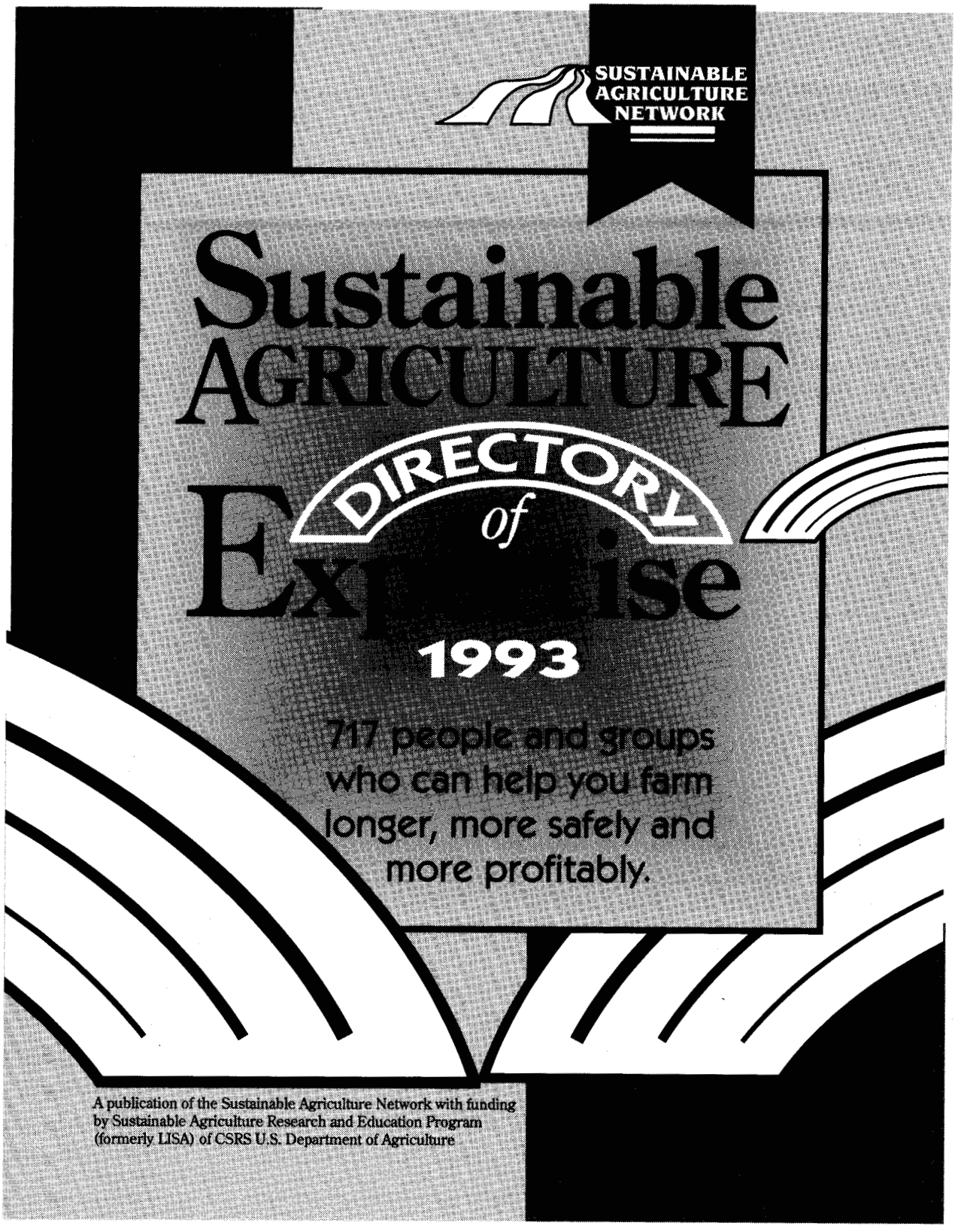
AG0036L
31888 PDF



PRINTED ON RECYCLED PAPER,
10% POST-CONSUMER WASTE.

CONTENTS

Introduction and Acknowledgments 3
How to Use This Directory 4
Indexes
1. States 5
2. Individuals 6
3. Organizations 11
4. Crop and Livestock Enterprises 13
5. Areas of Expertise 15
6. Products and Services Available 17
7. Management Methods 18
Other Sustainable Agriculture Directories 22
Nomination Form 23
Corrections and Update Form 24
Listings of Individuals and Organizations **Ref. #**
Alabama (AL) 6-28
Arkansas (AR) 29-70
Alaska (AK) 1-5
Arizona (AZ) 71-80
California (CA) 81-140
Colorado (CO) 141-153
Connecticut (CT) 154
Delaware (DE) 167-169
District of Columbia (DC) 155-166
Florida (FL) 170-180
Georgia (GA) 181-195
Hawaii (HI) 196-198
Idaho (ID) 220-222
Illinois (IL) 223-244
Indiana (IN) 245-252
Iowa (IA) 199-219
Kansas (KS) 253-259
Kentucky (KY) 260-267
Louisiana (LA) 268
Maine (ME) 285-293
Maryland (MD) 278-284
Massachusetts (MA) 269-277
Michigan (MI) 294-308
Minnesota (MN) 309-332
Mississippi (MS) 358-371
Missouri (MO) 333-357
Montana (MT) 372-378
Nebraska (NE) 414-432
New Hampshire (NH) 433
New Jersey (NJ) 434-448
New Mexico (NM) 449-455
New York (NY) 456-488
North Carolina (NC) 379-403
North Dakota (ND) 404-413
Ohio (OH) 489-503
Oklahoma (OK) 504-521
Oregon (OR) 522-539
Pennsylvania (PA) 540-552
Rhode Island (RI) 553-557
South Carolina (SC) 558-566
South Dakota (SD) 567-569
Tennessee (TN) 570-577
Texas (TX) 578-615
Utah (UT) 616-619
Vermont (VT) 631-640
Virginia (VA) 620-630
Washington (WA) 641-665
West Virginia (WV) 710-715
Wisconsin (WI) 666-709
Wyoming (WY) 716-717

INTRODUCTION AND ACKNOWLEDGMENTS

There's a wealth of information available about sustainable agriculture, and the amount increases every year.

Trouble is, you can't always find it very easily. Much of the information exists in the minds of farmers, scientists and other experts who are testing sustainable farming methods around the country. When these experiments and observations do find their way into print, it's often in obscure scientific journals — or in booklets and newsletters produced by small groups with virtually no money for national advertising.

This directory aims to help solve that problem. It contains the names and addresses of 717 people and organizations with expertise in various aspects of sustainable agriculture — cross-referenced in several ways for easy use.

The directory is the result of efforts and hours spent by many individuals and groups. Funding came from the Sustainable Agriculture Research and Education program (formerly LISA) in the form of a grant to the Sustainable Agriculture Network (SAN), a coalition of representatives from farm groups, universities, agribusinesses and nonprofits around the country.

In fall 1991, SAN chose ATTRA (Appropriate Technology Transfer for Rural Areas) to develop the first printed and electronic versions of the directory. Beginning in early 1992, ATTRA sent letters to individuals, institutions and organizations to solicit nominations. We asked for people who have made a contribution to the understanding of sustainable agriculture, who are good communicators and who are willing to share their knowledge with others. Also, we asked for organizations or agribusinesses with an ongoing history of activity in sustainable agriculture.

Our staff developed a form to allow nominees to describe their interest in sustainable agriculture, areas of expertise and experience, informational resources available, and other details. We mailed the forms, along with an explanatory letter, to 1,500 nominees. More than 700 people and organizations returned completed forms by the publication deadline. These were entered into an electronic database currently maintained by ATTRA staff.

Although the responses do not represent the results of a random survey, we were pleased with the diversity. There are entries for 49 states (all except Nevada) and the District of Columbia. The list includes 146 farmers and ranchers (104 full time), 269 researchers, 281 information providers, 161 extension workers and 108 teachers. There are also entries for 85 farm advocates and supporters, 61 supply or service providers and 42 policy-development and administration staffers. Many respondents reported multiple roles.

We included everyone who took time to complete a form, so the directory represents a self-selected group, rather than a screened subset of returned directory forms.

The printed entries that you will read contain only a portion of the information collected from the forms. We created indexes to the entries, using as much information as possible from the completed forms even when space prevented us from printing all the information submitted. We chose items that we felt would best help users to find people or groups whom they might wish to contact for further details.

This directory is meant to be a living information source. We hope you will use it, add to it and help us improve it. Even in the final weeks of assembling this first edition, we received notices of changes, new groups and new names.

So, this printed edition is only a snapshot. We know there are hundreds more people who should be listed. For this reason, we're maintaining the directory in electronic form, which will reflect the most current information that we receive from current and new directory participants. The electronic version will be available both on Internet (e-mail) and on diskette.

We hope to make the electronic version more widely accessible in 1993. Until then, if you're interested in current information about an entry, please call ATTRA at 1-800-346-9140. We also plan future printed editions; in the back of the directory are forms for updating current entries and for nominating new entries.

We thank the SAN Coordinating Committee for its guidance and support. Also, we thank the volunteers who patiently tested and evaluated early versions of our directory forms. Many other people and groups kindly shared with us their experiences in preparing directories. We thank them and hope this project extends and enhances their own fine work.

And, of course, we thank the hundreds of people who took time to respond to our very first "call for entries." Without their enthusiasm and patience, this project would have failed!

ATTRA Directory Project Team

HOW TO USE THIS DIRECTORY

The Sustainable Agriculture Directory is designed for easy access to information about 717 producers, researchers, businesses and information providers involved in sustainable agriculture in the U.S. Simply browsing through the entries is a good way to start learning about experts in your state. Entries are grouped alphabetically by state. Within each state's grouping, "Individuals" are listed first, followed by "Organizations."

EXAMPLE: The first five entries are for the state of Alaska. Of those, four are for individuals (Tom Lee, Anne Line Rochet, David Sneed and Ellen VandeVisse) and the fifth is for an organization (the University of Alaska).

The entries are numbered from 1 to 717 (the numbers appear at the top of each entry, centered above the person's or group's name). Within each entry you'll find:

- Contact information (name, address, phone/fax/email)
- Preferred method of contact (phone, mail, etc.)
- Sustainable ag roles (farmer, scientist, teacher, etc.)
- Major areas of sustainable ag expertise (soil, agronomy, etc.)
- Primary crop/livestock enterprise
- Description of sustainable work (detailed text)
- Land description (detailed text)
- Information resources available (detailed text)

The directory also contains seven indexes. The first is a listing of state numerical ranges.

EXAMPLE: California entries are reference numbers 81 to 140 in the directory. You can locate information about California experts and groups by scanning index listings for these numbers.

The other six indexes aim to help you locate experts by name, group or subject matter rather than by state. These six indexes are:

Individuals — An alphabetical roster of names.

Organizations — An alphabetical roster of groups.

Crop and Livestock Enterprises — Experts in more than 40 types of crops and 17 livestock enterprises. Consult this index to locate vegetable or poultry producers or researchers in your state.

Areas of Expertise — People with sustainable ag expertise in specific subjects, such as soil fertility, weed control and pest management. This index might help you locate an expert to speak to your organization about sustainable soil-nutrient management or disease control.

Products and Services Available — People who sell or distribute consulting services, equipment and informational materials. You might use this index to locate a farm equipment dealer or crop consultant. (Note: Topics in this index were included on SAN surveys but do not appear in directory entries.)

Management Methods — People with expertise in more than 100 farm management disciplines, from agroforestry through weed ecology. (Note: Topics in this index were included on SAN surveys but do not appear in directory entries.)

Each of the seven subject indexes contains a "how-to-use" example.

INDEX 1: STATES

How to use: Suppose you want to find a list of sustainable ag experts in the state of Kansas. First, locate Kansas in the alphabetical state list below. You'll see that our "Kansas contacts" appear under Reference Nos. 253-259, meaning we've listed seven contacts. Scan the 717 individual entries until you find No. 253 (P.J. Bramel-Cox). All entries from there, through and including No. 259 (The Land Institute), are in Kansas.

A

AK (Alaska) 1-5
AL (Alabama) 6-28
AR (Arkansas) 29-70
AZ (Arizona) 71-80

C

CA (California) 81-140
CO (Colorado) 141-153
CT (Connecticut) 154

D

DC (District of Columbia) 155-166
DE (Delaware) 167-169

F

FL (Florida) 170-180

G

GA (Georgia) 181-195

H

HI (Hawaii) 196-198

I

IA (Iowa) 199-219
ID (Idaho) 220-222
IL (Illinois) 223-244
IN (Indiana) 245-252

K

KS (Kansas) 253-259
KY (Kentucky) 260-267

L

LA (Louisiana) 268

M

MA (Massachusetts) 269-277
MD (Maryland) 278-284
ME (Maine) 285-293
MI (Michigan) 294-308
MN (Minnesota) 309-332
MO (Missouri) 333-357
MS (Mississippi) 358-371
MT (Montana) 372-378

N

NC (North Carolina) 379-403
ND (North Dakota) 404-413
NE (Nebraska) 414-432
NH (New Hampshire) 433
NJ (New Jersey) 434-448
NM (New Mexico) 449-455
NY (New York) 456-488

O

OH (Ohio) 489-503
OK (Oklahoma) 504-521
OR (Oregon) 522-539

P

PA (Pennsylvania) 540-552

R

RI (Rhode Island) 553-557

S

SC (South Carolina) 558-566
SD (South Dakota) 567-569

T

TN (Tennessee) 570-577
TX (Texas) 578-615

U

UT (Utah) 616-619

V

VA (Virginia) 620-630
VT (Vermont) 631-640

W

WA (Washington) 641-665
WI (Wisconsin) 666-709
WV (West Virginia) 710-715
WY (Wyoming) 716-717

INDEX 2: INDIVIDUALS

This index lists names of producers, researchers, business people and information providers involved in sustainable agriculture. **How to use:** Suppose you want to contact Richard Alan Miller. Locate his name by scanning the alphabetical listing beginning below. Under "M" you'll notice there are seven "Millers." Richard Alan is the fourth. His reference No. is 534. Scan the 717 individual entries until you find No. 534.

A

Abeles, Tom P. 309
Abrams, Mary 525
Adair, Robert C. 177
Adams, Randall H. 29
Adcock, Melanie 161, 495
Ahlrichs, John S. 310
Al-Khatib, Kassim 641
Albrecht, John E. 558
Alexander, Halvard E. 547
Jane M. 547
Allen, Pete 199
Richard E. 325
Alston, Diane G. 619
Aman, Kathy 265
Ames, Guy 62
Amosson, Steve 578
Anderson, Glenn W. 81
J. LaMar 619
Meg 181
Molly D. 269
Vern 412
Angle, J. Scott 278
Anthony, Hilary 532
Ardapple-Kindberg, Eric 68
Arkin, G.F. 195
Arnold, Lisa 609
Ashlock, Larry O. 30
Atwater, Tim 640
Auburn, Jill S. 82, 96, 133
Ault, R. Dwight 311
Ausubel, Kenny 455
Averre, Charles W. 400

B

Bachmann, Janet 31
Baier, Ann 132
Bailey, Betty 566
Baker, James R. 379
Paul 78
Bakx, Wilhelmus 83
Baldwin, Ford 32
Guy 84
Bankes, Doris 504
Banner, Frank A. 456
Bannon, Carl D. 457
Barbour, Bruce 434
Barczewski, Richard A. 169
Barker, Kenneth R. 402
Barnes, Lee 380
Barngrover, Jim 372
Barnhart, Stephen K. 200
Barr, Julie A. 234
Barrett, Gary W. 497
Bartelt, Gerald A. 666
Bartlett, Ben 294
Bass, Samuel D. 559
Bassett, Jim 234
Bebee, B. Jill 458
Beck, Malcolm 579
Becker, Bill 233
Bedner, Lisa 570, 575
Beers, Elizabeth 662
Beetz, Alice E. 33, 64
Behar, Harriet 703
Behrends, Leslie L. 16
Belin, Sandra 127
Bender, Jim 414
Marjorie E. F. 398
Bennett, Rich & Nancy 489
Benson, Laura 699
Bergh, Prescott H. 697
Bethlenfalvay, Gabor J. 522
Bevers, Stan 580
Bewick, Thomas A. 170
Bezzerides, Paul 119
Bickmeier, Gary 223
Bingham, Peter & Kristie 312
Birchenough, Alyce 6
Bird, Elizabeth 430
Birkenfeld, Darryl 607
Robert N. 581, 607
Bjergo, Allen C. 373
Blobaum, Roger 140, 155, 701
Blood, Charles (Chuck) 459
Bobbe, John A. 702
Bock, Gene 128
Bodie, Denise 139
Bonney, Stephen S. 245
Boody, George 327
Booker, Karene 480
Bougie, Linda 328
Bowman, Greg 540, 552
Bowser, Timothy 541
Bradshaw, Sunny W. 34
Bramel-Cox, P. J. 253
Brandenburg, Rick 381
Brandle, James R. 415
Brauen, Stanton E. 664
Braun, Lois 182, 194
Brechbill, Donald L. 542
Brewster, Marcie 141
Brim, James 235
Brinton, William 293
Brown, Bruce 217
John M. 333
Michael 44
Brownd, Gary 606
Brumfield, Robin G. 435
Brummett, Randal 483
Brusko, Mike 540, 549, 552
Bryan, William B. 710
Brzozowski, Richard J. 285
Buehring, Normie W. 358, 370
Buell, Kim 460
Burkett, Ben F. 368
Burness, Ginny 479
Burns, John O'Malley 620, 630
Burroughs, Kate 85, 125
Busby, Fee 35
Butterfield, Jody 449
Buttner, Joseph K. 461, 483
Buxman, Paul 122

C

Cain, Mark 36
Call, Nellie G. 462
Calvin, Linda 164
Camberato, James J. 560
Campbell, David 133
Harold D. 463
Canales, Eugene F. 124
Cantisano, Amigo 130
Caprile, Janet 86
Carr, Patrick 404
Carroll, Ron 195
Carter, Betty J. 505
Heidi 518
Casey, John A. 126
Sharon 84
Cash, Dennis 76
Cates, Richard (Dick) 709
Catlett, Richard R. 334
Cavanaugh-Grant, Deborah 237
Chabot, Brian 481
Chan, Charlene 328
Chaney, David 87, 133
Chapman, Tom 706
Chevalier, Denise A. 212
Peggy 642
Chickering, Ammie 486-487
Chrisler, Jeff 667
Christenson, Toni 668
Church, Kevin E. 257
Clancy, Kate 464
Clark, Lee J. 71
Cleaveland, Marta 162
Clough, Cheryl 291
John 291
Clubine, Stephen E. 335
Coble, Charlie G. 582
Cole, Michael 224
Coli, William M. 277
Collins, Wanda W. 382
Collinson, Jonathan 293
Conklin, Larry 193
Connolly, Cynthia L. 171
Coody, Lynn S. 523
Cooley, Dan 274
Cornwoman, Mariah 661
Cothren, J. Tom 583
Courtney, Hugh 626
Cramer, Craig 540, 552
Cranshaw, Whitney 142
Creswell, John L. 215
Crossley, Alan 666
Culberson, Sharon 553

Culik, Martin N. 465
Culp, Thomas B. 490
Culpepper, John 485
Cuperus, Gerrit 506

D

D'Souza, Gerard 711
Dabney, Seth M. 359
Dahl, Kevin 77
Dalrymple, R. L. 521
Dana, Thomas F. 360
Daniels, L.B. 57
Davis, Danny 507
Jeanine Marie 383
Mark 167
Walt 508
de Graff, Richard 466
Deatherage, Jackie 516
DeFranh, Joe 196
Deichman, C. LeRoy 225
Don 161, 495
Delaney, Dennis 7
Ron 716-717
DeLeon, Andy 325
Don 325
DeMartino, Anne Marie 272
DeMasters, Gary D. 65
Demment, Montague W. 136
DeWald, Chet 509
Diamondstein, David 467
Dick, Richard 535
Warren A. 491, 496
Dickinson, Jeff 499, 501-502
Diedrich, Dale L. 669
Dieterich, Larry 118
Diver, Steve 37, 56
Dix, Keith 715
Dobbs, Thomas L. 567
Doel, Donna 38, 56
Doll, Jerry 683
Doran, John W. 416
Drees, B. M. 584
Mahina 77
Duesterberg, Kate 640
Dugan, Ann & Bill 336
Duke, James A. 279
Dunkel, Bob 484
Durham, Terry 337, 354
Durling, John 295, 306
Dutcher, James D. 183
Duxbury, John 481
Dye, Richard 417
Dyer, Jim 151

E

Eames-Sheavly, Marcia 482
Eastman, Chavis 534
Echandi, Eddie 384
Eckstein, Curt 670
Edens, Thomas 307
Edmisten, Keith L. 8, 24
Edstrom, Peter V. 671
Edwards, Clive 499, 501
Ehlert, Larry 340
Ehrhardt, Walter 280
Eichelberger, Carol 9, 19
Elliot, Janice 609
Luke 66
Ellis, John 143
Elmore, Roger 418
Engel, David J. 672
Ennis, Kevin F. 468
Enshayan, Kamyar 499, 501
Erickson, Steve & Jenny 616
Espey, Hugh 211
Estes, Rick 433
Eustis, Britt 305
Evans, Eric 293
Richard R. 361
Exner, Rick (Derrick) 218

F

Fackler, Ed 246
Holly 498
Faeth, Paul 166
Fagan, Andy 479
Chris 557
Joe 211
Faidley, Don 201
Farris, Alfred C. 571
Federici, Brian A. 88
Feise, Christopher F. 643
Felstehausen, Herman 673
Ferguson, James J. 179
Ferrell, Pete 254
Ferro, David N. 270
Fiminez, Del 144
Fipps, Guy 585
Flint, Mary Louise 89, 134, 138
Floyd, Sue 517
Fogg, Robert N. 296
Ford, Joyce 326
Foreman, Patricia 633, 636
Foster, Boyd 606
Daryle E. 479
Thomas H. 10, 16, 26
Fox, Michael W. 161
Franceschelli, Nicolas 626
Francis, Bill 609
Charles A. 419, 431
Frank, Gary 674
Franklin, Ralph E. 561, 565
Frantzen, Tom 218
Frazee, Robert W. 226
Frazier, Bruce E. 644
Freeman, Laura 266
Freidenberger, Sandy 670
Frisbie, Ray 611
Frost, Yvonne 537-538
Fujimoto, Isao 90
Funderburk, Joe E. 180

G

Gage, Stuart H. 297
Gajewski, Gregory R. 156, 164
Gannon, Eileen 214
Gardner, John C. 405, 412
Gargasz, Ron 551
Garrett, Gene 357
Garver, Gwen 675
Gashler, Ted 676
Gates, Jane Potter 282
Gauger, Richard E. 677
Gebhart, Paul 238
Gegner, Lance E. 39
Gerber, John M. 243
Gerhart, Richard C. 492
Gerrish, Jim 338, 356
Gibbons, James 40
Gillan, Judith F. 276
Gilman, Steve 469
Glynn, Carroll J. 470
Golden, Michael S. 11
Goldstein, Joan 436
Walter 701
Gompert, Terry 420
Goodman, Bob 12
Gordan, Martin 610
Granatstein, David 645
Grant, Andy 144
Lewis 144
Grantham, William 715
Green, Judy 480
Green-McGrath, Daniel 524
Griffin, Tim 286, 292
Griffith, Charles 521
Grubinger, Vern 631
Guile, Les & Debbie 437
Guldan, Steve 406
Gunnink, Doug 313, 323, 328
Guthrie, Tom 301, 304, 306

H

Hadlock, Mary Ann 539
Haenn, David 68
Hairston, James E. 13
Hall, John 701
Robert D. 339
Terence J. 145
Hall-Beyer, Bart 69
Halprin, Lyra 133
Hamilton, Hal 264
Hang, An N. 646
Hankins, B. J. 41
Hanks, Mary J. 323, 328
Hargrove, W. L. 184, 195
Harley, Dee 127
Harman, Wyatte L. 586
Harpain, Jeff 118
Harper, Fred 72
Harris, B. L. 587
Hartmann, Stefan 385
Harwood, Richard R. 298, 307
Hassebrook, Chuck 430
Havermale, Neil 150
Hayner, James 483
Headly, J.C. 57
Hedger, George 521
Hegwood, C. P. 371
Hegyes, Gabriel A. 282
Heinze, Lynn 340
Helfter, James G. 239-240
Heller, Michael 283
Helm, James L. 407
Helsel, Zane R. 438, 448
Hemenway, Cynthia Baxter 176
Dan 176
Henderson, Elizabeth 471, 478
Hendley, Mary 259
Hengerson, Roy C. 341
Henneberry, Thomas J. 80
Henry, Barbara 127
David 125
Henson, James F. 450
Hesterman, Oran B. 299
Higby, Annette 430
Hilchey, Duncan 480
Hill, Deborah B. 260
Himelrick, David G. 14
Hochmuth, George J. 172
Hodges, Laurie 421
Hoefner, Ferd 162
Hofstetter, Bob 540
Hogg, David 678
Hoitink, Harry A.J. 493
Holbrook, Dennis 588
Holden, Craig 331
Hollis, Joe 386
Hood, Martha Ann 572
Horne, Jim 518
Horst, Shannon 449, 452
Horton, Dan 185
Hostetter, Marsha 447
Hovermale, Carl H. 362
Hoyt, Greg D. 387
Stan 662
Huber, Gary 218
Hudlow, Jason E. 42
Hughes, Megan 66
Humberd, Ray 577
Humphrey, Shirley 91, 114
Hundt, Dawn 705

Hundt, Vince 705
Hunter, Tom 331
Hurst, Harold R. 363
Hytry, Jerome C. 252

I

Idoine, Karen 271
Ikerd, John 342
Ingels, Chuck 133
Irwin, Mike 679
Isom, Susanne 539

J

Jackson, Dana 259
Wes 259
Jacobs, Larry 127
Jacobson, Terry 413
Janke, Rhonda 549
Jarrell, Wesley M. 525
Jeavons, John 92
Jensen, Bryan 680
John W. 15
Patricia 324
Richard A. 681
Jerkins, Diana 186
Jewell, Drew 242
Johnson, Al 439
Glen S. 647
Jerral D. 589
Joseph R. 369
Johnston, E. Rhodes 267
Jones, Bart 197-198
Bill 565
Edward R. 168
Ron K. 400
Jordan, Wayne R. 615
Jorgensen, Hans 213
Jost, Jerry 258
Joyner, Jim 576
Jurgens, Ralph W. 93
Justice, Samuel L. 573

K

Kaltenekker, Margit 69
Kane, Patricia 487-488
Karagianis, Vicki 621
Karow, Russell S. 526, 663
Kashmanian, Richard 157
Katz, David 118
Kaufmann, Diane 682, 707
Kautza, Tim 219
Keeney, Dennis 217
Kellam, Annabel L. 261
Kelley, Wendell 272
Kelling, Keith A. 683
Kemp, Loni 332
Kendall, Stephen A. 520
Kennedy, Ann C. 648
Kerr, Howard (Bud) W. 165
Killeen, Tim 331
King, James W. 422
Tim 314
Kinsel, Jim 441
Kinsey, Neal W. 343
Kirschenmann, Annie 410
Kittredge, Jack 275
Kjelshus, Ben 352
Kladivko, Eileen J. 247
Kleiber, Ken 248
Kleine, Douglas M. 219
Kleinschmit, Julia 210
Klingberg, Kevan 696
Klinkebeil, David L. 408, 412
Klober, Kelly T. 344
Klonsky, Karen 94
Klopfenstein, Terry 423
Kluchinski, Daniel 440
Knezek, Bernard 307
Knutson, Ron 604-605
Koepf, Herbert 701
Koval, C. F. 684
Krall, James M. 717
Krausz, Joseph P. 590
Kreger, David 501
Kreitzer, William R. 231
Krejci, James M. 227
Kring, Chris 265
Krizek, Bryan 627
Kroese, Ron 327
Kruesi, William K. 632
Kuepper, George L. 510
Kulakow, Peter 259
Kuo, S. 649
Kurki, Al 375
Kuska, Calvin J. 146

L

Lachowski, Ed 550
Lamar, Tom 221
Lamb, John 332
Lander, Kathleen 575
Lang, David 370
Lanini, W. Thomas 95
LaPrade, Jesse 25
LaRowe, Russ 300
Larson, David A. 228, 239-240
E. Anne 217
Jane 709
Laughlin, Charles W. 147
Lawrence, Gordon 704
Leblanc, Michael 160
LeCompte, Peter 144, 149
Lee, Andy 633, 636-637
Thomas A. 614
Tom 1
Legg, Dave 717
Lehmann, James W. 315, 321
Lehnert, Richard H. 301
Leininger, John 411
Lentz, Ralph 311, 330
Lesikar, Bruce J. 612
Lessiter, Frank 700
Lewis, Theodore 483
Libby, Russell 287
Liebhardt, Bill 96
Liebman, Matt 292
Limuere, Karl 411
Linderman, Robert G. 527
Lindsey, Michael 76
Lippert, Bob 565
Lippke, Lawrence A. 591, 604-605
Livingstone, Diane 97, 178
Long, Gilbert A. 618
Joseph D. 43
Lovell, Ashley C. 592
Lukens, Jim 64
Lumpkin, Thomas A. 650
Luna, John M. 524, 528, 535
Lundberg, Harlan 129
Lupkin, Christoper 308
Lynn, Tina M. 516
Lyson, Thomas 472, 480

M

MacCormack, Harry 529, 537-538
Mackin, Mark 374
MacLean, Jayne T. 282
Madden, Patrick 98, 140
Maddox, Dalton 608
Jimmy J. 16
Joe 608
Maguire, James D. 651
Mahasewicz, Joseph 483
Main, Charles E. 388
Makus, D. J. 44
Malm, David A. 45
Mann, Christopher 701
Marin, Nestor 132
Marino, Mark G. 345
Marks, Robbin 163
Martin, Paul B. 593
Martinkovic, Wendel F. 173
Martinson, Dave 695
Martsolf, Edward 46
Martz, Fred 356
Mask, Paul L. 17
Masterpole, Dan 696
Masumoto, Mas 99, 122
Matheson, Nancy 375
Matthews, John 47
Matthews-Gehringer, Diane 550
Maurer, Teresa A. 48, 64
Mayse, Mark A. 100
Mazour, Richard 424
McCarty, Stuart 486
McClaran, Mitch 79
McDonald, Dennis 353
Sarah 454
McEvoy, Miles V. 661
McGourty, Glenn 101
McGrath, Daniel 535
McKenry, Michael 102
McMahon, Lorna 574, 576
McNabb, Ken 18
Melton, Thomas A. 389
Merk, Toni 262
Merrill, Margaret 622
Merwin, Ian 473
Meyer, Davida (Harlyn) 103
Jim 103
John R. 390
Meyers, Robert 321
Mikkelsen, Robert 401
Miller, Andrew A. 364
Baird 652
Lynn 539
Richard Alan 534
Robert Walker 562
Steve 501
Tim P. 594
Mills, Jean 9, 19
Steve 576
Misaghi, I. J. 73
Mitchell, C. C. 24
Jerry 70
Steve 104
Monk, Randall 628
Monsen, Wayne 323, 328
Moore, Dave 548
Jim 27
Lynn 222
Ralph 548
Morgan, Jennifer 437, 441, 447
Morris, Joseph E. 202
Kathy 273
Mortenson, Kip 712, 715
Muckenfuss, Kenneth L. 442, 446
Mueller, Sand 511
Mulhern, Tom 259
Mulla, David 653
Munoz, Faustino N. 105
Muntz, John 27
Murphy, Bill 634
Murray, Douglas A. 302
Helene 530
Pamela 431
Myers, Barb 547
Claudia 114, 137
George J. 432

N

Nabhan, Gary 77
Nechols, James R. 255
Neely, Constance L. 187, 195
Nelson, Lenis A. 425
Nesbitt, Roger 265
New, Ernest 153
Leon 595
Paul 153
Nicholson, Melvin 249
Nielson, Mark 109, 131
Novak, James L. 20
Nowack, Barbara Hill 238
Nowak, Pete 685

O

Oelke, Ervin 322
Ogden, Phil 79
Ogram, Andrew V. 654
Ohlenbusch, Paul D. 256
Oien, David 378
Osburn, Donald D. 346
Oshins, Cary 543
Owen, Alma J. 347
H.E. 152

P

Paschal, Joe C. 596
Patrick, Larry L. 551
Patten, Kim 665
Paul, Skip 554
Pearson, Henry A. 49
Pedigo, Larry P. 203
Peep, Michele 5
Peet, Mary M. 391
Pendleton, Dennis 135
Peterson, Art 686
James E. 687
Richard 122
Todd 666, 688
Petrucci, Bryan T. 232
Pfost, Donald 348
Phatak, Sharad C 188
Philley, George 613
Pickel, Carolyn 106
Pieri, Paul 555
Pike, Janice 291
Robert 291
Piper, Jon 259
Pirog, Richard 204
Pitre, Henry N. 365
Pittman, Scott 451
Pittock, B. 660
G. 660
Pleu, Debbie S. 512
Poinar, George 107
Polishuk, Ellen 630
Pollara, Leonard J. 443
Poritz, Leona 376
Noah 376
Porter, Gregory A. 288
Paul M. 563
Posner, Joshua L. 689
Potter, Nancy 305
Prather, Peggy 597
Pratt, Christine 494
Price, Martin L. 175
Prigge, Edward C. 713
Prill, Todd 696
Prim, Lynda S 453
Pritts, Marvin P. 474
Prokopy, Ronald J. 274
Prosch, Allen 430
Protchko, Debra 552

Q

Quillin, Ralph 263

R

Radke, Jerry K. 205
Radosevich, Steven 536
Ragan, Chris 539
Rahe, Michael J. 235
Ranson, Charles E. 598, 610
Rasmussen, Phil 619
Raspotnik, Ken 695, 704
Ratzlaff, Alvin 513
Rawson, Julie 275
Ray, Victor K. 50
Rayburn, Edward B. 714
Reddell, Donald L. 599
Reed, Rick N. 192
Reeves, Donald Wayne 28
Reganold, John P. 655
Renaud, Chris 126
Reuschel, Louis 244
Reyes, Frances 126
Reynolds, William H. 556-557
Reznicek, Ed 258
Rhoades, Robert 195
Richard, Tom 475
Richards, Keith 51, 67
Richardson, James 604-605
Riddle, Jim 326
Riesgraf, Gordon 690
Rioch, Steve 500, 503
Ristaino, Jean Beagle 403
Ritz, Bryce 432
Rivers, Dru A. 108
Robertson, Nick 229, 238
Robinson, Ann 216
Renee 236
Rochet, Anne Line 2
Roller, L. D. 514
Rosmann, Ken 206
Rothrock, Craig S. 52
Roundy, Bruce 79
Roush, Mary Lynn 536
Rowland, Sandy 495
Rugen, Christine 53, 56, 64
Ruhf, Kathryn 276
Ruyle, George 79
Ryan-Busch, Janette 207, 212

S

Sachs, Paul 635
Salatin, Joel F. 623
Salinas, Michael 708
Sample, Eugene 16
Sand, Duane 214
Sandberg, Julie 661
Sands, Michael 549
Sansone, Paul 533
Santer, Lewis 121
Sarrantonio, Marianne 549
Savory, Allan 449
Schaefer, Paul 707
Schafer, David A. 349, 353
Schaller, Neill 284
Scharlau, Robert 691, 707
Schatz, Blaine 412
Schettini, Terry 549-550
Schill, Susanne Retka 413
Schiller, Joe 56
Schlegel, David 139
Schlicker, Sandra 158
Schnepf, Max 219
Schonbeck, Mark 624
Schroeder, Luane 54, 63
Schuck, Nancy Grudens 481
Schwartz, Anne 656
Scott, Thomas W. 476
Scowcroft, Bob 109, 131
Searcy, Stephen W. 600
Seckins, Bill 289
Seymour, Rose Mary 601
Shade, Tory 350
Shapiro, Charles A. 426
Howard 455
Sheaffer, Craig 316
Sherman, Scott 175
Shippey, Stuart R. 5
Shirley, Christopher 540
Sideman, Eric 290
Siegel, Larry 273
Siemon, George 703
Simons, Nina 455
Sinclair, Ann 305
Skoppek, Hugo 410
Sligh, Michael 566
Slona, Ed 477
Smeds, Fred 122
Smith, Edward G. 602, 604-605
Henry 127
Ivan K. 500
Jim 399
Lamar 79
Matt C. 189
Melbah M. 368
Richard 110
Ron H. 23
Smolik, James D. 568
Sneed, David 3
Snell, Tim 55
Soilian, J.M. 16
Solgard, Tony Anderson 317
Sommer, Tim 220
Sorensen, Kenneth A. 392
Sorg, Teri 552
Spalt, Allen 397
Spany, Doug 692
Springer, Warren 331
St. John, Ted 111
Stanghellini, M. E. 74
Stauber, Karl N. 329
Stein, Jerry 607
Steiner, William W.M. 351
Stepka, Pam 305
Stern, David 478, 484
Stevens, Bob 27
Robert G. 657
Stilgenbauer, Jackie 336
Stinner, Ben 499
Stoner, Kimberly A. 154
Strand, Joyce 138
Strohbehn, Daryl R. 208
Strohm, Michael W. 242
Stuckey, Joyce 547
Sudduth, Terry 565
Sullivan, Preston G. 56
Swisher, M. E. 174

T

Talseth, Sherry 375
Tanksley, Keith 266
Taylor, Donald C. 569
Nancy 221
Tedders, W.L. 190
Tepley, Karin 706
Terrell, Caryl 698
Theus, Caroline 268
Thomas, Bill 76
Daniel L. 191
Fred L. 112
Shan 213
Thomson, Sherman V. 619
Thorp, Kris 430
Thrupp, Lori Ann 166
Tjepkema, Jim 318

Tomkins, Juliet 324
Tracy, Diana Lee 531
Troxclair, Noel N. 230
Trumble, John 113

U

Umstead, Erick 397
Unterschnetz, Phillip 659

V

Valentine, Susan H. 444
Vandeman, Ann M. 159, 164
Vanderburg, Arne 449
VandeVisse, Ellen 4
VanDyke, Norwood J. 22
VanEaton, Clara 410
Vasavada, Utpal 160, 164
Verderico, April 659
Verkamp, Susan 453
Veseth, Roger 663
Vinje, E. Wayne 377
Eric Edward 377
Visher, David 114, 137
Viste, Jerome 702
Vorst, James J. 250
Voss, Ronald E. 114, 137
Vossen, Paul 115
Voth, Donald E. 57

W

Wagger, Michael G. 393
Wagner, Paul 145
Walgenbach, James F. 394
Wallace, Frank 485
Sonja 617
Wannamaker, Mary J. 395
Ward, Justin 163
Ronald 308
Ware, Alan 518
Warner, Jack & Louise 501
Louise 501-502
Warrick, Robert 427
Waters, Jon 116
Watkins, Gordon 58
Susan 68
Waugh, Doug 148
Weber, Leon 544
Liz 217
Wechsler, Deborah S. 396
Weil, Ray R. 281
Weintraub, Irwin 445
Weiss, Christine 59, 63
Daniel 59
Michael J. 409
Wells, Edna 366
Robert Houston 366
Wellstone, Tammy 330
Wentling, Roger H 545
Werner, Matthew 117
Weskerna, Edward 241
Westra, John 166
Weyandt-Fulton, Joan 319
Wheeler, Philip A. 308
Whitfield, Jim 367
Whitsett, Chris 27
Whitty, Michael 693
Wieck, Chris 603
William, Ray D. 535
Williams, Ken 519
Larry 60, 63
Williams, Rick M. 625
Ronald J. 26
Williamson, Ben 564
Wilson, Andy 629
Colin 209
Winger, Holly 61
Wirbel, Jerry 303-304, 306
Wittgreve, Richard 708
Wolfgang, Sarah 550
Wonnacott, Enid 638
Wood, C. Wesley 21
Wood, Chris 640
Fred S. 75
Karen 75
Peter 694
Ron 515
Wren, Bella 537-538
Wuest, Stewart 663

Y

Yates, Bill 565
Yeatman, C. James 546
Holly 546
Yegerlehner, Alan 251
Yokiel, George 320
Young, Frank 658
Gary G. 428
Youngberg, Garth 284

Z

Zalom, Frank 134, 138
Ziegenhorn, Eric 352
Zirkel, Bobby 699
Zwinger, Steve 412

INDEX 3: ORGANIZATIONS

This index lists names of sustainable agriculture groups, organizations, businesses and research units. **How to use:** Suppose you want to contact someone at the Rocky Mountain Institute. Locate the group's name by scanning the alphabetical listing beginning below. Under "R" you'll notice there are seven organizations. Rocky Mountain Institute is the second. Its reference No. is 151. Scan the 717 individual entries until you find No. 151.

A

A New Leaf, Inc. 516
Advanced Biotechnology Inc. 231
agAccess 118
Agricultural Resources Center 397
Agriculture & Food Policy Center 604-605
Alabama Cooperative Extension 22
Alt. Farming Systems Info. Center 282
Alt. Energy Res. Org. (AERO) 375
Amaranth Institute 321
American Farmland Trust 232
Ames' Orchard and Nursery 62
ARABLE 532
Ark./Okla. Sust Ag Network 63
Arrowhead Mills, Inc. 606
ATTRA 64
Auburn University 23-25

B

Beginning Farmer Sup. Network 429
Bezzerides Bros. Inc. 119
BioFlora Inc. 76
Biological Control of Weeds 376
Bozeman Bio-Tech 377

C

CA Cert. Org. Farmers 120
California Action Network 121
California Clean Growers Assn. 122
Carolina Farm Stewardship Assn. 398
Center for Rural Affairs 430
Center for Sust. Ag. Systems 431
Central Ill. Agri. Res. Farms 233
Chequamegon Organic Growers 695
Chippewa Co. Land Cons. Dept. 696
Church Land Project 210
Clagett Farm 283
Clemson University 565
Colo. Organic Producers Assn. 149
Community Farm Alliance 264
Conservation Tech. Info. Center 252
Cornell University 479-482
Center Appl. Aquatic Sci. & Aquac. 483
Center for Alt. Plant Animal Prod. 322
Center for Holistic Resource Mgt. 452

D

Dawn Equipment Company 234
Delaware Cooperative Ext. 169
Demeter Association Inc. 123

E

ECHO Inc. 175
Eden Foods Inc. 305
Elfin Permaculture/Yankee Perm. 176
Energy and Sust. Agri. Prgm. 323

F

Farm Verified Organic Inc. 410
Farmers Legal Action Group 324
Farmers Software Assn. 150
Ferrari Tractor CIE 124
FORGE 517
Four Winds Farm Supply & Cons. 697

G

Garlic Seed Foundation 484
Georgia Cooperative Extension 192
Georgia Organic Growers Assn. 193
Good Earth Organics 399
Good Earth Publications 636
Great Plains Composters Assn. 607
Greater Kansas City Greens 352
Green Hills Farm Project 353

H

Harmony Farm Supply 125
Here & Now Garden 533
High Desert Research Farm 453
Humane Society of the U.S. 161, 495
Humate Resources Inc. 325

I

IA Citizens Comm. Improvement 211
IA Org. Growers/Buyers Assn. 212
IBF Co. Inc. 126
Illinois Department of Ag 235
Illinois Stewardship Alliance 236
Illinois Sust. Ag. Network 237
Illinois Sust. Agri. Society 238
Indep. Org. Inspectors Assn. 326
Institute for Ag. Biodiversity 213
Institute for Alt. Ag. 284
Intl. Ecol. Agri. Trade Assn. 239-240
Intl. Soil Tillage Research Org. 496
Integrated Fertility Mgmt. 659
Intervale Foundation 637
Iowa Natural Heritage Found. 214
Iowa State University Ext. 215
Izaak Walton League of America 216

J

J&G Agrow-Tek 128
J&J Agri-Products & Ser. Inc. 547
Jacobs Farm 127
John Muir Chapter — Sierra Club 698
Josephine Porter Institute 626

K

Kansas Dept. Wildlife & Parks 257
Kansas Rural Center 258
Kerr Center for Sust. Ag. 177, 518
Kickapoo Organic Res. Network 699
Koinonia Partners, Inc. 194
Ky. Dept. of Agriculture 265

L

Land Stewardship Project 327
Langston Univ. Ag. Res. 519
Laura's Lean Beef Company 266
Leopold Center for Sust. Ag. 217
Lessiter Publications Inc. 700
LISA for Hawaii 198
Livingstone's Living Earth 178
Lundberg Family Farms 129

M

Maddox Ranch 608
Maestro-Gro 65
Maine Org. Farm. & Gard. Assn. 290
Market Farm Implement 548
McHenry Co. S&W Cons. Dist. 241
Meadowcreek 66
Miami University 497
Michael Fields Agri. Institute 701
Michigan Agri. Stewardship 306
Michigan State University 307
Midwest SAWG and the SAC 162
Mill Creek Organic Farm 446
Minnesota Dept. of Ag. 328
Mississippi Assn. of Coop. 368
Mississippi State University 369
Mo. Organic Association 354
Miss. Agri. & Forestry Exp. Sta. 370-371
Mt. State Org. Growers/Buyers 715

N

N. Country Sch./Camp Treetops 485
Nat. Fert. & Env. Res. Center 26
Native Seeds/SEARCH 77
Natural Food Associates 609
Natural Organic Farmers Assn.-NH 433
Natural Organic Farmers Assn.-NJ 447
Natural Organic Farmers Assn.-NY 486-487
Natural Organic Farmers Assn.-VT 638
Natural Organic Farmers Assn. 275
Natural Res. Defense Council 163
N.E. Wisconsin Sust. Farm Network 702
New England Small Farm Inst. 276
New Mexico Organic Growers Assn. 454
NOFA-NY Organic Farm Cert. Prg 488
North Carolina State Univ. 400-403
North Dakota Farmers Union 411

North Dakota State University 412
Northern Plains Sust. Ag. Soc. 413
Northwest Area Foundation 329
Northwest Botanicals Inc. 534

O

OCIA-NE Chapter 432
Ohio Ecol. Food & Farm Assn. 498
Ohio State Univ. Sust. Ag. Prgrm. 499
Ohio University 500
Okla. Dept. of Agriculture 520
Oldfields Seed Co. 267
Oregon State University 535-536
Oregon Tilth 537-538
Organic Ag Advisors 130
Organic Farmer (Digest) 639
Organic Farming Res. Found. 131
Organic Valley CROPP 703
Organico Institute 704
Ozark Organic Growers Assn. 67
Ozark Small Farm Viability Proj. 68

P

Palouse-Clearwater Env. Inst. 221
Partners In The Environment 627
PCR Inc. 705
Peace Valley Farm 610
Pike Lab Supplies Inc. 291
Pioneer Soil Lab 660
Practical Farmers of Iowa 218

R

Rhode Island Sust. Ag. Comm. 557
Rocky Mountain Institute 151
Rodale Institute 549-550
Rural Advancement Found. Int. 566
Rural Development Center 132
Rural Vermont 640
Rutgers University 448

S

Samuel Roberts Noble Found. 521
Seeds of Change 455
SIFAT 27
Singing Stone Enterprises 69
Slippery Rock University 551
Small Farmer's Journal 539
Soda Springs Phosphate Inc. 222
Soil and Water Cons. Society 219
Solid Waste Composting Council 628
Springtree Agroforestry Proj. 629
Stratford Ecological Center 501-502
Strohm Bros. Inc. 242
Sust. Ag. Research & Ed. Prgrm. 133
Sust. Farming Assn. of Minn. 330
Sustane Corporation 331

T

Texas Agri. Exp. Station 611
Texas Agri. Extension Service 612-614
Texas Water Resources Inst. 615
The Land Institute 259
The Minnesota Project 332
The New Farm 552
Timberleaf 503
Timeless Seeds 378
Tenn. Alternative Growers Assn. 575
Tenn. Land Stewardship Assn. 576
Transnational Agronomy, Ltd. 308

U

U.S. Soil 152
UC Statewide IPM Project 134
UNCO Industries Inc. 706
Univ. of IL Agro-Ecol. Prgrm. 243
University of Alaska, CES 5
University of Arizona 78-79
University of California 135-138
University of Florida 179-180
University of Georgia 195
University of Maine 292
University of Massachusetts 277
University of Missouri 355-357
University of Tennessee 577
USDA Soil Conservation Service 70
USDA Economic Research Service 164
USDA Ofc. of Small-Scale Agri. 165
USDA-ARS 28, 80
USDA-CSRS Sust. Ag. Res. Prgrm. 139
Utah State University 618-619

V

Va Assn. for Biol. Farming 630

W

W. Wisconsin Sus Farm. Netwk. 707
Washington State Dept. of Ag. 661
Washington State University 662-665
Western Ill. Sust. Agri. Society 244
White Mountain Farm Inc. 153
Wis. Farmers Foundation Inc. 708
Wis. Sust. Agri. Program 709
Woods End Agricultural Inst. 293
World Resources Institute 166
World Sustainable Ag. Assn. 140

INDEX 4: CROP AND LIVESTOCK ENTERPRISES

This index lists the primary crops or livestock for which directory respondents have specific knowledge or expertise.

Livestock enterprises include: Aquaculture, Beef Cattle, Beekeeping, Chickens, Dairy Cattle, Exotic Animals, Fisheries, Goats (dairy & meat), Game Birds, Hogs, Poultry, Rabbits, Sheep, Turkey, Veal, Wildlife.

Crop listings include: Agronomic Crops (feedgrains, fiber crops, non-oilseed legumes, oilseeds, specialty industrial crops & sugar crops), Cover Crops (legumes & nonlegumes), Forage Crops (legumes & nonlegumes), Forestry (agroforestry, Christmas trees & nonfruit nursery), Fruit Crops (nuts, pome, small fruits, stone, subtropical, tropical & vine fruits), Ornamentals (greenhouse, nursery & cut flowers), Vegetables (cole crops, cucurbits, herbs, legumes, mushrooms, onions and related crops, solanaceous, roots & tubers).

How to use: Suppose you want to contact an expert on game birds. Locate the subject by scanning the alphabetical listing beginning below. Under "G" you'll notice there are five subjects. Game birds is the first. Its reference Nos. are 39 and 355. Scan the 717 individual entries until you find No. 39 (Lance E. Gegner) and No. 355 (University of Missouri — Mo. Alternatives Center).

A

agroforestry 18, 31, 34, 40, 48-49, 54-55, 97, 104, 175-176, 178, 187, 195, 205, 260, 281, 307, 346, 355, 357, 362, 415, 451, 501, 518, 525, 535-536, 574, 629, 674

agronomic crops 3, 5, 16-17, 21, 24, 26, 32, 37, 39, 41, 61, 64, 69-70, 73, 75, 87, 94, 96, 112, 120, 130, 133, 136, 138, 150, 156, 164, 167, 169-170, 180, 184, 187, 189, 195, 199, 203-204, 215, 225-226, 230, 233, 235, 242-243, 249, 276-278, 281, 292-293, 308, 322-323, 325, 327, 343, 348, 357-359, 370, 387-389, 393, 401, 404-405, 407, 412, 415, 420, 425, 431, 438, 440, 457, 465, 476, 481, 491, 496-497, 501, 521, 534, 536, 538, 542, 544, 547, 549, 559, 562-566, 574, 582-583, 585, 587, 590, 600, 602, 604-605, 615, 625, 634, 652, 655, 667, 696, 700, 702, 707-709, 714

amaranth 218, 315, 321, 544, 679

B

beef cattle 6-7, 20, 22, 30, 33, 35, 46, 48-49, 54, 67-70, 79, 84, 93, 96, 112, 120, 130, 134, 136, 144, 148, 152, 161, 164, 168-169, 195, 199-201, 205-206, 208, 218, 220, 232, 235, 243, 248-249, 254, 256, 258, 261, 263, 266-268, 273, 283, 286, 290, 292, 294, 298, 300, 306-308, 311, 313, 318, 320, 323, 327, 330, 335-336, 338-340, 344, 346, 349, 351, 353, 356, 361, 364, 367-368, 373, 375-376, 398, 404-405, 412-414, 419-420, 423-424, 427-428, 431, 442-443, 446, 449, 452, 459, 501, 506, 508-509, 514-515, 518, 521, 537-538, 545, 547, 551, 559, 564-565, 569, 572, 576, 578-580, 587, 591, 593, 595-596, 599, 602-605, 608-609, 612, 623, 629, 633, 637, 667, 669, 677, 690-692, 695, 701-702, 707, 709-710, 712-714

beekeeping 9, 19, 27, 31, 81, 130, 134, 171, 175, 199, 260, 273, 349, 355, 392, 439, 453, 466, 515, 609, 633, 637, 695

blueberries 9, 19, 36

C

chicken 9, 12, 19, 27, 31, 34, 48, 68, 84, 96, 161, 171, 176, 199, 207, 243, 248, 250-251, 275, 292, 296-297, 313, 316, 318, 327, 336, 339, 344, 351, 353, 355, 364, 373, 439, 442, 444, 446, 451, 456, 501, 511, 518, 545, 547, 551, 553, 559, 565, 599, 603, 609, 623, 625, 633-634, 637, 647, 670, 677, 682, 690, 692, 695, 697

Christmas trees 5, 75, 176, 192, 260, 308, 355, 380, 437, 518, 579

cold-water aquaculture 15, 156, 164, 202, 292, 461, 483

cole crops 1, 5, 44-45, 47-48, 72, 88, 113, 119, 142, 154, 172, 180, 270, 345, 391, 394, 421, 442, 444, 446, 466, 468, 471, 524, 554, 557, 641, 704

cover crops 9, 19, 21, 24, 26-29, 31, 37-38, 40-41, 45-47, 52, 60, 64, 66, 68-70, 75, 81, 83-85, 92-94, 96-97, 100, 104-105, 108, 112, 120, 122, 125, 127, 129-130, 133, 136-137, 144, 148, 150, 156, 164, 167, 175, 178, 183-184, 186-188, 190, 192, 195-196, 200, 204-205, 215, 223, 225-226, 229-230, 232-233, 235, 242-244, 247, 249-252, 258, 263, 267, 276, 278, 280-281, 286, 288, 290-293, 296, 298-299, 306-307, 316, 318, 320, 323, 327, 330, 346, 356, 358-360, 362, 364, 367, 369-370, 372-373, 375, 378, 382, 387, 390, 393, 395, 401, 404-406, 408-409, 412-414, 416, 419-420, 424, 426-428, 431, 438-439, 442-443, 446, 450-451, 453, 456, 459-460, 462-463, 468-469, 473, 476, 489-490, 497, 500-501, 507, 510, 513, 524-526, 528-530, 535, 538, 542, 544, 547-549, 551, 563-564, 567-569, 571, 579, 583, 587, 593, 598, 602, 605, 609-610, 619, 624-625, 631, 633, 637, 642, 645-646, 648-649, 653, 657, 664, 670, 674, 677-679, 683, 689-690, 697, 700-702, 705, 707-709, 712, 716-717

cucurbits 44-45, 47, 72, 74, 77, 154, 172, 180, 188, 255, 270, 337, 344-345, 372, 380, 384, 391-392, 421, 468, 492-493, 548, 613-614, 641, 669, 704

cut flowers 9, 19, 36, 53, 84, 108, 115, 132, 141, 143, 207, 220, 255, 273, 275, 314, 333, 345, 379, 437, 444, 460, 511, 533, 554, 557, 633, 637

D

dairy cattle 6, 30, 38, 64, 68-70, 96, 108, 112, 130, 133-134, 150, 161, 164, 169, 195, 200, 205, 232, 249, 251, 273, 286-287, 292, 294, 296, 300, 306-308, 313, 316, 318, 320, 323, 327, 330, 335, 339, 368-369, 373, 375, 420, 428-429, 431, 449, 457, 459,472, 501, 542, 545, 565, 572, 591, 599, 602, 604-605, 612, 634, 656, 667, 669, 671-672, 674-675, 677, 690, 693, 699, 701-703, 705, 707, 709-710, 713-714

E

exotic livestock 39, 137, 171, 322, 449, 572

F

feedgrains 7, 17, 20-21, 28, 30-31, 71, 148, 160, 167, 192, 194, 201, 205-206, 209, 215, 218, 223-224, 228-229, 232, 240, 242-243, 247-248, 250-251, 253, 258, 283, 286, 288, 296, 298-299, 306-307, 311, 313, 318, 320, 328, 330-331, 346, 348, 357, 362-363, 367, 369, 373, 376, 408-409, 413-414, 416, 418-419, 425-428, 442, 446, 457, 476, 481, 489-490, 496-497, 507, 510, 518, 526, 542, 551, 560, 567-569, 571, 578, 583, 586, 590-591, 593, 595, 599, 601, 603-604, 606, 614, 644-646, 648-649, 657, 669, 671-672, 674, 678, 683, 686-687, 689-690, 696, 701-703, 705, 707, 713

fiber crops 7-8, 12, 20-21, 23, 28, 30, 38-39, 52, 71, 76, 80, 92, 134, 362-363, 365, 369, 402, 496, 507, 574, 576, 580-581, 583, 586, 591, 599, 601, 604, 606, 611

fisheries 15, 55, 202, 355, 364

forage crops 7, 20, 24, 26, 30, 33, 35, 41, 46, 49, 54, 64, 68-70, 76, 84, 87, 95, 106-107, 112, 134, 136, 138, 144, 152, 164, 169, 195, 199-200, 203-206, 215, 218, 230, 233, 235, 249, 252, 267, 276-277, 281, 283, 286, 292, 299, 307-308, 313, 323, 327-328, 330, 335, 338, 343, 349, 353, 362, 367, 381, 402, 404-405, 407, 412, 415, 431, 438, 450-453, 457, 459, 462-463, 465, 476, 481, 507, 509, 521, 547, 551, 562, 564-565, 569, 582, 585, 591, 593, 602-603, 605, 609, 623, 625, 632, 634, 651, 664, 667, 669, 676, 696, 703, 707-710, 712-714

forestry 2, 18, 21, 37, 55, 68, 70, 95, 100, 152, 176, 189, 191, 226, 243, 260, 276, 349, 364, 415, 431, 451-452, 459, 534, 536, 538, 559, 564-565, 594, 623, 625, 628, 659, 705, 709

fruit crops 3, 14, 27, 34, 62, 64, 66-67, 69, 75, 85-86, 92-93, 96-97, 106, 112, 116, 119-120, 125-126, 128, 130, 133, 137-138, 150,

160, 164, 174, 177-179, 185, 190, 196, 246, 270, 277, 280, 290, 297, 306, 308, 325, 343-344, 355, 360, 371, 396, 436, 438, 456, 470, 501, 523, 535, 538, 547, 549, 562, 565-566, 572, 576, 579, 582, 585, 588-589, 594, 602, 605, 614, 619, 625, 659-661, 695, 697, 709

G

game birds 39, 355

garlic 3, 6, 36, 314, 484

goats-meat 3, 39, 48-49, 54, 68, 181, 306, 338, 349, 353, 364, 443, 452, 508, 518, 576, 581, 596, 608, 620, 625, 632, 710

greenhouse or nursery 5, 53, 142, 192, 220, 246, 255, 265, 293, 331, 333, 364, 377, 379-380, 389, 399, 402, 435, 444, 463, 468-470, 485, 504, 511, 516, 527, 554, 564, 613, 616, 670, 684, 706

greens (including salads) 1, 42, 44, 74, 77, 88, 103, 108, 141, 171, 198, 220, 265, 275, 334, 345, 368, 374, 392, 399-400, 439, 442, 446, 456, 463, 469, 471, 478, 485, 553-554, 620, 633, 647

H

herbs 1-2, 9, 19, 61, 66, 72, 77, 84, 127, 173, 181, 220, 265, 273, 333-334, 374, 379, 383, 386, 399, 437, 443, 455, 504, 516, 570, 576, 616, 620, 637, 712

hogs 3, 16, 22, 39, 46, 64, 67-69, 96, 150, 152, 161, 164, 169, 198-199, 205, 209, 218, 232, 235, 243, 249, 258, 273, 311, 313, 318, 323, 327, 339, 344, 353, 364, 367-368, 373, 420, 427-429, 431, 443, 459, 489-490, 509, 511, 518, 558, 580, 593, 602-605, 633, 637, 669, 702, 707, 709, 714

L

legume cover crops 28-29, 41, 46, 52, 81, 96, 104-105, 122, 127, 129, 144, 167, 175, 178, 183, 186-188, 190, 192, 215, 226, 230, 232, 244, 249-252, 263, 267, 278, 290, 298-299, 316, 318, 320, 330, 356, 369, 372, 378, 382, 390, 406, 409, 413-414, 416, 419-420, 424, 426-428, 442, 446, 450-451, 453, 456, 497, 513, 526, 530, 551, 567-568, 571, 583, 593, 598, 609-610, 625, 642, 646, 648-649, 653, 657, 677-678, 683, 689-690, 697, 702, 705, 716-717

legume forages 7, 48, 54, 71, 107, 143, 168, 175, 201, 203, 206, 209, 223, 225, 232, 248, 251, 258, 263, 278, 296, 298, 316, 327, 338, 346, 351, 356, 361, 364-365, 369, 373, 375, 378, 381, 406, 414, 424, 426-427, 457, 462, 476, 481, 489, 508, 521-522, 567-568, 579-580, 634, 641, 645, 648, 650, 657, 671-672, 674, 676-678, 680, 683, 686-687, 689-690, 701, 710, 714, 716-717

legume vegetables 72, 77, 278, 384, 391, 400, 402, 522, 548, 578, 603, 641, 679, 704

M

mushrooms 2, 33, 51, 66-68, 107, 260, 334, 349, 383, 518, 534, 546

N

nonlegume cover crops 29, 52, 81, 122, 127, 232, 250, 263, 298, 318, 356, 378, 390, 419-420, 428, 450, 453, 526, 530, 598, 610, 646, 649, 677, 697, 717

non-oilseed legumes 28, 182, 194, 267, 311, 316, 406, 453, 571, 648, 650, 652, 658, 663

nonlegume forages 3, 6-7, 46, 48, 54, 143-144, 168, 201, 206, 223, 248, 251, 263, 316, 327, 335, 338, 346, 356, 361, 373, 381, 408, 428, 443, 450, 473, 489, 508, 592, 609, 634, 649, 671-672, 674, 677, 683, 690, 697, 710, 714

nuts 81, 93-94, 102, 106, 108, 117, 128, 171, 182-183, 190, 194, 508, 521, 594-595, 660

O

oilseeds 16, 20, 23, 30, 39, 52, 71, 191, 203, 209, 228, 230, 232, 242, 248, 250, 278, 296, 306, 309, 311, 313, 318, 320, 322, 348, 358, 363, 365, 367, 370, 372, 375, 409, 412-413, 418-419, 425-426, 473, 490, 496, 522, 526, 534, 542, 563, 567-568, 571, 586, 595, 604, 606, 614, 646, 651-652, 663, 669, 695, 701, 717

onions and related crops 55, 142, 154, 181, 196, 207, 275, 421, 437, 466, 470, 478, 484, 524, 588, 594, 657

ornamentals 2, 53, 76, 85, 89, 101, 125-126, 130, 138, 141, 150, 169, 271, 276-277, 292, 331, 333, 343, 371, 379-380, 493, 511, 525, 527, 534-535, 562, 572, 574, 598, 628, 684

P

pome fruits 14, 27, 62, 86, 101-102, 104, 106, 115, 117, 185, 274, 287, 302, 377, 394, 473, 536, 550, 619, 659, 661-662, 670, 695

poultry 3, 5-6, 12, 39, 61, 64, 70, 120, 130, 134, 164, 175, 195, 213, 258, 261, 273, 275, 290, 297, 344, 368, 413, 428, 439, 444, 547, 554, 565, 602, 604-605, 609, 620, 623, 634, 647, 707, 709

R

rabbits 27, 34, 175-176, 261, 344, 355, 511, 623, 669-670

root vegetables 1-2, 74, 103, 152, 172, 382, 400, 466, 471, 478, 522, 563, 588, 647

S

sheep 3, 6, 35, 46, 48, 54, 64, 67, 69, 84, 108, 112, 120, 136, 161, 169, 175, 199-201, 213, 235, 243, 250, 256, 258, 261, 290, 292, 294, 306, 311, 313, 316, 323, 327, 336, 338-339, 349, 353, 368, 373, 375-376, 413, 428, 439, 449, 452-453, 501, 508, 518, 538, 545, 551, 572, 576, 596, 602, 604-605, 608, 620, 625, 629, 632, 634, 670, 676, 682, 687, 692, 694-695, 702, 707, 709-710, 713-714

small fruits 14, 27, 31, 34, 40, 44-45, 51, 58, 60, 62, 102, 115, 117, 134, 148, 170, 185, 265, 275, 287, 290-291, 302, 314, 319, 344, 355, 377, 390, 400, 439, 444, 466, 471, 474, 478, 510, 527, 530, 573, 576, 613, 620, 633, 637, 641, 647, 656, 659, 661, 665, 670, 695

small grains 16-17, 20, 28, 30, 34, 40, 52, 54, 71, 92, 120, 129, 134, 136, 144, 152, 167, 171, 182, 194, 201, 205-206, 209, 215, 218, 223, 225-226, 228-231, 242, 248, 250-252, 255, 258, 288, 296, 298, 307, 309, 311, 313, 318, 320, 330-331, 351, 361, 363, 365, 369, 372-373, 375-376, 381, 408-409, 412-413, 416, 418-420, 424-427, 453, 462, 489-490, 496, 507, 511, 513, 521, 526, 536, 559-560, 563, 567-569, 571, 578, 580-581, 586, 591, 593, 595, 599, 603-604, 606, 613-614, 624, 642, 644-646, 648-649, 651-653, 658, 663-664, 669, 671-672, 676, 679, 683, 689-690, 696, 701-702, 707, 712, 717

solanaceous vegetables 47, 72, 74, 77, 88, 113, 127, 132, 141-142, 154, 170, 172, 188, 196, 270, 314, 337, 383-384, 388, 391-392, 395-396, 402-403, 421, 439, 442, 446, 469, 485, 620, 704

specialty industrial crops 17, 39, 137, 156, 309, 315, 322, 425, 606.

stone fruits 14, 62, 93, 99, 102, 106, 122, 182, 185, 274, 302, 390, 456, 473, 579, 613, 619, 659, 662

subtropical fruits 104, 177, 179, 197-198, 588

sugar crops 17, 119, 126, 128, 134, 303, 518, 595

sweet corn 86, 291, 490, 528

T

tobacco 388-389, 570, 667

tomatoes 94, 394, 492

tropical fruits 1, 97, 127, 175, 179, 197-198, 384, 400

tuber vegetables 5, 153, 172, 286, 288, 291, 337, 382, 384, 388, 392, 395, 466, 485, 646-647, 656, 704

turkey 275, 351, 554, 603, 633, 637

V

veal 96

vegetables 1-5, 9, 19, 27, 29, 31, 37, 40, 42, 45, 47-48, 51, 60-61, 64, 66-70, 72, 74-77, 81, 83-88, 92, 95-96, 100-101, 103-105, 108, 110, 113, 115, 117, 119-120, 125-128, 130, 132-133, 136-138, 141-143, 148, 150, 152-154, 160, 164, 169-175, 180-181, 186, 188, 192, 195-196, 198, 207, 220, 243, 265, 270, 273, 275, 277-278, 280-281, 283, 286-288, 290-292, 302, 306, 308, 314, 322-323, 325, 331, 333-334, 337, 343-345, 355, 360, 364-365, 368, 371, 377, 380, 382-385, 387-388, 391-392, 395-396, 398-403, 415, 421, 431, 435-439, 442-444, 446, 454, 456, 460, 462-463, 466, 468-472, 478, 482, 485, 500-501, 504-505, 510, 512, 516, 522-525, 528-530, 535, 538, 542, 544, 547-549, 551, 553-554, 559, 562-563, 565-566, 570, 572, 574, 576, 578, 582, 585, 588-589, 593-594, 598, 602-603, 605, 609-610, 619-620, 623-624, 628, 631, 633, 637, 641, 646-647, 656, 660-661, 667, 670, 679, 695, 697, 699, 703-704, 706, 708, 712

vine fruits 14, 34, 44, 76, 93-95, 99-102, 115-116, 119, 122, 128, 182, 194, 302, 314, 377, 390, 572

W

warm-water aquaculture 15, 27, 34, 55, 64, 70, 120, 150, 156, 175, 195, 202, 308, 461, 483, 519, 559, 585

wildlife 35, 49, 54-55, 79, 81, 112, 136, 235, 260, 335, 376, 420, 449, 452, 459, 501, 521, 564-565, 572, 608, 620, 623, 670

INDEX 5: AREAS OF EXPERTISE

This index lists 13 major areas of expertise of crop/livestock producers, researchers and information providers.

Areas of expertise are: Agricultural Economics, Agronomic Crop Production, Farm Management, Horticultural Fruit Production, Horticultural Vegetable Production, Information Transfer/Education, Livestock Production, Marketing, Organic Production, Permaculture, Pest Management (diseases, insects & weeds), Soil Management (biology, conservation, nutrients & tillage), Water Management.

How to use: Suppose you want to contact an expert in diseases. Locate the subject by scanning the alphabetical listing beginning below. Under "D" you'll notice that "Diseases" is the only subject listed, and that it is followed by 20 different reference numbers (52, 62, 73, 102, 185, 253, 382, 384, 388-389, 400, 402-403, 527, 562, 589-590, 613-614, 662). This means the directory contains 20 people or groups who specialize in diseases. The first is Ref. No. 52. Scan the 717 entries until you locate Ref. No. 52 (Craig S. Rothrock). Continue scanning until you've compiled all contacts you need.

A

agricultural economics 10, 12, 20, 42, 94, 98, 113-114, 120, 141, 156, 159-160, 164, 166-167, 178, 195, 199, 243, 254, 268, 277, 287, 303, 309, 342, 346, 356, 373, 427, 435, 459, 472, 490, 517, 534, 567, 578, 580, 586, 591-592, 602, 604-605, 608, 617, 643, 655, 671, 673-674, 702, 711

agronomic crop production 7, 13, 16-17, 23-24, 28, 30, 33, 39, 41, 52, 56, 70-71, 80, 95-96, 112, 129, 136, 144, 150, 167-169, 180, 182, 184, 187, 192, 194, 203-204, 206, 209, 215, 223, 225, 227-230, 232-233, 239-240, 242-243, 248-251, 253, 258, 281, 286, 288, 292, 295, 298-299, 307-308, 311, 315-316, 318, 320-323, 328, 343, 357-359, 362-363, 367, 369-370, 378, 385, 387-388, 393, 401, 404-409, 412-413, 415, 418-420, 424-426, 428, 431, 438, 440, 442, 446, 450, 453, 457, 459, 465, 476, 489, 497, 506-507, 509, 522, 526, 534, 542, 549, 552, 555, 559-561, 563-565, 568-569, 571, 583, 585, 587, 590, 595, 606-607, 614-615, 634, 641-642, 645-646, 649-652, 657-658, 663-664, 667, 683, 689, 696, 700-702, 710, 714, 716-717

D

diseases 52, 62, 73, 102, 185, 253, 382, 384, 388-389, 400, 402-403, 527, 562, 589-590, 613-614, 662

F

farm management 10, 12, 20, 34, 46-47, 81, 94, 116, 163, 167-168, 187, 197-199, 208, 228, 266, 268, 272, 287, 294-295, 311, 313, 327, 330, 342, 344, 346, 349-350, 353, 367-368, 372-374, 429, 435, 449, 490, 517-518, 521, 523, 559, 566, 569, 578, 580, 586, 591-592, 603, 616, 623, 669, 674-676, 693, 702, 708, 712, 714

H

horticultural crop production — fruits 3, 14, 34, 40, 44, 58, 62, 86, 101-102, 104, 112-113, 115-116, 119, 122, 130, 171, 175, 177, 179, 182-183, 185, 190, 194, 246, 274, 297, 302, 314, 319, 331, 334, 360, 371, 384, 390, 394, 434, 466, 473-474, 510, 535, 550, 562, 573, 579, 588-589, 619, 659, 661-662, 665, 695, 697

horticultural crop production — vegetables 1, 5, 9, 14, 19, 29, 31, 37, 40, 42, 44, 47, 69, 72, 74, 76, 87, 95, 105, 110, 115, 119, 132, 141, 143-144, 159, 170-173, 175, 180, 182, 188, 192, 196, 207, 220, 255, 265, 270, 288, 290, 292, 314, 322, 331, 334, 337, 343, 345, 355, 360, 368, 371, 374, 380, 382-383, 385, 387, 391-392, 394-396, 400, 403, 421, 434-435, 437, 439, 442, 446, 455-456, 460, 462, 466, 468-469, 471, 478, 484-485, 492, 500, 504-506, 510, 516, 523-524, 528, 535, 541, 548, 553-554, 556, 570, 579, 585, 588-589, 594, 598, 610, 614, 616, 620-621, 631, 641, 647, 657, 665, 668, 670, 695, 699

I

information transfer/education 2-5, 10, 12, 15, 17-18, 24, 26-27, 31, 33, 35, 37, 42, 45-46, 48, 50, 53-54, 56-58, 60-61, 65-66, 68, 82, 87-91, 98, 104, 109, 111, 114, 118, 122, 124, 132-135, 137-141, 146-147, 149, 151, 155, 158, 164-165, 173-174, 176, 178-179, 181, 190, 193, 197-199, 201-202, 204, 210-214, 219, 221, 227, 229-230, 235-238, 241, 244-245, 250, 252, 258-259, 262-263, 269, 272, 275-277, 279-280, 282-285, 291, 294-295, 297, 299, 301, 306, 310, 317, 321, 326-329, 332-333, 338, 341, 350, 352, 354-355, 361, 371, 373, 375-376, 380, 389-392, 396-397, 399-400, 410-411, 419, 422-423, 425, 429, 432-434, 436, 438, 440-441, 444-445, 448-449, 451-453, 458, 460, 464, 469-470, 472-473, 477, 479-481, 485, 493-495, 499, 501-502, 504, 508, 511, 518, 520, 526, 529-530, 532, 537-538, 540-541, 543, 547, 549, 552-553, 557, 562, 565-566, 572, 574-577, 580, 583, 587, 592-595, 597, 601-602, 605, 609, 612, 615, 618, 621-622, 627, 629, 632, 636, 638, 643-645, 650, 652, 669, 672-676, 679-681, 684-685, 698, 701, 704, 707, 709, 712, 715

insects 5, 23, 62, 78, 80, 88-89, 100, 106-108, 113, 142, 154, 177, 180, 183, 185, 190, 203-204, 253, 255, 270-271, 274, 302, 307, 339, 351, 364-365, 377, 379, 381, 390, 392, 409, 492, 528, 581, 584, 598, 610-611, 619, 661-662, 678, 680, 697

L

livestock production 6, 22, 33, 35, 39, 46, 48, 54, 64, 79, 96, 108, 148, 168-169, 181, 201, 206, 208-209, 213, 239, 248-249, 251, 254, 258, 261, 266-268, 273, 286, 292, 294, 296, 300, 311, 313, 316, 320, 323, 330, 336, 338-339, 344, 349, 351, 353, 356, 361, 370, 412, 420, 423-424, 427-428, 431, 443, 489, 508-509, 514-515, 518, 521, 542, 558-559, 564-565, 569, 578, 593, 596, 603, 608, 623, 632, 634, 667, 669, 671-672, 676-677, 690-693, 703, 710, 713-714

M

marketing 2, 6, 20, 34, 51, 67, 81, 103, 114, 126, 129, 137, 146, 153, 197-198, 207, 212, 220, 265-266, 275, 280, 303, 305, 309, 314, 322, 336-337, 342, 344, 347, 352, 354-355, 368, 372, 374, 396, 399, 417, 437, 441, 444, 447, 455, 472, 477, 484, 504, 534, 547-548, 572, 591, 603, 620, 623, 633, 637, 668, 679, 690, 703

N

nutrient management 4, 7, 21, 24, 26, 28, 30, 65, 80, 93, 110-111, 172, 177, 179, 186, 222, 224-226, 235, 240, 281, 283, 286, 288, 291, 293, 298-299, 302, 325, 343, 378, 382, 401, 416, 426, 457, 491, 500, 503, 513, 522, 526, 545, 560, 563, 598, 600, 607, 610, 631, 635, 648, 657, 659-660, 671, 683, 686-687, 689, 696, 717

O

organic production 1-4, 9, 19, 31, 36-38, 40, 45, 47, 51, 58, 60-61, 65-67, 69, 75-76, 81, 83-85, 97, 103-106, 108-109, 115-116, 118, 120, 122, 124, 126-127, 129-130, 132, 137, 143-145, 148-149, 153, 155, 170-171, 173-174, 186, 193, 206-207, 212, 220-222, 248, 262, 265, 271-276, 280, 287, 290, 296, 305, 309, 313, 315, 318, 320-321, 325, 333, 336-337, 345, 352, 354, 360, 375, 377-378, 383, 385, 391, 395, 398-399, 407, 410, 414, 432-433, 437, 439, 442-443, 446-447, 455-456, 458, 460, 463, 466, 468-469, 471, 477-478, 481, 484, 487, 500, 503, 512-513, 516, 520, 523, 525, 529, 531, 533, 538, 540-541, 546, 548-549, 553, 564, 566, 572-576, 579, 581, 588, 594, 606, 609, 616, 620, 624, 627, 631-633, 637-638, 647, 656, 659, 661, 668, 670, 672, 679, 691, 695, 697, 699, 703-704, 706, 712

P

permaculture 1, 36, 54, 61, 84, 176, 279, 357, 386, 444, 451, 497, 511, 551, 633, 637, 656, 660

pest management 16, 29, 53, 64, 71-75, 78, 85-86, 89, 100-101, 106, 125, 127, 134, 138, 142, 145, 159-160, 169-170, 174, 188, 196, 203, 215, 223, 230-231, 233, 246, 257, 277, 297, 308, 333, 363, 365-366, 377, 388-389, 394-395, 397, 407, 413-414, 421, 436, 462, 467, 481, 493, 497, 506-507, 512, 516, 520, 524, 536, 556-557, 568, 582, 584, 593, 606, 646, 651, 663, 680, 684, 696, 700, 708

S

soil biology 16, 21, 52, 93, 107, 111, 117, 152, 186, 224, 231, 239-240, 247, 278, 291, 293, 298, 307-308, 380, 384, 401-403, 416, 491, 493, 511, 522, 527, 545, 568, 635, 648, 654, 677

soil conservation 7-8, 11, 13, 35, 55, 70, 92, 160, 191, 196, 209, 214, 216, 219, 223, 226-227, 232, 235, 241, 244, 247, 252, 300, 303, 341, 348, 357, 359, 362, 405-406, 424, 427, 489-490, 496, 513-514, 571, 581, 601, 629, 644, 648, 652, 655, 658, 685, 690, 693

soil management 17, 21, 26-27, 29-30, 38, 56, 64, 69-70, 72, 75-76, 79, 83-87, 93, 96-97, 101, 105, 125-127, 130, 136, 150, 152, 163, 176, 178, 181, 184, 187-188, 191-192, 195, 205, 215, 228-229, 231, 233-234, 242-244, 246, 249, 251, 281, 290, 296, 323, 325, 328, 331, 338, 345-346, 356, 358, 366, 370, 372, 387, 393, 404-405, 408, 413-414, 419-421, 428, 432, 459, 462, 465, 467-468, 473, 476, 478, 507, 512, 521, 524-525, 529, 531, 547, 552, 557, 561, 576, 582-583, 587, 599, 607-609, 612, 617, 635, 645, 647, 649, 653, 655, 660, 663, 667, 706, 708, 716

T

tillage 13, 28, 119, 124, 148, 226, 234, 242, 247, 252, 348, 362, 364, 367, 369, 416, 438, 491, 496, 503, 563, 642, 687, 700

W

water management 11, 27, 39, 55, 71, 74, 110, 125, 136, 143, 151, 172, 184, 189, 191, 195, 205, 219, 221, 241, 300, 341, 348-349, 353, 366, 393, 408, 412, 443, 461, 465, 467, 475-476, 483, 496, 514, 519, 525, 582, 585-586, 595, 599, 601, 612, 615, 617, 643, 646, 649, 653, 683, 686, 698, 716

weeds 32, 48, 95, 112, 232, 250, 255, 319, 358-359, 363-364, 369, 376, 404, 457, 474, 535-536, 542, 554, 571, 573, 619, 624, 641, 653, 658, 664-665, 677, 687, 689, 694, 710

INDEX 6: PRODUCTS AND SERVICES AVAILABLE

This index lists primary products and services offered by respondents in the directory.

Products include: Computer Software, Equipment/Farm Inputs, Information or Advice, Processed Farm Products, Raw Farm Products.

Services include: Application of Bulk Materials, Consultation, Education/Training, Information.

How to use: Suppose you want to contact a source of computer software. Locate the subject by scanning the alphabetical listing beginning below. Under "C" you'll notice there are two subjects. "Computer Software" is the first. It is followed by 26 different reference numbers (20, 30, 71, 94, 96, 134, 138, 150, 179, 183, 191, 197-198, 208, 227, 310, 333, 346, 519, 580, 591-592, 653, 674, 689, 714). This means the directory contains 26 people or groups who offer computer software. The first is Ref. No. 20. Scan the 717 entries until you locate Ref. No. 20 (James L. Novak). Continue scanning until you've compiled all contacts you need. (Note: "Computer Software" doesn't appear on James L. Novak's directory entry, but Novak did include this detail when he returned his directory form. For space considerations, we omitted details about "Products and Services" on the printed directory entries.)

A

application of bulk materials 65, 75-76, 93, 143, 148, 325, 522, 581, 607

C

computer software 20, 30, 71, 94, 96, 134, 138, 150, 179, 183, 191, 197-198, 208, 227, 310, 333, 346, 519, 580, 591-592, 653, 674, 689, 714

consultation 16, 18, 21, 23, 29, 38, 45, 47-48, 51, 54, 57, 60, 62, 65, 69, 75, 83-86, 93, 101, 103, 107, 112, 125, 128, 130, 141, 143, 146, 150, 153, 155, 158, 167, 171, 177, 183, 185, 188, 197, 199, 203, 208, 210, 213, 223, 228, 232-233, 246, 249, 255-256, 260, 267, 270, 276, 279, 281, 290, 294, 296, 300, 302, 309, 315, 331, 338, 343-344, 346, 358, 361, 365-366, 370, 372, 374, 376-378, 380, 384, 387-388, 395, 399-400, 410, 412, 428-429, 436, 441, 447, 449-453, 457, 462, 470, 484-485, 492, 503, 508-510, 512, 515, 518, 521, 523-524, 529, 531, 533-534, 536, 545, 547-548, 553, 559, 564, 579, 585, 594, 598-599, 608-610, 614, 616, 618, 623, 628-630, 632-633, 635, 637, 644, 647, 650-651, 659, 664, 666-667, 671, 677, 688, 694, 696-697, 706, 708

E

education/training 1, 3-5, 7-8, 10-13, 15, 17-18, 20, 22-24, 26-27, 29-32, 34-37, 41, 43, 46-48, 54, 56-57, 63, 66, 68, 71, 73, 79, 81-82, 85-89, 91-92, 94-97, 105-106, 113-115, 130-138, 140, 142, 147, 163, 165, 167-172, 174-176, 179, 181, 185, 188, 191-193, 195-196, 199-201, 208, 210-212, 214-215, 217-219, 221, 223-224, 227-228, 230, 233, 235-236, 238-239, 243, 250, 253, 255-256, 258-260, 263, 269-270, 274-277, 280-281, 283, 285-286, 291-295, 297-298, 302, 306-307, 310, 314, 316, 322-323, 326-327, 332-333, 335, 341-343, 346, 348, 350, 352-357, 361-362, 365, 368-371, 373, 379, 381, 383-384, 388, 390-393, 395, 398-399, 401-402, 405-408, 411-413, 415, 418-423, 425-427, 429, 431-433, 435-436, 438-441, 444, 447-449, 451-458, 461, 465, 469, 471-473, 475, 479-483, 485-487, 489, 491, 493, 496-504, 506, 508, 510, 512, 516, 519, 523-526, 532, 535, 537-538, 541, 544, 547, 549, 551, 553, 556-563, 565-566, 568, 570, 575-577, 580, 582-583, 585, 590-592, 595, 597, 599, 601-602, 605, 609, 611-615, 618-620, 622-623, 626-627, 629-633, 637-638, 641-643, 646-647, 650-654, 657, 662-665, 668-669, 674-675, 677, 680-681, 684, 686, 689, 697, 700-702, 707, 710-712, 714-715

equipment/farm inputs 29, 60, 75, 83, 85, 93, 119, 124-125, 146, 148, 167, 229, 242, 263, 267, 302, 331, 358, 370, 380, 507, 547-548, 585, 595, 626, 635, 647, 659-660, 667, 671, 697, 705

I

information 1, 3-5, 7, 9-13, 15-24, 26-31, 33-38, 42-45, 47-49, 51, 53-56, 61-66, 68-70, 74-75, 79-96, 98-99, 101-105, 107, 109, 111-115, 117-119, 121-122, 124-125, 130-140, 143, 146-151, 153, 155, 158-159, 161-170, 173-177, 179, 183, 185, 190-193, 197-201, 203, 207-208, 210-219, 221, 223, 227, 229-230, 232-233, 235-243, 246-247, 252, 254, 256-259, 263, 265, 269-270, 274-277, 279, 281-283, 285-287, 289-296, 298, 300-304, 306-307, 309-312, 316, 320-327, 330, 332-333, 335-336, 338, 341-346, 348, 350, 352-358, 361-366, 368-384, 386-387, 390-398, 400-402, 404-408, 411-414, 418-428, 430-433, 435-438, 440-442, 446, 448-451, 453, 455-462, 465-466, 469-470, 472-473, 475, 478-484, 487, 490-491, 493-500, 502-504, 506, 509-511, 513, 515-524, 526, 529, 531, 533-535, 538-541, 543-545, 547-553, 556-563, 565-566, 568, 573-577, 579-580, 582-583, 585, 591-595, 598-599, 601, 607-612, 614-616, 618-619, 622, 624, 626-633, 638, 640-646, 650-667, 669-672, 674, 679-681, 684-686, 689, 695-696, 698-702, 705-710, 712, 714-715

information or advice 1, 3-5, 7, 10, 12-13, 15-18, 21-24, 27-31, 33, 35, 38, 42, 44-45, 47-49, 51, 53-55, 61, 63-66, 68-70, 75, 79-87, 89-96, 98, 101-105, 107, 109, 111-115, 117-119, 121-122, 124-125, 130-140, 143, 146-151, 153, 155, 158-159, 162-165, 167-170, 174-175, 177, 179, 183, 185, 191, 193, 197-200, 203, 207-208, 210-211, 213-219, 223, 227, 230, 232-233, 235-238, 240-243, 246-247, 252, 257-259, 263, 265, 269-270, 274-277, 279, 281-283, 285-287, 289-296, 298, 300, 302-304, 306-307, 309-312, 316, 320-324, 326-327, 332-333, 335-336, 338, 341-346, 348, 350, 352-358, 361-366, 370-375, 377-384, 386-387, 390-392, 394-396, 398, 400-402, 404-408, 412-414, 418-420, 422-426, 428, 430-433, 436-438, 440-442, 446, 448-451, 453, 455-458, 460-462, 465-466, 469-470, 472-473, 475, 479-484, 487, 493, 497-500, 503-504, 506, 509-511, 513, 515, 517-524, 529, 533-535, 538, 540-541, 543, 545, 547-550, 552-553, 556-563, 565-566, 568, 573-576, 579-580, 582-583, 585, 591-595, 599, 601, 607, 609, 611-612, 614-615, 618-619, 624, 626, 628-633, 638, 640-646, 650-657, 659-665, 667, 669, 674, 679-681, 684-686, 689, 696, 698-702, 706-710, 712, 714-715

P

processed farm products 2, 6, 34, 36, 58, 67, 76, 84, 99, 108, 127, 129, 194, 206, 220, 228, 231, 248, 273, 315, 349, 367, 378, 394, 405, 443-444, 459, 553, 581, 588, 603, 606-607, 616, 623, 647, 650, 670, 679, 690, 692, 703-704

R

raw farm products 1-4, 6, 31, 34, 36, 39-40, 42, 45, 47, 55, 58, 60, 62, 66-67, 81, 99, 103, 108, 116, 127, 141, 143, 145, 153, 173, 181, 194, 201, 206-207, 209, 220, 229, 246, 248, 254, 266, 273-274, 280, 283, 294, 296, 309, 311, 314, 319-320, 336, 338, 349, 356, 360, 367, 372, 385, 424, 427, 437, 442-444, 446, 459, 463, 466, 468-469, 471, 478, 489-490, 504-505, 507-508, 513-515, 518, 529, 534, 542, 546, 555, 562, 564, 570, 573-574, 581, 588, 590, 594, 603, 606, 608, 616, 620, 623, 625, 632, 656, 668, 672, 675-677, 682, 692-695, 703, 712

INDEX 7: MANAGEMENT METHODS

This index lists directory respondents' expertise in seven primary methods of cropping management, erosion control, feed management, forage harvesting, health management, insect pest management, soil nutrient management and weed management.

Cropping System Methods are: Agroforestry, Continuous Cropping, Double Cropping, Dryland Farming, Fallow, Intercropping, Multiple Cropping, Permaculture, Relay Cropping, Rotational Cropping, Strip Cropping.

Erosion Control Methods are: Afforestation, Cover Crops, Conservation Tillage, Contour Cultivation, Ditchbank Protection, Grass Hedges, Grass Waterways, Minimum Tillage, Mulching, No-till, Riverbank Protection, Rotational Grazing, Soil Stabilization, Strip Cropping, Stubble Mulching, Terraces, Windbreaks.

Feed Management & Forage Harvesting Methods are: Continuous Grazing, Feed Rations, Free-Range, Hay, Holistic Resource Management, Multi-species Grazing, Pasture Renovation, Range Improvement, Rotational Grazing, Silage, Stockpiling.

Health Management Methods are: Conventional, Diatomaceous Earth, Herbal Medicines, Implants, Mineral Supplements, Preventive Practices, Probiotics, Rescue, Vaccines-subtherapeutic, Vaccines-therapeutic.

Insect Pest Management Methods are: Biological Control, Biorational Pesticides, Botanical Pesticides, Chemical Control, Crop Rotations, Cultural Control, Disease Vectors, Eradication, Economic Threshold Levels, Genetic Resistance, Integrated Pest Management, Field Monitoring, Mating Disruption, Mechanical Control, Physical Control, Prevention, Row Covers, Sanitation, Traps, Weather Monitoring.

Soil Nutrient Management Methods are: Animal Manures, Biological Inoculants, Composting, Crop Rotations, Earthworms, Foliar Feeding, Fertigation, Green Manures, Municipal Wastes, Nutrient Crediting, Nutrient Cycling, Organic Fertilizers, Organic Matter, Purchased Amendments or Fertilizers, Reduced Fertilizer Applications, Soil Analysis, Soil Biology, Tissue Analysis.

Weed Management Methods are: Allelopathy, Biological Control, Chemical Control, Crop Rotations, Competition, Cover Cropping, Cultural Control, Fallow, Flame Weeding, Integrated Vegetation Management, Living Mulches, Monitoring, Mechanical Control, Organic Mulching, Plastic Mulching, Precision Cultivations, Soil Solarization, Smother Crops, Weed Ecology, Weeder Geese.

How to use: Suppose you want to contact an expert on flame weeding. Locate the subject by scanning the alphabetical listing beginning below. Under "F" you'll notice there are seven subjects; "Flame Weeding" is the first. It is followed by 13 different reference numbers (37, 83, 115, 132, 143, 206, 311, 313, 320, 588, 631, 647, 717). This means the directory contains 13 experts on flame weeding. The first is Ref. No. 37. Scan the 717 entries until you locate Ref. No. 37 (Steve Diver). Continue scanning until you've compiled all contacts you need. (Note: "Flame Weeding" doesn't appear on Steve Diver's directory entry, but Diver did include this detail when he returned his directory form. For space considerations, we omitted details about "Management Methods" on the printed directory entries.)

A

afforestation 11, 55, 111, 175-176, 257, 260, 355, 357, 451, 525, 536, 574, 625

agroforestry 18, 21, 31, 34, 37, 40, 48-49, 55, 68, 97, 175-176, 178, 187, 191, 195, 257, 260, 297, 307, 346, 349, 355, 357, 373, 377, 415, 421, 431, 511, 518, 525, 534, 536, 538, 559, 564, 585, 625, 628-629, 659, 674, 697, 705, 709

allelopathy 32, 93, 102, 111, 196, 207, 226, 228-229, 242, 277, 281, 302, 306, 308, 318, 328, 337, 357, 378, 388, 408, 414, 416, 428, 460, 489, 491, 511, 528-529, 535, 547, 551, 564, 572, 583, 606, 646-647, 679, 697, 708

animal manures 3, 6-8, 12, 17, 21, 27, 29, 31, 36, 39, 41, 46, 48, 52, 54, 61, 64, 67-68, 70, 76, 80, 94, 102, 104, 110, 122, 129, 143-144, 153, 168-169, 173-174, 179, 181-182, 186, 199, 201, 205-207, 215, 223, 225, 249, 251-252, 273, 275, 280, 283, 293, 296, 308, 311, 313, 316, 318, 320, 323, 327-328, 330, 336, 338, 344-345, 348, 351, 353, 359, 367, 373, 385, 395, 401-402, 412-413, 420, 426-427, 435, 443-444, 452, 457, 459, 465, 485, 489-490, 501, 508, 511, 516, 533, 542, 544, 550, 553, 559-560, 565, 569-570, 572, 574, 576, 578-579, 588, 592, 599, 602, 605-606, 616, 620, 625, 629, 632, 648, 657, 661, 665, 669-672, 674, 676-677, 683, 687, 690, 692, 695, 699, 702-703, 705, 707-709, 714

B

biological control 6-7, 9, 14-16, 19, 23, 27, 29, 38, 44, 48, 51, 53, 55, 58, 62, 66-68, 71-73, 75-76, 80-81, 85, 88-89, 93, 99-100, 103, 107-108, 113, 116, 122, 125, 127, 130, 133-134, 142-144, 148, 153, 164, 169-171, 176-177, 180, 182, 186, 188, 190, 192, 204, 206, 220, 225, 228, 230, 233, 240, 253, 255-256, 258, 260, 265, 270-271, 274, 276-279, 290, 292, 297, 302, 306-308, 316, 318, 331, 333, 338, 351, 355-356, 364, 368-369, 371, 375-381, 384, 388, 390-391, 395, 403, 415, 420, 424, 436-437, 439, 444, 449, 451-452, 455, 462, 466, 469, 473, 481, 485, 492, 497, 508, 511-513, 516, 522, 524, 533, 546-551, 553-554, 564-565, 572, 574, 576, 579, 588, 593, 598, 606, 610, 616, 619, 625, 637, 641, 648, 651, 659-662, 664-665, 678, 697, 699, 707, 710, 714

biological inoculants 16, 49, 51-52, 111, 126, 224, 228, 240, 306, 343, 345, 380, 384, 404, 493, 513, 527, 547, 579, 614, 646, 667

biorational pesticides 37, 48, 64, 84-85, 88, 104, 107, 125, 142, 170, 180, 183, 228, 246, 270-271, 279, 402, 463, 481, 501, 524, 631, 684, 697

botanical pesticides 3, 9, 19, 37, 40, 45, 58, 69, 72, 93, 104, 116, 127, 142, 144, 173, 175, 177, 180, 186, 209, 220, 270, 280, 290, 333, 337, 344-345, 360, 376-377, 399, 439, 455, 460, 478, 485, 492, 512, 516, 523, 533-534, 553, 570, 606, 629, 632, 647, 656, 659, 695, 697, 717

C

chemical control 5, 7, 16-18, 20, 23-24, 29-30, 32, 34, 44, 46, 49, 62, 70-71, 78, 80, 96, 112, 122, 150, 160, 164, 169-170, 172, 175, 177, 179, 183, 192, 196-197, 201, 215, 223, 225, 228, 230, 232, 242-243, 246, 251, 253, 256, 277, 288, 303, 306, 309, 335, 346, 349, 357-359, 361-365, 367, 369, 371, 379-381, 384, 387-388, 390, 392-394, 402-405, 407-408, 412, 420-421, 435, 457, 462, 474, 489-490, 492, 504, 507, 509, 511, 518, 524, 526, 554, 559, 565, 568-569, 580, 582-583, 586-587, 591, 595, 599, 602, 605, 609, 615, 641, 646, 649, 653, 658, 662, 664-665, 669, 674, 684, 696, 700, 702, 717

competition 1, 7, 41, 75, 95, 168, 233, 256, 267, 279, 281, 288, 291, 299, 356, 404-405, 419, 421, 443, 508, 511, 536, 568, 625, 642, 659, 664

composting 1, 4-5, 9, 14, 19, 27, 29, 31, 35, 38, 42, 45, 51, 55, 61, 64, 66, 75, 83, 86-87,

92-93, 100-101, 103, 115-116, 126-127, 130, 141, 143, 148, 174, 181, 186, 198, 224, 246, 260, 265, 271, 273, 276-278, 280, 290-293, 313, 319, 323, 327-328, 331, 344, 351, 355, 367-368, 372-373, 385, 395, 428, 444, 453, 459-460, 463, 471, 478, 485, 491, 493, 496, 500, 505, 511-512, 516, 518, 533, 544-545, 549, 551, 553-554, 562, 566, 570-574, 576, 579, 581-582, 588-589, 594, 599, 606, 623, 628, 631, 633, 637, 647, 649, 671-672, 676-677, 686, 695, 701, 712

conservation tillage 7-8, 12, 17, 21, 24, 26, 28, 30, 38, 52, 64, 70, 72, 119, 148, 150, 153, 164, 169, 188, 195, 204, 209, 215, 223, 226, 230, 232, 242-244, 247, 249-250, 252, 277, 281, 288, 292, 299, 306-307, 309, 311, 318, 321, 323, 330, 348, 358, 364-365, 370, 381, 393, 404, 407, 412-413, 416, 431, 457, 462, 478, 496-497, 513, 524, 526, 528, 549, 565, 567, 581-582, 587, 595, 599-602, 605, 615, 644-645, 648, 651-653, 658, 663, 671, 689, 696, 700, 702, 709, 717

continuous cropping 1, 7-8, 12, 16-17, 20, 23-24, 26, 28, 30, 41-42, 52, 71, 74-76, 101, 103, 112-113, 115-117, 122, 126, 128, 150, 160, 164, 172, 174-175, 179, 188, 197-198, 200-201, 215, 220, 223-224, 226, 228, 232-233, 235, 240, 243, 247, 249-250, 252-253, 273, 275, 278, 291, 299, 306, 308, 311, 315, 321, 343, 348, 351, 355, 359, 362-363, 367, 369, 372, 380-381, 384, 388-390, 392-394, 400-402, 407, 416, 418, 420, 425-426, 444, 469, 485, 490-491, 507, 511-513, 524, 526, 528, 538, 547, 553, 569, 572, 578, 580, 591, 595, 600-602, 605, 644, 648-649, 657, 660, 664-665, 669, 676, 683, 700

continuous grazing 6-7, 20, 30, 35, 49, 81, 136, 164, 169, 200, 205, 207, 232, 249, 254, 256, 306, 339-340, 351, 361, 364, 368-369, 373, 413, 420, 506-507, 509, 564-565, 580, 591, 602, 605, 676, 710

contour cultivation 34, 36, 45, 58, 70, 187, 195, 201, 206, 209, 228, 276, 351, 360, 368, 390, 459, 510, 555, 595, 598, 610, 620, 660, 663, 677, 689, 703, 705, 707

conventional 20, 22, 39, 46, 68, 84, 93, 150, 164, 169, 175, 199, 201, 208-209, 213, 220, 232, 235, 243, 254, 260-261, 266, 300, 306-307, 312, 338-339, 346, 351, 356, 361, 364, 367-369, 373, 412, 439, 444, 490, 514, 518-519, 521, 542, 558, 564, 569, 576, 580, 587, 595-596, 603, 634, 670, 672, 675, 677, 687, 693-694, 714

cover cropping 9, 19, 27, 29, 31, 60, 68, 81, 85, 94, 99, 101, 104-105, 108, 110, 112, 115-116, 122, 125-126, 132-133, 167, 175, 182, 186, 188, 190, 195, 198, 205, 220, 225, 229, 232-233, 235, 242-244, 246, 251, 265, 281, 283, 287-288, 290, 292, 296, 316, 323, 327, 345, 351, 357-360, 363-364, 368-372, 382, 387, 393, 399, 424, 438-439, 453, 460, 463, 469, 471, 485, 489-490, 500, 505, 507, 510, 512, 516, 523, 528-530, 533-534, 542, 549, 566, 571, 574, 576, 602, 605, 609-610, 616, 619, 624, 631, 642, 660-661, 670, 674, 689, 695, 700-702, 708, 712

cover crops 4-9, 14, 17, 19-20, 24, 27-29, 31, 37-38, 40-41, 47, 49, 52, 60, 64, 66-69, 80-81, 85, 92, 94-96, 99, 101, 103-105, 108, 110, 112, 115-116, 122, 125, 128-130, 133, 143-144, 148, 153, 167, 171-173, 175, 181-182, 184, 186-188, 190, 194, 198-200, 204-205, 207, 218, 225, 228-229, 232-233, 235, 242, 244, 246-247, 249, 251, 258, 263, 265, 267, 271, 275-278, 280-281, 283, 288, 290, 292, 296, 299, 302, 306-308, 313, 316, 318, 323, 327-328, 335, 337-338, 343, 345, 351, 355-362, 364, 367-372, 375, 377-378, 380, 382, 384, 387-388, 390, 393-395, 401-402, 404-406, 408-409, 412-414, 419-420, 424, 426, 435, 437-439, 443, 450, 453, 455, 460, 462-463, 466, 468-469, 471, 473-474, 478, 481, 484-485, 489-490, 497, 500-501, 505, 507, 509-512, 516, 523-526, 528-530, 533-535, 538, 542, 544, 547-549, 551, 553-555, 562-564, 566-568, 570-571, 573, 576, 579, 583, 598, 603, 605, 609-610, 614, 616, 619-620, 624-625, 631, 637, 641-642, 645-647, 651, 656-657, 661-662, 664-665, 667, 672, 674, 677, 679, 695, 697, 699, 701-703, 707-709, 712, 714, 716

crop rotations 1, 3, 7, 9, 17, 19-21, 27-28, 30, 38, 40, 47, 60-61, 64, 67-72, 80, 84, 87, 92-93, 96, 102, 108, 110, 129, 133, 143-144, 148, 150, 153, 160, 164, 167, 171-172, 181-182, 184, 187, 192, 194, 196, 200-201, 204-207, 209, 215, 218, 226, 228-232, 235, 242, 244, 248, 250-253, 258, 263, 265, 273, 276-277, 280, 283, 286-288, 290, 292-293, 296, 298-299, 303, 306-307, 309, 311, 313, 315-316, 318, 320-323, 327-328, 330, 337, 345-346, 355, 357-359, 364-365, 367-368, 370, 372-373, 375, 378, 382, 384-385, 388, 392-393, 398-399, 402, 405-409, 412-416, 419-421, 424-425, 427-428, 431, 435, 437-439, 442, 446, 453, 455-456, 459-460, 462-463, 465-466, 468-469, 471-472, 478, 484-485, 489-490, 505, 510, 513, 521, 523, 526, 529, 534, 536, 542, 544, 548-549, 551, 553, 555, 559, 563-569, 571, 574, 576, 578, 581-583, 586-587, 589, 599, 602-603, 605-606, 609, 614, 616, 620, 624-625, 633-634, 637, 641, 645-646, 648-649, 651-653, 658, 669-670, 672, 674, 677, 679, 686-687, 689-690, 695-697, 700-703, 705, 707-709, 712, 717

cultural control 14, 17, 27, 30, 32, 37, 40, 53, 60, 64, 66, 87, 92, 94, 96, 100, 103-104, 108, 110, 116, 125, 127, 130, 132-134, 154, 164, 168, 171-172, 175, 179, 186, 190, 196-198, 204, 215, 220, 243, 246, 250, 258, 260, 271, 287, 290, 296, 302, 308-309, 318, 333, 337-338, 356, 358-360, 364-365, 370, 372-373, 375-377, 382, 385, 391, 398, 404-405, 408-409, 419, 438, 457, 460, 463, 469, 471, 474, 478, 497, 501, 510, 516, 523, 528, 533, 548-551, 555, 564-568, 573, 576, 583, 586-587, 594-595, 619, 625, 631-632, 634, 641, 649, 664, 671, 677, 679, 699, 701-703, 707, 709, 714

cultural controls 17, 27, 37, 53, 60, 64, 66, 92, 94, 96, 100, 103-104, 116, 127, 130, 132-134, 154, 168, 171-172, 175, 179, 186, 190, 196-198, 243, 246, 290, 296, 318, 337-338, 356, 360, 364-365, 372, 375, 391, 398, 404-405, 408-409, 419, 438, 460, 463, 469, 471, 474, 478, 501, 510, 523, 528, 533, 548-549, 551, 564-566, 568, 576, 586, 594-595, 619, 625, 631-632, 634, 641, 649, 664, 677, 679, 699, 701-703, 714

D

diatomaceous earth 48, 64, 68, 84, 148, 171, 218, 300, 308, 313, 323, 336, 340, 349, 355, 364, 375, 439, 451, 453, 490, 506, 551, 553, 569, 576, 608, 620, 626, 634, 667, 697, 712

disease vectors 88, 225, 400, 403, 421, 562, 589

ditchbank protection 71, 189, 449, 574, 665

double cropping 12, 16-17, 24, 28, 47, 51-52, 67, 70-72, 93, 96, 144, 169, 172, 180, 192, 228, 230-231, 235, 249, 263, 278, 316, 330, 337, 345, 359, 362-363, 365, 368, 374, 380, 383, 392-393, 421, 438, 442, 446, 466, 468, 513, 521, 529, 551, 559-560, 565, 579, 602, 605, 646, 679, 700, 703

dryland farming 5, 20-21, 26, 30, 39, 101, 115, 127, 136, 164, 184, 192, 195, 199, 206, 228-229, 240, 253, 258, 291, 306, 308, 315, 318, 321, 343, 358, 370, 373, 375-376, 378, 401, 404-409, 412-413, 415-416, 420, 424-428, 449, 455, 507, 513, 525-526, 547, 560, 563, 567-568, 578-579, 581-582, 586-589, 591, 594, 599-600, 603, 606, 609, 611, 614-615, 642, 644-645, 648, 651-653, 658, 663, 667, 701, 716-717

E

earthworms 33, 54, 81, 97, 117, 178, 231-233, 247, 260, 355, 359, 497, 521, 570, 572, 692, 700

economic threshold levels 30, 70, 192, 203, 215, 226, 233, 251, 253, 309, 321, 394, 435, 437, 473, 507, 633, 646, 665, 678

eradication 279

F

fallow 26, 129, 178, 180, 253, 257, 314, 363, 373, 375-378, 402, 404, 406, 408-409, 413, 424-425, 443, 513, 526, 567, 569, 572, 582, 586, 606, 642, 644, 658, 716-717

feed rations 9, 15, 19, 22, 31, 67, 75, 148, 150, 169, 171, 181, 201, 209, 249, 266, 275, 300, 307, 313, 320, 412, 420, 423, 442, 446, 459, 501, 542, 551, 558, 569, 572, 595-596, 603, 647, 669-671, 674, 702, 714

fertigation 14, 44, 110, 164, 172, 291, 383, 400, 420, 466, 504, 585, 595, 598, 601, 662, 665

field monitoring 5, 7, 24, 34, 47-48, 55, 58, 101, 113, 129, 173, 199, 203, 218, 226, 291, 307, 369, 372, 449, 452, 457, 490, 497, 504, 507, 528, 548, 594, 598, 610, 647, 660, 674, 677, 714

flame weeding 37, 83, 115, 132, 143, 206, 311, 313, 320, 588, 631, 647, 717

foliar feeding 8, 37, 47, 58, 62, 108, 122, 128, 143, 148, 177, 188, 206, 220, 246, 302, 314, 319, 337, 444, 473-474, 484, 510-511, 518, 523, 529, 533, 547, 554, 574, 583, 594, 598, 609-610, 647, 659-660, 667, 697, 712

free-range 3, 9, 19, 31, 35, 61, 64, 67, 79, 84, 136, 150, 171, 248, 261, 275, 336, 351, 355, 373, 420, 439, 442, 446, 451, 466, 553-554, 564, 576, 595, 602, 605, 620, 623, 633, 647, 656, 703, 709

G

genetic resistance 40, 54, 62, 80, 154, 188, 253, 315, 351, 382, 390, 407, 419, 431, 453, 509, 536, 572, 717

grass hedges 335, 345, 359, 450, 548, 641, 664

grass waterways 46, 54, 70, 172, 189, 197, 200, 228, 252, 267, 331, 349, 373, 402, 414, 501, 513, 542, 562, 571, 574, 582, 585, 599, 609, 615, 665, 672, 690, 696

green manures 1, 9, 19-20, 24, 27-28, 31, 36-37, 40-41, 45, 51-52, 60, 66-68, 72, 84-86, 93-96, 102-105, 108, 112, 115-116, 125, 127, 133, 153, 171, 173, 175, 181-182, 184, 187-188, 195, 198, 200, 205, 215, 220, 233, 235, 242, 250-251, 258, 265, 280, 283, 286, 288, 290, 292-293, 296, 299, 307, 313-316, 318, 321, 337, 344-345, 351, 357, 359-360, 364, 367-368, 372-373, 375, 378, 380, 382, 387, 390, 399, 404-406, 413, 424, 428, 431, 437-439, 442-443, 446, 452-453, 456, 462-463, 466, 468-469, 471, 476, 485, 489, 501, 512-513, 524-525, 528-530, 538, 544, 548-549, 555, 559, 564, 567-568, 571, 573, 586, 589, 610, 616, 620, 624-625, 631, 633, 637, 645-646, 649-651, 656, 670, 677, 679, 689-690, 697, 699, 701, 703, 707, 716

H

hay 6-7, 22, 27, 49, 69, 75, 93, 148, 181, 200, 206-209, 213, 218, 235, 248-251, 273, 283, 286, 291, 296, 300, 306-308, 316, 318, 320, 335-336, 340, 349, 351, 353, 361, 368, 375, 412, 414, 427-428, 442-443, 446, 457, 501, 506, 509, 514-515, 518, 547, 559, 564, 572, 591, 593, 595, 603, 609, 625-626, 667, 669-670, 672, 674-676, 690-691, 693, 695, 705, 707, 712

herbal medicines 3, 64, 75, 130, 175, 207, 261, 273, 308, 351, 355, 375, 444, 453, 553, 626, 633, 637, 656, 667, 703

holistic resource management 35, 46, 48, 54-55, 68-69, 75, 96, 130, 152, 168, 176, 178, 195, 199, 201, 208, 213, 218, 254, 267-268, 296, 313, 323, 327, 330, 346, 349, 353, 364, 375, 404, 413, 429, 431, 449, 452, 506, 508, 545, 608, 633-634, 637, 671, 677, 691, 701, 712, 714

I

implants 169, 235, 266, 669

integrated pest management 5, 23-24, 29-31, 34, 40, 51, 53, 64, 70-71, 75-76, 78, 80, 85-86, 89, 99-102, 105-107, 112-113, 125, 130, 132, 134, 138, 150, 154, 160, 169-170, 172, 179, 183, 185, 188, 192, 195, 197-198, 203-204, 215, 218, 223, 228, 230, 232-233, 235, 243, 246, 255, 260, 271, 274, 277, 292, 297, 299, 302, 306-309, 318, 323, 328, 333, 365, 368, 376-377, 380-382, 390-391, 394, 402-403, 407, 409, 424, 431, 438, 452, 457, 470, 473-474, 490, 501, 504, 516, 521, 524, 528, 534, 536, 546-547, 550, 554-555, 559, 570, 574, 576, 581-583, 587-588, 593, 602, 605, 609, 611, 615, 619, 625, 631, 646, 651, 653, 658, 662, 669, 678, 680, 684, 696, 709, 714

integrated vegetation management 24, 49, 53-55, 96-97, 100-101, 130, 134, 138, 170, 178, 188, 243, 267, 274, 377, 380, 402, 431, 451, 455, 473-474, 501, 524, 535, 624-625, 632, 641, 651, 658, 686, 714

intercropping 3-4, 14, 34, 36, 38, 41, 48, 51, 60-61, 84, 87, 95, 97, 100, 102-104, 126-127, 130, 133, 142-143, 150, 168, 170, 175-176, 178, 181, 184, 186-187, 190, 197-198, 204-205, 215, 218, 225-226, 251, 259-260, 265, 270, 275, 279-281, 286, 288, 292, 297-298, 309, 327, 337, 345, 357-358, 365, 370, 372, 374, 377-378, 380, 387, 398-399, 404, 412, 424, 439, 442-444, 446, 452, 455, 457, 463, 466, 473-474, 476, 478, 484, 489, 497, 501, 507-508, 511, 524, 528-529, 535-536, 544, 555, 563, 565, 574, 616, 619, 625, 631, 634, 649, 690, 709, 714

L

living mulches 6, 9, 19, 37, 60, 84, 92, 94-95, 105, 112, 176, 178, 181, 196, 275, 277, 290, 380, 383, 387, 390, 398, 406, 438, 443-444, 473, 478, 485, 500, 530, 535, 550, 570, 594, 610, 619, 631, 637, 699, 717

M

mating disruption 54, 62, 76, 86, 101, 106, 115, 122, 306, 392, 550, 659, 661

mechanical control 14, 20, 24, 27, 38, 40-41, 45-46, 49, 51, 58, 64, 66-67, 69-71, 76, 80, 84, 99, 103-104, 115-116, 119, 122, 127, 130, 132, 143-144, 148, 153, 167, 169, 171, 175, 181-182, 186, 197, 199, 206, 209, 218, 223, 225, 230, 235, 240, 248, 251, 258, 260, 273, 276, 280, 283, 291-292, 296, 298, 311, 315-316, 318, 321, 323, 327-328, 337, 344, 346, 356, 361, 367, 369, 371, 374, 379, 385, 392, 395, 404-405, 407, 412-414, 416, 425, 428, 431, 435, 437, 439, 457, 459, 462, 466, 471, 484, 492, 501, 505, 507, 512-513, 518, 542, 549, 554-555, 559, 568-570, 573, 579, 586, 588, 591, 594-595, 599, 606, 615-616, 620, 645, 647, 656, 661, 667, 669-672, 677, 679, 687, 689-690, 701, 703, 705, 707-709

mineral supplements 6, 22, 27, 46, 49, 54-55, 69, 75, 81, 93, 130, 148, 152, 201, 206, 209, 235, 251, 256, 263, 292, 300, 320, 336, 340, 361, 364, 367-369, 501, 506, 514, 518, 545, 547, 564-565, 596, 608-609, 625, 632-633, 637, 667, 669, 671, 677, 682, 692, 695, 697, 712, 714

minimum tillage 8, 12, 17, 26, 30, 34, 36, 62, 68, 72, 75, 81, 92-93, 96, 99-100, 116, 119, 128, 130, 164, 180, 199, 201, 223, 229, 249, 251, 278, 311, 313, 315-316, 327-328, 330, 351, 362, 365, 376, 381, 390, 395, 407, 415, 418, 425, 427-428, 443, 457, 489-490, 496, 500, 508, 512, 521, 528, 559, 563, 568, 600, 603, 614, 624-625, 644, 658, 660, 664, 669, 674, 712, 714, 717

monitoring 5, 7, 24, 34, 46-48, 55, 58, 69, 75, 101, 106, 113, 115, 129, 150, 173, 184, 199, 203, 205, 218, 226, 271, 291, 297, 307, 369, 372, 449, 452, 457, 490, 497, 504, 507, 528, 548, 587, 594, 598-599, 601, 610, 647, 660, 674, 677, 696, 714

mulching 3, 9, 14, 19, 27, 31, 34, 37, 40, 44-45, 47-48, 58, 60-62, 66-67, 75, 80-81, 84-85, 93, 104-105, 112, 125, 128, 143, 172-173, 176, 181, 192, 198, 207, 224-225, 246, 260, 265, 271, 273, 277, 280, 297, 302, 314, 333, 344, 360, 368, 371-372, 375-376, 380, 383-384, 392, 395, 403, 405, 408, 416, 419, 435, 437, 439, 443-444, 453, 460, 466, 468, 471, 473-474, 478, 481, 484-485, 511-513, 516, 523, 526, 530, 533, 535, 538, 548, 553-554, 562, 566, 570, 572-573, 576, 579, 586, 589, 594-595, 606, 616, 624, 628, 633-634, 637, 646, 653, 661, 679, 686, 712

multi-species grazing 3, 6, 46, 48-49, 68, 206, 261, 267, 292, 330, 338, 346, 353, 364, 449, 518, 565, 572, 608, 620, 623, 625, 634, 637, 677, 682, 692, 710, 713

multiple cropping 5, 7, 37, 40-41, 47, 64, 66, 68, 70, 72, 75-76, 84, 104, 108, 115, 127, 130, 177, 191-192, 204-205, 270, 276-277, 298, 351, 355, 357, 365, 371, 400, 405, 408-409, 412, 421, 431, 437, 442, 446, 453, 455-456, 468-469, 478, 501, 527-528, 534-535, 542, 576, 579, 581, 585, 589, 594, 602, 605, 609, 611, 619-620, 647, 651

municipal wastes 14, 97, 178, 267, 278, 438, 440, 497, 562, 582, 615, 686

N

no-till 7, 21, 26, 29-30, 41, 44, 46, 52, 101, 112, 129, 160, 167, 169, 180, 182, 184, 186-187, 194, 196, 204, 215, 223, 226, 229-233, 235, 242, 247, 250, 252-253, 263, 267, 278, 281, 303, 306, 309, 315, 348, 356, 358-359, 362, 365, 369, 371, 376-377, 381, 387, 393, 403, 416, 418, 425-426, 438, 457, 489, 491, 496, 508, 559, 565, 586, 600, 644, 648, 658, 686, 700, 708-709, 716-717

nutrient crediting 199, 226, 242-243, 327, 393, 419, 457, 465, 524, 674, 696, 708-709

nutrient cycling 18, 38, 48-49, 64, 69, 83, 111, 117, 150, 168, 184, 186-187, 201, 218, 240, 276, 281, 292, 299, 338, 349, 353, 356, 358, 370, 387, 393, 414, 416, 451-452, 457, 500, 525, 545, 563, 565, 586, 615, 623, 634, 664, 689, 714

O

organic fertilizers 1, 3, 6, 36-37, 40, 47, 58, 60, 62, 67, 75-76, 85, 87, 101, 116, 122, 125-126, 128, 130, 133, 152, 171, 173, 175, 179, 220, 246, 265, 271, 275, 290, 325, 331, 333, 337, 355, 360, 364, 395, 398-399, 437, 439, 451, 466, 468, 516, 518, 523, 534, 538, 542, 548, 554, 566, 581, 586, 588, 609, 631-632, 659, 661, 679, 692, 695, 697, 712

organic matter 34, 54, 60, 62, 69-70, 72, 81, 84, 92-93, 175-177, 207, 263, 271, 275-276, 281, 298, 307, 333, 349, 353, 378, 398, 407, 443, 460, 469, 478, 484, 500-501, 504, 510, 546, 566, 576, 594, 598, 610, 619, 623-624, 633, 637, 644, 661

organic mulches 3, 14, 27, 31, 34, 36, 38, 45, 55, 58, 60-62, 66, 75, 81, 84-85, 97, 143, 173, 175-176, 178, 181, 184, 198, 207, 220, 260, 265, 271, 273-275, 280, 297, 333, 344-345, 351, 355, 360, 368, 374, 378, 383, 395, 398-399, 443-444, 460, 466, 473, 484, 500-501, 505, 511-512, 516, 523, 548, 553, 562, 566, 570, 573, 576, 579, 588, 594, 598, 609, 620, 623, 633, 637, 656, 695, 712

P

pasture renovation 7, 30, 64, 84, 93, 112, 130, 199-200, 235, 243, 250, 263, 266, 273, 286, 292, 294, 300, 308, 312-313, 316, 323, 328, 340, 356, 375, 423, 443, 449, 459, 538, 547, 559, 565, 587, 609, 620, 625, 632, 687, 690, 692-693, 695, 697, 703, 709, 712

permaculture 1, 6, 27, 36-37, 48, 54-55, 58, 61, 64, 67-69, 81, 84, 93, 102, 122, 176-177, 224, 259, 265, 279, 297, 333, 386, 451, 474, 508, 538, 545, 551, 572, 585, 588, 633, 637, 645, 647, 656, 660-662, 665, 670, 697, 714

physical control 6, 60, 68, 173, 176, 181, 349, 356, 443, 449, 460, 511, 553, 610

plastic mulching 34, 44-45, 67, 80, 172, 192, 246, 280, 314, 344, 368, 380, 383, 392, 435, 437, 533, 548, 554, 633, 637

precision cultivations 3, 36, 68, 95, 103, 119, 144, 148, 153, 218, 303, 328, 337, 345, 427, 437, 457, 459, 469, 478, 484, 536, 548, 554, 564, 571, 574, 609-610, 695

prevention 38, 45, 47, 51, 67, 96, 133, 153, 176, 181, 197, 276, 291, 296, 302, 308, 315, 336, 372, 383, 385, 399, 414, 449, 452, 469, 471, 489, 500, 508, 513, 523, 545, 547, 551, 587, 598, 609, 620, 623, 632, 634, 667, 670, 701, 703, 707, 712

preventive practices 3, 22, 27, 31, 38-39, 48-49, 54-55, 61, 64, 67-68, 81, 96-97, 144, 171, 175, 181, 195, 206, 213, 218, 220, 243, 250-251, 254, 256, 261, 263, 266-267, 273, 275, 283, 292, 294, 296, 311-313, 323, 328, 336, 338-339, 344, 353, 356, 361, 368, 373, 375, 412-413, 423-424, 427-428, 431, 439, 442-444, 446, 449, 451-452, 456, 459, 461, 483, 501, 506, 514, 519, 521, 545, 547, 551, 554, 558-559, 564-565, 572, 576, 595-596, 603, 609, 620, 623, 625, 632-634, 637, 647, 656, 669-672, 675-676, 682, 690, 692-693, 695, 699, 701-703, 707, 712, 714

probiotics 39, 75, 93, 130, 148, 206, 218, 220, 232, 313, 344, 412, 428, 609, 632, 671, 677, 682, 690, 703

purchased amendments or fertilizer 4, 8, 17-18, 20, 24, 45, 72, 80, 96, 101, 169, 185, 192, 243, 256, 335, 371, 382, 388, 403-404, 421, 435, 462, 474, 504-505, 509, 524, 526, 538, 560, 582, 595, 641, 649, 658, 663

R

range improvement 79, 112, 256, 335, 427, 431, 508-509, 514, 580, 593, 596, 608

reduced fertilizer applications 41, 75-76, 96, 99-100, 110, 150, 152, 164, 167-168, 172, 179, 184, 191-192, 195, 197-198, 204, 209, 215, 218, 223, 225, 228, 232, 235, 243, 250, 252, 263, 267, 277, 286, 306, 308-309, 311, 318, 330, 346, 382, 390, 393, 398, 412, 416, 419, 424, 426, 431, 435, 459, 473, 476, 489-490, 497, 522, 526, 555, 559-560, 567, 569, 587, 600, 602-603, 605, 632, 645, 653, 658, 660, 663, 665, 669, 671, 683, 687, 702, 708-709, 717

relay cropping 30, 96, 150, 170, 183, 188, 225, 277, 281, 283, 292, 299, 307, 337, 358, 370, 408, 419, 438, 489, 500, 512, 524, 535, 542, 565, 624, 646, 700

rescue 250-251, 461, 483, 572, 620, 656, 690, 695

riverbank protection 226, 243, 257, 449

rotational cropping 3, 7-9, 12, 17, 19-21, 24, 27-29, 31-32, 34, 38, 40, 45-47, 51-52, 58, 60, 64, 66-72, 75, 80, 84, 87, 93-96, 102, 110, 130, 133-134, 136, 143-144, 148, 150, 153, 160, 164, 167, 169-173, 180-182, 184, 186-188, 194-195, 200-201, 205-207, 209, 215, 218, 224, 229-230, 232-233, 235, 240, 242-244, 246, 248-253, 258, 263, 265, 270, 273, 275-276, 280-281, 283, 286, 288, 292-293, 296, 298-299, 303, 306-309, 311, 313-314, 316, 318, 320, 323, 327-328, 330, 343, 345-346, 360, 367-369, 371-373, 375-376, 378, 381-382, 384-385, 388-389, 392-395, 398, 401-407, 414, 416, 418-420, 424, 427-428, 431, 435, 437-439, 443, 449, 453, 455-457, 459-460, 462-463, 465, 468-469, 471, 474, 478, 481, 484-485, 489-491, 500-501, 505, 507, 510, 512, 516, 521, 523, 525-526, 529, 534, 538, 542, 547-549, 551, 554-555, 559, 564, 566-569, 571, 573-574, 576, 578, 581-583, 586-591, 595, 598-603, 605-606, 609-610, 614-616, 620, 624-625, 633, 637, 641-642, 645-653, 656-658, 660-661, 663-664, 667, 669-672, 674, 677, 679, 683, 686-687, 689-690, 696-697, 701-703, 705, 707-709, 712, 714, 716

rotational grazing 20, 22, 27, 30-31, 38, 46, 48, 54, 64, 68, 79, 84, 93, 96, 108, 130, 133, 136, 144, 148, 168-169, 175, 195, 201, 205-206, 208, 213, 218, 220, 232, 235, 243, 248, 250-251, 254, 256, 258, 261, 263, 266-268, 273, 275, 283, 290, 292, 294, 296-298, 306, 308, 312, 316, 318, 323, 327-328, 330, 335-336, 338-339, 346, 349, 355-356, 361, 367-369, 373, 398, 413-414, 423-424, 427-429, 431, 439, 443, 453, 457, 459, 489, 501, 507-508, 514-515, 518, 521, 542, 545, 551, 559, 576, 587, 591, 593, 596, 602-603, 605, 609, 623, 626, 629, 632-634, 637, 656, 670, 672, 675-677, 682, 687, 690, 692, 694-695, 697, 701-703, 707, 709-710, 713-714

row covers 45, 108, 196, 265, 280, 314, 444, 456, 463, 466, 500, 570, 579, 589, 616, 620, 633, 637, 647, 656, 661

S

sanitation 6, 54-55, 273, 428, 444, 620, 623, 670, 676

silage 20, 38, 96, 150, 232, 243, 251, 286, 294, 307, 320, 339, 369, 404, 412, 457, 542, 547, 667, 669, 672, 674-675, 687, 691, 693, 699, 702, 705, 707

smother crops 1, 66, 176, 265, 313, 375, 633, 699

soil analysis 5-6, 24, 30, 34, 55, 71, 83, 85, 125, 127-128, 144, 150, 152, 169, 172, 197, 209, 225, 240, 249, 281, 291, 302, 325, 343, 371, 399-400, 408, 491, 496, 523, 525, 550, 587, 615, 634, 641, 653, 657, 659-660, 667

soil biology 38, 48, 55, 97, 107, 111, 117, 130, 178, 187, 195, 224, 247, 263, 278, 298, 307, 333, 338, 356, 380, 384, 388, 403, 416, 421, 473, 522, 527, 545, 547, 551, 647-648, 651

soil solarization 31, 38, 44, 53, 61, 101, 403, 562, 665

soil stabilization 12, 41, 75, 83, 144, 224, 243-244, 246, 296, 302, 308, 331, 343, 377, 400, 449, 451-452, 455, 459, 500, 509, 511, 522, 525, 547, 587-588, 619, 647, 651

stockpiling (unharvested) 54-55, 168, 258, 263, 327, 338, 356, 428, 521, 626, 682, 713

strip cropping 31, 44, 46, 55, 58, 62, 69, 127, 134, 181, 197-201, 204, 206, 218, 225, 252, 258, 276, 278, 318, 323, 327, 330, 346, 349, 359, 364, 369, 383, 388, 394, 409, 419, 428, 438, 449, 457, 459, 463, 465-466, 473, 490, 497, 535, 554-555, 564, 574, 582, 587, 602, 614, 620, 642, 645, 652-653, 669, 672, 679, 690, 696, 705

stubble mulching 93, 375, 405, 408, 419, 513, 526, 586, 595, 606, 646, 653, 679, 686

T

terraces 3, 27, 36, 45, 66, 127, 150, 175, 265, 345, 348, 368, 386, 402, 414, 427, 466, 572, 582, 585, 589, 599, 601, 606, 677

tissue analysis 17, 30, 58, 71, 113, 177, 188, 197, 288, 371, 400, 474, 521

traps 182, 190, 198, 274, 277, 371, 392, 497, 518, 521, 574, 695

V

vaccines-subtherapeutic 6, 169, 296, 338, 356, 427, 489, 501, 518, 558, 595, 674, 687, 692

vaccines-therapeutic 54, 69, 84, 254, 263, 292, 312, 344, 353, 674

W

weather monitoring 69, 106, 115, 150, 205, 297, 587, 599, 601

weed ecology 40, 48, 69, 81, 100, 134, 195, 218, 233, 250, 257, 307, 363, 376, 386, 449, 452, 524, 534, 565, 634, 665

weeder geese 5, 37, 51, 297, 314, 319, 466, 518, 656

windbreaks 1, 3, 37, 48, 55, 69, 83, 92, 100, 104, 119, 127, 133, 144, 153, 172, 197, 205, 257, 260, 327, 355, 373, 415, 421, 424, 427, 431, 437, 450, 518, 554, 579, 587, 601, 619, 634, 647, 660, 697

OTHER SUSTAINABLE AGRICULTURE DIRECTORIES

Following is a short list of other sustainable ag directories you might find useful. These are of broad scope and are either updated frequently or have been published very recently.

- **Directory of [Canadian] Organic Agriculture, 1991-92.**
  Description: Lists more than 1,500 international sources, including organic farmers, distributors, educational programs, organic fertilizer manufacturers, compost technology dealers, ecological garden designers, heritage seed foundations, and hardy plant nurseries.
  Publisher: Canadian Organic Growers Inc., Box 6408 Station J, Ottawa, Ontario K2A 3Y6. Phone (705) 444-0923; FAX (705) 444-0380. (Also publishes regional directories.)

- **The Directory for Small-Scale Agriculture, 1989.**
  Description: Individuals in USDA and landgrant universities with expertise in small-scale agriculture. 109 pp.
  Publisher: USDA Office for Small-Scale Agriculture, USDA/CSRS/SOPPS, 14th and Independence Ave. SW, Aerospace Building 342-D, Washington, DC 20251-2200

- **Healthy Harvest: A Global Directory of Sustainable Agriculture & Horticulture Organizations. (4th edition). 1992.**
  Description: Sustainable Agriculture and Horticulture Organi-zations. 194 p.
  Publisher: agAccess, 605 Fourth Street, Davis, CA 95616. Phone (916) 756-7177; FAX (916) 756-7188. (Healthy Harvest is published by agAccess in cooperation with the Healthy Harvest Society, a branch of the National Institute for Science, Law & Public Policy. The Society promotes production of pesticide-free food development of the sustainable agriculture network.) The Healthy Harvest Society, 1424 16th St. N.W., Suite 105, Washington, D.C. 20036

- **Humane Sustainable Agriculture Directory.**
  Description: [In process.]
  Publisher: Humane Sustainable Agriculture Program, Melanie Adcock, Humane Society of the U.S., 2100 L. St. N.W., Washing-ton, DC 20037. Phone (202) 452-1100.

- **The 1992 National Organic Directory and Yearbook (9th ed.).**
  Description: National listings of farmers, food wholesalers, farm suppliers, support businesses, certification groups, resource groups, publications. Summary of state organic laws. Federal organic legislation update, National Organic Standards Board, organic documentation/verification, and organic produce marketing guide. Indexed. 246 pp.
  Publisher: California Action Network (CAN), P.O. Box 464, Davis, CA 95617. Phone (916) 756-8518.

- **Planting the Future: A Resource Guide to Sustainable Agriculture in the Third World.**
  Description: Reports on groups and farming practices, organized by country; bibliography of published works by listed groups; list of audiovisuals; trends; appendices. Looseleaf notebook format. 309 p.
  Publisher: International Alliance for Sustainable Agriculture, 1701 University Ave. S.C., Minneapolis, MN 55414. Phone (612) 331-1099; FAX (612) 379-1527.

- **Sustainable Agriculture for California: A Guide to Information. 1991.**
  Description: Includes information contacts, sustainable agriculture organizations, essential topics — books and other materials, and Index of cited authors. Not limited to California. 198 pp.
  Publisher: UC Sustainable Agriculture Research/Education Program. Available from: Publications, Division of Agriculture and Natural Resources, University of California, 6701 San Pablo Avenue, Oakland, CA 94608-1239. Phone (510) 642-2431.

- **Sustainable Agriculture Organizations/ Publications List.**
  Description: Farmers networking organizations and nonprofit information providers for farmers, listed with periodical publications. Updated monthly. 25 pp.
  Publisher: Appropriate Technology Transfer for Rural Areas (ATTRA), P.O. Box 3657, Fayetteville, AR 72702. Phone (800) 346-9140.

- **Sustainable Agriculture Program Directory.**
  Description: Public and private organizations are listed under each state and in a national and international category, with brief description of mission or role in sustainable agriculture.
  Publisher: American Farmland Trust, Center for Agriculture and the Environment, P.O. Box 987, DeKalb, IL 60115. Phone (815) 753-9347.

NOMINATION FORM

(Please print or type)

NOMINATED BY _____
(person or organization)

PHONE ( ) _____

ADDRESS _____

_____

***

NAME _____

FARM/ORGANIZATION/BUSINESS NAME _____

PHONE ( ) _____

ADDRESS _____

_____

CHECK ALL THAT APPLY

- ☐ Farmer/Rancher
- ☐ Extension Worker
- ☐ Researcher
- ☐ Organization
- ☐ Government Agency
- ☐ Information Provider
- ☐ Supply/Service Provider
- ☐ Farm Advocacy & Support
- ☐ Other _____

***

NAME _____

FARM/ORGANIZATION/BUSINESS NAME _____

PHONE ( ) _____

ADDRESS _____

_____

CHECK ALL THAT APPLY

- ☐ Farmer/Rancher
- ☐ Extension Worker
- ☐ Researcher
- ☐ Organization
- ☐ Government Agency
- ☐ Information Provider
- ☐ Supply/Service Provider
- ☐ Farm Advocacy & Support
- ☐ Other _____

RETURN FORM TO:
SUSTAINABLE AG DIRECTORY OF EXPERTISE - ATTRA
P.O. BOX 3657
FAYETTEVILLE, AR 72702
(800)346-9140

CORRECTIONS AND UPDATE FORM

(Please print or type)

☐ I need to update my address, phone, FAX, etc.:

Name _____

Organization _____

Address _____

_____

_____

Telephone (home or office) ( ) _____

FAX ( ) _____

Electronic address _____

☐ I need to update my Directory entry:
(Appropriate forms will be sent to you)

- ☐ Agronomic/Horticultural Crops and Livestock
- ☐ Area of Expertise
- ☐ Products and Services
- ☐ Management Methods
- ☐ Other _____

_____

RETURN THIS FORM TO:
SUSTAINABLE AG DIRECTORY OF EXPERTISE — ATTRA
P.O. BOX 3657
FAYETTEVILLE, AR 72702
(800) 346-9140

ALASKA

REF.
1-4

ref #:1 Individual

Tom Lee
Alaska Real Food Company
Box 2771
Palmer AK 99645

Telephone: (907)279-7125
Preferred method of contact: Please contact me by mail.
Sust. Agric. Roles: part-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: organic production, permaculture, horticultural crop production-vegetables
Primary crop and livestock enterprises: greens (including salads), cole crops, herbs, root vegetables, tropical fruits
Description of Sustainable Agriculture work: I am a small farmer using organic principles to grow important vegetable and permaculture crops in the mountains of Alaska. I also teach and share information with others on self-reliance. My specialty is "green foods" such as wheat grass and leafy green foods, as these grow incredibly well on my farm and Alaskans really need these nutrients. I market these through stores in Alaska named the Enzyme Express (I am part owner), and work to develop greater vegetable production by Alaskan farmers and teach customers and interested people about improved health through green vegetables.
Land Description: The farm is located at 2,200 feet elevation in Alaska's Chugach Mountains. It can snow in July, and frost any month. Our season is short and intense. The amount of sunlight, combined with virtually unlimited water and extremely fertile "virgin" soil, makes for excellent growing and supernutritious crops.
Information resources available: No specific materials are available today. Health information is available through our store: Enzyme Express, 2604 Fairbanks St., Anchorage, AK 99503.

ref #:2 Individual

Anne Line Rochet
Alaskan Gatherings
2986 Gold Hill Road
Fairbanks AK 99709

Telephone: (907)479-0992
FAX: (907)474-9557
Preferred method of contact: I would prefer to be contacted by fax or mail. My phone is in my warehouse and I am often not there.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: organic production, marketing, information transfer/education
Primary crop and livestock enterprises: mushrooms, herbs, ornamentals, root vegetables, forestry
Description of Sustainable Agriculture work: I am a wildcrafter of medicinal herbs, forest products and wild edibles, all gathered with regard to ecological balance and sold through retail outlets in prepackaged forms all over the United States. Alaskan Gatherings is a wholesale and retail business specializing in wildcrafted organic medicinal herbs, forest products and wild edibles. All herbs and wild edibles are wildcrafted from unpolluted areas with regard to ecological balance. They are dried in shaded, well-ventilated areas or in a low-heat drier. They are gathered at appropriate times of the day under strict supervision, thus ensuring the highest quality. My goal is toward retail and to prepackaged all herbs and wild edibles.
Information resources available: brochures, pamphlets, catalog

ref #:3 Individual

David Sneed
PO Box 502
Haines AK 99827

Preferred method of contact: Contact me by mail.
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, horticultural crop production-fruits
Primary crop and livestock enterprises: vegetables, fruit crops, garlic and malting barley, agronomic crops, nonlegume forages, poultry, hogs, goats-dairy, goats-meat, sheep
Description of Sustainable Agriculture work: I am an organic food producer, developing, testing and utilizing techniques by which individuals and communities in the North Pacific Coast areas may provide the majority of their own food and clothing fiber.
Land Description: I have four farm sites with separate microclimates. One of the sites has 12-foot-deep ancient rotted peat with plentiful subirrigation. Another site has sandy loam soil. I use sprinkler irrigation on it.
Information resources available: I will answer all questions by mail that I am qualified to answer, and any that I can research. These include, but are not limited to: cold-climate gardening and farming; fruit production; organic control of pests, weeds and diseases; intentional communities based on sustainable ag; seed production; garlic, shallot and onion production; utilization of animals on a small homestead; composting, especially using products from the sea; barter systems; and alternative feeds for livestock.

ref #:4 Individual

Ellen VandeVisse
Good Earth Gardens & School
HC02 Box 7471-C
Palmer AK 99645

Telephone: (907)745-0758
Preferred method of contact: You may contact me by phone or preferably by letter at the above address and

phone, Alaska Time Zone.
Sust. Agric. Roles: full-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, nutrient management
Primary crop and livestock enterprises: vegetables
Description of Sustainable Agriculture work: I am an organic vegetable grower marketing through CSA and teaching organic gardening classes. I am constantly experimenting with organic growing & pest-management techniques that fit Alaska's cool soil temperatures and short season of long daylight hours. I market to CSA subscribers in Anchorage, AK. I instruct through the University of Alaska and through my own school on site.
Land Description: Garden plots surrounding rural house. Total tillage about ⅓ acre.
Information resources available: brochures, pamphlets

ref #:5 Organization

University of Alaska, CES
1514 South Cushman
Room 303
Fairbanks AK 99701-6285

Telephone: (907)452-1530
Contact people: Stuart R. Shippey, Michele Peep
Preferred method of contact: I prefer to be contacted by phone from 8-5 Alaska Time.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: insects, information transfer/education, horticultural crop production-vegetables
Primary crop and livestock enterprises: cole crops, tuber vegetables, greenhouse or nursery, agronomic crops, Christmas trees, poultry
Description of Sustainable Agriculture work: I am a general entomologist working with all forms of pests. I am responsible for addressing any and all pest problems (insect or plant disease) that a homeowner or commercial grower may have. I work with tree farmers, grass seed growers and commercial vegetable and fruit growers.
Information resources available: We have numerous printed materials on all aspects of farming.

ALABAMA

ref #:6 Individual

Alyce Birchenough
Sweet Home Farm
27107 Schoen Rd.
Elberta AL 36530

Telephone: (205)986-5663
Preferred method of contact: Contact me by telephone on Sunday or Monday, or by mail on other days.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: marketing, livestock production, cheesemaking
Primary crop and livestock enterprises: nonlegume forages, garlic, dairy cattle, beef cattle, goats-dairy, poultry, sheep
Description of Sustainable Agriculture work: We have a small farmstead cheese operation where we manage crops, livestock, manufacturing and marketing. As a small dairy farm, we raise permanent pasture and hay (bermudagrass) organically for our milking herd of 12 Guernsey cows and four Nubian goats. All concentrates are purchased. We also milk our own animals and process all the milk into 20 varieties of hard and soft cheese in our dairy plant. All products are sold retail at our farm store. Elephant garlic and cross-bred feeder beef cattle are raised for additional income.
Land Description: Our farm is 40 acres, with 28 acres of pasture and hay land, 2 acres of garden and homesite, and 10 acres of woodland.
Information resources available: brochures, pamphlets

ref #:7 Individual

Dennis Delaney
Alabama Cooperative Extension
PO Box 1904
ACES District I
Decatur AL 35602

Telephone: (205)353-8702
FAX: (205)353-8883
Preferred method of contact: Telephone me between 8 a.m. and 5 p.m. CST, or contact by mail.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, soil conservation
Primary crop and livestock enterprises: fiber crops, forage crops, legume forages, nonlegume forages, feedgrains, beef cattle
Description of Sustainable Agriculture work: I am an agronomist working with on-farm demonstration/research of broiler use, soil conservational tillage and forages.
Information resources available: brochures, pamphlets, bulletins, field days, meetings

ref #:8 Individual

REF.
6-9

Keith L. Edmisten
Alabama Cooperative Extension
Auburn University
111-A Extension Hall
Auburn AL 36849-5633

Telephone: (205)844-5487
FAX: (205)844-9022
Preferred method of contact: I prefer to be contacted via telephone during working hours CST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: cotton production, soil conservation
Primary crop and livestock enterprises: fiber crops
Description of Sustainable Agriculture work: I am an agronomist working with all aspects of cotton production, including fertilization with poultry litter, conservation tillage and crop monitoring. I am particularly interested in conservation tillage and fertilization with litter for cotton production. I am also interested in cotton monitoring techniques to assist in making decisions concerning in-season inputs.
Land Description: Our research sites are scattered throughout Alabama.
Information resources available: We have information available in all areas of cotton production, including conservation tillage, IPM, etc.

ref #:9 Individual

Carol Eichelberger
Tuscaloosa Com. Sup. Ag. Proj
Rt 1 Box 308-D
Coker AL 35452

Telephone: (205)333-8504
Contact people: Jean Mills
Preferred method of contact: I prefer to be contacted by telephone between 8 p.m. to 10 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher, community outreach
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, blueberries, cut flowers, cover crops, herbs, chicken, beekeeping
Description of Sustainable Agriculture work: I am one of two gardeners for the Tuscaloosa Community Supported Agriculture Project. We grow organic produce for approximately 90 households, which is distributed weekly for an 8-month period. We grow a wide variety of traditional vegetables and some non-traditional vegetables in our 3½-acre vegetable garden. We also grow blueberries and cut flowers, and we keep bees. We grow our own transplants in our greenhouse. With our pond water, we irrigate with drips, soakers and sprinklers,

depending on the crop. We grow on slightly raised beds and use white clover as a living mulch.
Land Description: Our 30 acres in west central Alabama is open and flat with a small slope on the north end. We have an 8½-acre pond on the east. We have a 3½-acre vegetable garden in the center, with an acre of blueberries and another acre of flowers and herbs toward the north. The rest of the land is pine groves and bahia grass. Our soil is slightly acid and ranges from sandy to red clay with a clay subsoil. The adjacent land is timber to the west and north, and pasture to the east and south.
Information resources available: We are willing to share experiences with other Southern organic growers and with those considering setting up a CSA.

ref #:10 Individual

Thomas H. Foster
Natl. Fert. & Env. Res. Ctr.
Tennessee Valley Authority
PO Box 1010
Muscle Shoals AL 35660

Telephone: (205)386-3560
FAX: (205)386-3560
Preferred method of contact: I prefer to be contacted via telephone at above number during the hours of 7:30 a.m.-4:15 p.m. CST.
Sust. Agric. Roles: gov't. policy development, Extension worker
Major Areas of Sust. Agric. Expertise: agricultural economics, information transfer/education, farm management
Description of Sustainable Agriculture work: I am an agricultural economist serving as a staff economist providing support for incorporating sustainable agriculture into fertilizer research programs and activities. As a staff economist, my work centers on encouraging incorporation of sustainable agriculture concepts into NFERC programs and on identifying opportunities for expanding the center's participation in sust. ag. research and education programs. I serve as a resource person on the subject both internally and externally — a program development consultant.

ref #:11 Individual

Michael S. Golden
Auburn University
School of Forestry
Auburn AL 36849

Telephone: (205)844-1069
FAX: (205)844-1084
Electronic address: golden@forestry.auburn.edu
Preferred method of contact: I prefer to be contacted via telephone at above number, during working hours CST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: timber management, soil conservation, water management
Primary crop and livestock enterprises: southern hardwoods, southern pines
Description of Sustainable Agriculture work: I am both a researcher and college teacher in silviculture and the management of forest ecosystems for goods and services. I also teach in the area of forest watershed conservation and management. I have conducted research on low-cost approaches to regenerate both southern pine and hardwood stands. My current research focuses on management of southern bottomland hardwood forests. I teach upper division university courses in silviculture and forest watershed management.
Land Description: Various forest sites in Alabama.

ref #:12 Individual

Bob Goodman
Auburn University
Dept. of Ag Econ. & Rur. Soc.
203 Comer Hall
Auburn AL 36849-5406

Telephone: (205)844-5633
Electronic address: wgoodman@acenet.auburn.edu
Preferred method of contact: Contact me by e-mail or by telephone from 8 a.m. to 4 p.m., Monday through Friday.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agricultural economics, information transfer/education, farm management
Primary crop and livestock enterprises: fiber crops, chicken, poultry
Description of Sustainable Agriculture work: I am an Extension economist working with animal production and cotton. I work in reduced-input and limited-tillage cotton production. I also work with environmental impacts of concentrated animal production systems.
Land Description: Alabama has ag experiment stations in all areas of the state. We also do research on farms.
Information resources available: We have available Extension information.

ref #:13 Individual

James E. Hairston
Auburn University
Agronomy & Soils Dept.
111 Extension Hall
Auburn AL 36849-5633

Telephone: (205)844-3973
FAX: (205)844-9650
Electronic address: ACENET/JHAIRSTO
Preferred method of contact: I prefer to be contacted by telephone during working hours CST.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: soil conservation, tillage, agronomic crop production
Description of Sustainable Agriculture work: I am an Extension agronomist in water quality education and was formerly a soil conservation research agronomist. I now coordinate water quality education efforts. I previously did research on tillage methods, soil conservation, soil erosion, soil degradation and productivity.

ref #:14 Individual

David G. Himelrick
Auburn University
Dept. of Horticulture
Auburn AL 36849-5408

Telephone: (205)844-3042
FAX: (205)844-3131
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables and fruits
Primary crop and livestock enterprises: fruit crops, small fruits, vine fruits, stone fruits, pome fruits
Description of Sustainable Agriculture work: I am a horticulturist researching sustainable and low-input practices for use in fruit and vegetable production systems. I am doing work on yard waste compost uses, living mulches, beneficial insect habitat enhancement, and soil solarization in fruit and vegetable production systems.
Information resources available: brochures, pamphlets, bulletins, factsheets, monographs, field days, meetings, workshops

ref #:15 Individual

John W. Jensen
Auburn University
Dept. of Fisheries
211 Swingle Hall
Auburn AL 36830

Telephone: (205)844-9211
FAX: (205)844-9208
Preferred method of contact: Contact me by telephone during working hours CST.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: aquaculture, fisheries mgmt., information transfer/education
Primary crop and livestock enterprises: fish, warmwater aquaculture, fisheries, cold-water aquaculture
Description of Sustainable Agriculture work: I am an aquaculture expert educating producers, processors and marketers concerning quality control and how to maximize production while minimizing inputs in order to improve profitability.
Information resources available: brochures, pamphlets, bulletins, factsheets, monographs, field days, meetings, public speakers

ref #:16 Individual

Jimmy J. Maddox
Natl. Fert. & Env. Res. Ctr.
Tennessee Valley Authority
PO Box 1010
Muscle Shoals AL 35660

Telephone: (205)386-3096
FAX: (205)386-2284
Contact people: Dr. Leslie L. Behrends, Dr. J.M. Soilian, Dr. Eugene Sample, Dr. Thomas H. Foster
Preferred method of contact: I prefer to be contacted by mail, or by telephone during working hours CST.
Sust. Agric. Roles: researcher, gov't. policy development
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil biology, pest management
Primary crop and livestock enterprises: oilseeds, small grains, agronomic crops, hogs
Description of Sustainable Agriculture work: I am a researcher looking for ways to improve the plant use of applied fertilizers. I am a plant physiologist who uses a team approach to investigate the effectiveness of fertilizers, fertilizer products and biological methods to increase the efficiency of crops to improve plant growth and nutrition. We research methods to reduce the losses of fertilizer nutrients due to volatization, leaching, denitrification and soil erosion. We research methods to increase the biological availability of nitrogen, phosphorus, potassium and micronutrients to crop plants.
Land Description: We are a network of research and development groups that form a composite team to address fertilizer and agriculturally related environmental issues.
Information resources available: We have technology transfer information from the center.

ref #:17 Individual

Paul L. Mask
Extension Hall
Auburn University
Auburn AL 36849

Telephone: (205)844-5490
FAX: (205)844-9022
Preferred method of contact: Contact me at my office at phone number listed above, or at my residence by calling (205) 826-7920.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, information transfer/education
Primary crop and livestock enterprises: feedgrains, small grains, sugar crops, specialty industrial crops, agronomic crops
Description of Sustainable Agriculture work: I am an Extension agronomist working with grain, silage and specialty and alternative crops.
Land Description: I do research in farmers' fields throughout the state of Alabama.
Information resources available: brochures, pamphlets, bulletins, factsheets, monographs, field days, meetings, video

ref #:18 Individual

Ken McNabb
Auburn University
School of Forestry
Auburn AL 36849-5418

Telephone: (205)844-1044
FAX: (205)844-1084
Preferred method of contact: Telephone preferred at

above number 8-5 CST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: tree nursery nutrition, tree nursery pest control, information transfer/education
Primary crop and livestock enterprises: nonfruit nursery, forestry, agroforestry, tropical plantations
Description of Sustainable Agriculture work: I am a forester researching nitrate and pesticide movement in forest tree nurseries. As an assistant professor of forestry on a 75% Extension and 25% research appointment, I am involved with both the production and transfer of forest management information. The movement of nitrogen fertilizer (nitrates) and pesticides through forest tree nursery soils is a specific area of interest. Information is disseminated through a regionwide nursery management cooperative coordinated by Auburn University.
Information resources available: newsletter

ref #:19 Individual

Jean Mills
Tuscaloosa Comm. Sup. Ag. Project
Rt 1 Box 308-D
Coker AL 35452

Telephone: (205)333-8504
Contact people: Carol Eichelberger
Preferred method of contact: I prefer to be contacted by telephone at (205) 333-8504, between 8 p.m.-10 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher, community outreach
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, blueberries, cut flowers, cover crops, herbs, chicken, beekeeping
Description of Sustainable Agriculture work: I am one of two gardeners for the Tuscaloosa Community Supported Agriculture project. We grow organic produce for approximately 90 households, distributed weekly for an 8-month period. We grow a wide variety of traditional vegetables and some non-traditional vegetables in our 3½-acre vegetable garden. We also grow blueberries and cut flowers, and we keep bees. We grow our own transplants in our greenhouse. With our pond water, we irrigate with drips, soakers and sprinklers, depending on the crop. We grow on slightly raised beds and use white clover as a living mulch.
Land Description: Our 30 acres in west central Alabama is open and flat with a small slope on the north end. We have an 8½-acre pond on the east. We have a 3½-acre vegetable garden in the center, with an acre of blueberries and another acre of flowers and herbs toward the north. The rest of the land is pine groves and bahia grass. Our soil is slightly acid and ranges from sandy to red clay with a clay subsoil. The adjacent land is timber to the west and north, and pasture to the east and south.
Information resources available: We are willing to share experiences with other Southern organic growers and with those considering setting up a CSA.

ref #:20 Individual

James L. Novak
Alabama Cooperative Extension
Dept. of Ag Econ. & Rural Soc.
Room 304, Comer Hall
Auburn AL 36849

Telephone: (205)844-4962
Electronic address: JNOVAK@ACBNET.AUBURN.EDU
Preferred method of contact: Contact me by telephone from 8 a.m. to 4 p.m. CST, or by e-mail.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agricultural economics, farm management, marketing
Primary crop and livestock enterprises: feedgrains, forage crops, small grains, oilseeds, fiber crops, beef cattle
Description of Sustainable Agriculture work: I am an agricultural economist conducting research and Extension activities in production economics of sustainable agriculture systems. I am involved with risk economics of row crop and forage-based rotational systems. Row crops in which I am involved are corn, sorghum, soybeans, small grains and cotton. I primarily use operations research and econometrics to analyze systems data provided by others. My publications have included analysis of Auburn's 93-year-old rotation.
Information resources available: I have bulletins and experiment station publications available on request.

ref #:21 Individual

C. Wesley Wood
Auburn University
Dept. of Agronomy and Soils
202 Funchess Hall
Auburn AL 36849-5412

Telephone: (205)844-3997
FAX: (205)844-3945
Preferred method of contact: I prefer to be contacted via telephone at above number during working hours CST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: nutrient management, soil management, soil biology
Primary crop and livestock enterprises: agronomic crops, feedgrains, fiber crops, cover crops, forestry
Description of Sustainable Agriculture work: I am a soil scientist researching the impacts of soil management on nutrient cycling and environmental contamination. As an Assistant Professor-Soil Fertility, my research is designed to optimize agronomic systems with respect to nutrient-use efficiency and environmental compatibility. Along that vein, I investigate nutrient management in manure and commercial-fertilizer-based systems. Cropping systems in which such investigations are made include corn, cotton, soybean, hay and pasture systems.
Land Description: My research is being conducted in all the major land resource areas of Alabama.
Information resources available: I have reprints of journal articles relating to various aspects of my research on sustainable agriculture.

ref #:22 Organization

Alabama Cooperative Extension
206 Animal & Dairy Sciences
Auburn AL 36849

Telephone: (205)844-1564
FAX: (205)844-1519
Electronic address: jvandyke@Auburn.edu
Contact people: Norwood J. VanDyke, wousley@Auburn.edu
Preferred method of contact: I prefer to be contacted by electronic mail at above address.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: livestock production
Primary crop and livestock enterprises: hogs, beef cattle
Description of Sustainable Agriculture work: I am an Extension animal scientist applying sustainable agriculture to low-investment outdoor swine production. Several other specialists and I have held in-service training for county agents and have packaged the concept in a folder for low-investment, outdoor swine production.
Information resources available: We have factsheets on outdoor small-scale swine production which can be mailed to various parties.

ref #:23 Organization

Auburn University
Dept. of Entomology
206 Extension Hall
Auburn AL 36849

Telephone: (205)844-6394
FAX: (205)844-9022
Contact people: Ron H. Smith
Preferred method of contact: Phone during hours of 7:45-4:45 CST.
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: insects, agronomic crop production
Primary crop and livestock enterprises: oilseeds, fiber crops
Description of Sustainable Agriculture work: IPM education on cotton and soybeans. Statewide coordinator of cotton and soybean IPM educational program — concentration in the insect management aspects.
Land Description: Insect management on river valleys and Coastal Plains soils
Information resources available: bulletins, factsheets, monographs, newsletter, field days, slides, workshops

ref #:24 Organization

Auburn University
Dept. of Agronomy and Soils
202 Funchess Hall
Auburn AL 36849

Telephone: (205)844-5489
FAX: (205)844-3945
Contact people: C.C. Mitchell, Dr. Keith L. Edmisten
Preferred method of contact: Contact me by telephone or fax during working hours CST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops
Description of Sustainable Agriculture work: Extension agronomist and researcher managing long-term agronomic research plots. I manage 16 long-term agronomic research experiments throughout Alabama which investigate cropping systems, rotations and, especially, soil fertility practices on sust. production of cotton, corn, soybeans, small grains and occasionally other crops. I am responsible for compiling and publishing data, soil test calibration research and transferring information throughout the Extension system. Some research plots were started in 1896.
Land Description: Sites are on all major soil associations of Alabama, including Gulf Coastal Plain, Piedmont, Appalachian Plateau, Limestone Valley and Upper Coastal Plain.
Information resources available: Reprints and research bulletins/circulars on long-term productivity and soils associated with sustainable research.

REF.
22-26

ref #:25 Organization

Auburn University
Ala. Co-op Ext Service
116 Extension Hall
Auburn AL 36849

Telephone: (205)844-5533
FAX: (205)844-9650
Contact people: Jesse LaPrade
Preferred method of contact: Contact by mail at the address shown.
Sust. Agric. Roles: Extension worker

ref #:26 Organization

Nat. Fert. & Env. Res. Cntr.
Tennessee Valley Authority
PO Box 1010
Muscle Shoals AL 35630

Telephone: (205)386-2601
FAX: (205)386-2284
Contact people: Dr. Ronald J. Williams, Dr. Thomas H. Foster
Preferred method of contact: Directory users should contact the center between 7:30 a.m. and 4:15 p.m. CST. Concerning our contact people, Williams is at (205)386-3552 and Foster is at (205)386-3560.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: soil management, nutrient management, information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops

Description of Sustainable Agriculture work: The Center has a multidisciplinary research staff addressing nutrient management problems and nutrient-related environmental problems, including fertilizer and agricultural chemical containment and waste management at basic production and retail sites. Fertilizer technology development and transfer has been the Center's focus for major efforts. The Center is a research and development institution focusing on fertilizer production, distribution and use technology with emphasis on nutrient management. Additionally, the Center has an active model site demonstration program to improve the environmental performance of retail fertilizer dealers through proper containment and handling, storm water management and waste management.
Information resources available: We have the major technical reference library on fertilizer production, distribution, and use technology available in the U.S. We provide lending as well as reference services.

ref #:27 Organization

SIFAT
RR 1 Box 14
Lineville AL 36266

Telephone: (205)396-2017
Contact people: John Muntz; Bob Stevens, Executive Secy.; Jim Moore, Aquaculture; Chris Whitsett, Agroforestry
Preferred method of contact: Contact me by mail, or by telephone from 8 a.m. to 5 p.m., Monday through Friday CST.
Sust. Agric. Roles: practical training, demonstrations
Major Areas of Sust. Agric. Expertise: information transfer/education, soil management, water management
Primary crop and livestock enterprises: vegetables, cover crops, fruit crops, pome fruits, small fruits, goats-dairy, chicken, rabbits, beekeeping, warm-water aquaculture
Description of Sustainable Agriculture work: SIFAT aims to train missionary and church-related development workers in an understanding of appropriate technology, which includes various methods of sustainable agriculture. The main thrust is not on agriculture as an autonomous activity, but on the overall development of a community by the promotion of appropriate technology. This involves consideration of systems of tenure, traditional norms/societal roles, non-monetary economics, preventive health, etc., so that agriculture is shown as a (possibly major) component of a multidimensional approach.
Land Description: The land is mainly red clay. It was exhausted by decades of sharecropping and then abandoned to clearcut woodland, mainly pine. It has suffered from erosion, so is most suitable as a site to demonstrate soil improvement technologies.
Information resources available: We hope to prepare standard factsheets on hydroram development currently undertaken here. As of now, we supply information as requested on appropriate technology in general, not just on agriculture.

ref #:28 Organization

USDA-ARS
National Soil Dynamics Lab.
PO Box 792
Auburn AL 36831-0791

Telephone: (205)844-3996
FAX: (205)844-3945
Contact people: Donald Wayne Reeves
Preferred method of contact: Telephone during work hours of 7:30 a.m. to 5:00 p.m. CST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: tillage, nutrient management, agronomic crop production
Primary crop and livestock enterprises: legume cover crops, feedgrains, non-oilseed legumes, fiber crops, small grains
Description of Sustainable Agriculture work: I am an agronomist researching improved soil management and cropping systems, especially those involving cover crops, rotations and conservation tillage techniques. I am a research agronomist for the USDA Agricultural Research Service. My primary research is aimed at developing improved cropping and soil management systems that sustain resources and are economically viable. I work with conservation tillage, winter legume cover crops, soil compaction and nitrogen management. Crops worked on include wheat, corn, cotton, soybean, sorghum and white lupin.
Land Description: Research sites are on various soil types at AL Agri. Exp. Sta. substations. This includes the TN Valley Appalachian Plateau and Coastal Plain physiographic regions. Most research is done on Coastal Plain soils.
Information resources available: We have information on research projects available as reprints in scientific journals, experiment station publications, newsletters and proceedings such as the Southern Regional Conservation Tillage Proceedings.

ARKANSAS

ref #:29 Individual

Randall H. Adams
Southern Arkansas University
Box 1197 SAU
Magnolia AR 71753

Telephone: (501)235-4344
FAX: (501)235-5005
Sust. Agric. Roles: teacher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, soil management, pest management
Primary crop and livestock enterprises: cover crops, legume cover crops, nonlegume cover crops, vegetables, okra, corn, peas, beans, cantaloupe
Description of Sustainable Agriculture work: I am a professor of plant sciences doing research and demonstrations in vegetable production using legumes, manures, compost and commercial fertilizers in a reduced tillage or no-till situation. I am growing sweet corn, okra, southern peas and beans using mostly no-till equipment and organic and inorganic fertilizers. Demonstrations are conducted on cooperators' farms to speed adoption. I sell most of the produce from my plots, and after yields are taken from cooperators' plots they sell their remaining produce.
Land Description: We have 20 to 30 acres on campus and access to several hundred on cooperators' farms.

ref #:30 Individual

Larry O. Ashlock
Univ. of Arkansas Monticello
Southeast Res. & Ext. Ctr.
PO Box 3508-UAM
Monticello AR 71656-3508

Telephone: (501)460-1091
FAX: (501)460-1415
Preferred method of contact: I can be reached at the office during working hours CST, or at home after working hours at (501)329-6830.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, nutrient management
Primary crop and livestock enterprises: oilseeds, feedgrains, small grains, fiber crops, forage crops, beef cattle, dairy cattle
Description of Sustainable Agriculture work: I am a research and Extension center director/agronomist who gives guidance to research and Extension efforts for cotton, rice, soybean, wheat, forage, tomato and beef production. My specialty is in the area of soybean production, especially the development of economically viable production systems. As a research/Extension agronomist, I am involved in research and Extension efforts for dryland production systems relating to early-season soybean production which utilizes very early-maturing varieties coupled to a very early planting date. In addition, I am involved in reduced tillage systems and irrigation scheduling research.
Land Description: I conduct forage and beef research on 300 acres of perennial forages in southeast Arkansas. I am researching row crops (cotton, soybean, rice, wheat, grain sorghum, sunflowers and canola) on 800 acres of silt loam and clay soil.
Information resources available: We have factsheets, computer programs, newsletters and slide presentations for soybean production including: variety selection aspects, tillage, fertility, weed control, soil-plant-water relationships, production systems by soil type, harvests and efficiency, effect of planting dates on yield and a host of other cultural practices.

ref #:31 Individual

Janet Bachmann
Rodale Institute
Rt 8 Box 406
Fayetteville AR 72701

Telephone: (501)443-9388
Preferred method of contact: I can be contacted by telephone between 7 a.m. and 9 p.m. CST, seven days a week, or at the address listed by mail.
Sust. Agric. Roles: information provider, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, small fruits, cover crops, feedgrains, agroforestry, chicken, beekeeping
Description of Sustainable Agriculture work: I coordinate the Rodale Institute's Mid-South Farmers Network, and try to manage small-scale organic vegetable, fruit and fowl production as recreation. As Farmers Network coordinator, I plan farm field days and winter workshops, and write articles and grant proposals. As a "homesteader," I maintain a home garden using organic methods. Areas of investigation for both roles are: use of cover crops for soil building, habitat enhancement for beneficial insects, cycling of animal and plant wastes through compost, and value-added processing and direct marketing.
Land Description: We live on a 127-acre farm which has 65 acres in upland hardwoods (Ozark hillside), pine and cedar. The remaining river bottomland is in pasture, bottomland hardwoods and about 1 acre intensely cultivated crops. The hillside is steep and rocky; the "bottom" varies from knolls to relatively level.
Information resources available: field days, meetings, slides

ref #:32 Individual

Ford Baldwin
University of Arkansas
Cooperative Extension Service
PO Box 391
Little Rock AR 72203

REF.
33-36

Telephone: (501)671-2001
FAX: (501)671-2251
Preferred method of contact: Telephone during working hours or by mail.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: weeds
Primary crop and livestock enterprises: agronomic crops
Description of Sustainable Agriculture work: I do research and Extension work on reduced-herbicides input programs. The University of Arkansas was the first to recommend in writing and in computer programs herbicides at rates as low as one-fourth those as the manufacturing labels suggest for soybeans. The program is being expanded to include other crops and herbicide rates much lower than the ¼X rate using land application. We have also expanded the program to include the allelopathic effects of cover crops.
Information resources available: We have both printed information and computer programs available on reduced-input weed management systems.

ref #:33 Individual

Alice E. Beetz
ATTRA
PO Box 3657
Fayetteville AR 72702

Telephone: (800)346-9140
FAX: (501)442-9842
Electronic address: ALICEB@NCATFYV.UARK.EDU
Preferred method of contact: I prefer to be contacted by phone or fax between 8 a.m. and 5 p.m. CST. Contact me by electronic mail anytime.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, livestock production, agronomic crop production
Primary crop and livestock enterprises: forage crops, mushrooms, beef cattle, cashmere goats
Description of Sustainable Agriculture work: I search popular and scientific literature for information requested through ATTRA in the areas of beef production and forages. I transfer information to farmers and ranchers with questions about forage management and controlled rotational grazing systems. I also find information related to sustainable beef production and the cultivation of gourmet mushrooms.
Information resources available: As a technical specialist at ATTRA, I research questions, write a letter which may include relevant enclosures, and send it to the individual who requested information. We have some general materials available about a variety of sustainable agriculture topics as well as materials about unusual crops and animals.

ref #:34 Individual

Sunny W. Bradshaw
Sunnyland Berry Farm
Rt 4 Box 222
Booneville AR 72927

Telephone: (501)675-3893
Preferred method of contact: By mail or telephone.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, farm management, marketing
Primary crop and livestock enterprises: small fruits, fruit crops, vine fruits, agroforestry, small grains, chicken, rabbits, warm-water aquaculture
Description of Sustainable Agriculture work: I am a small-fruits grower, using marginal hill land to grow-high quality and high-value fruit crops. I own and operate a 10-acre pick-your-own berry farm. I grow many different fruit crops: strawberries, blackberries, boysenberries, blueberries, peaches, grapes and vegetables on the side. I also have a you-catchem catfish operation. We till only the land we intend to plant and organic mulch is used with the plant material. All alleys are left in natural sod. We have done on-farm research in the past from trying different mulches and solar soil sterilization, and are presently trying to use chickens to control grass and insects in specified areas while not having large feed bills.
Land Description: All of our fields, with the exception of strawberries, are sloped. Therefore, we plant across the slope to help with erosion and ease of planting and harvesting.
Information resources available: We have printed brochures telling about the varieties of the fruit that we grow and a short description of each, along with a recipe section to show customers how they may use the fruits they pick or purchase.

ref #:35 Individual

Fee Busby
Winrock International
Rt 3
Morrilton AR 72110

Telephone: (501)727-5435
FAX: (501)727-5242
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, soil conservation, livestock production
Primary crop and livestock enterprises: forage crops, beef cattle, wildlife, sheep
Description of Sustainable Agriculture work: I am a rural development specialist providing a wide array of information to help farmers, farmer organizations, farmer support organizations and others develop and adopt more sustainable practices.
Information resources available: I have books, bulletins and proceedings.

ref #:36 Individual

Mark Cain
Dripping Springs Garden
Rt 4 Box 158
Huntsville AR 72740

Telephone: (501)545-3658
Preferred method of contact: I prefer to be contacted by mail but we can be reached by telephone (evenings) CST.

Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: organic production, cut flowers, permaculture
Primary crop and livestock enterprises: cut flowers, blueberries, garlic, drying flowers
Description of Sustainable Agriculture work: I am a market gardener using intensive raised-bed cropping techniques (organic) to produce vegetables, cut flowers and blueberries on a 5-acre scale. In addition to marketing our vegetables, flowers and berries at the local farmers market, we grow many staple crops for home consumption (including potatoes, small grains, rice, dry beans, corn, etc.) and are collecting yield information to share. Other interests include small-scale harvesting and threshing equipment (and techniques) for small grains and beans. We are also experimenting with growing annual market crops in our blueberry orchard.
Land Description: 40-acre land base with approximately 2 acres in mature highbush blueberries and 3 acres in contour-terraced raised beds on a gravelly silt-loam creek bottom slope.
Information resources available: internships

ref #:37 Individual

Steve Diver
ATTRA
PO Box 3657
Fayetteville AR 72702

Telephone: (501)442-9824
FAX: (501)442-9842
Electronic address: STEVED@NCATFYV.UARK.EDU

Preferred method of contact: I can be reached during working hours CST.
Sust. Agric. Roles: information provider, library research
Major Areas of Sust. Agric. Expertise: information transfer/education, horticultural crop production-vegetables, organic production
Primary crop and livestock enterprises: cover crops, vegetables, greenhouse vegetables, forestry, agronomic crops
Description of Sustainable Agriculture work: I am more or less a technical writer with library research interests that focus on collecting and summarizing the practical literature and scientific research on alternative crops and cropping systems. As a technical specialist at ATTRA, I research and write materials on cover crops and green manures, organic vegetable production (including field and greenhouse systems) and permaculture (including agroforestry, nursery production and tree crops). I also respond to questions on alternative methods and cropping systems (e.g., biodynamics, radionics, biological farming, foliar feeding) as well as alternative fertility sources and weed control strategies. Materials ATTRA puts together may include enclosures based on articles, USDA bulletins and book excerpts. These enclosures are the result of extensive library research and reflect state-of-the-art knowledge in sustainable agriculture.
Information resources available: ATTRA has put together Information Packages on about 50 topics. Staff also prepare written summaries on specific sustainable topics on request. These are accompanied by enclosures from selected sources. To find out more about ATTRA, ask for an ATTRA brochure. To find out the titles of ATTRA's Information Packages, Resource Lists and Summaries, ask for an ATTRA Materials List. Contact us at 1-800-246-9140.

REF.
37-39

ref #:38 Individual

Donna Doel
Rt 5 Box 354
Fayetteville AR 72701

Telephone: (501)442-0765

Preferred method of contact: I prefer to be contacted at the number above.
Sust. Agric. Roles: information provider, teacher
Major Areas of Sust. Agric. Expertise: soil management, composting, organic production
Primary crop and livestock enterprises: fiber crops, potatoes, cover crops, peanuts, dairy cattle
Description of Sustainable Agriculture work: I am a technical specialist with the ATTRA program with expertise in sustainable fertility management and organic waste management. I also have general information on sustainable, small-scale dairy production. As a technical specialist with a background in soil fertility for the ATTRA program, I am knowledgeable in the areas of organic soil fertility management. These include: soil organic matter maintenance, use of organic or natural soil amendments, composting, maximizing nutrient cycling and enhancing soil biological activity. I also work with municipal organic waste management technologies and information sources. I can provide literature resources and contacts.
Information resources available: I can provide information on sustainable soil fertility management practices. I may be able to provide or assist in developing workshops on the same topics. I have access to research literature, other experts and farmers working in soil fertility management areas.

ref #:39 Individual

Lance E. Gegner
ATTRA
PO Box 3657
Fayetteville AR 72702

Telephone: (800)346-9140
FAX: (501)442-9842
Electronic address: LANCEG@NCATFYV.UARK.EDU

Preferred method of contact: I prefer to be contacted by phone between 7 a.m. and 3:30 p.m. CST.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: livestock production, agronomic crop production, water management
Primary crop and livestock enterprises: oilseeds, fiber crops, specialty industrial crops, agronomic crops, hogs, exotic livestock, goats-meat, game birds, poultry
Description of Sustainable Agriculture work: I am a technical specialist working for ATTRA, researching and answering questions on all types of livestock, both traditional and alternative. I answer questions on convention-

al livestock production such as hogs, beef, veal and sheep, plus answer questions on deer, gamebirds, llamas, ostrich and exotic animals.
Information resources available: We answer questions on sustainable ag either phoned or mailed to ATTRA with prepared information packets for questions asked often, or with a tailored letter for questions asked less often.

ref #:40 Individual

James Gibbons
Gibbons Market Garden
Rt 3 Box 257
Ozark AR 72949

Telephone: (501)667-5056
Preferred method of contact: I prefer to be contacted via mail at the above address.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-fruits, horticultural crop production-vegetables
Primary crop and livestock enterprises: small fruits, vegetables, cover crops, small grains, agroforestry
Description of Sustainable Agriculture work: I am an agriculturist. As a market gardener, I grow certified organic blueberries, blackberries, asparagus, tomatoes and herbs. I market my produce through the Ozark Organic Growers Association or pick-your-own.
Land Description: My farm is a gently rolling, hillside farm.

ref #:41 Individual

B.J. Hankins
University of Arkansas
PO Box 391
Little Rock AR 72203

Telephone: (501)671-2161
FAX: (504)671-2251
Preferred method of contact: First choice — telephone. Second choice — mail.
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production
Primary crop and livestock enterprises: forage crops, agronomic crops, cover crops, legume cover crops
Description of Sustainable Agriculture work: I work with beef, dairy, sheep, goat and pleasure horse owners in helping to produce hay and forage crops in such a way as to supply adequate feed while protecting the environment and earning a profit. I conduct educational meetings and write educational publications dealing with forage crops and sorghum molasses.
Information resources available: 1. We have forage factsheets dealing with 35 different forage species. 2. We have slide sets dealing with bermudagrass and tall fescue. 3. I have six different personal presentations that I give at meetings where keynote or inspirational presentations are needed.

ref #:42 Individual

Jason E. Hudlow
815 Berry
Fayetteville AR 72701

Telephone: (501)444-0727
Preferred method of contact: I can be contacted at ATTRA 800-346-9140 during working hours CST. I may also be contacted at home (501) 444-0727 in the evenings or by writing me at 815 Berry St., Fayetteville, AR 72701.
Sust. Agric. Roles: information provider, gardener/"backyard" researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, agricultural economics, horticultural crop production-vegetables
Primary crop and livestock enterprises: greens (including salads), vegetables
Description of Sustainable Agriculture work: I work for the ATTRA program as an Information Specialist, and fiddle around on my own time with tools and techniques for market gardening, as well as ag policy issues. As an ATTRA Info Specialist, I wear several hats. My principal responsibility is technical writing for many subjects. I am also responsible for topic areas such as ag policy, market gardening, equipment, some specialty vegetable crops, season-extension techniques and some other areas. At home, I experiment with soil blocks for transplants, surface cultivation, season extension, variety trialing (lettuce) and basically anything which can increase efficiency in the garden. I also perform technical price analysis for commodities, and investigate commodity marketing strategies using futures contracts, options, cross-hedging, etc. I also read a good bit on current ag policy issues, particularly trade issues.
Land Description: My garden is across a 3- to 5-percent slope, with permanent beds and paths. The soil is an Enders silt loam, somewhat rocky, on a hillside "bench." I have good cold-air drainage into the valley below.
Information resources available: Most information I have is available through ATTRA (800-346-9140). Some topics may fall outside of ATTRA's mandate, but for these I am willing to consider conducting workshops, public speaking, etc. See ATTRA listing in this directory for further information on their services.

ref #:43 Individual

Joseph D. Long
Ark. Game & Fish Commission
1301 Birchwood
Jonesboro AR 72401

Telephone: (501)932-6888
FAX: (501)972-5834
Preferred method of contact: I prefer to be contacted by telephone from 8 a.m. to 4:30 p.m. CST.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: Govt. program assistance, wildlife, technical
Description of Sustainable Agriculture work: I am the Ag liaison for Arkansas Game & Fish working to encourage sound farming and wildlife management prac-

tices on agricultural lands. I provide information concerning federal and state conservation programs, and work with agricultural agencies and organizations to improve environmental conditions for wildlife and farming. As agricultural liaison, I work to encourage no-till, minimum-till and the planting of lay-out acres for cover to save soil, improve water quality and increase wildlife habitat. I work with ACP, ACR, CRP, WRP, FIB, WBP, WQIP, SIP and many state programs.
Information resources available: We have factsheets on direct seeding hardwoods (acorns) for restoration projects and information sheets available on conservation programs.

ref #:44 Individual

D.J. Makus
USDA-ARS
S. Central Fam. Farm Res. Ctr
Rt 2 Box 144-A
Booneville AR 72927-9214

Telephone: (501)675-3834
FAX: (501)675-2940
Contact people: Dr. Michael Brown
Preferred method of contact: Contact me by telephone or fax (if not in), during working hours CST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits
Primary crop and livestock enterprises: small fruits, greens (including salads), cole crops, cucurbits, vine fruits
Description of Sustainable Agriculture work: We are horticulturists developing alternative cropping systems for limited-resource farmers in cucurbitaceous and brassica crops. We have done research in low-input/no-till watermelons and brassica production in high-rainfall hilly lands of the upper Mid-South.
Land Description: Our research site is typical of the upper Mid-South — some hilly, erosion-prone land with a high water table. We have no rainfall in July, August and September. We have mid-continent climate and our soils are mineral, with very low P levels.
Information resources available: research articles, slides

ref #:45 Individual

David A. Malm
Foothold Farm
HCR 70 Box 592
Jasper AR 72641

Telephone: (501)861-5552
Preferred method of contact: I prefer to be contacted via telephone after 7 p.m. CST.
Sust. Agric. Roles: SARE grant advisor to farmers, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, co-op management
Primary crop and livestock enterprises: vegetables, cole crops, cucurbits, small fruits, cover crops
Description of Sustainable Agriculture work: I am an organic market-gardener who has received training in writing farmer-initiated proposals to the LISA/SARE program, and who is involved in management of an organic marketing cooperative. I own and operate a part-time, organic-certified market garden (Foothold Farm) on a marginal 20-acre piece of Ozark mountainside. I am marketing vegetables through the Ozark Organic Growers Association, and selling vegetables and raspberries through direct channels and farmers markets. I am a board officer and volunteer management-team member of OOGA. Recently I attended Dr. Carl Barfield's workshop at the University of Florida on the writing of farmer-initiated grant proposals for the SARE program of USDA. I am available for limited consultation with farmers in Arkansas or surrounding states.
Land Description: Our farm is located on a 20-acre north-facing slope upland site in the Ozarks. We have 5 acres cleared so far with the remainder wooded. Cleared areas include: vegetable — 1 acre on 2-10% slope; misc. Fruits — 3 acres on 2-20% slope; pasture — 1 acre on 5-20% slope.
Information resources available: I can copy materials which I received concerning SARE/LISA grant proposal guidelines and consult with individual farmers or farm groups concerning these guidelines, if requested and if my schedule permits.

ref #:46 Individual

Edward Martsolf
A Whole New Approach
RR 2 Box 211
Perryville AR 72126

Telephone: (501)889-2915
FAX: (501)889-2915
Preferred method of contact: Contact me anytime at my office or home.
Sust. Agric. Roles: Educator/farmer, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: information transfer/education, farm management, livestock production
Primary crop and livestock enterprises: legume cover crops, nonlegume forages, forage crops, sheep, beef cattle, hogs, goats-dairy
Description of Sustainable Agriculture work: I am doing contract education and consulting work in several areas. Additionally, I own and manage a sheep farm in western Pennsylvania. My two primary education/consultancy projects are with the Center for Holistic Resource Management (CHRM) and for the Hendrix Local Food Project. In addition to these projects, I do other contract work as the opportunity arises. For CHRM, my responsibility is to encourage the movement of their management philosophy eastward across the U.S. The CHRM management model emphasizes good goal-setting combined with sound biological and financial planning. It is particularly applicable to small farmers. At this point, I am the project coordinator for the Hendrix Local Food Project in Conway AR. This project has caused a local college to examine its food sources, change its institutional buying habits and create market opportunities for local farmers.
Information resources available: I have standard

brochures, a manual of operation, a textbook and a regular newsletter.

ref #:47 Individual

REF. 47-50

John Matthews
Full Circle Farm
PO Box 501
Jasper AR 72641

Telephone: (501)446-2171
FAX: (501)446-2171
Preferred method of contact: I prefer to be contacted by phone, 8 a.m. to 5 p.m. CST.
Sust. Agric. Roles: part-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, farm management
Primary crop and livestock enterprises: solanaceous vegetables, cole crops, cucurbits, cover crops, habitat for beneficials
Description of Sustainable Agriculture work: I am an organic farmer involved in OFP, policy development and rural economic development. My primary crops are tomatoes, broccoli and zucchini. I do on-farm research (sanctioned and otherwise) and have been more successful in establishing habitat for beneficial insects than in other areas. I also work in RED by doing grassroots organizing and organizational development. I am also active in agricultural policy development especially at the national level.
Land Description: Our farm is 60 acres in the high Boston Mountains (2,200 ft.). It includes 20 acres on top, 10 of which are tillable, giving 8 possible cropped acres in a long-rotation involving 4 acres of production in a given calendar year. The land is 2% sloped, and the soil is clay loam, Nella/Enders complex.
Information resources available: We refer all questions to ATTRA.

ref #:48 Individual

Teresa A. Maurer
ATTRA
PO Box 3657
Fayetteville AR 72702

Telephone: (501)442-9824
FAX: (501)442-9842
Electronic address: TERESAM@NCATFYV.UARK.EDU
Preferred method of contact: I prefer to be contacted by telephone during working hours or by letter. I may also be reached at home, (501)444-6075, at other times.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, weeds, livestock production
Primary crop and livestock enterprises: nonlegume forages, legume forages, cole crops, vegetables, agroforestry, goats-meat, sheep, beef cattle, chicken
Description of Sustainable Agriculture work: I am an ecologist providing information and research on ecological management of ranch and farm systems, with special interests in plant ecology, livestock-plant interactions, insect ecology, weed ecology and sustainable livestock production. I currently assist in managing a sustainable agriculture information service. My past experience and current interests include research, education and practical experience on ranches, farms and conservation areas in Oklahoma, Kansas and Oregon including brush and weed management using livestock, ecology of native plants, grasses and weeds in systems for grazing, perennial crop and vegetable production, and evaluation and decision-making for sustainable systems. I have experience in planning, conducting and speaking at workshops, field days and conferences on sustainable agriculture. I am an active organizer and supporter of regional sustainable agriculture efforts, especially in the South.
Information resources available: I have printed proceedings from regional workshops and conferences on sustainable agriculture and on-farm research. With one month or more of notice, I am available as a speaker or workshop participant on topics mentioned in previous questions. I am also happy to refer people to other speakers, farmers or organizations that can help them.

ref #:49 Individual

Henry A. Pearson
USDA-ARS
S. Central Fam. Farm Res. Ctr
Rt 2 Box 144 A
Booneville AR 72927-9214

Telephone: (501)675-3834
FAX: (501)675-2940
Preferred method of contact: I prefer contact thru mail system.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: range management, agroforestry
Primary crop and livestock enterprises: agroforestry, forage crops, beef cattle, wildlife, goats-meat
Description of Sustainable Agriculture work: I am a researcher in agroforestry. I conduct agroforestry research involving livestock, trees, forages, other crops, environmental impacts, and ecological and socio-economical relationships. Research results disseminated through journals, field tours and presentations.
Land Description: Our research site is located on interior highlands and coastal plains.
Information resources available: We have forest range and agroforestry publications that can be mailed on request.

ref #:50 Individual

Victor K. Ray
Land Stewardship Project
212 Linwood Court
Little Rock AR 72205

Telephone: (501)663-6533; home phone: (501)666-7357
FAX: (501)663-0657
Sust. Agric. Roles: farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education

Description of Sustainable Agriculture work: I am the co-founder of Land Stewardship Project and an LSP board member.

ref #:51 Individual

Keith Richards
Ozark Organic Growers Assn.
PO Box 1211
Fayetteville AR 72702

Telephone: (501)521-0206
FAX: (501)521-9100
Electronic address: EcoNet: "ozarkorganic"
Preferred method of contact: I can be contacted during working hours by phone, or after hours by mail, fax or electronic mail.
Sust. Agric. Roles: information transfer specialist, marketing
Major Areas of Sust. Agric. Expertise: marketing, organic production, production coordinator
Primary crop and livestock enterprises: vegetables, small fruits, mushrooms
Description of Sustainable Agriculture work: I am dedicated to gathering and disseminating information on making small organic farms economically sustainable. I am the educational services coordinator for the Ozark Organic Growers. I provide technical assistance and production coordination for the growers in this cooperative, as well as cooperative development support. Also, I oversee the marketing and promotion of almost 100 different organic products grown in the Ozarks and marketed nationwide.
Information resources available: brochures, pamphlets

ref #:52 Individual

Craig S. Rothrock
University of Arkansas
Department of Plant Pathology
PS 217
Fayetteville AR 72701

Telephone: (501)575-6687
FAX: (501)575-7601
Electronic address: CR24857@UAFSYSB
Preferred method of contact: I prefer to be contacted by telephone or fax during working hours CST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: diseases, soil biology, agronomic crop production
Primary crop and livestock enterprise: fiber crops, small grains, oilseeds, legume cover crops, nonlegume cover crops
Description of Sustainable Agriculture work: I am a plant pathologist researching the effects of sustainable agricultural practices, including cover crops, organic amendments and conservation tillage, on plant diseases. As a plant pathologist (University of Arkansas), I investigate primarily diseases of row crops including cotton, soybean, wheat and legume cover crops. Sustainable agricultural practices compared to conventional practices include winter cover crops, green and animal manures and conservation tillage. Results from the research are published in refereed scientific journals and experiment station publications.

ref #:53 Individual

REF.
51-54

Christine Rugen
ATTRA
PO Box 3657
Fayetteville AR 72702

Telephone: (800)346-9140
FAX: (501)442-9842
Electronic address: CHRISR@NCATFYV.UARK.EDU
Preferred method of contact: I prefer to be contacted via telephone at (800)346-9140 from 9 a.m. to 6 p.m. CST.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: pest management, information transfer/education, floriculture
Primary crop and livestock enterprises: cut flowers, greenhouse or nursery, ornamentals
Description of Sustainable Agriculture work: I am a senior technical specialist with the ATTRA program, and I have expertise in integrated pest management and sustainable production of ornamental crops—especially field-grown cut flowers. As a senior technical specialist with a background in integrated pest management, I am knowledgeable about the sustainable production of ornamental crops. I am involved with a growers' organization that focuses on the culture of specialty cut flowers, especially those that are field grown. I have spoken at several conferences on the topics of integrated pest management, weed management and organic cut flower production.
Information resources available: We have several forms of standard materials, including information packages, information summaries and resource lists. We also research and answer specific questions about sustainable agriculture.

ref #:54 Individual

Luane Schroeder
Ledge Rock Land Management
PO Box 125
Dogpatch AR 72648

Telephone: (501)446-5410
Preferred method of contact: I accept calls after 7 a.m. or before midnight CST. Please use answering machine to leave messages.
Sust. Agric. Roles: farmer/information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: permaculture, livestock production, information transfer/education
Primary crop and livestock enterprises: small grains, forage crops, legume forages, nonlegume forages, agroforestry, beef cattle, wildlife, goats-meat, sheep
Description of Sustainable Agriculture work: I am a livestock producer (cattle, goats, sheep) fine tuning a production system which has made my farm almost totally self-sufficient. I designed and implemented my own on-farm research program to validate the application of

very intensive grazing techniques on a cow/calf farm. This has resulted in a 100% reduction of production costs by extending the grazing season in NW Arkansas from 8 months to 12 months. I share the knowledge in lectures, workshops, field days and discussions as well as in popular press articles. I am extending my work into the goat and sheep business.

REF. 55-58

Land Description: My farm is in the Ozark Mountains of Arkansas, very rocky and rough. Over half of the farm is still timberland.

Information resources available: I can provide a copy of the grant report done in 1990 as well as copies of my newsletter (from 1989-1991) and articles written for Stockman Grass Farmer and Missouri Farm. Updated information will be available in the near future.

ref #:55 Individual

Tim Snell
Forestry Consultant
Rt 2 Box 76
West Fork AR 72774

Telephone: (501)839-8218
Sust. Agric. Roles: forestry/agroforestry, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: timber management, soil conservation, water management
Primary crop and livestock enterprises: forestry, agroforestry, nonfruit nursery, onions and related crops, wildlife, warm-water aquaculture, fisheries
Description of Sustainable Agriculture work: I am a forestry consultant working with individuals, foundations and institutions, designing and implementing sustainable forestry systems including agroforestry, low-input tree establishment, native tree nurseries and farm timber management. As a forestry consultant I establish and manage hardwood and pine forests primarily in the Ozarks bioregion. Services offered are: managing timber lands for all uses; reforestation/regeneration; grant technical writing; tree nursery management; agroforestry and windbreak systems; and workshops, seminars and field days.
Land Description: Small hill farm of my own. Work with landowners with total acres of 15,000+, all land types.
Information resources available: Read about some of my work in the Kerr Center for Sustainable Agriculture Newsletter.

ref #:56 Individual

Preston G. Sullivan
ATTRA
PO Box 3657
Fayetteville AR 72702

Telephone: (800)346-9140
FAX: (501)442-9842
Electronic address: PRESTONS@NCATFYV.UARK.EDU
Contact people: Christine Rugen, Steve Diver, Joe Schiller, Donna Doel
Preferred method of contact: Call by phone from 8 a.m. to 5 p.m., Monday through Friday.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, information transfer/education
Description of Sustainable Agriculture work: I am an information provider in agronomy and related fields for the ATTRA program. I gather and disseminate information on a variety of agronomic crops, cropping systems, cover crops, soil fertility, pest management and agricultural non-point pollution. My masters and doctorate research was on cover crops.
Information resources available: I send out printed materials to farmers and agriculture advisors across the nation. I also make oral presentations to various groups occasionally.

ref #:57 Individual

Donald E. Voth
University of Arkansas
A227
Dept of Ag Econ. & Rural Soc.
Fayetteville AR 72701

Telephone: (501)575-2409
FAX: (501)575-7273
Contact people: J.C. Headly, Dept. Head; L.B. Daniels, Assoc. Dir.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: attitudes/values, participatory research, information transfer/education
Description of Sustainable Agriculture work: I am a rural sociologist concerned about the human and social organizational aspect of sustainable agriculture. I have organized professional and other seminars on sustainable agriculture and participatory research. I work with communities in sustainable community development, and have designed and evaluated major sustainable ag projects overseas.

ref #:58 Individual

Gordon Watkins
HCR 72 Box 34
Parthenon AR 72666

Telephone: (501)446-5783
Preferred method of contact: Contact me by phone between 7:30 a.m. and 8 p.m. CST, or by mail with SASE.
Sust. Agric. Roles: full-time farmer/rancher, community organizer
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-fruits, information transfer/education
Primary crop and livestock enterprises: small fruits
Description of Sustainable Agriculture work: I am an organic blueberry grower who is also working with other growers in the Ozark bioregion to perfect an integrated system of cooperative marketing, financing and technical assistance. Our organic blueberries (certified since 1980) are shipped nationwide through the Ozark Organic Growers Association during June and July. We helped organize a local marketing co-op, a technical

assistance co-op and a community loan fund to improve the viability of our own and other local farms. We share info through personal visits and correspondence, and we have written materials available for a small fee on the technical aspects of organic blueberry production.
Land Description: Our farm has Ozark mountain clay/loam and silt/loam soils, ranging from river bottom to upland soils. Most are mineral soils with generally low (1-2%) natural organic matter.
Information resources available: We have descriptive brochures and recipes free with SASE, and articles on organic blueberry production, fertility management and weed control for $3.00 each with SASE.

ref #:59 Individual

Christine Weiss
Happy Earth Creative Comm.
PO Box 211
Shirley AR 72153

Telephone: (501)723-4322
FAX: (501)723-8366
Electronic address: Phone for instructions
Contact people: Daniel Weiss
Preferred method of contact: Contact me at my home/office phone from 8 a.m. to 8 p.m. seven days a week.
Sust. Agric. Roles: media relations & publicity, information provider
Major Areas of Sust. Agric. Expertise: Getting media coverage for SA projects, writing/editing "reader-friendly" copy. Show others how to get media coverage.
Description of Sustainable Agriculture work: Because we recognize agriculture as the base upon which all other commerce grows and key to a healthy environment, we work with clients to build a broad base of public support for programs, projects and events that encourage sustainable practices. Our work is communication. This takes the form of writing and distributing news releases, writing and editing "reader-friendly" copy for promotional and instructional materials, promotional campaign, program and event strategy, confirming radio and TV interview time, producing public service announcements, distributing direct-mail to target audiences and facilitating workshops which instruct others how to do these things for their own organization.
Information resources available: Happy Earth "Get the Word Out" workshops offer hands-on experience with writing a news release and structuring a promotional campaign. Our newsletter is a digest of environmental, economic and social enhancement action plans sponsored by unrelated groups. Also, we currently publish four EduInfoPapers: "Marketing Community Enhancement Projects," "The New Greenhouse: A Primer," "A History of Commercial Hemp Production," & "Wetlands: What's the Controversy All About?"

ref #:60 Individual

Larry Williams
Linn Hill Farm
Rt 1 Box 51
Bee Branch AR 72013

Telephone: (501)654-8860
FAX: (501)825-7037
Preferred method of contact: Contact me by telephone any time.
Sust. Agric. Roles: farm advocacy and support, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: organizational development & management, information transfer/education, organic production
Primary crop and livestock enterprises: cover crops, vegetables, small fruits
Description of Sustainable Agriculture work: I work at a wide variety of organizational development and management areas, including training, fundraising, planning, program development and project management. I have planned and managed newsletters, conferences, education, training and other projects including organic farm certification and farmers market coupon/nutrition program. In addition I am three years into a five-year farm development project (our family), have recently started an organic/biological supply business, and am apprenticing to manage a medium-sized blueberry operation.
Land Description: Our farm is 37 acres, with 6 acres cultivated, 10 acres in pasture, 21 acres of mixed forest, two ponds, and two wells for irrigation. It was used for limited grazing only from 1960-1989. We are concentrating on infrastructure development and soil building, using green manures and limited organic horticulture.
Information resources available: We have a variety of information resources, including a limited video cassette library. We also provide speakers and facilitate/organize meetings, workshops and conferences with a focus on organizational development and team building.

ref #:61 Individual

Holly Winger
ATTRA
PO Box 3657
Fayetteville AR 72701

Telephone: (800)346-9140
FAX: (501)442-9842
Electronic address: hollyw@ncatfyv.uark.edu
Preferred method of contact: Contact by phone, fax, or writing is best at work. Can also contact at home at 900 N. Leverett, #403, Fayetteville AR 72701; ph./message: (501)521-8131.
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: information transfer/education, permaculture, organic production
Primary crop and livestock enterprises: agronomic crops, herbs, vegetables, poultry
Description of Sustainable Agriculture work: I am an individual working from a multidisciplinary background in alternative energy, the environment and sustainable agriculture to contribute to the exploration and understanding of ecologically sound food production systems. I work currently as an Information Specialist for the ATTRA program. My primary work at ATTRA is as a writer of technical summaries of information on sustainable agriculture methods, approaches and philosophy which can be used as introductions to topics in sustainable ag. My background includes research and study of

sustainable agricultural systems as an intern at The Land Institute and work developing sustainable agriculture education and demonstration programs at The Kerr Center for Sustainable Agriculture. Specific project experiences and skills include conference organizing, co-organizing a farmers market, newsletter editing & production, grant/report writing, demonstration gardening and intern program/curriculum development.

REF. 62-64

Information resources available: I offer skills and services in writing, project planning and systems analysis.

ref #:62 Organization

Ames' Orchard and Nursery
Rt 5 Box 194-F
Fayetteville AR 72701

Telephone: (501)443-0282
Contact people: Guy Ames
Preferred method of contact: Contact me by phone from 8 a.m. to 8 p.m. CST, or if in writing, include stamped, self-addressed envelope.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, insects, diseases
Primary crop and livestock enterprises: fruit nursery stock, fruit crops, pome fruits, small fruits, stone fruits
Description of Sustainable Agriculture work: Our nursery specializes in disease-resistant varieties of fruit plants for organic and low-spray home and commercial growers. In our nursery, we are always searching for varieties — old and new — which are the least reliant on pesticides for disease and insect control. Additionally, in our own orchards, we are always experimenting with techniques — such as pheromone disruptions, biological controls, spray timings, etc. — that will help us further reduce pesticide use. Our catalog tries to be as informative as possible in helping other growers accomplish the same.
Land Description: Our farm consists of two sites at present. One site is 27 acres, on which we have 1½ acres of nursery, 3 acres of fruit trees and ¾ acre of berries. The remainder is pasture and woodland. The second site is 87 acres, with 3 acres of fruit trees. The remainder is pasture and woodland.
Information resources available: Our catalog provides honest descriptions of the disease resistance/susceptibility of various varieties. We sell books for growers on low-spray and organic fruit production. We provide face-to-face, telephone and written information on fruit growing free to our customers. We conduct workshops and speak to groups on many aspects of fruit growing.

ref #:63 Organization

Ark./Okla. Sust. Ag Network
PO Box 211
Shirley AR 72153

Telephone: (501)723-4322
Contact people: Christine Weiss, Larry Williams (501) 654-8860, Luane Schroeder (501)446-5410
Preferred method of contact: We prefer to be contacted by telephone between 8 a.m. and 8 p.m. CST.
Sust. Agric. Roles: network orgs, frms, indv., information provider
Major Areas of Sust. Agric. Expertise: network experts
Description of Sustainable Agriculture work: The AOSA Network links farmers, consumers and organizations to encourage farming practices that are economically, environmentally and socially sustainable. The AOSA network is working to facilitate the formation of a "farmer-directed, farmer-governed" educational/research/applications group. We are active in the Southern Sustainable Agriculture working group's Farmer First program; are sponsoring the Arkansas Farmers Market Coupon Program; publish a newsletter; and hold an annual educational conference.
Information resources available: We have access to speakers/workshop facilitators in every area of sustainable ag, including horticulture, forestry, livestock production, soil management, fertility, forage, selective breeding, marketing and promotional outreach.

ref #:64 Organization

ATTRA
PO Box 3657
Fayetteville AR 72701

Telephone: (800)346-9140
FAX: (501)442-9842
Electronic address: JIML@NCATFYV.UARK.EDU
Contact people: Jim Lukens, Teresa A. Maurer, Christine Rugen, Alice E. Beetz
Preferred method of contact: Contact by telephone, mail or electronic mail. Telephone hours are business hours (Central time zone) on weekdays.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: pest management, soil management, livestock production
Primary crop and livestock enterprises: agronomic crops, fruit crops, vegetables, cover crops, forage crops, dairy cattle, hogs, poultry, sheep, warm-water aquaculture
Description of Sustainable Agriculture work: ATTRA (Appropriate Technology Transfer for Rural Areas) is a free sustainable agriculture information service operated by a private nonprofit organization, the National Center for Appropriate Technology, under a grant from the U.S. Fish and Wildlife Service, Department of the Interior. ATTRA promotes the adoption and practice of environmentally sound, sustainable agriculture by providing reliable and practical technical information about commercial agricultural production and marketing to American farmers and those who supply information to them. Requests for information can be made in writing or by calling 1-800-346-9140. Each request is handled by a specialist who reviews literature, searches databases and contacts farmers, researchers and others with experience or knowledge related to the request. Written responses summarize current information and may include articles, resource lists and names of others who have expertise on the question.
Information resources available: ATTRA focuses on answering specific questions about sustainable agricul-

ture. Our technical staff will research questions & summarize findings in a personal letter to the questioner. In addition to providing customized research, we offer three types of standard materials: Information Packages, Summaries and Resource Lists. We publish a quarterly newsletter to keep users informed of changes in the program and the availability of new standard materials.

ref #:65 Organization

Maestro-Gro
PO Box 6670
Springdale AR 72766-6670

Telephone: (501)361-9155
Contact people: Gary D. DeMasters
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: organic production, nutrient management, information transfer/education
Description of Sustainable Agriculture work: I am a manufacturer of organic/natural plant food products. As a company we have researched and studied extensively all types of ingredients and amendments that work best in harmony with nature.
Information resources available: We provide basic and technical information based on studies and practical applications through end-users.

ref #:66 Organization

Meadowcreek
PO Box 100
Fox AR 72051

Telephone: (501)363-4500
FAX: (501)363-4578
Contact people: Megan Hughes, Luke Elliot (Director)
Preferred method of contact: Call from 8:30 a.m. to noon or 1 p.m. to 5 p.m. CST, Monday through Friday.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production
Primary crop and livestock enterprises: vegetables, mushrooms, fruit crops, cover crops, herbs
Description of Sustainable Agriculture work: We are a nonprofit environmental education organization working in the areas of energy and agriculture. We are experimenting with ideas and systems for low-input, organic, small-scale gardening. We have developed a terrace system of raised beds in an area of extremely poor soil and are improving our gardening areas through the use of compost, green manures and mulch. We are working on pest management by encouraging beneficials through the use of native plants and other attractants. We also work with season extension, seed saving and erosion control. We offer workshops, tours, internships, Elder Hostels and other camps.
Land Description: The main plantings are on a variably sloping hillside of sandy clay loam. It is very rocky (8% to 45% slope). Other farmable locations are river bottom with sandy loam. Most of the 1,500 acres is wooded. Farmable acreage is approximately 40 acres.
Information resources available: We have factsheets on shiitake mushroom production and photovoltaic/solar-powered water pumps.

ref #:67 Organization

Ozark Organic Growers Assn.
PO Box 1211
Fayetteville AR 72702

REF. 65-68

Telephone: (501)521-0206
FAX: (501)521-9100
Electronic address: ECONET "Ozarkorganic
Contact people: Keith Richards
Preferred method of contact: We can be contacted during normal business hours by phone, or anytime by mail, fax or e-mail.
Sust. Agric. Roles: organic marketing cooperative, rural economic empowerment
Major Areas of Sust. Agric. Expertise: marketing, organic production, production coordination
Primary crop and livestock enterprises: vegetables, fruit crops, mushrooms, beef cattle, sheep, hogs
Description of Sustainable Agriculture work: OOGA's mission is to foster rural economic development in the Ozarks by providing cooperative marketing and other support services to farmers who have demonstrated a commitment to practices which provide safe food and benefit the environment. OOGA provides sales, marketing, transportation, storage, production coordination, technical assistance, organic certification assistance and promotional services to its member farmers. We have a primary commitment to our members, but are willing to share information with others to further organic agriculture in general.
Information resources available: brochures, pamphlets, field days, workshops

ref #:68 Organization

Ozark Small Farm Viability Project
PO Box 99
Mt. Judea AR 72655

Telephone: (501)434-5594
Contact people: David Haenn, Susan Watkins, Eric Ardapple-Kindberg
Preferred method of contact: My telephone answering machine is almost always on. I can also be contacted by mail.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education
Primary crop and livestock enterprises: cover crops, forage crops, forestry, vegetables, mushrooms, beef cattle, chicken, dairy cattle, goats-meat, hogs
Description of Sustainable Agriculture work: Ozark Small Farm Viability Project is the information and education arm of a unified approach to developing sustainable agriculture in the Ozarks mountain region. Our associate organizations are: Ozark Organic Growers' Association (marketing organic products) and Funding Ozarks Rural Growth and Economy (an agricultural community loan fund). Ozark Small Farm Viability Project runs an organic certification program, and provides

information through publications, workshops and field days to assist organic and transitional farmers in profitable organic production. Our technical newsletter, Farmer-to-Farmer, contains articles of interest to Ozark organic farmers, as well as acting as a public advocacy forum to inform farmers of the progress of the National Organic Standards Board in implementing the Organic Foods Production Act of 1990.
Information resources available: We support The Small Farm Information Collection, which is housed at North Arkansas Regional Library in Harrison, Ark. We hold field days and workshops on organic production practices and provide factsheets and pamphlets generated by on-farm research. Our newsletter, Farmer-to-Farmer, is available for $15.00 subscription.

ref #:69 Organization

Singing Stone Enterprises
Rt 1 Box 63
Winslow AR 72959

Telephone: (501)634-7212
FAX: (501)634-7213
Electronic address: barth@ncatfyv.uark.edu
Contact people: Bart Hall-Beyer, Margit Kaltenekker
Preferred method of contact: We prefer to be contacted via telephone or between 6:45 a.m. and 9 p.m. Central Time.
Sust. Agric. Roles: consulting, organic certification inspection
Major Areas of Sust. Agric. Expertise: organic production, soil management, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, fruit crops, cover crops, forage crops, agronomic crops, beef cattle, sheep, dairy cattle, hogs
Description of Sustainable Agriculture work: Both principals have extensive vegetable production experience (25 acres) as part of larger diversified farming systems. Much of our work has been with sustainable system design in a variety of climates. We are able to help clients plan the transition to certified organic status and are licensed inspectors with the three leading certification programs. Our work is primarily in North, Central and South America, and our services are available in Spanish, French and Portuguese, in addition to English.
Information resources available: We have several brochures, factsheets and monographs. We are available to speak to a wide variety of groups on various topics, and offer workshops and courses on organic transition, sustainable vegetable production, holistic resource management and generating solar wealth.

ref #:70 Organization

USDA-Soil Conservation Service
Room 110 Federal Building
410 N. Walnut
Harrison AR 72601

Telephone: (501)741-8600
FAX: (501)741-9332
Contact people: Jerry Mitchell
Preferred method of contact: Contact me via telephone at above number during business hours 8:00-4:30 CST, M-F, or written correspondence.
Sust. Agric. Roles: technical assistance, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, soil conservation
Primary crop and livestock enterprises: agronomic crops, forage crops, forestry, cover crops, vegetables, poultry, beef cattle, dairy cattle, warm-water aquaculture
Description of Sustainable Agriculture work: The agency's mission is to plan and carry out a national program to conserve and develop our soil and water resources. As a technical assistance agency, we provide landuser assistance with planning and implementing conservation practices that meet the landuser's objectives while at the same time taking into account the proper management use of the soil, water, air, and plant and animal resources.
Information resources available: We have various factsheets and job sheets for "walk in" clients or for mailing. These materials cover many topics, i.e., from Grazing/Forage Management, to Conservation Tillage Methods, to Composting, to Cover/Green-Manure Crops.

ARIZONA

ref #:71 Individual

Lee J. Clark
University of Arizona
Safford Agri. Ctr.
PO Box 1015
Safford AZ 85548

Telephone: (602)428-2432
FAX: (602)428-7023
Preferred method of contact: Contact me by phone, fax or mail.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: water management, agronomic crop production, pest management
Primary crop and livestock enterprises: fiber crops, legume forages, small grains, feedgrains, oilseeds
Description of Sustainable Agriculture work: I am an agronomist with experience in varietal evaluations, IPM and water management. My practical years of experience have been divided between California, Arizona and Venezuela. I am director of an experiment station and am constantly evaluating alternative crops, varieties of commonly grown crops, management systems and irrigation applications. I also serve as an area Extension agent; technology is shared through on-farm demonstrations.
Land Description: As director of an experiment station, I coordinate the research on our 65-acre facility. As an area Extension agent, I interface with farmers in the southeast corner of Arizona. This three-county area contains 6,900 acres of field crops.
Information resources available: Our research results are published in the University of Arizona College of Agriculture's annual reports on cotton, forage and grains.

ref #:72 Individual

Fred Harper
Arizona Cooperative Extension
4341 E Broadway
Phoenix AZ 85282

Telephone: (602)255-4456
FAX: (602)255-4540
Preferred method of contact: I would prefer being contacted via phone at above number during working hours, Mtn. Time Zone. In summer AZ stays on standard time, best time to call is 7-8 a.m.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, soil management, pest management
Primary crop and livestock enterprises: cole crops, cucurbits, herbs, solanaceous vegetables, legume vegetables
Description of Sustainable Agriculture work: I am a horticulturist demonstrating various practices involved in implementing a sustainable production system for vegetables on arid land conditions. As an Ext. agent I have implemented a sust. prod. system for growing vegetables in southern AZ. This sust. production is being compared to conventional production systems used by most growers in the area. Crops in the rotation are major crops grown in the area including broccoli and cantaloupe and a summer legume cover crop. I am also distributing beneficial insects with several organic and conventional growers and comparing the effectiveness of biological methods to conventional sprays as a pest mgmt. program. I'm also providing cover crop seeds. I have been utilizing reduced tillage techniques as part of the system.
Land Description: I have 20 acres on a site in Litchfield which is furrow irrigated. There are two soil types on the site.

ref #:73 Individual

I.J. Misaghi
University of Arizona
Dept. of Plant Pathology
Tucson AZ 85721

Telephone: (602)621-7156
FAX: (602)621-9290
Preferred method of contact: Telephone me during working hours of 9 a.m. to 6 p.m. CST.
Sust. Agric. Roles: researcher
Major Areas of Sust. Agric. Expertise: pest management, diseases
Primary crop and livestock enterprises: agronomic crops
Description of Sustainable Agriculture work: I conduct research in biocontrol.

ref #:74 Individual

M.E. Stanghellini
University of Arizona
Tucson AZ 85721

Telephone: (602)621-7163
FAX: (602)621-9290
Preferred method of contact: Telephone me at above number, working hours PST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, pest management, water management
Primary crop and livestock enterprises: vegetables, cucurbits, greens (including salads), solanaceous vegetables, root vegetables
Description of Sustainable Agriculture work: I am involved with cultural and biological control of root diseases. My research concerns vegetables (lettuce, cucumbers, pepper) and root pathogens (Pythium, Rhizoctonia, Macrophomina, Phytophthora).
Information resources available: We have publications in journals.

ref #:75 Individual

REF.
75-79

Fred S. Wood
Western Chemical Co.
Research Labs
6228 W. Desert Hills Dr.
Glendale AZ 85304

Telephone: (602)878-4751
FAX: (602)486-1570
Contact people: Karen Wood (602)878-6787
Preferred method of contact: I prefer to be contacted via telephone at the above number — daytime, or write at the address above.
Sust. Agric. Roles: agricultural consultant, non-toxic ag consultant
Major Areas of Sust. Agric. Expertise: soil management, pest management, organic production
Primary crop and livestock enterprises: agronomic crops, cover crops, Christmas trees, fruit crops, vegetables
Description of Sustainable Agriculture work: I research and teach as a private consultant "biological and non-toxic" farming. As a private agricultural consultant, I promote "biological and non-toxic" and "organic" production, and supply products to meet these goals.
Land Description: Our 64-acre research site is on-farm and intended to test alternative growing techniques and crops, plus new holistic materials.
Information resources available: books, bulletins, newsletter, conventions, meetings, video

ref #:76 Organization

BioFlora Inc.
16121 W. Trocar Ave.
Goodyear AZ 85338

Telephone: (800)872-2461
FAX: (602)925-0506
Contact people: Michael Lindsey, Dennis Cash, Bill Thomas
Preferred method of contact: Telephone us during working hours MST.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, soil management, organic production
Primary crop and livestock enterprises: vegetables, vine fruits, fiber crops, ornamentals, forage crops
Description of Sustainable Agriculture work: We offer customized soil amendments, nutrient complexing agents and organic fertilizer blends — all in a liquid form. We are involved in all aspects of organic nutrition from a liquid point of view. We have worked with nearly every crop that is grown in the western U.S. We are currently involved with organic cotton, both white and colored.
Information resources available: labels

ref #:77 Organization

Native Seeds/SEARCH
2509 N. Campbell #325
Tucson AZ 85719

Telephone: (602)327-9123
Contact people: Kevin Dahl; Mahina Drees, Director; Gary Nabhan, Research Director
Preferred method of contact: Write us at above address.
Major Areas of Sust. Agric. Expertise: seeds
Primary crop and livestock enterprises: cucurbits, greens (including salads), herbs, legume vegetables, solanaceous vegetables
Description of Sustainable Agriculture work: Native Seeds/SEARCH works to preserve the seeds of crops grown by Native Americans and the sustainable agricultural systems they've used in this region.
Land Description: We are not currently land based, but expect within a year to purchase a farm.
Information resources available: brochures, pamphlets, newsletter, catalog, video, workshops

ref #:78 Organization

University of Arizona
1109 E. Helen Street
Tucson AZ 85719

Telephone: (602)621-4012
FAX: (602)621-4013
Contact people: Paul Baker
Preferred method of contact: I prefer to be contacted by phone during working hours MST.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: insects, pest management, pesticides
Description of Sustainable Agriculture work: I am an entomologist responsible for pesticide education statewide. Our continuing education program centers on sustainable agriculture.
Information resources available: video

ref #:79 Organization

University of Arizona
School of Renewable Natural Resources
301 Biological Sciences East
Tucson AZ 85721

Telephone: (602)621-1384
Contact people: George Ruyle, Phil Ogden, Lamar Smith, Bruce Roundy, Mitch McClaran
Preferred method of contact: I prefer to be contacted by telephone between 8 a.m. and 5 p.m. MST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: rangeland management, livestock production, soil management
Primary crop and livestock enterprises: beef cattle, wildlife
Description of Sustainable Agriculture work: Our

organization provides educational programming and research in the sustainable management of rangeland resources. As rangeland ecologists and managers, we provide technical assistance and research information focused on plant and animal production systems and natural systems on rangelands. Our expertise includes grazing management, wildlife livestock interactions, vegetation analysis, ecosystem restoration and public policy implications.

Land Description: The Santa Rita Experimental Range, 50 km south of Tucson, AZ, is 5,000 acres of semi-desert grassland used for range management research.

Information resources available: brochures, pamphlets, bulletins, lending library, field days, workshops

ref #:80 Organization

USDA-ARS
Western Cotton Research Lab.
4135 E. Broadway Road
Phoenix AZ 85040

Telephone: (602)379-3524
FAX: (602)379-4509
Contact people: Thomas J. Henneberry
Preferred method of contact: Telephone me during working hours MST.

Sust. Agric. Roles: researcher, information provider

Major Areas of Sust. Agric. Expertise: insects, agronomic crop production, nutrient management

Primary crop and livestock enterprises: fiber crops

Description of Sustainable Agriculture work: Our plant scientists and entomologists study the physiology of the cotton plant, non-insecticidal methods of control of cotton insects and development of cotton varieties. The scientists in this unit are working on: 1) the physiology of the cotton plant to determine the factors that limit and enhance productivity; 2) non-insecticidal methods of insect control, including resistant cotton varieties, release of natural enemies of insect pests and encouragement of natural populations of beneficial arthropods; 3) development of cotton germplasm lines and varieties.

Information resources available: We have research publications on cotton-plant physiology, entomology and breeding.

REF. 81-84

ref #:81 Individual

Glenn W. Anderson
Anderson Almonds
Wertzba Place
6401 Hultberg Rd.
Hilmar CA 95324

Telephone: (209)667-7499
FAX: (209)634-7603
Sust. Agric. Roles: grower of organic almonds, on-farm researcher/educator
Major Areas of Sust. Agric. Expertise: organic production, marketing, farm management
Primary crop and livestock enterprises: nuts, cover crops, legume cover crops, nonlegume cover crops, vegetables, beekeeping, wildlife
Description of Sustainable Agriculture work: I produce and market certified organic almonds from my farm. My farm is the initiator of a five-year U.C. comparative study (comparing organic and conventional production methods). My brother and I have been featured in various national media. I participate in field days and serve on SAREP committees.
Land Description: Our farm is 20 acres of leveled orchard, flood-irrigated land. It has sandy soil, a 10-foot water table, and half of it is on ancient Merced River floodplain.
Information resources available: field days, public speakers, workshops

ref #:82 Individual

Jill S. Auburn
UC Sust. Ag Res. & Ed. Program
Info. Group — SAREP
University of California
Davis CA 95616

Telephone: (916)757-3278
FAX: (916)757-3281
Electronic address: Inter:jsauburn@ucdavis.edu, Bitnet:jsauburn@ucdavis
Preferred method of contact: I prefer telephone calls between 8 a.m. and 5 p.m. PST, or e-mail. Contact by mail is also okay, but I prefer not to be contacted by fax unless it is truly necessary.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I manage the information program for UC SAREP. I manage the information program (publications, databases, training, etc.) for a statewide sustainable ag program. My primary expertise is in information management and networking, particularly (but not exclusively) in computerized forms.
Information resources available: brochures, pamphlets, factsheets, monographs, electronic database

ref #:83 Individual

Wilhelmus Bakx
Sonoma Compost Company
3515 Burnside Road
Sebastopol CA 95472

Telephone: (707)823-7039
FAX: (707)823-7039
Preferred method of contact: Contact me by phone, during working hours PST, or by mail.
Sust. Agric. Roles: supply &/or service provider, researcher
Major Areas of Sust. Agric. Expertise: soil management, on-farm composting, compost utilization, organic production
Primary crop and livestock enterprises: vegetables, cover crops
Description of Sustainable Agriculture work: I am the owner of a compost company composting agricultural byproducts and yard waste, and a doctoral candidate at UC Berkeley assessing the sustainability of agricultural soils utilizing biological indicators. I compost various organic materials which are sold to the agricultural and horticultural industry, and I am active on a state level in the development of regulations and standards for the compost industry. I promote compost and other sustainable soil management practices through workshops at farm conferences.
Land Description: There is no specific site.

ref #:84 Individual

Guy Baldwin
Towani Organic Farm
1893 Pleasant Grove Lane
Keyline Demo Pr./Permac. Comm
Marysville CA 95901

Telephone: (916)679-2729
Contact people: Sharon Casey
Preferred method of contact: We prefer to be contacted before 8 a.m. and/or after dark PST, and/or by mail.
Sust. Agric. Roles: full-time farmer/rancher, supply &/or service provider
Major Areas of Sust. Agric. Expertise: soil management, organic production, permaculture
Primary crop and livestock enterprises: herbs, cut flowers, vegetables, forage crops, cover crops, sheep, chicken, beef cattle
Description of Sustainable Agriculture work: We are market gardeners, specializing in fresh and dried herbs, edible flowers, cut flowers, dried flowers and a variety of other organically grown produce. We produce CCOF certified herbs, cut flowers, edible flowers and vegetables. We are experimenting with the Keyline system of soil fertility enhancement, using a subsoil Yeomans plow, crop rotations, pasture management (sheep and chickens) and a variety of green manures and organic soil

amendments.
Land Description: Our farm consists of: Site 1 — 45.6 acres; 4 acres in herbs, flowers, vegetables, and 41 acres of pasture and abandoned olive orchard. Site 2 — 50 acres of native oak/pine woodland/savannah. Site 3 — 100 acres of pasture, and demonstration of Keyline pasture-improvement techniques.
Information resources available: We put on one or two field days per year to show the public the Keyline demonstrations project and/or Towani Organic Farm. We also have printed materials describing our work, and books and pamphlets with information on Keyline farming systems and permaculture.

ref #:85 Individual

Kate Burroughs
Harmony Farm Supply
PO Box 460
Graton CA 95444

Telephone: (707)823-9125
FAX: (707)823-1734
Preferred method of contact: Contact me by telephone from 9 a.m. to 5:30 p.m. PST, or by mail.
Sust. Agric. Roles: information provider, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: pest management, soil management, organic production
Primary crop and livestock enterprises: fruit crops, vegetables, cover crops, ornamentals
Description of Sustainable Agriculture work: I am an entomologist and organic farming consultant who has been helping growers make the transition from chemical to organic farming since 1976. I am primarily involved in setting up systems for alternative pest control, soil fertilization and irrigation techniques. I am also writing a book on beneficial insect use. As an entomologist and organic farm consultant, I primarily work with apple/pear orchards, winegrapes and vegetable producers (all scales from backyard to hundreds of acres). I am very interested in the use of biological control for insect and weed pests and have been doing research at a very limited level on insectary plants for improving insect habitat.
Information resources available: I am involved in producing a 128-page catalog of products for sustainable agriculture. We also produce factsheets on various subjects including organic orchard production, soil sampling procedures, etc.

ref #:86 Individual

Janet Caprile
Calif. Cooperative Extension
1700 Oak Park Blvd., Room A-2
Pleasant Hill CA 94523

Telephone: (510)646-6540
FAX: (510)646-6708
Preferred method of contact: By telephone at the above number during working hours, or by mail.
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, pest management, soil management
Primary crop and livestock enterprises: pome fruits, fruit crops, sweet corn, vegetables
Description of Sustainable Agriculture work: I am an Extension agent/farm advisor researching organic apple production in California. My goal is to put anecdotal information to scientific test. Those sustainable practices that work should be promoted and those that don't should be discouraged/exposed, so sustainable agriculture can proceed!
Land Description: 245-acre apple orchard, semi dwarf, trellised, Granny Smith/Fuji/Red Delicious varieties; planted in 1986; 11 acres currently organic; permanent cover; micro sprinkler irrigation.
Information resources available: Catalog of U.C. Agricultural Publications

REF.
85-88

ref #:87 Individual

David Chaney
UC Sust. Ag Res. & Ed. Program
University of California
Davis CA 95616

Telephone: (916)757-3280
FAX: (916)757-3281
Electronic address: dechaney@ucdavis.edu
Preferred method of contact: Call 8 a.m.-5 p.m. PST at above number, or e-mail/fax at any time.
Sust. Agric. Roles: information provider, teacher
Major Areas of Sust. Agric. Expertise: soil management, information transfer/education, horticultural crop production-vegetables

Primary crop and livestock enterprises: vegetables, agronomic crops, forage crops
Description of Sustainable Agriculture work: I am an information analyst and writer developing publications and educational materials for farmers and Extension agents. My emphasis is on resource-conserving production practices, sustainable soil management and crop rotations. I am developing information on resource-conserving production practices for annual cropping systems. Current projects include a publication on organic soil amendments and fertilizers, a crop rotation database and manual for California, and training for agricultural professionals in agricultural biodiversity and sustainable soil management. I also edit a quarterly publication of Technical Reviews in sustainable agriculture.
Information resources available: bulletins, factsheets, monographs, newsletter

ref #:88 Individual

Brian A. Federici
University of California
Department of Entomology
Riverside CA 92521

Telephone: (714)787-5006
FAX: (714)787-3086
Preferred method of contact: I prefer to be contacted by telephone at the above number or fax during working

hours Pacific Coast Time.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: insects, information transfer/education
Primary crop and livestock enterprises: solanaceous vegetables, greens (including salads), cole crops, vegetables
Description of Sustainable Agriculture work: I research the development of selective pathogens of insects for use as biological control agents and microbial insecticides for management of insect pest populations. As a microbiologist/entomologist, I am involved in the development of pathogens of insects for control of insects of agricultural or medical importance. The emphasis of my research is on the development of highly selective, insect-specific viruses and bacteria.
Information resources available: We have compiled slides of insect pathogens and the diseases they cause in insects.

ref #:89 Individual

Mary Louise Flint
University of California
IPM Education and Publications
Davis CA 95616

Telephone: (916)752-7692
FAX: (916)752-9336
Electronic address: mlflint@ucdavis
Preferred method of contact: Contact me by fax, mail or telephone 8 a.m. to 5 p.m. weekdays PST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: pest management, insects, information transfer/education
Primary crop and livestock enterprises: ornamentals
Description of Sustainable Agriculture work: I am a University of California Entomologist/IPM specialist investigating least toxic ways to manage pests, including biological control, cultural controls and selective pesticides. I have investigated alternative pest management practices in a wide range of crops in the western U.S. through the development of the University of California's IPM publications, for which I am technical editor. My book, Pests of the Garden and Small Farm: A Grower's Guide to Using Less Pesticides, reviews some of this information. I am currently doing research related to release of natural enemies and IPM in landscapes.
Information resources available: UC statewide IPM publications can be purchased from UC ANR Publications, 6701 San Pablo Ave., Oakland CA 94608-1239; (510) 642-2431. Write or phone for a free catalog. There are IPM manuals for gardens and small farms, alfalfa, almonds, apples, pears, citrus, cole crops, lettuce, cotton, potatoes, rice, small grains, tomatoes, walnuts and strawberries (in press). We have pest management guidelines for many more crops.

ref #:90 Individual

Isao Fujimoto
University of California
Dept. of Applied Behavioral Science
Davis CA 95616

Telephone: (916)752-1805
FAX: (916)752-5660
Preferred method of contact: Contact me by fax at work, or by phone at home (916)753-3148 before 10 a.m. PST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: social/political issues, information transfer/education, networking/organizing
Description of Sustainable Agriculture work: As a rural sociologist and senior lecturer in Community Studies and Development at the University of Calif.-Davis, one of my foci is on the relation between agriculture and the quality of community life, identifying strategies that bring about results that are feasible and sustaining. Teaching at a university that attracts many visitors involved with agriculture and environmental concerns and as a longtime resident of a city recognized for its programs promoting sustainability, I come in contact with farmers, activists and networkers from all over the world. Connecting these people has a multiplier effect all its own, enhanced by what I can draw on through my service on the boards of The Data Center, the California Institute for Rural Studies, Pesticide Action Network and the AFSC's Asia Pacific Network — all of whom deal with issues that involve sustainable agriculture. I'd like to share insights on organizing, networking and connecting people promoting socially and ecologically sound agriculture and development.

ref #:91 Individual

Shirley Humphrey
UC Small Farm Center
University of California
Davis CA 95616

Telephone: (916)757-8752
FAX: (916)757-8579
Preferred method of contact: I can be contacted by phone or fax between 8 a.m. and 5 p.m. PST.
Sust. Agric. Roles: information provider, Extension worker
Major Areas of Sust. Agric. Expertise: information transfer/education
Primary crop and livestock enterprises: specialty crops
Description of Sustainable Agriculture work: I am a program representative at the Small Farm Center. My current project is developing a manual for entry-level farmers and those who wish to diversify their farming operation. The Small Farm Center provides research results, publications, educational programs and conferences on small-farm topics.
Information resources available: We publish a 12-page bimonthly newsletter entitled "Small Farm News," and publications on small-scale farming, and offer educational programs. Our publications provide information about a broad spectrum of topics uniquely relevant to small-farm needs.

ref #:92 Individual

John Jeavons
Ecology Action
5798 Ridgewood Rd.
Willits CA 95490-9730

Telephone: (707)459-0150
Preferred method of contact: We prefer to be contacted by mail.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: biointensive mini-farming, soil conservation, whole systems
Primary crop and livestock enterprises: vegetables, cover crops, small grains, fruit crops, fiber crops
Description of Sustainable Agriculture work: Ecology Action is a nonprofit organization working on the solution to the question of how to grow a complete balanced diet and provide a small, but adequate income in the smallest possible area, while maintaining soil fertility on a closed-system basis. Ecology Action is a small, nonprofit group of professionals dedicated to seeking practical solutions to the urban and rural food, clothing, shelter, energy and resource issues through its research, development, education and outreach programs. It provides people with the knowledge and skills through which everyone can become more responsible for their own food/nutritional needs in an ecologically sound and resource-conserving way. Diet, compost, income, fiber, seed and fuel crops are being explored for their resource efficiency, soil-building qualities and yield potentials.
Land Description: Our research garden is located on a rolling to steep hillside overlooking the Willits Valley. Our climate includes hot, dry days and cool nights in summer and heavy rain in the winter. Our water for the garden is gravity-fed from a pool filled from a forest wellspring. We have about 100, 100-square-foot raised beds, many of them terraced.
Information resources available: We have books and pamphlets describing Biointensive techniques and the results of Ecology Action's research. We publish a quarterly newsletter. We also have information sheets on various aspects of gardening. The Ecology Action slide show is an introduction to the techniques, applications and impact of the Biointensive method. A PBS-TV special (video), "Circle of Plenty," describes Ecology Action's work in the U.S.A. and Mexico.

ref #:93 Individual

Ralph W. Jurgens
New Era Farm Service
23004 Road 140
Tulare CA 93274

Telephone: (209)686-3833
FAX: (209)686-7915
Preferred method of contact: I prefer to be contacted by phone during working hours 7:00 a.m. to 6:00 p.m., Mon. thru Fri., and 7:00 a.m. to 12:00 p.m., Sat. Best time is between 4:00 & 6:00 p.m.
Sust. Agric. Roles: supply &/or service provider
Major Areas of Sust. Agric. Expertise: soil management, nutrient management, soil biology
Primary crop and livestock enterprises: vine fruits, fruit crops, stone fruits, nuts, cover crops, beef cattle
Description of Sustainable Agriculture work: I am the owner of New Era Farm Service Inc. We have been helping growers achieve system approaches through extensive analytical soil, tissue and water testing, putting a major emphasis on organic matter management to achieve a sustainable goal.
Information resources available: brochures, pamphlets, field days, meetings, public speakers

ref #:94 Individual

Karen Klonsky
University of California
Department of Ag. Economics
Davis CA 95616

Telephone: (916)752-3563
FAX: (916)752-5614
Preferred method of contact: Contact me by mail or phone during working hours PST.
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: farm management, agricultural economics
Primary crop and livestock enterprises: agronomic crops, cover crops, nuts, vine fruits, tomatoes
Description of Sustainable Agriculture work: I'm an ag economist studying the feasibility of alternative farming with respect to profitability and resource use.
Land Description: We have statewide research sites.
Information resources available: articles, field days, meetings, software

ref #:95 Individual

W. Thomas Lanini
University of California
Botany Dept., 106 Robbins Hall
Davis CA 95616

Telephone: (916)752-0612
FAX: (916)752-5410
Preferred method of contact: Telephone or fax are best ways to reach me.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: weeds, horticultural crop production-vegetables, agronomic crop production
Primary crop and livestock enterprises: forage crops, forestry, vine fruits, vegetables
Description of Sustainable Agriculture work: I am an Extension weed ecologist researching low- and non-chemical approaches for weed control in vegetable and agronomic crops. As a weed ecologist, I am examining intercropping of various grass species in both new seedings and established stands of alfalfa. In these, yields are improved and weeds are greatly reduced. In vegetables, the economics of hand-weeding is being compared to standard herbicide practices. Reducing the rate of herbicides and increasing the hand-weeding has produced the greatest economic return. We are also examining the use of mulches (organic) and various tillage implements for

vegetable production.
Land Description: Our research site is located on irrigated land, on which we grow intensive-agriculture, high-value crops.
Information resources available: We have several articles on research results to date and will have a video on non-chemical weed control which we expect to complete by October 1992.

REF. 96-99

ref #:96 Individual

Bill Liebhardt
UC Sust. Ag Res. & Ed. Program
University of California
Davis CA 95616

Telephone: (916)752-2379
FAX: (916)752-4361
Contact people: Dr. Jill S. Auburn
Preferred method of contact: Contact me at above number or fax during working hours Pacific Time Zone.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, livestock production
Primary crop and livestock enterprises: agronomic crops, fruit crops, vegetables, cover crops, legume cover crops, dairy cattle, beef cattle, hogs, chicken, veal
Description of Sustainable Agriculture work: I am the director of the University of California Sustainable Agriculture Research and Education Program (UC SAREP). Our program is the focal point for sustainability activities within the UC system and the state of California. We develop and disseminate information statewide, nationally and internationally.
Land Description: Our research concerns farming systems comparisons.
Information resources available: We have print, electronic and videos on various sustainable subjects applicable to California.

ref #:97 Individual

Diane Livingstone
PO Box 2910
Santa Cruz CA 95063

FAX: (904)721-8426
Preferred method of contact: Since I travel extensively, letter or fax is best. For fax, three pages maximum. Please be patient. It may take time for messages to reach me and for me to respond. I cherish your letters.
Sust. Agric. Roles: U.N. Topsoil production expert, wastebuster children's program
Major Areas of Sust. Agric. Expertise: soil management, organic production, topsoil production centers
Primary crop and livestock enterprises: cover crops, agroforestry, fruit crops, tropical fruits, soil improvement plants, earthworms, soil animals
Description of Sustainable Agriculture work: I am a researcher and visionary who has applied science and appropriate technology to "topsoil production centers using tons of soil fauna" and who bases her work on her National Science Foundation research breakthrough, 1978-1981. I prefer to train and lecture gardeners, environmentalists, children, villagers and others. My view is that no matter what else you do, every person needs topsoil production — for sustainable food and forest production as well as a wholesome lifestyle. For those who practice "topsoil production centers," they can ensure their sustainable future as well as create jobs. Our current reliance on geologic evolution is too slow.
Information resources available: I have some documents for sale and brochures for interested professionals. I prefer to train trainers to do my "Bali Tree Ecosystem," tree planting and topsoil production using tons of soil animals. I can develop a program for your group or company, nonprofit or profit making. (Can include manuals, videos, slide show, overhead projection.) Ask about our community tree planting and topsoil production program. Also, Wastebusters Resource Recovery Environmental Education for children.

ref #:98 Individual

Patrick Madden
Univ. of Calif. Assoc. Dir of SARE (LISA)
World Sust. Agri. Assn.
PO Box 10338
Glendale CA 91209-3338

Telephone: (818)242-0406
FAX: (818)240-5165
Electronic address: EUH6JPM@MVS.OAC.UCLA.EDU
Preferred method of contact: Fax preferred, or e-mail.
Sust. Agric. Roles: administrator
Major Areas of Sust. Agric. Expertise: agricultural economics, information transfer/education, administration
Description of Sustainable Agriculture work: I help administer grant and action programs on U.S. and international levels. I was the founding director of the LISA program, and now serve as associate director of its successor, Sust. Agri. Research and Education Program. I am the primary organizer and executive director of the World Sust. Agri. Assn. (60% LISA, 40% USDA). My primary responsibilities in SARE include reporting, information exchange through Sust. Agri. Network, coordination of national economic analysis project, and evaluation.
Information resources available: We have available a compendium of SARE and ACE projects funded; various reports on these programs and WSAA.

ref #:99 Individual

Mas Masumoto
Masumoto Farm
9336 E. Lincoln
Del Rey CA 93616

Telephone: (209)834-3648
Preferred method of contact: Contact me anytime, but I may be out in the fields. Family dinners are important. Children and my wife will always be more important than phone calls.
Sust. Agric. Roles: full-time farmer/rancher, writer/author
Major Areas of Sust. Agric. Expertise: farmer crop

production — fruits, rural community development/leadership, on-farm research
Primary crop and livestock enterprises: stone fruits, vine fruits
Description of Sustainable Agriculture work: I am a farmer exploring the power of nature and human nature. I am a grape and tree fruit farmer. My grapes are either dried into raisins or crushed for wine. My peaches are for both fresh market and processing. Both crops are sold conventionally and some are certified organic. My organic blocks are my on-farm research stations. Major research projects include biocontrol and habitat, cover crop systems and innovation. I am active with conventional farm organizations, and am a founding member of California Clean Growers Association.
Land Description: My farm is in the San Joaquin Valley of California, 15 miles south of Fresno.
Information resources available: I am both a working farmer and freelance writer. My writings are available; I have published two books and dozens of articles.

ref #:100 Individual

Mark A. Mayse
California State University
Dept. of Plant Science
Fresno CA 93740-0072

Telephone: (209)278-2150
FAX: (209)278-4795
Preferred method of contact: Contact me anytime. My office phone has an answering machine. I will return calls ASAP.
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: insects, pest management
Primary crop and livestock enterprises: vine fruits, cover crops, vegetables, forestry
Description of Sustainable Agriculture work: I am a professor of entomology, with broad interests, training and experience in agricultural sustainability issues. I teach classes in pest management (graduate and undergraduate) and also teach a general education course called "Food, Society and Environment" which addresses ag sustainability issues. My IPM research explores more effective ways to manage agro-ecosystems (e.g., fertilizer and irrigation effects on pest situations).
Land Description: The CSUF Farm Laboratory consists of 1,100 acres and includes 160 acres of grape vineyards at Fresno, Calif.

ref #:101 Individual

Glenn McGourty
Calif. Cooperative Extension
Mendocino County
County Agri Center/Courthouse
Ukiah CA 95482

Telephone: (707)463-4495
FAX: (707)463-4477
Preferred method of contact: Please contact me by phone from 8 a.m. to 10 a.m. PST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, soil management, pest management
Primary crop and livestock enterprises: vine fruits, pome fruits, ornamentals, vegetables, weeds
Description of Sustainable Agriculture work: I am a farm advisor working with pears, winegrapes, apples, vegetables, nursery crops and landscape management, looking for ways to help growers manage their crops more sustainably. I am especially interested in organic winegrape production. Mendocino County leads the nation in organic winegrape production. I have performed research on cover crop sustainability for grapes, looking at weed competition and potential as insectaries. I have also looked at fruit finish quality of pears and its relationship to the cover crops and weeds growing in the orchard. I am involved with pheromone confusion research in apples. I have worked with high-analysis N fertilizers in turf. I also produce a 30-minute video on sustainable soil fertility.
Land Description: Mendocino County, which is a coastal county that has both Mediterranean and Pacific Northwest weather patterns, is a hilly to steep mountainous area with narrow fertile valleys. The distance from the ocean greatly influences the many microclimates.
Information resources available: I have periodic newsletters on horticulture in Mendocino County, and a videotape entitled "Alive and Well — Sustainable Soil Management."

ref #:102 Individual

Michael McKenry
Univ. of Calif., Riverside
9240 S. Riverbend Ave.
Parlier CA 93648

Telephone: (209)891-2500
FAX: (209)891-2593
Preferred method of contact: No preference on contact method.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: diseases, horticultural crop production-fruits
Primary crop and livestock enterprises: pome fruits, stone fruits, nuts, small fruits, vine fruits
Description of Sustainable Agriculture work: My interest is reduced pesticide inputs. 1. Cover cropping; 2. Naturally occurring nematicides; 3. Soil amendments; 4. Fertilizers with nematicidal value; 5. Perennial-type crops.
Information resources available: factsheets, monographs, periodicals, proceedings, field days, meetings, workshops

ref #:103 Individual

Jim Meyer
Eartheart Services
627 Pine Ave.
Solvang CA 93463

Telephone: (805)686-4264
Contact people: Davida (Harlyn) Meyer
Sust. Agric. Roles: full-time farmer/rancher, farm advo-

cacy and support
Major Areas of Sust. Agric. Expertise: organic production, marketing, organizational networking
Primary crop and livestock enterprises: vegetables, greens (including salads), root vegetables
Description of Sustainable Agriculture work: We are involved in small-farm management using nature farming — a low-input, biologically based farming system. It uses a whole systems approach designed to nurture the "soil climate" and develop a sustainable, balanced farm ecosystem. We share our knowledge and values with other agriculturists and the community. We are currently "between farms" and are doing a variety of consulting work (Jim — CCOF farm inspections, farm advising; Davida — organic market consulting, organizational development, fundraising). We have both been involved extensively in the development of the sustainable/organic agriculture community.
Land Description: We have managed three farms to this point — one in Colorado, northwest of Denver; one on the southern California coastal plain; and the third in a central California coastal valley. The soils we have managed range from sandy loams to heavy clay loam.
Information resources available: We do consulting work in organic production and marketing. Jim is also experienced with computerized farm record-keeping systems. Davida has extensive experience in networking, organizational development and information gathering. We have worked together developing projects from conception through implementation.

ref #:104 Individual

Steve Mitchell
UC Bio-Agricultural Library
UC Riverside
Riverside CA 92521

Telephone: (714)787-3238
FAX: (714)787-3285
Electronic address: smitch@UCRVMS
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, organic production, information transfer/education
Primary crop and livestock enterprises: subtropical fruits, pome fruits, legume cover crops, agroforestry, vegetables
Description of Sustainable Agriculture work: I'm an agricultural/life sciences librarian specializing in sustainable agriculture. I'm particularly interested in sustainable cropping systems emphasizing biological control and multiple cropping schemes. I'm also a market gardener. As a sustainable ag info. provisioner, I've recently completed a resource book: S. Mitchell and D. Bainbridge, 1991 Sustainable Agriculture for California: A Guide to Information. UC DANR Publications, Oakland CA (Publication 3349), 198 pp. As a market gardener, I'm most interested in intercropping/cover cropping in orchards.
Land Description: 2½ acres, gently sloping, hot, semi-arid clay
Information resources available: S. Mitchell and D. Bainbridge, 1991. Sustainable Agriculture for California: A Guide to Information, UC DANR Publications, Oakland CA, (Pub. 3349), 198 pp. ($12 postpaid from UC DANR Pubs, 6701 San Pablo Ave., Oakland CA 94608-1239).

ref #:105 Individual

Faustino N. Munoz
Calif. Cooperative Extension
5555 Overland Ave. #4
San Diego CA 92123

Telephone: (619)694-2846
FAX: (619)694-2849
Preferred method of contact: I prefer to be contacted by mail or telephone during working hours PST.
Sust. Agric. Roles: Extension worker, teacher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, organic production, soil management
Primary crop and livestock enterprises: cover crops, legume cover crops, vegetables
Description of Sustainable Agriculture work: I'm a farm advisor responsible for conducting Extension education and applied research in small-scale sustainable and organic vegetable farming systems. As a farm advisor, I work in production, marketing and management of small farm enterprise development, organic/sustainable agriculture, legume cover crops and conversion systems.
Information resources available: We have local publications on legume green manures for vegetable farming systems.

ref #:106 Individual

Carolyn Pickel
Calif. Cooperative Extension
142-A Garden Hwy.
Yuba City CA 95993

Telephone: (916)741-7515
FAX: (916)673-5368
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: pest management, insects, organic production
Primary crop and livestock enterprises: forage crops, fruit crops, pome fruits, stone fruits, nuts
Description of Sustainable Agriculture work: I am an area integrated pest management advisor, investigating alternatives to pesticides.

ref #:107 Individual

George Poinar Jr.
University of California
Dept. of Entomological Science
Berkeley CA 94720

Telephone: (510)643-6990
FAX: (510)642-7428
Preferred method of contact: I prefer to be contacted by phone or fax from 9 a.m. to noon.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: insects, soil biology, nematodes
Primary crop and livestock enterprises: forage

crops, mushrooms, legume forages
Description of Sustainable Agriculture work: I am a pathologist using nematodes to control pest insects, and diseases to control pest nematodes. I investigate the nematode parasites of all agriculturally and medically important insects with the aim of discovering nematodes that can be used for the biological control of particular insects. I am also interested in virus and protozoan diseases of nematodes with the aim of controlling plant parasite nematodes biologically.
Information resources available: We can recommend library sources of information but have nothing to hand out.

ref #:108 Individual

Dru A. Rivers
Full Belly Farm
PO Box 222
Guinda CA 95637

Telephone: (916)796-3464
Preferred method of contact: Anyway you can reach us is fine!
Sust. Agric. Roles: full-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: organic production, insects, livestock production
Primary crop and livestock enterprises: vegetables, nuts, cover crops, cut flowers, greens (including salads), sheep, goats-dairy, dairy cattle
Description of Sustainable Agriculture work: I am a full-time farmer along with my husband, two partners and four children. We farm 120 acres of mixed vegetables & nuts. Our farm has 120 acres of organic vegetables & nut production. We've been farming CCOF certified crops for nine years. We provide an annual event — "The Hoes Down Harvest Festival" for people to tour our farm & learn more about organic agriculture. One of our partners is the executive director of the California Action Network, and we are all on various boards.
Land Description: We farm on 120 acres of California foothill, type class I soil, near Cache Creek w/riparian habitat.
Information resources available: We host an annual field day at our farm, "The Hoes Down Harvest Festival."

ref #:109 Individual

Bob Scowcroft
Organic Farming Res. Found.
PO Box 440
Santa Cruz CA 95061

Telephone: (408)426-6606
Contact people: Mark Nielson, Pres., OFRF
Sust. Agric. Roles: funding organic farming research, funding organic farming education
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, grantmaking
Description of Sustainable Agriculture work: We raise and distribute funds in support of organic farming research and education programs. As a grantmaking foundation, we are looking to growers for submittals of research proposals. Farmer involvement in all aspects of the research project is desirable. University and governmental researchers are welcome to apply for grants but we suggest they act as cooperators with growers themselves. Educational grant requests will be considered for any and all organizations.
Information resources available: We have guidelines for grantmaking procedures and research and education which are available to anyone with a self-addressed, stamped envelope.

REF.
108-
111

ref #:110 Individual

Richard Smith
Calif. Cooperative Extension
649-A San Benito Street
Hollister CA 95023

Telephone: (408)637-5346
FAX: (408)637-7111
Sust. Agric. Roles: Extension worker, teacher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, water management, nutrient management
Primary crop and livestock enterprises: vegetables
Description of Sustainable Agriculture work: I am a horticulturist investigating the soil fertility aspects of intensive vegetable systems. As a farm advisor in a vegetable production area of California, I conduct soil fertility research on the use of cover crops, manures and compost to supply the nitrogen needs of peppers, lettuce, corn and other vegetables.
Land Description: We are growers on the central coast of California. We have excellent flat valleys with long growing season.

ref #:111 Individual

Ted St. John
Tree of Life Nursery
PO Box 736
San Juan Capistrano CA 92693

Telephone: (714)728-0685
FAX: (714)728-0509
Preferred method of contact: Please contact me by telephone or fax from 7 a.m. to 4:30 p.m. PST.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: soil biology, nutrient management, information transfer/education
Description of Sustainable Agriculture work: I provide inoculum of Vesicular-Arbuscular Mycorrhizae, and information on its use in nurseries and on farms. We produce Mycorrhizal inoculum tailored to the soil and crop. Most has been used in-house for nursery plants, but some is now being produced for use in agriculture and forestry.
Information resources available: We have brochures on Mycorrizae. We offer talks and workshops on request.

ref #:112 Individual

Fred L. Thomas
PO Box 429
Richvale CA 95974

REF. 112-115

Telephone: (916)882-4441
Preferred method of contact: Please contact me by mail or office telephone daytime or evenings.
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, agronomic crop production, weeds
Primary crop and livestock enterprises: cover crops, fruit crops, forage crops, agronomic crops, beef cattle, sheep, dairy cattle, wildlife
Description of Sustainable Agriculture work: I have tested in cooperative farmers' fields and orchards many types of cover cropping plant material and developed cover cropping systems. Through trial and error, I have been able to grow subterranean clovers and medics into a living mulch in vineyard crops, almonds and other deciduous crops. I have also worked extensively with pasture and rangeland renovation using no-till equipment.

ref #:113 Individual

John Trumble
University of California
Dept. of Entomology
Riverside CA 92521

Telephone: (714)787-5624
FAX: (714)787-5624
Preferred method of contact: Contact me by telephone or fax during working hours PST.
Sust. Agric. Roles: researcher, gov't. policy development
Major Areas of Sust. Agric. Expertise: insects, horticultural crop production-fruits, agricultural economics
Primary crop and livestock enterprises: solanaceous vegetables, celery, strawberries, cole crops, vegetables
Description of Sustainable Agriculture work: I develop low-input pest management programs for commercial, large-scale vegetable production. My research in tomatoes, celery and other vegetables and small fruits is designed to reduce pesticide costs while maintaining productivity and improving economic viability in large-scale commercial plantings.
Land Description: I work on a coastal site.
Information resources available: proceedings, journal manuscripts

ref #:114 Individual

David Visher
UC Small Farm Center
University of California
Cooperative Extension
Davis CA 95616

Telephone: (916)757-8910
FAX: (916)757-8579
Contact people: Ronald E. Voss, Claudia Myers, Shirley Humphrey
Preferred method of contact: By telephone from 8 a.m. to 5 p.m. Pacific Time Zone.
Sust. Agric. Roles: information provider, Extension worker
Major Areas of Sust. Agric. Expertise: information transfer/education, agricultural economics, marketing
Primary crop and livestock enterprises: specialty, organic
Description of Sustainable Agriculture work: The Small Farm Center provides information to small farmers and support to farm advisors. Among other areas, we concentrate on info about sustainable and organic practices which might benefit small farms. We coordinate a multi-state LISA project that promotes information dissemination about LISA research and practices. Our bi-monthly newsletter focuses on small-farm issues, with a concentration on sustainable ag info. We conduct conferences and seminars that train farmers and farm advisors about sustainable ag issues.
Information resources available: We are a good entry point to the University of Calif. Cooperative Extension Service for California farmers. We are available on the phone, by fax or mail. To subscribe to our newsletter, just send us your address.

ref #:115 Individual

Paul Vossen
Calif. Cooperative Extension
2604 Ventura Ave.
Santa Rosa CA 95403

Telephone: (707)527-2621
FAX: (707)527-2623
Preferred method of contact: Contact me by phone.
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, horticultural crop production-vegetables, organic production
Primary crop and livestock enterprises: pome fruits, small fruits, vegetables, cut flowers, vine fruits
Description of Sustainable Agriculture work: I am an Extension horticulturist conducting practical field trials on organic and sustainable practices for fruits and vegetables, primarily apples. I'm working on several research projects in an effort to reduce pesticide use while maintaining yields and produce quality. Currently, I and a team of researchers are comparing tree growth, fruiting capabilities, fruit quality, plant nutrition, and pest and beneficial insect levels in an apple production system between organic and conventionally grown orchards.
Land Description: Our research site consists of a 16-acre, dry-farmed apple orchard, 20 acres of mixed organic vegetables and a 2.5-acre mixed fruit operation. We are conducting variety trials.
Information resources available: We provide an educational service to growers in Sonoma and Marin counties through farm visits, research, classes, field demos and publications.

ref #:116 Individual

Jon Waters
Nalbandian Sales Inc.
PO Box 475
Lamont CA 93241

Telephone: (805)845-3771
FAX: (805)845-0051
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, farm management, organic production
Primary crop and livestock enterprises: fruit crops, vine fruits
Description of Sustainable Agriculture work: I am a grower-distributor of California Table Grapes.

ref #:117 Individual

Matthew Werner
University of California
Agroecology Program
Santa Cruz CA 95060

Telephone: (408)459-4661
FAX: (408)459-3483
Preferred method of contact: Use fax or telephone any time; if by telephone, callers can leave a message.
Sust. Agric. Roles: soil ecology/conversion systems, information provider
Major Areas of Sust. Agric. Expertise: soil biology
Primary crop and livestock enterprises: pome fruits, nuts, small fruits, vegetables
Description of Sustainable Agriculture work: I am a soil ecologist studying the conversion to more sustainable agricultural management and the interaction between agricultural systems and adjacent non-crop ecosystems. As a soil ecologist, I have studied earthworm ecology, microbial biomass, mycorrhizal fungi, soil arthropods and various other soil parameters. In California I have worked in a variety of cropping systems, including strawberries, apples, artichokes, almonds and mixed vegetable crops.
Land Description: I primarily work at on-farm sites in cooperation with owner-operators. The project I am currently involved in is on farmland adjacent to an estuary that is jointly owned and managed by the Nature Conservancy and a local agricultural conservancy.
Information resources available: The Agroecology Program has newsletters (The Cultivar), pamphlets, factsheets and position papers available. Personally, I have reprinted book and journal articles available.

ref #:118 Organization

agAccess
603 Fourth St.
Davis CA 95616

Telephone: (916)756-7177
FAX: (916)756-7188
Electronic address: ECONET: agaccess@igc.org
Contact people: David Katz, Jeff Harpain, Larry Dieterich
Preferred method of contact: You may contact agAccess by phone or fax. By mail write to: agAccess, PO Box 2008, Davis CA 95617.
Sust. Agric. Roles: information provider, agricultural book publisher
Major Areas of Sust. Agric. Expertise: complete resource access, information transfer/education, organic production
Description of Sustainable Agriculture work: agAccess is an information company specializing in sustainable agriculture and horticulture. agAccess business divisions include publishing, custom research and information services, and wholesale and retail book distribution via direct-mail catalogs and a bookstore. The agAccess bookstore and free catalog contain titles selected from our vast database of every agricultural book in print. Our experienced staff will find exactly the books you require. Most titles are in stock. agAccess also researches specific questions and locates consultants. agAccess specialists, using sophisticated computer systems, can perform market studies, report on new crop production techniques, and conduct site analysis and project planning. Billing is hourly or per-project. agAccess publishing is actively soliciting manuscripts. Our focus is on improving agricultural management through efficient resource use and sophisticated system approaches. We also custom-publish for professional societies and associations.
Information resources available: The agAccess book database, updated each month, contains more than 11,000 titles indexed by subject, title, author and publisher. agAccess has an in-house, books-in-print system on CD-ROM which is updated monthly and accessed via telephone inquiry or free mail-order catalog. Thousands of titles are on display for sale in the agAccess Bookstore located at 603 Fourth St., Davis, CA. Browsers are always welcome. We also have an information service based on database searching.

ref #:119 Organization

Bezzerides Bros. Inc.
PO Box 211
Orosi CA 93647

Telephone: (209)528-3011
Contact people: Paul Bezzerides
Preferred method of contact: I prefer to be contacted by mail or telephone during working hours.
Sust. Agric. Roles: manufacturer of farm tools
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, tillage
Primary crop and livestock enterprises: sugar crops, fruit crops, vine fruits, vegetables, cole crops
Description of Sustainable Agriculture work: I am an inventor of farm tools for row crops, vineyards and orchards. We manufacture equipment for removing weeds in between plants in the row and also for vineyards and orchards.
Information resources available: We have videos of tools and prices.

ref #:120 Organization

Calif. Certified Organic Farmers
PO Box 8136
Santa Cruz CA 95061

REF. 120-123

Telephone: (408)423-2263
FAX: (408)423-4528
Electronic address: CCOF on EcoNet; ORGANIC on MCI mail
Sust. Agric. Roles: organic certification
Major Areas of Sust. Agric. Expertise: organic production, certification, agricultural economics
Primary crop and livestock enterprises: vegetables, fruit crops, cover crops, agronomic crops, small grains, beef cattle, poultry, sheep, goats-dairy, warm-water aquaculture
Description of Sustainable Agriculture work: CCOF is a nonprofit trade association of organic growers, handlers and processors whose primary service is organic certification. While organic certification is CCOF's highest priority, other services we provide include research on organic farming systems, technical support for organic farmers, generic promotion of organic food, public education about organic agriculture, and legislative work in support of the organic industry. We also serve as the industry watchdog in the state that has both the greatest production and the most consumers of organic food.
Land Description: We certify over 40,000 acres throughout California.
Information resources available: CCOF publishes its standards annually in a Certification Handbook, a quarterly newsletter, a Grower's List updated at least annually, a Farm Inspection Manual, a Retailers Guide, brochures, pamphlets and curricula. We have a database on organic farmers' growing practices that we will distribute in comma delimited format. We have sponsored numerous seminars and meetings on organic farming.

ref #:121 Organization

California Action Network
PO Box 464
Davis CA 95617

Telephone: (916)756-8518
FAX: (916)756-7857
Contact people: Lewis Santer
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: policy/advocacy for sust. ag., water policy, anti-pesticide campaigns
Description of Sustainable Agriculture work: Calif. Action Network is a 15-year-old grassroots political and educational organization that promotes ecological farming. We build unique coalitions of family farmers and urban and rural environmental activists. Together we seek to build sustainable communities that emphasize permanent, socially just and healthy farming. Our three program areas are: 1) Transforming California Agriculture Campaign — a four-plank, long-term plan to increase alternative ag in Calif. The four planks are the Lighthouse Farm Program (networking & highlighting successful alternative farmers), a farm magazine to all 60,000 Calif. farmers, a consumer program & a transition-to-sustainable insurance fund. 2) A water campaign that brings the views of small-scale family farmers and rural environmentalists into Calif. water policy-making. 3) Support for & advocacy with anti-pesticide activists in rural communities.
Information resources available: We publish a directory of organic wholesalers. We sued University of California over agricultural research priorities. We have much information on Western water distribution & sustainable agriculture policy.

ref #:122 Organization

California Clean Growers Assn.
7307 So. Reed
Reedley CA 93654

Telephone: (209)638-7705
Contact people: Fred Smeds, Richard Peterson (209)896-6107, Paul Buxman (209)897-7547, Mas Masumoto (209)834-3648
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, organic production, information transfer/education
Primary crop and livestock enterprises: vine fruits, stone fruits, legume cover crops, nonlegume cover crops
Description of Sustainable Agriculture work: We are farmers using sustainable practices to raise tree fruit and grapes. Using our experience, we share information with other farmers. We farm tree fruit (peaches, nectarines, plums) and grapes (wine, raisin, table). We advocate using natural fertilizers (manure, compost, grape pumice, gypsum), cover crops (legumes, grains, herbs) and integrated pest managers (to monitor pests). We are involved with many on-farm research projects. Most of these projects are directed toward the reduction of pesticide use. These research projects are through the University of California, Kearney Ag Research Center. Our organization is comprised mainly of farmers, with a common interest of raising our crops with more sustainable methods. This includes using less-toxic chemicals. Therefore, we formed this group to help each other share information on reaching this common goal.
Information resources available: newsletter, field days, meetings

ref #:123 Organization

Demeter Association Inc.
4214 National Avenue
Burbank CA 91505

Telephone: (818)558-6637
FAX: (818)558-6637
Preferred method of contact: We prefer to be contacted by mail or phone during business hours. Fax is more easily sent during off-hours.
Sust. Agric. Roles: biodynamic certifier, farm advocacy and support
Major Areas of Sust. Agric. Expertise: certification
Description of Sustainable Agriculture work: We

certify biodynamic and organic farms in transition to biodynamics [in U.S. and in Mexico]. Our certification covers all edible — by humans or animals — agricultural commodities, as well as dairy and livestock. In keeping with the fundamental principles of biodynamics, we seek to certify the whole farm organism.
Information resources available: We have guidelines for certification of farms and processors, some introductory information about biodynamics and lists of our certified farms and processors.

ref #:124 Organization

Ferrari Tractor CIE
PO Box 1045
Gridley CA 95948

Telephone: (916)846-6401
Contact people: Eugene F. Canales
Preferred method of contact: Contact me by mail or telephone.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: tillage, organic production, information transfer/education
Description of Sustainable Agriculture work: I supply appropriate technology equipment for all scales of organic production. I import and market five makes of spading machines ideal to creating "double" dug beds rapidly by the acre. Some 200 models fit 15-PTO-horsepower to 200-horsepower tractors.
Information resources available: brochures, pamphlets, video

ref #:125 Organization

Harmony Farm Supply
3244 Gravenstein Hwy. North
Sebastopol CA 95444

Telephone: (707)823-9125
FAX: (707)823-1734
Contact people: Kate Burroughs, David Henry
Preferred method of contact: We are open every day except major holidays. Best days to call are Monday through Friday from 9 a.m. to 5 p.m. Pacific Standard Time.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: water management, pest management, soil management
Primary crop and livestock enterprises: fruit crops, cover crops, vegetables, ornamentals
Description of Sustainable Agriculture work: We are an organic farm supplier specializing in drip and sprinkler irrigation design and sales, organic fertilizers, ecological pest controls, books, horticultural supplies, and wildflower and cover crop seeds. We have been providing soil analysis for organic farmers since 1980. We help people schedule irrigations and understand interaction between organic matter in soil and water retention. We provide identification of insect/disease problems in order to recommend the least toxic material or method to control the pest. We specialize in appropriate technology for small- to medium-sized farms.
Information resources available: We have a 128-page catalog and factsheets on various subjects including organic orcharding, organic winegrapes production and other topics. We have free workshops throughout the year on various subjects related to sustainable agriculture/organic gardening.

REF.
124-
128

ref #:126 Organization

IBF Co. Inc.
22 Battery St., Suite 426
San Francisco CA 94111

Telephone: (415)249-0818
FAX: (415)249-0815
Contact people: John A. Casey; Chris Renaud, Operations; Frances Reyes, Finance
Preferred method of contact: I prefer to be contacted by telephone during working hours PST.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: soil management, organic production, marketing
Primary crop and livestock enterprises: sugar crops, coffee, vegetables, ornamentals, fruit crops
Information resources available: brochures, pamphlets, factsheets, monographs, newsletter, video

ref #:127 Organization

Jacobs Farm
PO Box 508
Pescadero CA 94060

Telephone: (415)879-0580
FAX: (415)879-0930
Contact people: Larry Jacobs, Sandra Belin, Henry Smith, Dee Harley, Barbara Henry
Preferred method of contact: I prefer fax communication.
Sust. Agric. Roles: full-time farmer/rancher, supply &/or service provider
Major Areas of Sust. Agric. Expertise: organic production, soil management, pest management
Primary crop and livestock enterprises: herbs, solanaceous vegetables, legume cover crops, nonlegume cover crops, tropical fruits
Description of Sustainable Agriculture work: I am director of a farming cooperative in Mexico, and maintain involvement with Jacobs Farm. Del Cabo produces a wide range of certified organic vegetables during fall, winter and spring, while Jacobs Farm produces a complete range of culinary herbs as well as some medicinals.
Land Description: We farm on coastal hills and small valleys.

ref #:128 Organization

J&G Agrow-Tek
3341-F Fitzgerald Road
Rancho Cordova CA 95742

Telephone: (916)635-9277

FAX: (916)635-0514
Contact people: Gene Bock
Preferred method of contact: Contact us by phone, fax or mail.
REF. 129-132
Sust. Agric. Roles: supply &/or service provider, fertilizer-soil amendments
Major Areas of Sust. Agric. Expertise: fertilizers, soil amendments, growth stimulants
Primary crop and livestock enterprises: sugar crops, fruit crops, nuts, vine fruits, vegetables
Description of Sustainable Agriculture work: J&G Agrow-Tek manufactures and distributes organic fertilizers, soil amendments and growth enhancers to growers and distributors. We liquefy seaweed, humic materials and combination blends. We supply powdered fish and blood, plus fishbone meal and other soil amendments.
Information resources available: brochures, pamphlets

ref #:129 Organization

Lundberg Family Farms
5370 Church Street
PO Box 369
Richvale CA 95974

Telephone: (916)882-4551
FAX: (916)882-4500
Contact people: Harlan Lundberg
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: marketing, organic production, agronomic crop production
Primary crop and livestock enterprises: small grains, legume cover crops
Description of Sustainable Agriculture work: I am a farmer, miller and marketer of organic and specialty rice and rice products.
Land Description: Our farm is adobe clay, with 3 feet of hardpan and tough soil.
Information resources available: We have information on growing methods, and offer tours of the farm.

ref #:130 Organization

Organic Ag Advisors
PO Box 1622
Colfax CA 95713

Telephone: (916)346-8266
FAX: (916)346-6884
Contact people: Amigo Cantisano
Preferred method of contact: Please contact me by phone or fax during working hours PST.
Sust. Agric. Roles: research consultation, information provider
Major Areas of Sust. Agric. Expertise: organic production, soil management, horticultural crop production-fruits
Primary crop and livestock enterprises: fruit crops, vegetables, agronomic crops, cover crops, ornamentals, beef cattle, dairy cattle, poultry, beekeeping
Description of Sustainable Agriculture work: We provide state-of-the-art research and consultation for growers making the transition to or actively involved in organic and sustainable production of fruits, vegetables, nuts, vines, berries, field crops and horticultural crops. We do in-field monitoring and research on sustainable/organic practices in a wide variety of crops on over 400,000 acres of production in the Western U.S., Mexico and Costa Rica. Our specialties include biological control of insects, disease and weeds, bioassays of soils and plant tissue; innovative low-cost, ecological fertilization practices; foliar feeding, cover cropping, predator/parasite habitats; and much more.
Information resources available: We have a brochure describing our services to potential clients. All other information is provided to clients.

ref #:131 Organization

Organic Farming Research Foundation
PO Box 440
Santa Cruz CA 95061

Telephone: (408)426-6606
Contact people: Mark Nielson; Bob Scowcroft, Ex. Dir.
Preferred method of contact: Call or write anytime.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: on-farm research, funding
Description of Sustainable Agriculture work: We are a foundation with a mission to fund and disseminate the results of organic farming research. Our board consists of 10 organic farmers producing a variety of crops. OFRF is currently focusing its funding on research into pest control, habitat management, soil biology and cover crops. The emphasis is on on-farm projects with farmer involvement at all stages.
Land Description: No research site.
Information resources available: brochures, pamphlets

ref #:132 Organization

Rural Development Center
PO Box 5415
Salinas CA 93915

Telephone: (408)758-1469
Contact people: Ann Baier, Mr. Nestor Marin
Preferred method of contact: I prefer to be contacted by mail or by telephone during working hours PST. We are in and out of the office (in the field) a lot during the day, and often stay late.
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, horticultural crop production-vegetables, organic production
Primary crop and livestock enterprises: vegetables, cut flowers, solanaceous vegetables
Description of Sustainable Agriculture work: The Rural Development Center is an educational, training and resource center, working primarily with farm workers who are striving to make the transition to being small farmers. It is a project of the Association for Community Based Education (ACBE). The RDC is developing educational programs and on-farm research with farmworkers (primarily of Mexican origin) who have lived and worked

several years in the Salinas Valley region. We provide practical classes, land, technical assistance, equipment and water at low cost to low-income people who want to be independent small farmers and would have little opportunity to study elsewhere. At the Center, they acquire the skills and experience needed to manage their own small farming operation. We emphasize ecological agriculture and community development.
Land Description: The Center is located in the Salinas Valley and is surrounded by commercial vegetable farms — mostly lettuce and broccoli.
Information resources available: We are developing instructional handouts in Spanish on all components of our program. These are still in draft form, but we would be glad to exchange ideas and drafts with others working with the Spanish-speaking community (especially in the U.S.). These will include basic soils, cover crops, integrated pest management, plant nutrients, on-farm research, planting, marketing, record-keeping, etc.

ref #:133 Organization

Sustainable Ag Research & Ed. Prog.
SAREP
University of California
Davis CA 95616

Telephone: (916)752-7556
FAX: (916)752-4361
Electronic address: Inter:jsauburn@ucdavis.edu, Bitnet:jsauburn@ucdavis
Contact people: Jill S. Auburn, David Chaney, Chuck Ingels, David Campbell, Lyra Halprin
Preferred method of contact: Contact us by mail, e-mail and fax, or by telephone between 8 a.m. and 5 p.m. PST.
Sust. Agric. Roles: information provider, funder of research
Major Areas of Sust. Agric. Expertise: information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, fruit crops, vegetables, dairy cattle
Description of Sustainable Agriculture work: The University of California SAREP funds research and education within California, and develops and disseminates information from funded projects and many other sources. UC SAREP is a statewide program that funds research and education projects within California, and develops and disseminates information in publications, databases, meetings and other Extension activities. Our staff does not generally advise individual farmers (as an Extension farm advisor or consultant would); rather we provide information sources, within California, but we network strongly with other states. Products and services include publications, databases, meetings, presentations and more.
Information resources available: We have a free quarterly newsletter and other information that we will mail upon request — including information on for-sale publications and videos, and how to access our databases.

ref #:134 Organization

UC Statewide IPM Project
University of California
Davis CA 95616

REF.
133-
135

Telephone: (916)752-8350
FAX: (916)752-6004
Contact people: Frank Zalom, Dr. Mary Louise Flint
Preferred method of contact: We would prefer to be contacted by mail or telephone.
Sust. Agric. Roles: research & Extension, information provider
Major Areas of Sust. Agric. Expertise: pest management, information transfer/education, farm safety
Primary crop and livestock enterprises: small grains, fiber crops, sugar crops, forage crops, small fruits, dairy cattle, poultry, beekeeping, beef cattle
Description of Sustainable Agriculture work: Our program develops, adapts and extends research-based information for integrated pest management emphasizing biological controls, cultural controls and cropping systems analysis. IPM Project research focuses on biological controls, cultural controls, commodity-pest interactions, monitoring systems and systems applications. The project maintains large computer databases for weather and pest management guidelines, and produces software for pest management. It employs a group of Extension area IPM farm advisors located in several California locations. It produces a series of IPM manuals, the UC Pest Management Guidelines and specialized publications on various aspects of pest management. Educational materials and conferences are produced for training pesticide applicators and farmworkers in pesticide safety.
Information resources available: brochures, pamphlets, books, electronic database, meetings, slides

ref #:135 Organization

University of California
University Extension
Davis CA 95616

Telephone: (916)757-8899
FAX: (916)757-8634
Contact people: Dennis Pendleton
Preferred method of contact: I prefer to be contacted via telephone at above number during working hours PST, or via mail.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am involved with University of California Extension programs in agriculture and natural resources management. I am working to develop and conduct Extension courses, workshops and conferences on sustainable agriculture topics. We emphasize practical and immediately useful information.
Information resources available: brochures, pamphlets, factsheets, monographs, proceedings, conventions, field days, courses

ref #:136 Organization

University of California
Sustainable Agriculture Prog.
260 Hunt Hall
Davis CA 95616-8515

REF. 136-139

Telephone: (916)752-7757
FAX: (916)752-4361
Contact people: Montague W. Demment
Preferred method of contact: I prefer to be contacted by telephone during working hours PST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil management, water management, agronomic crop production
Primary crop and livestock enterprises: small grains, vegetables, agronomic crops, cover crops, forage crops, beef cattle, sheep, wildlife
Description of Sustainable Agriculture work: I am the director of the UC Davis Sustainable Agriculture program and the 100-year experiments (LTRAS) on the impact of cropping systems on the environment. I am directing the first long-term experiment in cropping systems under irrigation. The study evaluates the performance of 10 cropping systems that differ in the level of inputs. Evaluation will include resource use efficiency, productivity and environmental impact.
Land Description: California Animal Range and mountain meadows
Information resources available: technical publications

ref #:137 Organization

University of California
UC Small Farm Center
1333 Research Park Drive
Davis CA 95616

Telephone: (916)757-8913
FAX: (916)757-8579
Contact people: Ronald E. Voss, Mr. David Visher, Ms. Claudia Myers
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, marketing, organic production
Primary crop and livestock enterprises: specialty fruits and vegetables, vegetables, fruit crops, cover crops, specialty industrial crops, specialty exotic livestock
Description of Sustainable Agriculture work: We are a special program of the University of Calif., Division of Agriculture and Natural Resources, developing and delivering information that will facilitate more rapid adoption of sustainable agriculture practices, particularly by small-scale producers and marketers. As a Cooperative Extension unit, we organize conferences (e.g., Organic Farming Symposium Farm Conference '92), write publications (e.g., Specialty and Minor Crop Handbook, Proceedings of Organic Farming Symposiums, Manual on Education Methodologies in Sustainable Agriculture), publish newsletters (e.g., Small Farm News), address needs of non-traditional farmers (e.g., SE Asians, Hispanics), and conduct social science research (e.g., LISA project, "Information Delivery Systems for Use in/Implementation of LISA Research and Technology").
Information resources available: We have books and leaflets on specialty crops and animals, and pamphlets on alternative marketing, farm management. We are in the process of publishing a proceedings of 1992 Organic Farming Symposium and an entry-level farming manual. We have a library, with emphasis on specialty crops/animals, marketing and organic agriculture.

ref #:138 Organization

University of California
UC Statewide IPM Project
IPM Education/Publications
Davis CA 95616

Telephone: (916)752-7692
FAX: (916)752-9336
Electronic address: mlflint@ucdavis
Contact people: Mary Louise Flint, Frank Zalom (IPM project), Joyce Strand (IPM project)
Preferred method of contact: Contact us by fax, mail or telephone from 8 a.m. to 5 p.m., weekdays PST.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: pest management, information transfer/education
Primary crop and livestock enterprises: agronomic crops, forage crops, fruit crops, ornamentals, vegetables
Description of Sustainable Agriculture work: I am a University of California entomologist/IPM specialist investigating least toxic ways to manage pests, including biological control, cultural controls and selective pesticides. I have investigated alternative pest management practices in a wide range of crops in the western U.S. through the development of the University of California's IPM publications, for which I am technical editor. My book, "Pests of the Garden and Small Farm: A Grower's Guide to Using Less Pesticides," reviews some of this information. I am currently doing research related to release of natural enemies and IPM in landscapes.
Information resources available: We produce 100- to 350-page books on how to use integrated pest management to control pests in various crop and landscape situations. All have 150 to 250 color photos of pests and damage. We also produce IPM guidelines for many crop and ornamental situations — these are also computer accessible.

ref #:139 Organization

USDA-CSRS Sust. Ag. Research Program
Univ. of Calif., Div. of Agri.
300 Lakeside Drive, 6th Floor
Oakland CA 94612

Telephone: (510)987-0029
FAX: (510)832-8612
Electronic address: danrdsx@uccvma.ucop.edu
Contact people: David Schlegel, Denise Bodie (510)987-0033
Preferred method of contact: I prefer to be contacted by e-mail.

Sust. Agric. Roles: federal grants program, information provider
Major Areas of Sust. Agric. Expertise: grants management, information transfer/education
Description of Sustainable Agriculture work: I am the coordinator for the USDA/CSRS Western Region, Sustainable Agriculture Research and Education competitive grant program. I manage the competitive grant program for the Western Region. This includes developing and mailing the "call for proposals," identifying reviewers, conducting the review and ranking the proposals, presenting the rankings to the Administrative Council, and developing the plan of work for submission to the USDA for approval. Respond to questions about the program, participate in on-site reviews, and participate in related national and regional policy development.
Information resources available: book on cover crops, summary of Western SARE projects, misc. brochures on sust. agri.

ref #:140 Organization

World Sustainable Agriculture Assn.
8554 Melrose Ave.
West Hollywood CA 90069

Telephone: (310)657-7202
FAX: (310)657-3884
Electronic address: EUH6JPM@MVS.OAC.UCLA.EDU
Contact people: Patrick Madden; Roger Blobaum, 1331 Pennsylvania Ave. NW, Suite 907 North Tower, Washington, D.C. 20004
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, farmer-to-farmer exchange
Description of Sustainable Agriculture work: The World Sustainable Agriculture Association (WSAA) is an international organization dedicated to the well-being of all mankind, in harmony with Nature, bringing together people from Eastern and Western cultures, regardless of race or creed. We globally sponsor and encourage research, information exchange and enlightened public policy in support of sustainable farming practices. As citizens of the world, we must adapt our agriculture to the sustainable ideal in order to preserve our environment, our health and well-being. Toward that end, WSAA is forming nine directorates: the directorates of Agricultural Producers, Research, Public Policies, Marketing and Consumer Affairs, Publications, Education, Information Exchange, Health, and Arts and Humanities. We are also establishing regional headquarters, experimental farms, model farms and local chapters. These endeavors have participation from universities, government agencies, farmers, health professionals and many others.
Land Description: Research and demonstration farms in several countries are affiliated with WSAA: Argentina, Brazil, Costa Rica, India, Japan, Mexico, Thailand and U.S.
Information resources available: brochures, pamphlets, newsletter, proceedings, meetings, public speakers, video

REF.
140

COLORADO

REF. 141-144

ref #:141 Individual

Marcie Brewster
1641 Ivy
Denver CO 80220

Telephone: (303)388-8814
Preferred method of contact: It is easiest to reach me in the evenings or early mornings.
Sust. Agric. Roles: part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, agricultural economics, information transfer/education
Primary crop and livestock enterprises: vegetables, greens (including salads), solanaceous vegetables, ornamentals, cut flowers
Description of Sustainable Agriculture work: I am a market-gardener interested in economically viable small-farm models. I currently work at Hedgerow Farm in Boulder, CO. I have market-gardened in Arkansas and Virginia, as well. I am experienced in Community-Supported Agriculture, marketing to gourmet food stores and at farmers markets.
Land Description: The farm is at 6,000 feet elevation, with approximately 3 acres in vegetables. We have many hand-maintained annual and perennial beds, along with 2 acres under Elliot Coleman-style management.
Information resources available: internships

ref #:142 Individual

Whitney Cranshaw
Colorado State University
Dept. of Entomology
Fort Collins CO 80523

Telephone: (303)491-6781
FAX: (303)491-0564
Preferred method of contact: I prefer to be contacted by telephone during working hours MST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: pest management, insects
Primary crop and livestock enterprises: nonfruit nursery, solanaceous vegetables, onions and related crops, greenhouse or nursery, cole crops
Description of Sustainable Agriculture work: I am an entomologist with research and Extension interests in alternative pest management on vegetable, fruit and landscape horticultural crops. I conduct research with biological insect controls (native and introduced), evaluate host plant resistance of vegetable crops to insect pests, and test selective chemical controls (e.g., soaps, oils, neem).
Information resources available: We have factsheets on biology and management of various insect plants. Slide sets and bulk slides are available on a wide variety of insect pests. Several manuals on insect biologies and controls (particularly vegetable and shade tree pests) are in development. We recently published (privately) the book, "Pests Of The West."

ref #:143 Individual

John Ellis
Farmer John's
RR 2
3889 75th
Boulder CO 80301

Telephone: (303)440-0750
Preferred method of contact: I'm usually near the phone around noon to 1 p.m. MST, and after 8:30 p.m. until 10:30 p.m. My answering machine is hard to understand but records messages fine.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, organic production, water management
Primary crop and livestock enterprises: legume forages, nonlegume forages, cut flowers, vegetables
Description of Sustainable Agriculture work: I am a small-scale vegetable and medium-scale hay grower trying to promote organic agriculture to my mainstream neighbors. This area is rapidly becoming urbanized, so there aren't many other farmers in the area. My farming operation, Farmer John's, consists of about 140 acres of alfalfa and grass hay and about 15 acres of vegetables including 5 acres of sweet corn, 4 acres of pumpkins, 2 acres of winter squash, and less than 1 acre of asparagus, tomatoes, okra, snap peas and lettuce. I am growing 6 acres of green beans with a neighbor (he has extra certified organic land and I have a mechanized bean picker). I also grow about ½ acre of flowers for fresh and dried uses. I usually try one or two different crops each year but usually only keep growing them 33% of the time. Most of my veggies are sold at the Boulder County Farmers Mart. The members of the market usually share ideas and growing procedures. I grow organically although my farm is not certified organic.
Land Description: My land is mostly level or gently sloping, irrigated farmland. Steeper slopes are kept in permanent hay ground. Soil consists of sandy loam with some spots of clay and others of "Pit run" gravel with little topsoil. All of it has some rocks.

ref #:144 Individual

Andy Grant
Piedmont Farms
1020 WCR72
Wallington CO 80549

Telephone: (303)568-7654
FAX: (303)568-7655
Contact people: Peter LeCompte, Del Fiminez, Lewis Grant
Preferred method of contact: Contact me during summer from 6 a.m. to 7 p.m., Monday through Saturday; and during winter from 8 a.m. to 5 p.m., Monday

through Friday.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, agronomic crop production
Primary crop and livestock enterprises: small grains, cover crops, legume cover crops, forage crops, non-legume forages, beef cattle
Description of Sustainable Agriculture work: We are an integrated organic farm operation growing and marketing vegetables, grains & livestock. We market our crops locally, regionally, nationally and internationally. Piedmont Farms grows over 40 vegetable crops and 200 species. Our main crops are squash, cucumbers, lettuce, greens, onions and brassicas. We ship by all available means including truck, air and cargo ship. We do quite a bit of on-farm fertility and pest research in conjunction with Colorado State University. We are certified by the Colorado Department of Agriculture.
Land Description: Piedmont Farms is a collection of owned and leased farms over a 10-square-mile area in far northern Colorado.
Information resources available: brochures, pamphlets, Availability Sheets

ref #:145 Individual

Terence J. Hall
The Hall Grain Company
PO Box 350
Akron CO 80720

Telephone: (303)345-2206
FAX: (303)345-6680
Contact people: Paul Wagner
Preferred method of contact: Call between 8 a.m. and 5 p.m. MST.
Sust. Agric. Roles: supply &/or service provider
Major Areas of Sust. Agric. Expertise: pest management, organic production
Description of Sustainable Agriculture work: Our firm is a grain merchandiser, and packages bird seed for Audubon Park company. We are an organic supplier of millet and wheat. We publish a price sheet which we mail to bird seed customers. We sell bulk ingredients for bird seed as well as packaged mixes.

ref #:146 Individual

Calvin J. Kuska
KUSKA/ASSOCIATES
8547 E. Arapahoe Rd.
Suite J-221
Greenwood Village CO 80126

Telephone: (303)791-8639
FAX: (303)850-0623
Preferred method of contact: I prefer to be contacted by mail at above address.
Sust. Agric. Roles: information provider, service provider
Major Areas of Sust. Agric. Expertise: marketing, information transfer/education, composting
Description of Sustainable Agriculture work: I have over 20 years of practical experience in composting application, production and utilization on a home, farm, municipal and commercial scale. I currently write and publish two internationally circulated newsletters (average 2,000 circulation) on composting and sustainable agriculture, as well as provide technical program and development support to homeowner groups, farmers, municipal recycling coordinators and contractors on composting. I also prepare training materials on composting and maintain an active information source file.
Information resources available: We have newsletters which provide information on various aspects and applications of compost for sustainable growth.

REF. 145-148

ref #:147 Individual

Charles W. Laughlin
Colorado State University
16 Administration Bldg.
Fort Collins CO 80523

Telephone: (303)491-5371
FAX: (303)491-7396
Preferred method of contact: I prefer to be contacted by fax or phone during working hours MST.
Sust. Agric. Roles: administrator, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am past coordinator of the Southern Regional Sustainable Agriculture Program and administrative advisor for Information Exchange Group 48 — Alternative Sustainable Agriculture.
Information resources available: We have research and Extension bulletins and reports.

ref #:148 Individual

Doug Waugh
Waugh-Sum Acres
1636 West Co Rd 8
Berthood CO 80513

Telephone: (303)532-2590
Preferred method of contact: Contact anytime via mail or telephone.
Sust. Agric. Roles: full-time farmer/rancher, supply &/or service provider
Major Areas of Sust. Agric. Expertise: organic production, livestock production, tillage
Primary crop and livestock enterprises: vegetables, small fruits, feedgrains, cover crops, beef cattle
Description of Sustainable Agriculture work: We organically grow a variety of small fruits, vegetables and beef. All we grow is certified organic so we can raise organic beef along with our strawberries, raspberries and a wide variety of vegetables and edible beans. Along w/ the corn & alfalfa for our feeders, we grow a cover crop pasture for the cow/calf herd. We sell a supply of natural fertilizers and biological controls for the local organic growers & homeowners. We do farm shows on the "Bezzerides" in-the-row weeder & the Yeoman Keyline

Plow. This exposes mainline farmers to some of the tools for transition into more sust. ag methods. We have assisted the state univ. integrate into their research program comparisons on methods for weed control w/o herbicides versus w/herbicides.

REF. 149-152

Information resources available: We have literature sheets & field days on the Yeoman Keyline Conservation Tillage Plow and the Bezzerides in-the-row weeders attached to a floating gang cultivator. We coordinate bulk/bag orders of soft rock phosphate and Planters II trace mineral fertilizers. We sell composted dairy manure and liquid fish/kelp, and Nitron enzyme soil conditioner.

ref #:149 Organization

Colo. Organic Producers Assn.
1020 W. County Road 72
Wellington CO 80549

Telephone: (303)568-7654
FAX: (303)568-7655
Electronic address: econet OFACCO
Contact people: Peter LeCompte
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education
Description of Sustainable Agriculture work: COPA strives to encourage and facilitate the production (and transition toward), information transfer, marketing and consumption of organically grown foods. COPA promotes sustainable ag by sponsoring farm tours, conferences, workshops and meetings; by sponsoring a public organic foods fair; by publishing a newsletter and a marketing directory; by monitoring the Colorado Department of Ag Organic Certification program; and by participating in other state, regional and national organic and sustainable ag networks.
Information resources available: brochures, pamphlets, newsletter, field days, meetings, public speakers

ref #:150 Organization

Farmers Software Assn.
PO Box 660
1427 Front Nine
Fort Collins CO 80522

Telephone: (303)223-4093
Electronic address: ATTMAIL!nhavermale
Contact people: Neil Havermale
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: on-farm information systems, soil management, agronomic crop production
Primary crop and livestock enterprises: agronomic crops, cover crops, fruit crops, ornamentals, vegetables, dairy cattle, hogs, warm-water aquaculture
Description of Sustainable Agriculture work: Farmers Software Assn. is a distributor of fine agricultural softwares for farm accounting, crop records, and breeding and herd records, as well as agronomic planning models. FSA is also a leader in the integration of geographical information systems (GIS), global positioning systems (GPS), and monitor and control systems leading to automated systems for precision farming. FSA during 1991 and 1992 perfected technologies needed for the emerging practices known as PRECISION FARMING. Precision farming or farming-by-the-foot offers adopters of the technology and associated practices improved efficiency, economy and reduced environmental consequences. Precision farming offers many benefits for sustainable farming.
Information resources available: We publish a software catalog and develop written reviews of software systems distributed by us.

ref #:151 Organization

Rocky Mountain Institute
1739 Snowmass Creek Road
Snowmass CO 81654

Telephone: (303)927-3851
FAX: (303)927-4178
Contact people: Jim Dyer
Preferred method of contact: I prefer to be contacted by mail if possible, but you may call or fax.
Sust. Agric. Roles: researcher, gov't. policy development
Major Areas of Sust. Agric. Expertise: information transfer/education, water management, energy efficiency
Description of Sustainable Agriculture work: The Agriculture Program at RMI exists to promote and facilitate the efficient and appropriate use of resources in agriculture. Our primary resource focus is on water and energy use.
Information resources available: We have publications available in agriculture and water efficiency. Send for our publications list.

ref #:152 Organization

U.S. Soil
Box 926
Salida CO 81201

Telephone: (719)539-3535
FAX: (719)539-3531
Contact people: H.E. Owen
Preferred method of contact: I prefer to be contacted via telephone M-Th, 8 a.m.-4:30 p.m. Mt. Time Zone.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: soil fertility, soil management, soil biology
Primary crop and livestock enterprises: small grains, root vegetables, vegetables, forestry, forage crops, beef cattle, horses, hogs
Description of Sustainable Agriculture work: I am a plant ecologist involved in marketing an organic trace mineral fertilizer. I taught college for many yrs. advocating such practices as minimum tillage, IPM, minimum or no pesticide use. U.S. Soil has been "preaching" sustainable agri. and "remineralization" for over 40 years.
Land Description: Irrigated pasture and hay land.
Information resources available: We have a brochure

explaining our concepts regarding sustainable agri. (The Holosyn Approach) and data demonstrating the efficiency and importance of our trace mineral fertilizer — Planter II.

ref #:153 Organization

White Mountain Farm Inc.
8890 Lane 4 North
Mosca CO 81146

Telephone: (719)378-2436
FAX: (719)378-2346
Contact people: Paul New, Ernest New
Preferred method of contact: The best time to reach us is 7:30-8:30 a.m. MST, by phone (719)378-2436.
Sust. Agric. Roles: full-time farmer/rancher, market development
Major Areas of Sust. Agric. Expertise: quinoa production, organic production, marketing
Primary crop and livestock enterprises: quinoa, tuber vegetables, vegetables
Description of Sustainable Agriculture work: We are a medium-sized farm with the primary goal of est. quinoa as a legitimate crop in the U.S. With our primary crop of quinoa we rotate several cool-climate vegetables (broccoli, carrots, potatoes) and some short-season legumes. We also work closely with other local organic growers.
Land Description: Our farm is located in the San Luis Valley. This is a high mountain desert valley, elevation 7,600 feet. Sandy loam soil; very cold winters; short, cool growing season.
Information resources available: We do have a generic factsheet, but most of our work is done on an individual-need basis.

REF. 153

CONNECTICUT

REF. 154

ref #:154 Individual

Kimberly A. Stoner
Connecticut Agri. Exp. Station
PO Box 1106
New Haven CT 06504

Telephone: (203)789-7246
FAX: (203)789-7232
Preferred method of contact: Contact me during working hours at above number. If I am not there, leave a message at (203)789-7241 or send a fax at above number.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: insects, plant breeding
Primary crop and livestock enterprises: cole crops, solanaceous vegetables, cucurbits, onions and related crops
Description of Sustainable Agriculture work: I do research on plant resistance to insects and cultural methods of insect control in vegetable crops. I do research on plant resistance to insects in broccoli, cauliflower and other cole crops and on using mulches and organic amendments to reduce Colo. potato beetle and other pests in potatoes. I did a comprehensive bibliography of plant resistance to insects in all vegetables and legumes. I give talks and workshops on vegetable insects and control methods for gardeners and farmers and produce insect factsheets.
Land Description: Our research site consists of two experiment station farms. One has upland mineral soils and is very hilly. The other is in the Connecticut River Valley, with a fine, silt loam soil and is very fertile and quite flat.

DISTRICT OF COLUMBIA

ref #:155 Individual

Roger Blobaum
Blobaum and Associates
907 North Tower
1331 Pennsylvania Ave. NW
Washington DC 20004

Telephone: (202)347-0633
FAX: (202)347-0654
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: information provider, gov't. policy development
Major Areas of Sust. Agric. Expertise: policy development, information transfer/education, organic production
Description of Sustainable Agriculture work: I provide management, fundraising and public policy development services to organizations and institutions. As a consultant I provide professional services to nonprofit organizations and institutions involved in organic and/or sustainable agriculture. This includes providing advice on policy-related issues in Washington, representing them with international agencies and handling special projects. I also do some public speaking.
Information resources available: I have brochures & other printed material on sust. agri. organizations, networks & projects throughout the world. Because of my work in organizing four national conferences, I have a great deal of info. on organic/sust. agri. practitioners, organizations, agencies, activists, networks, programs, institutions & projects. I provide management & public policy development services to nonprofit organizations.

ref #:156 Individual

Gregory R. Gajewski
USDA Economic Research Service
1301 New York Ave. NW
Room 1134
Washington DC 20005

Telephone: (202)219-0888
FAX: (202)219-0042
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agricultural economics
Primary crop and livestock enterprises: specialty industrial crops, agronomic crops, cover crops, cold-water aquaculture, warm-water aquaculture
Description of Sustainable Agriculture work: I am the coordinator for the Sustainable Agriculture Economic Impact Study, a national initiative under the SARE/ACE program. As the coordinator of the Sustainable Agriculture Economic Impact Study, I work with primarily university researchers conducting farm/ranch-level studies in six regions to estimate the economic, environmental and social effects of moving toward a more sustainable agriculture. With the estimated farm/ranch-level effects in hand, we will estimate regional, national and international impacts. We plan to have results in hand in time for the next farm bill. In addition, I am the leader, Aquaculture & Alternative Products Analysis Section in ERS-USDA.
Land Description: The Economic Research Service provides economic and other social science information to serve the public, and to help Congress and the administration to develop, administer and evaluate agricultural and rural policies and programs.
Information resources available: We have several survey articles on the economics of sustainable agriculture, published in "Agricultural Outlook," which we can mail to interested parties. As our project generates results, we plan to write additional articles that we will be willing to mail out as well.

ref #:157 Individual

Richard Kashmanian
U.S. Environmental Protection Agency
Policy, Plan. & Eval. PM-221
401 M Street SW
Washington DC 20460

Telephone: (202)260-5363
FAX: (202)260-7884
Preferred method of contact: I prefer to be contacted by mail, or by phone during working hours EST.
Sust. Agric. Roles: gov't. policy development, technical info. assistance
Major Areas of Sust. Agric. Expertise: composting, using compost
Description of Sustainable Agriculture work: I am an economist/policy analyst studying the economic and environmental costs and benefits of producing and using compost. As an economist/policy analyst, I am studying the role of composting to manage livestock manures; and using compost to reduce erosion, replenish eroded soils, improve soil fertility, etc.

ref #:158 Individual

Sandra Schlicker
McMahon and Associates
1331 Pennsylvania Ave. NW
Suite 909
Washington DC 20007

Telephone: (202)662-7400
FAX: (202)662-7035
Preferred method of contact: I prefer to be contacted by telephone or fax, during working hours EST.
Sust. Agric. Roles: gov't. policy development, gov't. policy administration
Major Areas of Sust. Agric. Expertise: lobbying, infor-

mation transfer/education
Description of Sustainable Agriculture work: I am a public affairs specialist working to include sustainable agriculture in all aspects of USDA policy and legislation. As a public affairs specialist, I was deeply involved in securing the initial LISA appropriation and working with USDA to implement the program. We continue to work with LISA, USDA and Congress in trying to include sustainable agriculture research and information dissemination in all programs at USDA.
Information resources available: brochures, pamphlets, internships, meetings, public speakers

ref #:159 Individual

Ann M. Vandeman
USDA Economic Research Service
1301 New York Ave. NW
Room 532
Washington DC 20005-4788

Telephone: (202)219-0405
FAX: (202)219-0477
Electronic address: rtriav@ers
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agricultural economics, horticultural crop production-vegetables, pest management
Description of Sustainable Agriculture work: I am an agricultural economist researching alternative pest control in vegetable and fruit production nationally and the role of IPM programs in reducing pesticide use. I work in the USDA to provide more and better data on the use of pesticide alternatives among fruit and vegetable growers in all the major producing states. In my research I examine the adoption of IPM, its effect on chemical use and its effect on costs and returns.
Information resources available: We generate periodic reports on pesticide use. We are working on the first report of survey results including information on alternative practices used in vegetables from a 1990 survey. Other reports are planned. We offer internship positions (paid) for students interested in agricultural economics and environmental issues. Interns must have a minimum of one year of undergraduate economic or agricultural economics.

ref #:160 Individual

Utpal Vasavada
USDA Economic Research Service
Resource Indicator Br. Rm. 532
1301 New York Ave. NW
Washington DC 20005

Telephone: (202)219-0432
FAX: (202)219-0477
Electronic address: RTRIUV@ERS.BITNET
Contact people: Michael Leblanc
Sust. Agric. Roles: gov't. policy administration, researcher
Major Areas of Sust. Agric. Expertise: agricultural economics, pest management, soil conservation
Primary crop and livestock enterprises: feedgrains, vegetables, fruit crops
Description of Sustainable Agriculture work: I am a researcher involved in database development and economic analysis of sustainable farms in the U.S. At the present time, I analyze survey information on major chemically intensive field crops, vegetables and fruits.
Information resources available: We have research reports and factsheets about chemical use patterns, tillage practices, etc.

ref #:161 Organization

Humane Society of the U.S.
2100 L St. NW
Washington DC 20037

Telephone: (202)452-1100
FAX: (202)778-6132
Contact people: Don Deichman; Melanie Adcock, DVM; Michael W. Fox, DVM
Preferred method of contact: I would like to be contacted by mail, fax or telephone during working hours EST.
Sust. Agric. Roles: animal protection, farm advocacy and support
Primary crop and livestock enterprises: chicken, beef cattle, hogs, dairy cattle, sheep
Description of Sustainable Agriculture work: We advocate, among farmers and consumers, humane sustainable agriculture, which is a food system wherein livestock and poultry, raised under conditions that satisfy their physical and behavioral needs, have an integral role. Within the Farm Animals/Bioethics section for the 1.4 million-member Humane Soc. of the U.S., I am director of the Humane Sus. Agr. Program. With section head Dr. M. Fox & Farm An. director Dr. M. Adcock (both veterinarians), I work to advance public discussion of both farm animal & societal benefits of resisting the trend toward "factory-farm" agri. We help edit a national listing (The Humane Consumer & Producer Guide) to aid the marketing of farm animal products humanely and sustainably produced, and help conduct the annual Future Trends in Animal Agr. Conference. Our section also, in collaboration with organic livestock and other producer groups, is developing guidelines for humane husbandry.
Information resources available: We have factsheets and monographs on animal husbandry and public policy considerations.

ref #:162 Organization

Midwest SAWG and the SAC
110 Maryland Ave. NE, Box 76
Washington DC 20002

Telephone: (202)547-5754
FAX: (202)547-1837
Electronic address: Handsnet network — HN1561
Contact people: Marta Cleaveland, Ferd Hoefner
Preferred method of contact: Contact by phone, fax, mail, e-mail or in person during regular working hours EST.
Sust. Agric. Roles: gov't. policy development, farm advocacy and support

Major Areas of Sust. Agric. Expertise: federal agri. policy development, federal cons./resource protection policy

Description of Sustainable Agriculture work: Midwest Sust. Agri. Working Group is a network of non-profit farm, food, environmental, religious & rural organizations that advocates public policies supporting the long-term sust. of agri., natural resources & rural communities. Sust. Agri. Coalition is a sub-group of SAWG. Its 10 member organizations work directly w/farmers & coalesce to take joint public positions on federal policy issues. The Midwest SAWG & its grassroots farmer sub-group, SAC, develops & advocates policy supporting long-term sust. of ag, nat. res. & rural communities. SAWG promotes ideal Amer. ag that is econ. profitable, ecol. sound, family farm based and soc. just. SAWG's three policy comms. develop its agenda and priorities — research & Extension, commodities & trade, and conservation and environ. protection. Members are midwestern orgs. or natn'l orgs. w/Midw. presence. Meetings are 3x's per yr. to share info and dev. policy positions. SAWG also maintains a liaison relationship with new Southern SAWG and new sust. ag networks in West & NE. Groups work together to develop joint policy proposals for 1995 Farm Bill.

Information resources available: Booklet — "Sust. options guide to farm & conservation programs in the 1990 Farm Bill." Position papers on a variety of federal policy issues relating to sust. agri. & resource conservation. Action alerts & legislative updates on key federal legislation, proposed agency rules, etc.

ref #:163 Organization

Natural Resources Defense Council
1350 New York Avenue NW
Washington DC 20005

Telephone: (202)783-7800
FAX: (202)783-5917
Contact people: Justin Ward, Robbin Marks
Preferred method of contact: We prefer to be contacted by telephone or fax during working hours EST, or by mail.
Sust. Agric. Roles: gov't. policy development, researcher
Major Areas of Sust. Agric. Expertise: soil management, water quality, farm management
Description of Sustainable Agriculture work: NRDC is a national nonprofit environmental organization with more than 165,000 members dedicated to the protection of natural resources, public health and environmental quality in the United States and worldwide. Through various program activities, NRDC promotes adoption of farming systems that protect and enhance natural resources. For more than a decade, the Natural Resources Defense Council has maintained an Agriculture Program whose basic objectives are to develop, publicize and support policies that put sustainable farming methods on equal footing in the domestic and international food production system and protect soil, water and public health. The program's major accomplishments in recent years are embodied in conservation reforms in the 1985 and 1990 Farm Bills. Protecting and elaborating these gains will remain on our agenda in the future.
Information resources available: We produce publications concerning policy issues surrounding sustainable agriculture and resource protection.

REF. 163-165

ref #:164 Organization

USDA Economic Research Service
Room 1134
1301 New York Ave. NW
Washington DC 20005-4788

Telephone: (202)219-0888
FAX: (202)219-0042
Electronic address: Gregg@ERS
Contact people: Gregory R. Gajewski, Utpal Vasavada, Ann M. Vandeman, Linda Calvin
Preferred method of contact: I prefer to be contacted by mail, or telephone during working hours EST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agricultural economics, information transfer/education
Primary crop and livestock enterprises: agronomic crops, vegetables, fruit crops, forage crops, cover crops, beef cattle, hogs, dairy cattle, poultry, cold-water aquaculture
Description of Sustainable Agriculture work: The Economic Research Service-USDA, an agency of the federal government, conducts research on the economic and environmental effects of sustainable agriculture. ERS is coordinating the Sustainable Agriculture Economic Impact Study, a national initiative under the SARE program, funded by USDA & EPA. The study will estimate the economic, environmental & social effects of shifting to a more sustainable agriculture on the farm, regional, national and international levels. Policy implications will be emphasized. ERS researchers are also studying: 1) alternative nutrient management systems, 2) integrated pest management, including the adoption patterns and effects on chemical use & profits, & 3) the structure, size & composition of the commercial scouting industry. Researchers are also developing a conceptual framework for a systems approach to sustainable agriculture.
Information resources available: ERS research is disseminated through a variety of agency publications as well as industry and academic journals. ERS publications can be ordered by calling 1-800-999-6779 (U.S. & Canada) or (301)725-7937. Recent articles include: "Sustainable Agriculture: What's it All About?" Agricultural Outlook (AO-185) May 1992 ERS-USDA; and "Sustainable Agriculture: Putting it into Practice," Agricultural Outlook (AO-187) July 1992, ERS-USDA.

ref #:165 Organization

USDA Office for Small-Scale Agriculture
Suite 328 Aerospace Bldg.
Co-Op State Research Service
Washington DC 20005

Telephone: (202)401-1805
FAX: (202)401-1804
Contact people: Howard (Bud) W. Kerr Jr.

Preferred method of contact: I prefer correspondence. Writers are asked to provide a telephone number and where/when they can be reached.
Sust. Agric. Roles: gov't. policy administration, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I have served as director of the USDA's Office for Small-Scale Agriculture since 1986. We provide national leadership to a USDA program that supports those people engaged in primary small-scale agriculture. USDA publishes a quarterly newsletter, "Small-Scale Agriculture Today," a series (20) of one-page factsheets, such as "A Small-Scale Agriculture Alternative," "Herbs," "Beekeeping," etc.; and a 9-minute video, "The Perfect Tomato, The Ideal Blackberry: Making Money on Small-Scale Agriculture."
Information resources available: brochures, pamphlets, factsheets, monographs, newsletter

REF. 166

ref #:166 Organization

World Resources Institute
1709 New York Ave. NW
Washington DC 20006

Telephone: (202)662-3499
FAX: (202)638-0036
Electronic address: World-Resources@mcimail.com (Internet)
Contact people: Paul Faeth, Lori Ann Thrupp, John Westra
Preferred method of contact: Contact me by telephone during work hours EST.
Sust. Agric. Roles: gov't. policy development, researcher
Major Areas of Sust. Agric. Expertise: agricultural economics, farm policy, environmental impacts
Description of Sustainable Agriculture work: WRI does economic research using natural resource accounting methods to determine the impacts of policy on farmer decisions and the environment. WRI has undertaken five case studies in four countries exploring the economics of sustainable agriculture. We use natural resource accounting to physically and economically measure sustainability. We also analyze the impact of policy alternatives on private and public welfare when resources damages are included. A new effort will complete the first natural resource accounting study of U.S. agriculture. The effort entails the adaptation of a USDA model to include alternative production systems, and physical and economic natural resource impacts. Policy analysis will determine the most economical practices under a variety of policy options when environmental costs and benefits are included.
Information resources available: We have numerous reports on a variety of resource topics and a database (World Resources Report) in hard and electronic forms.

DELAWARE

ref #:167 Individual

Mark Davis
RD 7 Box 427
Dover DE 19901

Telephone: (302)736-1976
Preferred method of contact: I prefer to be contacted by telephone during evening hours EST.
Sust. Agric. Roles: part-time farmer/rancher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, agricultural economics, farm management
Primary crop and livestock enterprises: agronomic crops, cover crops, legume cover crops, feedgrains, small grains
Description of Sustainable Agriculture work: I am a farmer working with reduced chemical and fertilizer inputs. I also extensively use legume cover crops to help myself remain profitable. As a farmer, I am doing farm-scale research with hairy vetch, crimson clover, and annual ryegrass as cover crops. I am planting corn, soybeans and wheat in a three-year rotation. I am reducing chemicals with this program. I am doing research to determine the nitrogen my hairy vetch and clover are supplying to my corn. I am no-tilling corn and soybeans and utilizing the covers as a mulch to reduce chemicals.
Land Description: I have taken a 195-acre farm and divided it into three 65-acre sections. I have developed a three-year rotation with corn, soybeans and wheat. I have incorporated cover crops with this rotation. I use no-till two out of three years. I have reduced chemical and fertilizer inputs. I want to grow the most for the least.

ref #:168 Individual

Edward R. Jones
Delaware State College
Ag and Natural Resources Dept.
1200 North DuPont Hwy.
Dover DE 19901-2275

Telephone: (302)739-4951
FAX: (302)739-4997
Preferred method of contact: I prefer to be contacted by telephone or fax during working hours EST. Feel free to contact me at home as well at (302) 674-1554.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, farm management
Primary crop and livestock enterprises: legume forages, nonlegume forages, beef cattle
Description of Sustainable Agriculture work: I am an agronomist working with year-round, intensive grazing using a holistic whole-farm approach including utilization by beef cattle. Our primary crops are tall fescue, reed canarygrass, bermudagrass, alfalfa and clovers. The whole-farm approach includes all input-output flow, reducing building, machinery and labor requirements, and minimizes off-farm inputs. Growing and finishing cattle on pasture is researched. Stockpiled forages are used to avoid hay making.
Land Description: Our research site is a 75-acre forage-beef farm with 20 acres of small plots, 13 4.5-acre paddocks that can be subdivided, and small feedlots. We have a 50-cow herd and offspring.
Information resources available: We hold field days at our forage-beef research farm. I speak to or provide workshops for farmers, county agents, agri-business, etc.

ref #:169 Organization

Delaware Cooperative Ext.
4601 S. DuPont Hwy.
Dover DE 19901

Telephone: (302)697-4000
FAX: (302)697-4013
Contact people: Richard A. Barczewski
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, pest management, livestock production
Primary crop and livestock enterprises: agronomic crops, vegetables, ornamentals, forage crops, hogs, sheep, beef cattle, dairy cattle
Description of Sustainable Agriculture work: Extension provides non-biased, research-based information to farmers and other citizens in Delaware
Land Description: Our research site is located on Coastal Plain soils with 0-5% slopes and sandy loam soils.
Information resources available: We have factsheets, brochures, bulletins and newsletters on various aspects of crop and livestock production. This information is available free or for a minimal charge to individuals willing to stop into any county Extension office.

ref #:170 Individual

Thomas A. Bewick
University of Florida
Horticultural Sciences Dept.
Fifield Hall
Gainesville FL 32611

Telephone: (904)392-5017
FAX: (904)392-6479
Electronic address: VCWEED@IFAS.GNV.UFL.EDU
Preferred method of contact: Contact can be made at user's convenience.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: pest management, horticultural crop production-vegetables, organic production
Primary crop and livestock enterprises: vegetables, solanaceous vegetables, small fruits, agronomic crops, turfgrass
Description of Sustainable Agriculture work: I am a horticulturist researching the control of weeds using plant pathogens. At present, I am concentrating on the control of nutsedge, lambsquarter and amaranths, using plant pathogens that are specific to these weeds.
Information resources available: I have reprints of articles I have published in scientific journals.

ref #:171 Individual

Cynthia L. Connolly
PO Box 331
Monticello FL 32344

Telephone: (904)997-7224
Preferred method of contact: I prefer to be contacted via U.S. mail.
Sust. Agric. Roles: full-time farmer/rancher, educator/consultant Int. Ag Edu.
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, horticultural crop production-fruits
Primary crop and livestock enterprises: vegetables, greens (including salads), small grains, grapes, nuts, chicken, exotic livestock, beekeeping
Description of Sustainable Agriculture work: I am an organic farmer with a diversified small-grain, vegetable, fruit and nut operation. The primary grain crops are wheat, rye and oats which I harvest with a small combine. Greenbeans are my largest crop of vegetables but I also grow carrots, tomatoes, swiss chard, greens (collards, mustards, broccoli, cabbage), Chinese vegetables and specialty lettuce like arrugula. I have a muscadine grape vineyard and will be expanding fruit production of small berries in the future. I produce pecans and offer grafting budwood of the Wichita, Farley and Cape Fear varieties.
Land Description: I own just over 50 acres of land with better than average soil and water resources for Fla. I am located in the NW Fla. Water Management district.

ref #:172 Individual

George J. Hochmuth
University of Florida
Horticultural Sciences Dept.
1241 Fifield Hall
Gainesville FL 32611

Telephone: (904)392-7912
FAX: (904)392-6479
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, nutrient management, water management
Primary crop and livestock enterprises: cucurbits, solanaceous vegetables, tuber vegetables, cole crops, root vegetables
Description of Sustainable Agriculture work: I am a horticulturist involved in research and Extension programs pertaining to nutrient management for vegetables. I do on-farm research on fertilizer management using soil testing, drip irrigation and plant tissue analyses. The information is shared through university Extension publications. The objectives of the program are to identify best management programs for nutrient programs for commercial vegetable farms that maximize production efficiency, yet minimize environmental problems.
Land Description: I work on many sites all over Florida ranging from entisols to histisols. Most of my work is done on sandy soils.
Information resources available: bulletins, curricula, factsheets, monographs

ref #:173 Individual

Wendel F. Martinkovic
University of Florida
Pesticide Information Office
Building 847
Gainesville FL 32611

Telephone: (904)392-4721
FAX: (904)392-1988
Electronic address: IN%"WFM@GNV.IFAS.UFL.EDU
Preferred method of contact: I prefer to be contacted via electronic mail, although any means of communication is acceptable.
Sust. Agric. Roles: part-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, herbs
Description of Sustainable Agriculture work: I am an organic gardener gaining practical experience in bio-

logic, organic techniques with hopes of being an organic farmer. I work full-time as an assistant in pesticide information at the University of Florida with duties including writing pesticide benefit and risk assessments. As an organic gardener, my primary crops are herbs and vegetables. I sell produce to both local restaurants and at the farmers market. I conduct "backyard research" in cover crops, drip irrigation, intercropping, mulches, organic amendments and fertilizers, and pest control. All my produce is organically grown at the University of Florida Organic Gardens.

Land Description: My garden is located at the 4.5-acre Univ. of Fla. Organic Gardens. The soil type is a loamy sand with roughly 3% organic matter. My garden plot is 50 ft. by 25 ft.

Information resources available: We have factsheets on factors influencing pesticide movement to groundwater, management practices to protect groundwater from pesticides, and proper disposal of pesticide containers.

ref #:174 Individual

M.E. Swisher
University of Florida
3008 McCarty
Home Econ. Institute of Food Sci.
Gainesville FL 32611

Telephone: (904)392-1869
FAX: (904)392-8196
Electronic address: HLP@GNV.IFAS.UFL.EDU or BITNET, %"MESW@IFASGNV"
Preferred method of contact: Call me from 8:00 a.m. to 8 p.m. EST, or contact me by fax and e-mail.
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, pest management, organic production
Primary crop and livestock enterprises: vegetables, fruit crops
Description of Sustainable Agriculture work: I am a teacher and researcher interested in the role of agricultural ecosystems in relation to, and as they interact with, natural and other human-dominated systems. I teach a six-week field course dealing with agricultural ecology of tropical agro-ecosystems. I am involved in research with fruit and vegetable crops on conventional and organic farms. The research addresses pest management and plant nutrient supply.
Information resources available: We have curricula materials in English and Spanish. The electronic database includes 100 entries, many of which are annotated. We can organize workshops and other educational events.

ref #:175 Organization

ECHO Inc.
17430 Durrance Rd.
North Fort Meyers FL 33917

Telephone: (813)543-3246
FAX: (813)543-5317
Contact people: Scott Sherman, Dr. Martin L. Price
Preferred method of contact: We prefer to be contacted via telephone during working hours EST
Sust. Agric. Roles: tech. support intl. agri. develop., information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, Appropriate Technology
Primary crop and livestock enterprises: vegetables, agroforestry, legume cover crops, tropical fruits, legume forages, beekeeping, rabbits, poultry, warm-water aquaculture, sheep
Description of Sustainable Agriculture work: ECHO provides free technical assistance to those working overseas with poor farmers or urban gardens. As a Christian nonprofit organization, ECHO's primary work is to provide seeds, information & training to agri. development workers. We specialize in sustainable techniques & plants with proven potential on the small farm in the tropics. We are also becoming increasingly involved in urban agri. ECHO has a question-answering service for those working overseas & a seed bank of under-utilized vegetables, multipurpose trees, cover crops, forages, etc. ECHO's services are provided free to development workers. We also have a small "edible-landscape" nursery and seed catalog for U.S. gardeners, and provide some related publications. All of these would be more appropriate to those living in the South.
Land Description: Flat, lowland, sandy soil in southwest Florida with high water table, hot and humid in the summer and dry and cooler in the winter.
Information resources available: We have one-year internships for college graduates heading toward a career working with the needy overseas. We have video teaching tapes, factsheets and other printed materials related to sustainable agriculture appropriate for the small farm in the tropics. We also provide speakers, information, video and slide shows to groups or individuals interested in learning more about ECHO's work and have occasional edible-landscape workshops for local garden enthusiasts.

ref #:176 Organization

Elfin Permaculture/Yankee Permaculture
7781 Lenox Ave
Jacksonville FL 32221

Telephone: (904)781-9249
Contact people: Dan Hemenway, Cynthia Baxter Hemenway
Preferred method of contact: We prefer contact by mail. Calls returned collect. Call between 9 a.m. and 9 p.m. EST, any day of week.
Sust. Agric. Roles: permaculture education/info, teacher
Major Areas of Sust. Agric. Expertise: permaculture, information transfer/education, soil management
Primary crop and livestock enterprises: forestry, agroforestry, Christmas trees, chicken, rabbits
Description of Sustainable Agriculture work: I am a permaculture design teacher and consultant and a publisher-distributor of permaculture and related journals, books, pamphlets, papers and slides. As a permaculture teacher, I draw on a lifetime of practical experience to present design concepts for the integration of food systems, shelter, water, energy, income, community and

aesthetics. I teach the full permaculture design course (three weeks) and workshops of one-day, weekend, 10-day & two-week length. Elfin PC also offers advanced training for permaculture designers. Yankee Permaculture publishes "The International Permaculture Solutions Journal," "Robin" newsletter, about 50 papers & pamphlets, and a series of permaculture teaching slide/script shows.

Information resources available: books, curricula, periodicals, electronic database, public speakers, slides

ref #:177 Organization

Kerr Center for Sust. Agri.
Vero Beach Research Station
7055 Cherry Lane
Vero Beach FL 32966

Telephone: (407)562-3802
FAX: (407)562-4308
Contact people: Robert C. Adair Jr.
Preferred method of contact: I prefer to be contacted via mail at the above address or by fax.
Sust. Agric. Roles: research and development, demonstrations
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, nutrient management, insects
Primary crop and livestock enterprises: grapefruit, oranges, neem trees, subtropical fruits, fruit crops
Description of Sustainable Agriculture work: The Vero Beach Research Station is developing and demonstrating the use of foliar feeding and non-toxic pest control measures as a model for sustainable citrus production. Foliar feeding, reduced herbicide rates and non-toxic pest control are demonstrated at the 35-acre Vero Beach Res. Station, with the end goal of developing a complete system for sust. citrus production. Integration of biologically derived, renewable materials is emphasized. This alternative program is compared to other area citrus groves as well as to the Vero Beach grove under previous conventional management in terms of costs, yields, fruit quality, etc.
Land Description: On the E-central coast of Fla., in the famous Indian River citrus area, our annual rainfall averages 49 in. Temperature averages 72.5 deg F with a 365-day growing season, although some winter freezes occur. Our 35 acres of citrus land are divided into three groves: a 5-acre non-toxic demonstration block of mature Pineapple oranges and Red grapefruit trees, a 10-acre block of young Red grapefruit trees and a 15-acre block of Sunburst tangerine and Nova tangelos trees. We have a laboratory, shop, offices and three staff.
Information resources available: Seminars on: 1. Sust. Citrus Culture, 2. Foliar Feeding, 3. The use of seaweed as a fertility enhancer. Tours of demonstration grove: 1. Tours of a 5-acre demonstration citrus grove utilizing a non-toxic spray program and low-input herbicide and fertility practices. The production costs and records for alternative citrus groves are compared to local, conventional citrus groves.

ref #:178 Organization

Livingstone's Living Earth
Topsoil Production Centers
10557 Atlantic Blvd.
Jacksonville FL 32225-6725

FAX: (904)721-8426
Contact people: Diane Livingstone
Preferred method of contact: We travel extensively, so please write preferably (or fax up to 3 pages, if you must at fax (904)721-8426-public; (904)645-0017-private).
Sust. Agric. Roles: gov't. policy development, researcher
Major Areas of Sust. Agric. Expertise: soil management, agricultural economics, information transfer/education
Primary crop and livestock enterprises: agroforestry, fruit crops, cover crops, legume cover crops, earthworms, soil animals
Description of Sustainable Agriculture work: In 1993, we hope to provide for sustainable ag groups that wish to participate in "topsoil production centers," a jobs creation program based on land reclamation, tree planting and topsoil production from organic wastes. Project still in design phase. We will continue securing a United Nations Resolution on Topsoil Production, built on our Earth Summit success. We form coalitions to provide whole-systems training in topsoil production for tree planters, landscapers, gardeners, governments, environmentalists, wildlife preservationists, conservationists, villagers, teachers and children. All people need topsoil production. "To forget how to feed the soil, is to forget ourselves" — paraphrase on Mahatma Ghandi.
Information resources available: Brochure information being developed. We provide information for a fee only. We have training programs, tree planting events and slide shows for groups. In the future, we hope to have training gardens and a unique lab.

ref #:179 Organization

University of Florida
Horticultural Sciences Dept.
2111 Fifield Hall
Gainesville FL 32611

Telephone: (904)392-1996
Contact people: James J. Ferguson
Preferred method of contact: Contact me by telephone.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, nutrient management, information transfer/education
Primary crop and livestock enterprises: fruit crops, subtropical fruits, tropical fruits
Description of Sustainable Agriculture work: I am an Extension horticulturist/researcher/teacher working in fertilization of tree crops. As an Extension horticulturist/researcher/teacher, I work on citrus and tropical fruits fertilization programs, especially use of controlled-release fertilizers, chicken manure and role of mycorrhizal fungi in their nutrition. I also teach citrus horticul-

ture and own a small tree-fruit farm. I'm interested in transition from conventional to sustainable production practices.
Land Description: My research site is university-owned and commercial citrus groves under conventional and sustainable/organic production systems.
Information resources available: I hold field days (pending SARE Grant approval) involving horticultural, economic and social impacts of using fresh cage layer manure in Florida citrus groves.

ref #:180 Organization

University of Florida
North Fla. Res. and Educ. Center
Rt 3 Box 4370
Quincy FL 32351

Contact people: Joe E. Funderburk
Sust. Agric. Roles: researcher, gov't. policy development
Major Areas of Sust. Agric. Expertise: agronomic crop production, horticultural crop production-vegetables, insects
Primary crop and livestock enterprises: agronomic crops, vegetables, cole crops, cucurbits
Description of Sustainable Agriculture work: I am a research entomologist heavily involved in theory and practice of sustainable pest management systems. I develop and refine integrated pest management systems for peanuts and vegetable crops that optimize, on a long-term basis, costs and benefits of crop protection. Chemical pesticides are used based on likelihood of economic damage, but integrated with suppression from natural enemies and cultural management to prevent development of pesticide resistance in pest populations. I also am developing resistance management strategies for armyworms and thrips in vegetable crops.
Land Description: My research site is about 1,000 acres, of which about 60 acres are utilized by my research program. Overhead sprinkler irrigation is used in agronomic crops, and trickle irrigation is used in vegetable crops.
Information resources available: We have pest management information available through publications at the University of Florida.

GEORGIA

ref #:181 Individual

Meg Anderson
Parrott Herbs
PO Box 115
217 Huckaby
Parrott GA 31777

Telephone: (912)623-5545
Preferred method of contact: Contact me by telephone from 12-1 p.m. EST, and from 9-10 p.m.
Sust. Agric. Roles: teacher, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: soil management, livestock production, information transfer/education
Primary crop and livestock enterprises: herbs, onions and related vegetables, goats-dairy, goats-meat
Description of Sustainable Agriculture work: I am a market-gardener interested in educating the public about the benefits of sustainable agriculture, and through Ga. Organic Growers Assn. supporting the certified organic movement. Parrott Herbs is set up as a homestead with pecans and fruit trees, berries, vegetables, herbs, pasture, dairy goats, chickens, and wildlife habitat. Our bed-and-breakfast inn, 217 Huckaby, provides for both customers and students. Off-farm sales include pecans, garlic, tomatoes, peppers, squash, okra, cucumbers, salad greens, herb sachets, and dairy goats. In addition to workshops and tours, I am available for lectures about the why's and how's of sustainable agriculture. We are certified by G.O.G.A.
Land Description: My topsoil is from 5 to 10 inches deep over a red clay subsoil that holds the moisture. I'm near the top of a 2-5% slope in the upper Coastal Plain. Mixed hardwoods and pine forests fill land left fallow and unmowed.
Information resources available: public speakers workshops

ref #:182 Individual

Lois Braun
Koinonia Partners Inc.
Rt. 2 Box 329
Americus GA 31709

Telephone: (912)924-0391
Preferred method of contact: It is best to catch me at home (912)928-9688 after dark or at 7:30 a.m., or on weekends.
Sust. Agric. Roles: student of sustainable agriculture, full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, horticultural crop production-vegetables, horticultural crop production-fruits
Primary crop and livestock enterprises: non-oilseed legumes, nuts, stone fruits, vine fruits, small grains
Description of Sustainable Agriculture work: My full-time assignment is to find organic alternatives to the use of agricultural poisons on this conventional peanut, corn, and soybean farm. I am trying to grow organic peanuts (in rotation with other crops) on a 20-acre parcel set-aside by Koinonia Partners for experimentation and development of alternatives to their conventional chemically-based farming. In addition, I have experimented with small portions of our pecans, peaches, and grapes. I can't say I've come up with much, but I'm continually looking. I'm not sure how long I will stay at Koinonia, but wherever I go, I will continue to work in sustainable agriculture.
Land Description: I experiment with 20 acres out of Koinonia's 750 acres of farmland. It has a slope between 2 and 5%. The soil is fairly light sandy loam. It became certified organic in 1992.
Information resources available: I wrote a factsheet on 1991 organic peanut crop production. I hope to do another on 1992's crop, as well as on other crops I'm trying: pecans, small fruits, small grains, and sweet potatoes. I am writing these primarily for my successor, but I would be happy to share them with others.

ref #:183 Individual

James D. Dutcher
University of Georgia
Dept. of Entomology
Coast. Plain Exp. Sta. PO Box 748
Tifton GA 31793

Telephone: (912)386-3567
FAX: (912)386-3086
Electronic address: BITNET DUTCHER TIFTON
Preferred method of contact: Please call (912)386-3567 for direct line or (912)386-3374 for messages.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: insects, horticultural crop production-fruits
Primary crop and livestock enterprises: nuts, legume cover crops, cover crops
Description of Sustainable Agriculture work: I am an applied agricultural entomologist developing improved systems of control of anthropod pests of pear and peach, including orchard floor management using cover crops to enhance beneficial insects and improve soil structure. I have researched cover crops to enhance the predators of a complex of aphids on pecan.
Land Description: I have small research sites all across the southern part of Georgia, including orchards donated by growers and state-owned or leased acreage (mostly pecan and peach orchards).
Information resources available: I report my research results in journal articles and research bulletins and at producer-oriented meetings.

ref #:184 Individual

W. L. Hargrove
University of Georgia
Department of Agronomy
Georgia Station
Griffin GA 30223

Telephone: (404)229-3338
FAX: (404)229-3215
Electronic address: SANREM@GRIFFIN.UGA.EDU
Preferred method of contact: Contact me by phone, fax, or e-mail during working hours, EST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, water management
Primary crop and livestock enterprises: cover crops, agronomic crops
Description of Sustainable Agriculture work: I research soil management practices that include no-tillage production systems, cover crop management, and improved water quality systems. My projects include: a) comparison of subsurface and surface nitrate movement in no-till and conventional tillage systems; b) evaluation of winter cover crops for nitrogen scavenging capacity; and c) crop residue management in intercropping and rotational systems.
Land Description: My research area is an Upland Piedmont site which is moderately eroded. It has Cecil Sandy Clay loam.

ref #:185 Individual

Dan Horton
University of Georgia
Extension Entomology Dept.
Athens GA 30602

Telephone: (706)542-3687
FAX: (704)542-3872
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop, production-fruits, insects, diseases
Primary crop and livestock enterprises: fruit crops, pome fruits, stone fruits, small fruits
Description of Sustainable Agriculture work: IPM/IEM for southeastern fruit — peaches, apples, blueberries, etc. I am involved in fruit IPM/IEM in several roles. My primary responsibility is farmer education. I participate in applied research, and I seek to facilitate needed research that is out of my area. I attempt to strengthen farmer participation in public policy.
Land Description: We conduct research in Georgia and via phone in surrounding states.
Information resources available: We have peach, apple, blueberry, and muscadine IPM guides, concerning appropriate biology and, if available, sampling and pesticide recommendations. We also have a Peach Production handbook, Small Fruit Pest Management and Culture handbook, and Rabbiteye Blueberry Pollination video.

ref #:186 Individual

Diana Jerkins
University of Georgia
107 Conner Hall
Athens GA 30602

Telephone: (404)542-2151
FAX: (404)542-1119
Electronic address: ag-resch@uga.cc.uga.edu
Preferred method of contact: Contact me by phone at the office from 8 a.m. to 5 p.m., or by fax and e-mail at any time.
Sust. Agric. Roles: administration-research and education researcher
Major Areas of Sust. Agric. Expertise: soil biology, nutrient management, organic production
Primary crop and livestock enterprises: legume cover crops, vegetables
Description of Sustainable Agriculture work: I work in administration of the Southern Region SARE program, and do research in nutrient systems. My administrative duties involved coordination of LISA/USDA-funded projects between 1988-1990, and collecting and disseminating information on all sustainable ag activities in the Southern Region. My research involves nitrogen analysis in a no-till, poultry manure, grain-cover-crops rotation system.
Land Description: Our research site consists of 10 acres of loamy clay floodplain. The field was originally clearcut 20 years ago and put into pasture for 10 years. It was then converted to a till/no-till random plot research site with minimum use of pesticides.

REF.
185-
188

ref #:187 Individual

Constance L. Neely
University of Georgia
Georgia Station
Griffin GA 30223-1797

Telephone: (404)229-3338
FAX: (404)229-3215
Electronic address: CNEELY@GRIFFIN.UGA.EDU
Preferred method of contact: Contact me by phone, fax, or e-mail during working hours EST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: soil management, farm management, agronomic crop production
Primary crop and livestock enterprises: legume cover crops, agroforestry, agronomic crops
Description of Sustainable Agriculture work: I research nutrient cycling in agroecosystems. I study no-tillage production systems and alley-cropping systems. Particularly, I am interested in crop residue management and nutrient cycling associated with decomposing cover crops and added mulch.

ref #:188 Individual

Sharad C. Phatak
University of Georgia
Department of Horticulture
PO Box 748
Tifton GA 31793

Telephone: (912)386-3901
FAX: (912)386-7005
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, pest management, soil management
Primary crop and livestock enterprises: vegetables,

cover crops, solanaceous vegetables, cucurbits, legume cover crops
Description of Sustainable Agriculture work: I am a horticulturist researching sust. vegetable crop production systems. As a researcher, I am working on cover crops, green manuring, crop rotations, conservation tillage, fertility management, weed management, disease nematode and insect IPM systems applicable to sustainable vegetable production.
Land Description: Low pH coastal plain sandy-loams or loamy sand with less than ½% organic matter soils.
Information resources available: Information on various aspects of sust. crop production systems.

ref #:189 Individual

Matt C. Smith
University of Georgia
Biological & Agri. Eng. Dept.
Driftmier Engineering Center
Athens GA 30602

Telephone: (706)542-1653
FAX: (706)542-8806
Electronic address: AENPROF@UGA.BITNET

Preferred method of contact: I prefer to be contacted by phone during business hours EST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: water management, water quality, pesticide fate
Primary crop and livestock enterprises: agronomic crops, forestry
Description of Sustainable Agriculture work: I conduct basic and applied research on the fate and transport of agricultural chemicals in surface and ground waters, through the soil profile and vadose zone. Current research interests are focused on issues relating to agri. impacts on water quality & quantity. Specific research areas currently include: field-scale monitoring of pesticide and nutrient transport through the soil and within groundwater; modeling of chemical transport in soils and groundwater; and water management in high water table soils. Teach graduate and undergraduate courses in soil and water engineering, watershed modeling, and water quality.
Land Description: Generally sandy, light textured soils; some wet-flat woods soils.

ref #:190 Individual

W.L. Tedders
USDA-ARS
PO Box 87
Byron GA 31008

Telephone: (912)956-5656

Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, insects, information transfer/education
Primary crop and livestock enterprises: nuts, legume cover crops, cover crops, fruit crops
Description of Sustainable Agriculture work: I am a research entomologist involved in sustainable culture of pecan nuts through the use of biological, cultural, physical and chemical control of pests. I do research on pecan insect control for the Agricultural Research Service of the USDA. Our service is bound only by the limits of pecan producing area (lower half of the U.S., and Mexico).
Land Description: Our research site is the Southeastern Fruit and Tree Nut Research Laboratory where our work involves pecans, peaches, plums, apples, persimmons, passionfruit and blueberries.
Information resources available: brochures, pamphlets, lending library periodicals, field days, meetings, workshops

ref #:191 Individual

Daniel L. Thomas
University of Georgia
Biological & Agri. Eng. Dept.
Coastal Plain Exp. Station
Tifton GA 31793

Telephone: (912)386-3377
FAX: (912)386-3958
Electronic address: THOMASDL@TIFTON:BITNET

Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: water management, soil management, soil conservation
Primary crop and livestock enterprises: oilseeds, forestry
Description of Sustainable Agriculture work: I am an agricultural engineer with expertise primarily in surface hydrology and shallow groundwater (hydrology & quality) who is primarily involved in the utilization of simulation technology for developing best management scenarios for crop and watershed systems. Research projects to date have included the evaluation of rapeseed (canola) management scenarios for sediment and chemical losses using long-term simulations, effects of water table management on water quality (primarily nutrients) and control systems for water table management.
Land Description: Water table management research site
Information resources available: Primary research data in electronic format and slides associated with research

ref #:192 Organization

Georgia Cooperative Extension
Coffee Co. Ag. Center
709 E. Ward Street
Douglas GA 31533

Telephone: (912)384-1402

Contact people: Rick N. Reed
Preferred method of contact: I prefer to be contacted by phone during working hours, EST.
Sust. Agric. Roles: extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, horticultural crop production-vegetables, soil management
Primary crop and livestock enterprises: feedgrains,

legume cover crops, Christmas trees, greenhouse or nursery vegetables
Description of Sustainable Agriculture work: I am a county agent in a very diversified agriElectronic address: cultural county in south Georgia. As a county agent, I am continually working with farmers to raise a crop as economically as possible and apply new research at the farm level, especially pest management, poultry litter, crop rotation and green manure.
Information resources available: I have factsheets available. Please send a self-addressed, postage-paid envelope.

ref #:193 Organization

Georgia Organic Growers Assn.
PO Box 567661
Atlanta GA 31156

Telephone: (404)621-4642
Contact people: Larry Conklin
Preferred method of contact: Number listed is a voice mailbox number. Current GOGA information is given. Please leave your message and a representative of GOGA will contact you.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production
Information resources available: brochures, pamphlets, newsletter, conventions, field days, workshops

ref #:194 Organization

Koinonia Partners Inc.
Rt 2 Box 329
Americus GA 31709

Telephone: (912)924-0391
Contact people: Lois Braun
Preferred method of contact: It is best to phone me at home (912) 928-9688 after dark (EST) or at 7:30 a.m., or on Saturdays.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, horticultural crop production-fruits
Primary crop and livestock enterprises: non-oilseed legumes, nuts, vine fruits, small grains, feedgrains
Description of Sustainable Agriculture work: Koinonia Partners is a Christian intentional community which uses farming and a mail order business to support itself and its social activism. The farming operation is very conventional. In 1991 Koinonia recruited someone to work full-time looking into organic alternatives and designated 20 acres for organic experimentation on field crops (so far, peanuts) as well as parts of pecan orchards and peach & grape orchards. This is hoped to eventually make the farm more consistent with the ideals of the community. Visitors are welcomed, and there is a volunteer program for those interested in a longer experience, though volunteers cannot be guaranteed a farm assignment. Koinonia also has a large garden, poultry and goats for its own subsistence. These are managed on the Permaculture design. Volunteers frequently are assigned to the garden.
Land Description: Koinonia farms about 750 acres of relatively level ground, including 9 acres of pecan orchards. The soil is relatively good sandy loam, with occasional patches of red Georgia clay or sand deposits. Of the 750 acres, 20 have been designated for organic certification.
Information resources available: I wrote out a factsheet on the 1991 organic peanut crop. I hope to do another one on 1992's crop, as well as perhaps on pecans, small fruits, small grains and sweet potatoes. These will be purely descriptions of what I did and its success, no definitive answers. They are primarily for the records of Koinonia, in case I leave, but I'd be happy to send them to anyone interested.

ref #:195 Organization

University of Georgia
SANREM
Georgia Station
Griffin GA 30223-1797

Telephone: (404)229-3338
FAX: (404)229-3215
Electronic address: SANREM@GRIFFIN.UGA.EDU
Contact people: Constance L. Neely, W.L. Hargrove, Ron Carrll, Robert Rhoades, G.F. Arkin
Preferred method of contact: Contact us by phone, fax, or e-mail during office hours EST. Additional contacts are Walt Butcher, Dave Swift, Bob Gurevich, Ed Kanemasu, S.K. DeDatta, Jim DeVries, Ken Shapiro and Suchet Louis.
Sust. Agric. Roles: researcher Information exchange
Major Areas of Sust. Agric. Expertise: soil management, water management, agricultural economics
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, agroforestry, vegetables, beef cattle, dairy cattle, goats-dairy, poultry, warm-water aquaculture
Description of Sustainable Agriculture work: The SANREM CRSP is an interdisciplinary, farmer participatory research and information project on sustainable agriculture and natural resource management in the tropics. This project is a Collaborative Research Support Program which works with nine U.S. institutions and 30 host country institutions from countries in Asia, Latin America and West Africa. A landscape ecology approach will be used to describe and understand individual ecosystems including the social, economic, physical and biological dimensions of these ecosystems. Individuals involved are farmers, scientists and representatives of private volunteer organizations.
Land Description: Our research is conducted in four watersheds in the tropics. They include Burkina Faso, which is semi-arid; Honduras, which is subhumid; The Philippines, which is humid; and Guatemala, which is humid.
Information resources available: We are a new project, but we intend to have newsletters which document experience at project sites, technical papers and end-user oriented papers as the project progresses. We can mail these to interested parties.

HAWAII

REF. 196-198

ref #196 Individual

Joe DeFranh
University of Hawaii
3190 Maile Way, Room 102
Honolulu HI 96822

Telephone: (808)956-8050
FAX: (808)956-5894
Preferred method of contact: Use phone or fax, Pacific Time Zone.
Sust. Agric. Roles: researcher, extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, soil conservation, pest management
Primary crop and livestock enterprises: cover crops, fruit crops, vegetables, solanaceous vegetables, onions and related crops
Description of Sustainable Agriculture work: I am a weed scientist working with living ground covers and mulch for weed control and soil conservation. I am conducting weed control research with allelopathic plant residues and vegetable crop production using grass sods for weed suppression and reduced pest damage.
Land Description: I conduct research at five research sites in Hawaii, elevations from sea level to 2,000 feet, with rainfall 30-180 inches/year.
Information resources available: We have produced videos on: 1. "No-tillage taro production in Hawaii," 2. "Living sods for weed control," and 3. "Tropical vegetable crops."

ref #:197 Individual

Bart Jones
PO Box 1363
Honokaa HI 96727

Telephone: (808)776-1602
FAX: (808)776-1006
Preferred method of contact: Contact me via telephone during working hours, Pacific Time Zone.
Sust. Agric. Roles: supply &/or service provider, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: information transfer/education, farm management, marketing
Primary crop and livestock enterprises: macadamia nuts, tropical fruits, subtropical fruits
Description of Sustainable Agriculture work: I am an agricultural consultant specializing in sustainable/organic agriculture research, education and information exchange. LISA for Hawaii is a research and education project I developed with the Governor's Agriculture Committee and the Hawaii Farm Bureau Federation. I am under contract to manage the project as its coordinator. $114,000 has been awarded to projects evaluated under the federal LISA program model. The LISA for Hawaii committee evaluated 60 formal on-farm research/education proposals and 11 field day grant requests. Twenty research projects are under way. Ten organic farm demonstrations are completed or scheduled. Organic farmers held their first statewide meetings. A farmer and researcher network communicates through the LISA for Hawaii. We have a quarterly newsletter, "The Sustainable Agriculture Bulletin."

ref #:198 Organization

LISA for Hawaii
PO Box 1363
Honokaa HI 96727

Telephone: (808)776-1602
FAX: (808)776-1006
Contact people: Bart Jones
Preferred method of contact: Contact me via telephone at above number, working hours, Pacific Time.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, farm management, marketing
Primary crop and livestock enterprises: macadamia nuts, tropical fruits, subtropical fruits, vegetables, greens (including salads), hogs
Description of Sustainable Agriculture work: The LISA for Hawaii project design furthers sustainable/organic agriculture in Hawaii by awarding and managing research and extension grants that quantify the results of such practices. LISA for Hawaii is a state-funded research and education project developed by Bart Jones, the Governor's Agriculture Committee and the Hawaii Farm Bureau Federation. I am under contract to manage the project as its coordinator. $114,000 has been awarded to projects evaluated under the USDA LISA program model. The LISA for Hawaii committee evaluated 60 formal on-farm research/education proposals and 11 field day grant requests. Twenty research projects are under way. Ten organic farm demonstrations have been completed or or are scheduled. Organic farmers held their first series of statewide meetings. A farmer and researcher network communicates through LISA for Hawaii. We have a quarterly newsletter, "The Sustainable Agriculture Bulletin."
Land Description: Funded research is under way at 12 locations across the state.
Information resources available: The LISA for Hawaii Project sponsors field day demonstrations which are publicized in its sustainable agriculture bulletin. A video of the research, education and demonstration projects undertaken will be available in 1993.

ref #:199 Individual

Pete Allen
Center for Holistic Resource Mgt.
PO Box 7839
Des Moines IA 50322

Telephone: (515)253-0591
FAX: (515)253-0591
Preferred method of contact: I may be contacted by phone or fax at the above number, between 8:00 a.m. and 5:00 p.m. daily.
Sust. Agric. Roles: teacher, supply &/or service provider
Major Areas of Sust. Agric. Expertise: information transfer/education, farm management, agricultural economics
Primary crop and livestock enterprises: agronomic crops, forage crops, beef cattle, hogs, beekeeping, chickens, sheep
Description of Sustainable Agriculture work: I am a project director working with several farming operations in Iowa to develop stable farming communities through better decision-making. I work with farmers & organizations to set goals, reduce debt, develop financial stability and monitor progress toward their goals.
Land Description: I currently work with eight locations that range from the east-central edge of Iowa near Dubuque to near Omaha, Nebraska. Other sites range from the northeast to the southwest part of the state with three central locations. The land varies from zero percent slope to over 10%.
Information resources available: We have brochures on courses which provide training in decision-making, financial planning and land-planning.

ref #200 Individual

Stephen K. Barnhart
Iowa State University
Agronomy Extension
2104 Agronomy
Ames IA 50011

Telephone: (515)294-1923
FAX: (515)294-9985
Preferred method of contact: I prefer to be contacted by telephone CST, or mail.
Sust. Agric. Roles: extension worker, teacher
Major Areas of Sust. Agric. Expertise: forage crop production, pasture management
Primary crop and livestock enterprises: forage crops, cover crops, beef cattle, dairy cattle, sheep
Description of Sustainable Agriculture work: I am an agronomist who provides information to and teaches producers and agribusiness professionals practices and alternatives for the selection, production and utilization of forage grasses and legumes in livestock and soil conservation enterprises. As a state forage Extension specialist, I assist producers, agribusiness professionals and citizens in selection of appropriate forage grasses and legume species for their livestock-cropping and consultation programs. My assistance includes information on alternatives to forage establishment, management and utilization which are consistent with their economic and personal goals.
Land Description: My research sites are in Iowa.
Information resources available: I assist with the development and revision of Extension bulletins and publications related to forage production and management, most of which are available through me in limited quantities.

ref #:201 Individual

Don Faidly
RR 1 Box 243
Colfax IA 50054

Telephone: (515)994-2039
Preferred method of contact: I prefer to be contacted by telephone. Evenings are the best time to call.
Sust. Agric. Roles: full-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: livestock production, information transfer/education, pasture management
Primary crop and livestock enterprises: nonlegume forages, feedgrains, small grains, legume forages, beef cattle, sheep
Description of Sustainable Agriculture work: I am a farmer/livestock producer exploring ways to manage my resources more holistically. As a livestock producer, I am interested in the nutritional relationship to disease and how the restoration of biodiversity to the land may influence this.
Land Description: I have 400 acres in two sites. The topography varies from rolling upland to wet bottomland. I have 60 acres of timber pasture of which 10 acres is never grazed. The balance is in row crops (corn or soybeans), small grain (oats), hay, improved pasture and unimproved pasture.
Information resources available: field days, meetings

ref #:202 Individual

Joseph E. Morris
Iowa State University
Dept. of Animal Ecology
124 Science II
Ames IA 50011

Telephone: (515)294-4622
FAX: (515)294-4622
Electronic address: jemorris@IAstate.edu
Preferred method of contact: I prefer to be contacted by phone or fax during working hours CST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: aquaculture, information transfer/education

Primary crop and livestock enterprises: fisheries, warm-water aquaculture, cold-water aquaculture
Description of Sustainable Agriculture work: I am state fisheries/aquaculture specialist for Iowa State University and associate director of the North Central Regional Aquaculture Center. As a state fisheries/aquaculture specialist, I work with state fish farmers to address concerns and problems related to aquaculture. My primary research interest is in water quality management and the culture of sunfish and hybrid striped bass.

ref #:203 Individual

Larry P. Pedigo
Iowa State University
Dept. of Entomology
117 Insectary Bldg.
Ames IA 50011

Telephone: (515)294-8694
FAX: (515)294-8027
Electronic address: Bitnet A1.HJS@ISUMVS

Preferred method of contact: Telephone me during working hours CST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: pest management, insects, agronomic crop production
Primary crop and livestock enterprises: agronomic crops, oilseeds, forage crops, legume forages
Description of Sustainable Agriculture work: I am primarily involved in research with insect pests of legumes, with emphasis on integrated pest management. As a researcher in integrated pest management, my students and I have focused on insect/plant relationships, population assessment, and decision-making in IPM. Objectives of our work have been to develop practical economic thresholds and tactics to reduce insecticide inputs.
Land Description: We have multiple research sites.

ref #:204 Individual

Richard Pirog
Leopold Center for Sust. Ag
126 Soil Tilth Building
Iowa State University
Ames IA 50011

Telephone: (515)294-1854
FAX: (515)294-9696
Electronic address: leopold@exnet.iastate.edu

Preferred method of contact: Contact me via telephone or fax during working hours CST.
Sust. Agric. Roles: coordinator of education programs, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, insects, information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops
Description of Sustainable Agriculture work: I coordinate education programs for the Leopold Center for Sustainable Agriculture. As education coordinator, I act as project officer for every education/demonstration project funded by the Leopold Center. I work with the Center director, associate director, and assistant director in evaluating competitive grants submitted to the Leopold Center.

ref #:205 Individual

Jerry K. Radke
USDA-ARS, Natl. Soil Tilth Lab
2150 Pammel Drive
Ames IA 50011

Telephone: (515)294-0213
FAX: (515)294-8125
Electronic address: jkradke@vincent.iastate.edu

Preferred method of contact: I can also be contacted by e-mail at A1.JKR@ISUMVS.BITNET, or by MCI Mail at JKRADKE.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: soil management, water management, cropping systems
Primary crop and livestock enterprises: feedgrains, small grains, cover crops, forage crops, agroforestry, beef cattle, dairy cattle, hogs
Description of Sustainable Agriculture work: I am a research scientist interested in reduced-input and rotational cropping systems and how they fit into the larger farming systems, with the help of field research and computer simulation models. I conducted research on farming systems and used computer simulation models while stationed (with ARS) at the Rodale Institute Research Center near Kutztown, Pa. Emphasis was on low-input crop systems which utilized rotations and multiple cropping (more than one crop in the field at one time).
Land Description: My research fields are mainly in Iowa but others are scattered throughout the U.S.

ref #:206 Individual

Ken Rossmann
Rt 1 Box 176
Harlan IA 51537

Telephone: (712)627-4217

Preferred method of contact: I would prefer to be contacted by telephone in the early morning or late evening hours, before 7:30 a.m. or after 8 p.m. If necessary you may call between 12-1 p.m.
Sust. Agric. Roles: full-time farmer/rancher, research and information
Major Areas of Sust. Agric. Expertise: livestock production, organic production, agronomic crop production
Primary crop and livestock enterprises: feedgrains, forage crops, small grains, legume forages, nonlegume forages, beef cattle
Description of Sustainable Agriculture work: I am a sustainable organic farmer who uses crop rotations to build soil structure and fertility. Livestock (beef cows) are also an important factor in the utilization of grasslands and providing fertility in the form of manure. I try to utilize the two (crop rotations & livestock) together to maximize sustainability. As an organic farmer, my primary crops are yellow corn, soybeans, oats, hay and beef cattle. All my crops are certified organic through OCIA. I'm doing field research with flaming (propane) weeds in

my row crops (corn and soybeans). The flame units may also be used to control some insects. I utilize rotational grazing with paddocks for my cow herd. I also plan to field-research cover crops for corn and soybeans that can be grazed by the cow herd after the row crops are harvested.
Land Description: The land I farm is located in Shelby County in west central Iowa. The land is gently rolling, consisting of Marshal and Monona soil types.
Information resources available: I have a small pamphlet describing my farm and farming practices. We hold a field day to show the flaming plots and flaming demonstration. We intend to put a factsheet together on the flaming plot, discussing yield and cost comparison.

ref #:207 Individual

Janette Ryan-Busch
Fae Ridge Farm
5140 Rapid Creek Rd.
Iowa City IA 52240

Telephone: (319)643-5873
Preferred method of contact: I prefer to be contacted via telephone at above number after working hours CST.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, marketing, organic production
Primary crop and livestock enterprises: onions and related vegetables, cut flowers, goats-fiber, chicken
Description of Sustainable Agriculture work: I am a market gardener applying organic techniques and practices on vegetables and herbs. I sell and often speak on direct market techniques. As a market gardener, my primary crops are red and yellow peppers, spinach, garlic, basil, ornamentals and cut flowers. I do backyard research on rotation, insect control, soil amendments and market trends. I share this information through articles in IOGBA's newsletter & speaking engagements. I sell my produce to a local food co-op and restaurants in the Iowa City area.
Land Description: I currently manage 4½ acres. I have loam topsoil to a depth of 8-36 in. I am on a hill with timber on the north and open fields to the south. I am on mostly level ground with a slight south grade and a fairly steep north slope in my pasture area.

ref #:208 Individual

Daryl R. Strohbehn
Iowa State University
109 Kildee
Ames IA 50011

Telephone: (515)294-2240
FAX: (515)294-6994
Preferred method of contact: I prefer to be contacted via telephone during work hours of 8:00-5:00 CST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: livestock production, farm management
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: I am an Extension beef specialist who manages enterprise records and cost-saving techniques to beef production. As a state beef specialist, I coordinate the state record systems for economics and performance in cow-calf production. From this data and a farmer's own records, I make personnel suggestions for lower-cost production systems.
Information resources available: I have annual reports on cow-calf economics and performance. In addition, proceedings are available at cost on low-cost production systems in cow-calf production.

ref #:209 Individual

Colin Wilson
D. & C. Wilson Farms
5482 450th St.
Paullina IA 51046

Telephone: (712)448-2708
Preferred method of contact: Please contact me either by mail, or by phone from 6:30 p.m. to 10 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: livestock production, soil conservation, agronomic crop production
Primary crop and livestock enterprises: feedgrains, oilseeds, small grains, legume forages, hogs
Description of Sustainable Agriculture work: We are a family farm that is using sustainable practices to produce crops and livestock as well as supporting four families. We grow corn, soybeans, oats, barley and hay in a rotational system that also uses ridge tillage for all row crops. Our hog production utilizes part of the grain and forage we produce. It also uses a pasture system during summer and fall as well as open lots with shelter during the rest of the year.
Land Description: We have a silt-loam soil on gently rolling terrain. Our slopes are not steep, but are long, thus requiring a combination of soil conservation practices.
Information resources available: We have blueprints available by mail for our farrowing huts that we use for pasture swine production.

ref #:210 Organization

Church Land Project
4625 Beaver Ave.
Des Moines IA 50310

Telephone: (515)270-2634
FAX: (515)244-6732
Contact people: Julia Kleinschmit, (515)244-5671, (515)270-9447 fax
Preferred method of contact: I may be reached at either of the two numbers during working hours CST.
Sust. Agric. Roles: assist churches with farmland, information provider
Major Areas of Sust. Agric. Expertise: sustainable ag as teaching example, land transfer to beginning farmers, information transfer/education
Description of Sustainable Agriculture work: I help churches utilize their farmland to be a model of good

land stewardship to others. I also help facilitate writing of land policies and transfer of farmland to beginning farmers through churches. Churches have a unique opportunity to use their farmland to model good stewardship and assist people in entering agriculture. I help churches (all denominations and levels): 1) research the amount of farmland they own; 2) write good land stewardship use/sale/acquisition policies; 3) implement those policies through the use of sustainable agriculture techniques; and 4) transfer farmland to beginning farmers. The Church Land Project is a joint project of the National Catholic Rural Life Conference and Prairie Fire Rural Action.

Information resources available: We have a free quarterly newsletter, many materials to help churches through research and policy writing, a video about the Church Land Project (available for $10), and many other materials that are free or are available at a nominal cost.

ref #:211 Organization

Iowa Citizens for Comm. Improvement
607 E. Grand Avenue
Des Moines IA 50316

Telephone: (515)266-5213
Contact people: Hugh Espey, Joe Fagan
Preferred method of contact: Contact us by phone or mail at any time.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: Iowa Citizens for Community Improvement (CCI) is a non-profit community organization that has been working with family farmers on sustainable agriculture issues since 1986. Our primary goals are to raise public awareness about alternative farming methods and to encourage grassroots farmers to adopt reduced-chemical and no-chemical practices. Iowa CCI initiates a variety of educational activities to promote sustainable farming practices. We hold farmer-to-farmer workshops for adult farmer and young farmer groups; we hold farmer-to-student workshops for high school aged classes, community college classes and FFA chapters; we hold farm tours and sustainable ag information days to help individual farmers develop "farming with fewer chemicals" plans for their operations; and we hold farmer-to-banker workshops and distribute practical written materials and other information to farmers who request them.
Information resources available: Iowa CCI has a sustainable ag information packet offering specific steps/strategies for reducing or eliminating chemicals, which emphasizes practical methods. The packet includes a sourcebook, a source list and an easy-to-read booklet. It lists two farmer-to-farmer directories that feature farming practices of 80+ Iowa farmers who have reduced or eliminated chemicals. Price: $5 for Iowa farmers and Iowa FFA chapters; $10 others.

ref #:212 Organization

Iowa Org. Growers/Buyers Assn.
PO Box 2935
Iowa City IA 52244-2935

Telephone: (319)643-5873
Contact people: Janette Ryan-Busch, Denise A. Chevalier
Sust. Agric. Roles: farm advocacy and support, gov't. policy development
Major Areas of Sust. Agric. Expertise: information transfer/education, marketing, organic production
Description of Sustainable Agriculture work: Iowa Organic Growers and Buyers Association provides information to members about organic production methods, certification options, legal requirements, and law and marketing assistance. We have a grower-buyer database. Annual membership dues are $35. Our current project focus is marketing Iowa's organically grown food. Based at the Muscatine County Extension office, we have a database that includes growers and buyers. Product requests by buyers are fowarded to growers. Developing the market infrastructure is our primary effort, although we provide technical support through information transfer. Our members grow livestock, row/speciality crops, vegetables, fruits and herbs.

ref #:213 Organization

Institute for Ag Biodiversity
RR 3 Box 309
Decorah IA 52101

Telephone: (319)382-5947
Contact people: Hans Jorgensen; Shan Thomas, co-director
Preferred method of contact: Contact us by mail or by telephone.
Sust. Agric. Roles: information provider, genetic preservation
Major Areas of Sust. Agric. Expertise: genetic preservation, information transfer/education, livestock production
Primary crop and livestock enterprises: swine conservation, cattle conservation, sheep conservation, goat conservation, poultry conservation
Description of Sustainable Agriculture work: We are focused on the role of genetic variation in sustainable agricultural systems, the preservation of heritage livestock genetic material, and the development of on-farm conservation models. We are opening a public display facility, a "farm park" for rare livestock and crops. We are seeking to develop a system of preservation breeders, subsidized and educated, to do comprehensive scientific genetic conservation of livestock genetic resources.
Land Description: The "National Register" farmstead on Luther College property houses our public farm park. Preservation flocks and herds will be off-site on a 100-acre farm which consists of pastures and hayland.
Information resources available: brochures, pamphlets, bulletins, factsheets, monographs, meetings, public speakers, tours of farm park

ref #:214 Organization

Iowa Natural Heritage Foundation
Water Quality Program, 505 5th Ave.
444 Insurance Exchange Bldg.
Des Moines IA 50309

Telephone: (515)288-1846
FAX: (515)288-0137
Contact people: Eileen Gannon, Duane Sand, Dir. of L-R Plan. and Res.
Preferred method of contact: I prefer to be contacted by mail or telephone during working hours, CST.
Sust. Agric. Roles: information provider, on-farm demonstration
Major Areas of Sust. Agric. Expertise: information transfer/education, farm policy, soil conservation
Description of Sustainable Agriculture work: The Iowa Natural Heritage Foundation conducts on-farm demonstrations and education projects to help farmers reduce their reliance on expensive, off-farm inputs and improve land and water conservation. As a nonprofit organization, we build partnerships with businesses and individuals alike, to protect Iowa's natural heritage. One specific project, the Southern Iowa Herbicide Education Project, enlists chemical dealers to get farmers to pledge to implement one new "Best Management Practice" each year to limit off-site effects of herbicides. In the first year, 21 dealers have enlisted 131 farmers in the program.
Information resources available: brochures, pamphlets, factsheets, monographs, periodicals, video

ref #:215 Organization

Iowa State University Extension
10861 Douglas Ave., Suite B
Urbandale IA 50322-2020

Telephone: (515)270-8114
FAX: (515)270-6356
Contact people: John L. Creswell
Preferred method of contact: I prefer to be contacted by telephone during working hours, CST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, pest management, soil management
Primary crop and livestock enterprises: agronomic crops, feedgrains, legume cover crops, small grains, forage crops
Description of Sustainable Agriculture work: I am an Extension educator, disseminating sustainable agriculture research-based information to clientele. I currently serve as team leader of the Leopold Center for Sustainable Agriculture Education Delivery Team for a 10-member committee in central Iowa. My team is responsible for developing methods to teach the general public about sustainable agriculture.
Information resources available: Iowa State University Extension, in cooperation with the Leopold Center for Sustainable Agriculture and Practical Farmers of Iowa, has many factsheets, pamphlets, and video-based educational materials on sustainable agriculture.

ref #:216 Organization

Izaak Walton League of America
801 Commerce Drive
Decorah IA 52101

Telephone: (319)382-2947
FAX: (319)382-8658
Contact people: Ann Robinson
Preferred method of contact: I prefer to be contacted by letter but will accept phone calls during working hours CST.
Sust. Agric. Roles: conservation-policy development
Major Areas of Sust. Agric. Expertise: wildlife, soil conservation, wetlands
Description of Sustainable Agriculture work: I am a conservationist specializing in issues related to agriculture, including wildlife, wetlands, soil and water quality, and sustainable agriculture.
Information resources available: I have a report on sustainable agriculture and wildlife. I can mail it for $3.00/copy for non-IWLA members and $1.00 a copy for members.

ref #:217 Organization

Leopold Center for Sust. Ag
126 Soil Tilth Bldg.
Iowa State University
Ames IA 50011

Telephone: (515)294-3711
FAX: (515)294-9696
Electronic address: leopold@exnet.iastate.edu
Contact people: Dr. Dennis Keeney, Mr. Bruce Brown, Liz Weber, E. Anne Larson
Preferred method of contact: Contact via telephone or FAX during working hours CST.
Sust. Agric. Roles: state funded census ag res. & educ.
Major Areas of Sust. Agric. Expertise: Funds all areas
Information resources available: A list of Center publications is available — these include a quarterly newsletter, annual reports, conference proceedings, progress reports, factsheets & others. The Center holds a conference to discuss sust. ag research and demonstration projects. The Center also funds numerous research, demon. & educ. projects through its competitive grant & research issue team programs. Numerous field days, meetings, workshops, newsletters & curricula are involved.

ref #:218 Organization

Practical Farmers of Iowa
2104 Agronomy Hall
Iowa State University
Ames IA 50011

Telephone: (515)294-1923
FAX: (515)294-9985
Electronic address: A2.DNE@ISUMVS.IASTATE.EDU
Contact people: Rick (Derrick) Exner, Gary Huber; Tom Frantzen, 1155 Jasper Ave., New Hampton IA 50659
Sust. Agric. Roles: teacher, researcher
Primary crop and livestock enterprises: feedgrains, small grains, forage crops, grain amaranth, hogs, beef cattle
Description of Sustainable Agriculture work: Practical Farmers of Iowa is a non-profit membership organization that generates and disseminates information about profitable, environmentally sound methods of

farming. Practical Farmers of Iowa conducts research and education through farmer members designated "cooperators." PFI on-farm research uses the randomized complete block design with six replications. PFI cooperators often collaborate with university researchers. PFI on-farm research is communicated through field days and meetings.

REF. 219

Land Description: The farms of PFI members, including about 30 research cooperators.

Information resources available: We have one bulletin: "Weed Control in Ridge-Till W/Reduced/No Chemicals." Videos have been developed in cooperation w/Iowa State Univ., through which they are available. They cover various farming practices. "The Practical Farmer" is the quarterly newsletter. It covers meetings, activities and research by PFI farmers and univ. scientists. Single copies are available free. Subscription is $10, the cost of membership.

ref #:219 Organization

Soil and Water Cons. Society
7515 N.E. Ankeny Road
Ankeny IA 50021-9764

Telephone: (800)843-7645
FAX: (515)289-1227

Contact people: Tim Kautza, Max Schnepf, Douglas M. Kleine

Preferred method of contact: I prefer to be contacted via regular mail at the above address.

Sust. Agric. Roles: information provider, gov't. policy development

Major Areas of Sust. Agric. Expertise: information transfer/education, soil conservation, water management

Description of Sustainable Agriculture work: Our organization is a forum for the discussion of sustainable agriculture issues and as a purveyor of scientific research and applied technology related to sustainable agriculture. As an organization dedicated to advocating the conservation of soil, water and related natural resources, the Soil and Water Conservation Society conducts conferences and workshops, publishes books and the Journal of Soil and Water Conservation, and carries out special studies on sustainable agriculture or related topics.

Information resources available: We have several books on sustainable agriculture, including Soil Management for Sustainability, Sustainable Agriculture Systems, Crop Residue Management for Conservation, and Conservation and Conventional Tillage: A Comparative Assessment. The Journal of Soil and Water Conservation is published bimonthly and is available by subscription and through membership. A poster is available for purchase which describes benefits of residue management. An annual meeting is conducted.

IDAHO

ref #:220 Individual

Tim Sommer
Purple Sage Farms Inc.
11741 Bullock Lane
Middleton ID 83644

Telephone: (208)585-6140
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, marketing
Primary crop and livestock enterprises: greenhouse or nursery greens (including salads), herbs, vegetables, cut flowers, beef cattle
Description of Sustainable Agriculture work: We provide organically grown, fresh specialty produce for the restaurant and retail trade. We combine both field and greenhouse production to maintain year-round supplies of our product line. I also helped create Idaho's organic certification program and now serve as chairman of the Idaho Organic Advisory Council which advises the State Department of Agriculture regarding the certification program. I also provide production and marketing information, as well as arrange an annual organic growers conference.
Land Description: We have a variety of uses on one 50-acre site, including greenhouses. We have an off-site commercial greenhouse and other pasture-hay ground. We have mostly foothills for grades of 2% to 10% slope.
Information resources available: The Idaho Department of Agriculture has compiled and published an organic growers handbook which covers all aspects of becoming certified in Idaho.

ref #:221 Organization

Palouse-Clearwater Env. Institute
PO Box 8582
Moscow ID 83843

Telephone: (208)882-1444
Contact people: Nancy Taylor; Tom Lamar, Exec. Dir.
Preferred method of contact: I prefer to be contacted by phone.
Sust. Agric. Roles: education and information, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, water management
Description of Sustainable Agriculture work: Palouse-Clearwater Environmental Institute (PCEI) is a grassroots organization dedicated to empowering citizens to be involved in the issues affecting our region. Sustainable agriculture is one of our program areas. We work to improve communications and build alliances between consumers, farmers and environmental groups.
Information resources available: brochures, pamphlets, factsheets, monographs, newsletter, conventions, meetings, public speakers

ref #:222 Organization

Soda Springs Phosphate Inc.
Box 578
Soda Springs ID 83276

Telephone: (208)547-3494
FAX: (208)547-4220
Contact people: Lynn Moore (208)547-3040
Sust. Agric. Roles: manufacturing organic fertilizer
Major Areas of Sust. Agric. Expertise: nutrient management, organic production
Description of Sustainable Agriculture work: We are the only producer in the U.S. of granulated soft and rock phosphate. We sell our product throughout the U.S., Hawaii, and Canada. Idaho phosphate (our trade name) is designed for use on all organically grown crops.
Information resources available: We have lab analysis we can mail with a sample of our products.

ILLINOIS

ref #:223 Individual

Gary Bickmeier
Western Ill. Education Center
Scott Co. Extension
24 S. Main
Winchester IL 62694

Telephone: (217)742-9572
Electronic address:
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, pest management, soil conservation
Primary crop and livestock enterprises: feedgrains, small grains, legume forages, nonlegume forages, cover crops
Description of Sustainable Agriculture work: I am an agronomist. I completed a study on comparative economic effects of cultivation and banding compared to total herbicide or total cultivation systems. My areas of expertise include ridge till, soil fertility, and integrated pest management systems. As crops systems educator in western Illinois, I advise farmers on a variety of field and forage crop problems. I have extensive experience in weed control and conservation tillage. My ridge-till experience goes back to 1981 when I convinced six farmers to demonstrate ridge-tillage. Herbicide plots have been an integral part of my extension program. In 1988, I began a cultivation study which compared solid herbicide, cultivation only, and a band and cultivate system. Results were quite favorable for the cultivate and band and cultivation-only system. Other areas of expertise include soil fertility, and integrated pest management.
Land Description: My research site is in western Illinois, with some bottomland but mostly hilly soils. It is primarily corn, beans, and wheat ground. Yields run 125 bushels/acre for corn, 40 bushels/acre for beans, and 70 bushels/acre for wheat.
Information resources available: I am available to speak to groups concerning the affects of cultivation on yield and the bottom line. We also have many brochures on agronomic topics.

ref #:224 Individual

Michael Cole
University of Illinois
Dept. of Agronomy/Turner Hall
1102 S. Goodwin Ave.
Urbana IL 61801

Telephone: (217)244-5154
FAX: (217)333-9817
Preferred method of contact: Contact me by telephone or fax from 8 a.m. to 5 p.m. CST.
Major Areas of Sust. Agric. Expertise: soil biology, nutrient management
Primary crop and livestock enterprises: feedgrains
Description of Sustainable Agriculture work: I am a microbiologist with experience in nutrient cycling and environmental impact of pesticides and toxic metals on soil microbial and other biotic activities. My interest is in basic research on soil biology and sustainable systems, particularly during the transition from conventional to alternative practices. I am also interested in identifying and quantifying key properties for defining soil quality.
Information resources available: I will give talks on soil biology aspects of sustainable agriculture.

ref #:225 Individual

C. LeRoy Deichman
319 N. Wood
Gibson City IL 60936

Telephone: (217)784-8624
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: corn ecology, nutrient management, agronomic crop production
Primary crop and livestock enterprises: corn, agronomic crops, small grains, cover crops, legume forages
Description of Sustainable Agriculture work: I am an interdisciplinary corn production agronomist who is developing a corn production system that makes better use of our natural resource base. (There are several other farmers working with me.) The system that several farmers and I are developing is a site-specific, corn production system, which biologically captures more photochemical and biochemical energy. This enables farmers to increase production efficiency of total production resources, build soil tilth, and minimize soil erosion.
Land Description: We plant and cultivate client fields with their equipment. Each farm situation differs in size, terrain and detail.

ref #:226 Individual

Robert W. Frazee
Illinois Cooperative Extension
PO Box 118
Peoria IL 61650

Telephone: (309)671-8470
FAX: (309)671-8513
Preferred method of contact: I prefer to be contacted via telephone during working hours CST.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: nutrient management, tillage, soil conservation
Primary crop and livestock enterprises: agronomic crops, small grains, cover crops, legume cover crops, forestry
Description of Sustainable Agriculture work: Through my Extension programs, I provide practical, hands-on information which is based on research and will help farmers adopt sustainable agricultural practices. I am a natural resources management Extension educator for the University of Illinois Cooperative Extension

Service. I present educational programs related to no-till and mulch tillage farming systems, as well as water quality presentations associated with surface and groundwater management. Each of these involves managment of production inputs associated with nutrients, pesticides and soils.
Information resources available: Our Extension center can provide factsheets on numerous topics related to proper land and water management for farmers and private property owners. Slide programs and eduational presentations may also be presented to interested groups and organizations.

ref #:227 Individual

James M. Krejci
Illinois Cooperative Extension
Edwardsville Extension Center
200 University Park Dr.
Edwardsville IL 62025-3636

Preferred method of contact: office is moving and will let you know of phone number when available.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil conservation, information transfer/education
Description of Sustainable Agriculture work: I am an Extension educator for natural resource management and I conduct programs on water quality, soil conservation and wise use of resources. Through my Extension programming I promote a "systems approach," a balance in farming and natural resource use.
Information resources available: Through the Univ. of Ill. Cooperative Extension Service.

ref #:228 Individual

David A. Larson
Agri Energy Resources
RR 2 Box 113
Princeton IL 61356

Telephone: (815)872-1190
FAX: (815)879-1928
Preferred method of contact: I prefer to be contacted via telephone from 8-5, M-F, Central Time Zone.
Sust. Agric. Roles: supply &/or service provider, teacher
Major Areas of Sust. Agric. Expertise: soil management, farm management, agronomic crop production
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds
Description of Sustainable Agriculture work: We provide products and services to assist commercial farmers to adopt renewable farming systems. We provide products, education, demonstrations and consultation to assist the adoption of sustainable ag practices.
Information resources available: brochures, pamphlets, newsletter, audio cassette, field days, meetings

ref #:229 Individual

Nick Robertson
Illinois Sust. Ag Society
RR 1 Box 172
Cowden IL 62402

REF. 227-231

Telephone: (217)783-6587
Preferred method of contact: I prefer to be contacted via telephone at above number after 7 p.m. CST, or by mail at above address. A message may be left on the answering machine.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, information transfer/education
Primary crop and livestock enterprises: feedgrains, small grains, cover crops
Description of Sustainable Agriculture work: I am a farmer currently applying a cover crop system in my operation.
Land Description: My farmland is a silt clay loam in southern Illinois with low organic matter and low water-holding capacity. It tends to compact easily.
Information resources available: data from test plots, field days, public speakers, slides

ref #:230 Individual

Noel N. Troxclair Jr.
University of Illinois
Cooperative Extension Service
901 W. Washington
Benton IL 62812

Telephone: (618)439-7263
FAX: (618)435-2300
Sust. Agric. Roles: Extension worker, teacher
Major Areas of Sust. Agric. Expertise: pest management, information transfer/education, agronomic crop production
Primary crop and livestock enterprises: agronomic crops, legume cover crops, small grains, oilseeds, forage crops
Description of Sustainable Agriculture work: I serve as an advisory committee member for the Agricultural Conservation and Environmental Center in Gallatin County, Illinois. I serve as a co-investigator in research concerning the impact of buckwheat and hairy vetch on soil fertility.
Land Description: My research site is flat floodplain, with heavy clay soil. It is poorly drained, has flat to 5% slopes. Twenty acres are clay loam soil.
Information resources available: photocopies

ref #:231 Organization

Advanced Biotechnology Inc.
104 W. Market St.
PO Box 1
Elliott IL 60933-0001

Telephone: (217)784-4646
FAX: (217)784-5411
Contact people: William R. Kreitzer
Preferred method of contact: Directory users can contact us through e-mail, PRODIGY ID# DGSV47A.
Sust. Agric. Roles: researcher
Major Areas of Sust. Agric. Expertise: soil biology, soil management, pest management
Primary crop and livestock enterprises: small grains, earthworms
Description of Sustainable Agriculture work: Our company is doing research in connection with the use of earthworms to enhance soil conditions. ASI is a biotechnology company that is developing an environmentally beneficial product that will be marketed under the brand name ET Seeds (ET stands for earthworm tillage). ET Seeds are patented (U.S. Pat. No. 5, 127, 186) encapsulated annelid cocoons which are planted with certain crops to enlarge the depleted earthworm population.
Information resources available: brochures, pamphlets

ref #:232 Organization

American Farmland Trust
Sustainable Ag Program
PO Box 987
Dekalb IL 60115

Telephone: (815)753-9347
FAX: (815)753-2305
Electronic address: aftil@ige.org
Contact people: Bryan T. Petrucci
Sust. Agric. Roles: farm advocacy and support, gov't. policy development
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil conservation, weeds
Primary crop and livestock enterprises: feedgrains, oilseeds, legume cover crops, nonlegume cover crops, legume forages, dairy cattle, hogs, beef cattle
Description of Sustainable Agriculture work: I am director of a national sustainable agriculture program that assists farmers in the adoption of alternative farming practices. The Amer. Farmland Trust (AFT), a private non-profit membership organization founded in 1980 to protect our nation's farmland, works to stop the loss of productive farmland and to promote farming practices that lead to a healthy environment. Its Sustainable Agriculture Program works with agricultural producers to promote alternative farming systems which are practical, profitable and environmentally sound, in three program areas: Assistance to grassroots organizations, advocacy, and on-farm demonstration/research projects. Workshops, field days, conferences and publications provide educational opportunities for farmers.
Land Description: I work with farmers in 5-8 states.
Information resources available: AFT provides educational opportunities for farmers through workshops, field days, conferences and publications. Publications include: On-farm demonstrations project results from Illinois, Indiana, Missouri, and Michigan; The AFT Sustainable Agriculture Directory.

ref #:233 Organization

Central Ill. Agri. Res. Farms
1229 W Edwards
Springfield IL 62704-1634

Telephone: (217)787-6823
Contact people: Bill Becker
Preferred method of contact: I prefer to be contacted via mail or short phone calls between 7 and 8 a.m. CST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, pest management
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops
Description of Sustainable Agriculture work: CIARF is a non-profit organization dedicated to teaching sustainable agricultural techniques and to researching new farming ideas. CIARF is doing large plot replicated research on many farms across central and southern Illinois. Primary crops are corn and soybeans with additional interest in alfalfa, buckwheat, clover, hairy vetch, milo, oats, popcorn, rye and wheat. We promote a systems approach which is economical, soil-conserving and earthworm-friendly.
Land Description: CIARF has research farms across Illinois from the Mississippi to the Wabash which represent many of the soil associations in Illinois and many of the different types of farming/livestock operations.
Information resources available: public speakers, workshops

ref #:234 Organization

Dawn Equipment Company
1210 E. State Street
PO Box 497
Sycamore IL 60178

Telephone: (815)899-3296
FAX: (815)899-3663
Electronic address:
Contact people: Julie A. Barr; Jim Bassett, Pres.
Preferred method of contact: We prefer to be contacted by mail or fax during working hours of 8 a.m. to 4:30 p.m. CST.
Sust. Agric. Roles: supply &/or service provider
Major Areas of Sust. Agric. Expertise: tillage, soil management
Description of Sustainable Agriculture work: We provide innovative residue management tools and other products for reduced tillage systems. Our company is providing reduced tillage tools to manage residue, lessen trips across the fields and increase even stands. Our dealer network spans the U.S. and Canada.
Information resources available: We have literature about our products that we can mail or fax.

ref #:235 Organization

Illinois Department of Ag
Division of Natural Resources
PO Box 19281 State Fairgrounds
Springfield IL 62794

Telephone: (217)782-6297
FAX: (217)524-4882
Contact people: Michael J. Rahe, James Brim
Sust. Agric. Roles: gov't. policy administration, information provider
Major Areas of Sust. Agric. Expertise: soil conservation, information transfer/education, nutrient management
Primary crop and livestock enterprises: cover crops, agronomic crops, forage crops, beef cattle, hogs, sheep, wildlife
Description of Sustainable Agriculture work: I am a Sustainable Agriculture Representative for the Ill. Dept. of Agriculture working with soil and water conservation districts to promote sustainable agriculture. As a S/A representative, I work with soil and water conservation districts to provide training and information for their use when working with farmers. In addition, I work with other S/A farmer groups and universities to encourage on-farm research, networking and information exchange through workshops and conferences.
Land Description: IDOA has the Henry White Experiment Farm, a 90-acre grain farm, which we are converting to an on-farm research facility and outdoor classroom that can be used for research, training of SCS/SWCD personnel and as a learning center for elementary and high school students.
Information resources available: We have: 1. Sust. Ag Brochure, 2. Sust. Ag Info. Cards, 3. Sust. Ag Factsheets (Benefits, Establishment, Selection and Mangement of winter cover crops; hairy vetch, cereal rye and buckwheat cover crop and seed production; N-fixation management, erosion and weed control in S/A, crop yields with vs. w/o cover crops), 4. Farmer guide to S/A Practices, 5. On- Farm Research Results.

ref #:236 Organization

Illinois Stewardship Alliance
PO Box 648
Rochester IL 62563

Telephone: (217)498-9707
FAX: (217)498-8455
Electronic address: HN1046 - Hands Net (Rural Forum)
Contact people: Renee Robinson
Preferred method of contact: I prefer to be contacted via telephone during working hours Central Time Zone.
Sust. Agric. Roles: farm advocacy and support, gov't. policy development
Major Areas of Sust. Agric. Expertise: Family farm, information transfer/education, On-farm demonstration projects
Description of Sustainable Agriculture work: We were organized in 1974. The Illinois Stewardship Alliance (formerly Illinois South Project) has the mission of assisting family farmers and people in rural communities in: developing a food production system based on family farms; building healthy rural communities by promoting sustainable agriculture; and fighting to protect natural resources. As a family-farmer advocacy group, the Alliance works on state and federal policy issues that promote sustainable agriculture, such as LISA and getting a state organic labeling act passed. Through its on-farm demonstrations, the Alliance encourages farmers to experiment with different sustainable practices, which in turn promote sustainable agriculture in Illinois and provide information and knowledge. The Alliance also provides workshops, meetings, conferences and dialogue sessions for farmers, university researchers and agribusiness representatives throughout the year.
Information resources available: We have annual reports on our on-farm research/demonstration project, a newsletter, and information on workshops, meetings and field days set up by the Alliance which we can mail to interested parties.

ref #:237 Organization

Illinois Sust. Ag Network
PO Box 648
128 E. Main St.
Rochester IL 62563

Telephone: (217)498-9705
Contact people: Deborah Cavanaugh-Grant
Preferred method of contact: I prefer to be contacted by telephone; leave message on answering machine, if necessary.
Sust. Agric. Roles: Netwk sust ag organization
Major Areas of Sust. Agric. Expertise: information transfer/education, support
Information resources available: We will have (in 1993) results of the ISAN on-farm research which we can mail to interested parties.

ref #:238 Organization

Illinois Sust. Ag Society
PO Box 418
Rochester IL 62563

Telephone: (217)476-3332
Contact people: Barbara Hill Nowack; Nick Robertson (217)783-6587; Paul Gebhart, RR 2 Box 252, Edenburg IL 62531
Preferred method of contact: We prefer to be contacted by telephone.
Sust. Agric. Roles: information provider, education
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I coordinate and promote sustainable agriculture activities in the state of Illinois.
Information resources available: We have non-print information sources: meetings, public speakers, records, slides, videos and workshops.

ref #:239 Organization

Intl. Ecol. Ag Trade Assn.
1365 N. 800 E. Box 185
Osco IL 61274

Telephone: (309)522-5505
FAX: (309)522-5570
Contact people: David A. Larson, James G. Helfter

Preferred method of contact: I prefer to be contacted via telephone during the hours of 8 a.m. to 5 p.m. CST.
Sust. Agric. Roles: promote ecological agriculture, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, soil biology
Description of Sustainable Agriculture work: Our goal is to promote and encourage the use of ecologically sound agriculture worldwide, to provide food that tastes good, offers high nutrient density, an appropriate nutrient balance, and is free of harmful residues. The function of IEATA is to provide a channel through which groups and individuals devoted to ecological agriculture can interact constructively, exchange information and achieve collective representation in matters of industry significance, including legislation as well as customer and consumer exposure. Some of the strategies IEATA will employ toward these ends include: networking, education and communication, research, and advocacy.
Information resources available: newsletter, meetings, public speakers, field days

ref #:240 Organization

Intl. Ecol. Ag Trade Assn.
PO Box 27
301 Main St.
Osco IL 61274

Telephone: (800)798-5543
FAX: (309)522-5570
Contact people: James G. Helfter; David A. Larson, (815)872-1190
Preferred method of contact: The International Ecological Agricultural Trade Association can be contacted by phone from 8 a.m. to 4:30 p.m. CST.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, soil biology
Primary crop and livestock enterprises:, feedgrains, generally all crops
Description of Sustainable Agriculture work: Our aim is to promote and encourage the use of ecologically sound agriculture worldwide, with the goal of providing food that tastes good, offers high nutrient density of appropriate nutrient balance, and is free of harmful residues. Our association has a purpose to promote sound ecological agriculture practices which will provide food of higher quality and high nutrient density of the appropriate nutrient balance. Members of IEATA will receive a directory of suppliers, manufacturers and consultants whose products and services can help farmers who want to make a transition from conventional farming to biological farming, but don't know where to go for more information. There is a middle ground between chemical farming and organic farming called biological farming. Biological farming practices increase the biological life in the soil by providing a better environment in living soils.
Information resources available: brochures,pamphlets, directory

ref #:241 Organization

McHenry County S&W Cons. Dist.
1143 N. Seminary Ave.
PO Box 168
Woodstock IL 60098

Telephone: (815)338-0098
FAX: (815)338-7731
Contact people: Edward Weskerna
Preferred method of contact: Please contact our office between the hours of 8 a.m. and 4:30 p.m., Monday through Friday, at (815)338-0099.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: soil conservation, water management, information transfer/education
Description of Sustainable Agriculture work: We are a service organization (common in every county in the state of Illinois), focusing on environmental issues relating to agriculture. Each SWCD field office houses a variety of information for dissemination to local landowners.
Information resources available: brochures, pamphlets, newsletter, electronic database, slides, video

ref #:242 Organization

Strohm Bros. Inc.
RR 1 Box 98
West Union IL 62477

Telephone: (217)279-3306
FAX: (217)279-3687
Contact people: Michael W. Strohm; Drew Jewell, Product Spec.
Preferred method of contact: We can be contacted between 7:30 a.m. and 4:30 p.m., Monday through Friday CST.
Sust. Agric. Roles: ag equipment manufacturer, full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, tillage
Primary crop and livestock enterprises: agronomic crops, feedgrains, small grains, oilseeds, cover crops
Description of Sustainable Agriculture work: As a farmer faced with the problems of agriculture, I have developed methods and equipment to address these. This has led to a Midwest-based ag manufacturing business. My work has included the use of cover crops (hairy vetch, rye, buckwheat, etc.) and their involvement with our cash-cropping systems. Also, with the soil problems we are encountering, this has led us to develop new lines of machinery to implement these practices.
Land Description: I farm 760 acres, with corn, soybeans, wheat, vetch, rye, sunflowers, pumpkins and sweet corn being my primary crops.
Information resources available: We have product brochures available on conservation tillage equipment.

ref #:243 Organization

Univ. of Ill. Agro-Ecol. Prog.
211 Mumford Hall
1301 W. Gregory Dr.
Urbana IL 61801

Telephone: (217)244-4232
FAX: (217)333-1952
Electronic address: axxdick@uicumc
Contact people: John M. Gerber
Preferred method of contact: During working hours CST at above number.
Sust. Agric. Roles: researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, agricultural economics, soil management
Primary crop and livestock enterprises: agronomic crops, feedgrains, vegetables, forestry, cover crops, hogs, beef cattle, chicken, sheep
Description of Sustainable Agriculture work: We employ scientific research and educational techniques to address the goal of agricultural sustainability. We have a major program which addresses soil erosion from an engineering perspective. Our efforts to reduce inputs in agronomic enterprises are increasing. Our natural resource economics programs impact both personal and policy decisions that affect long-term sustainability of U.S. agriculture.
Information resources available: We have a series of program papers to encourage dialogue on sustainability issues. A newsletter addresses alternative perspectives. Also each department has a newsletter and factsheets that provide advice on production and marketing.

ref #:244 Organization

Western Ill. Sust. Ag Society
Box 27, RR
Golden IL 62339

Telephone: (217)696-2493
Contact people: Louis Reuschel
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, soil management, soil conservation
Primary crop and livestock enterprises: cover crops, legume cover crops
Description of Sustainable Agriculture work: I am a farmer doing on-farm research and am also a member of the Western Ill. Sust. Ag Society, Ill. Sust. Ag Society and Sust. Agriculture Committee. On-farm research using cover crops — hairy vetch, rye, alfalfa, buckwheat. Also different tillage methods, working toward restoring soil health.
Information resources available: field days, public speakers

INDIANA

REF.
245-
248

ref #:245 Individual

Stephen S. Bonney
100 Georgton Ct.
West Lafayette IN 47906

Telephone: (317)463-9366
Preferred method of contact: I can be contacted by phone anytime. I also have an answering machine.
Sust. Agric. Roles: information provider, gov't. policy development
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am an educator/activist working in several forums to facilitate the transition from industrial agriculture to sustainable agriculture. I am a scientist by training and a catalyst for change by nature. My efforts are directed toward integrating environmentally sound and socially just practices of living into all lives with a focus on agriculture through changes in individual perspectives and government policy (politics). My emphasis is on practical methods for making the transition to sustainable agriculture.

ref #:246 Individual

Ed Fackler
Rocky Meadow Orch. and Nurs.
360 Rocky Meadow Rd. NW
New Salisbury IN 47161

Telephone: (812)347-2213
Preferred method of contact: I prefer to be contacted by phone from 6:30 a.m. to 8:30 a.m. EST, any day.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, soil management, pest management
Primary crop and livestock enterprises: greenhouse or nursery fruit crops
Description of Sustainable Agriculture work: I am a FUNCTIONAL Integrated Pest Management practitioner. As the manager of our farm (Rocky Meadow Orchard and Nursery), I am principally responsible for decisions relating to production techniques. Our chief crops are nursery trees (60%) and fruit crops (35%), with consultation representing the other 5%. All fruit is sold in a retail store here on the farm.
Land Description: Our farm is 30 acres of clay/loam (Criddu-Baxter) with a 2-8% slope.
Information resources available: We have various slide presentations which can be available.

ref #:247 Individual

Eileen J. Kladivko
Purdue University
Agronomy Dept.
1150 Lilly Hall
West Lafayette IN 47907

Telephone: (317)494-6372
FAX: (317)496-1368
Electronic address: (BITNET) KLADIVKO@PURCCVM
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: tillage, soil conservation, soil biology
Primary crop and livestock enterprises: feedgrains, cover crops
Description of Sustainable Agriculture work: I am a soil scientist researching soil physical properties and earthworm populations. My research is focused in two main areas: 1. the effects of different soil and crop management practices on soil physical properties and earthworm populations, and 2. the movement of agricultural chemicals (nutrient, pesticides) through soils. The long-term goal is to help develop agricultural management practices that better balance environmental and economic concerns. We study tillage and crop rotation imports on earthworms, as well as the effects of the earthworms on soil structure, water infiltration, etc. Information is shared at field days and Extension meetings, as well as in scientific journals.
Land Description: My research site is located on silt loam and silty clay loam soils in Indiana.
Information resources available: I have scientific journal articles on soil physical properties, tillage, earthworms and chemical movement in soils. My department has Extension articles on all of the above. I have one or two Extension articles about earthworms. Copies of any of the above can be mailed to interested persons.

ref #:248 Individual

Ken Kleiber
3801 S. CR 575 E.
Selma IN 47383

Telephone: (317)288-4437
Preferred method of contact: I prefer to be contacted by telephone during working hours and evenings until 9:30 p.m. EST.
Sust. Agric. Roles: full-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: organic production, livestock production, agronomic crop production
Primary crop and livestock enterprises: oilseeds, small grains, feedgrains, legume forages, nonlegume forages, chickens, beef cattle
Description of Sustainable Agriculture work: I am a certified organic farmer interested in diversification as a means to sustainable agriculture. As an organic farmer, my primary production in crops are spelt, wheat and soybeans for human consumption. I grow on contract with companies interested in certified organic grains. I also raise organic beef and chicken and sell it directly to consumers, grocery stores and natural food stores in my

region. I am very interested in providing high-quality, clean food for those who are interested.
Land Description: I own and operate a 326-acre farm with 11 different soil types from riverbottom to heavy clay soil on gently rolling hills.
Information resources available: brochures, pamphlets, field days, internships, meetings

ref #:249 Individual

Melvin Nicholson
RR 1 Box 434
Greencastle IN 46135

Telephone: (317)739-6687
Preferred method of contact: Calls before 8:00 a.m. and after 6:00 p.m. will be most likely to get me and not the answering machine.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, livestock production
Primary crop and livestock enterprises: agronomic crops, legume cover crops, forage crops, beef cattle, dairy cattle, hogs

ref #:250 Individual

James J. Vorst
Purdue University
Department of Agronomy
W. Lafayette IN 47907

Telephone: (317)494-6374
FAX: (317)496-1368
Electronic address: JVORST%DEPT%AGRONOMY@DEPT.AGRY.PURDUE.EDU
Sust. Agric. Roles: Extension worker, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, information transfer/education, weeds
Primary crop and livestock enterprises: feedgrains, oilseeds, small grains, legume cover crops, nonlegume cover crops, sheep, chickens
Description of Sustainable Agriculture work: I am an agronomist working with management of Midwestern cropping systems. I work with reduced levels of purchased inputs in corn and soybean cropping systems. I am also interested in effects of purchased inputs on weed competition.
Land Description: My research site is part of the University farm system which is devoted to alternative agriculture research. The soils vary, and topography is zero to 6% slope. Our farm site consists of permanent pasture and alfalfa cut for hay.

ref #:251 Individual

Alan Yegerlehner
RR 1 Box 192
Clay City IN 47841

Telephone: (812)939-2813
Preferred method of contact: I prefer to be called at home at above number at approximately 7-8 a.m. or 12-12:30 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: soil management, livestock production, agronomic crop production
Primary crop and livestock enterprises:, feedgrains, legume forages, nonlegume forages, legume cover crops, small grains, dairy cattle, chickens
Description of Sustainable Agriculture work: I am a dairy and grain farmer trying to implement a "systems" approach to farming that not only preserves topsoil and water quality, but regenerates and rebuilds the soil with a minimum of outside inputs, and still maintains economic sustainability. I am beginning seasonal dairying. I am also wanting to incorp. a variety of forage species for grazing in order to extend the grazing season as well as carry through the summer slump. On the cropping side of our operation we grow corn, soybeans, wheat, hay, hairy vetch and rye under reduced tillage. I have been using ridge tillage for five yrs. & green manures for nitrogen production, weed control & improving soil tilth. I have also measured nitrogen production of hairy vetch in corn production.
Land Description: I am located in west-central Indiana, with soils that are silty, low organic matter, and somewhat poorly drained. We have both upland and creek and riverbottom soils. We do have some sandy loams around the dairy operation.

ref #:252 Organization

Conservation Tech. Info. Center
1220 Potter Drive, Rm. 170
West Lafayette IN 47906

Telephone: (317)494-9555
FAX: (317)494-5969
Contact people: Jerome C. Hytry,
Preferred method of contact: Contact us by phone during working hours EST.
Sust. Agric. Roles: information provider, annual tillage survey
Major Areas of Sust. Agric. Expertise: tillage, soil conservation, information transfer/education
Primary crop and livestock enterprises: forage crops, small grains, legume cover crops
Description of Sustainable Agriculture work: We gather and disseminate information on sustainable agriculture.
Information resources available: We have factsheets on conservation tillage methods for sale.

ref #:253 Individual

P. J. Bramel-Cox
Kansas State University
Dept. of Agronomy
Throckmorton Hall
Manhattan KS 66502

Telephone: (913)532-7238
FAX: (913)532-6094
Preferred method of contact: Contact me by telephone or fax during working hours CST. If time permits, contacting me by mail would be best because I am out of the office quite a bit.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, insects, diseases
Primary crop and livestock enterprises: feedgrains
Description of Sustainable Agriculture work: I am a plant breeder researching the potential use of improved genetics to improve the productivity potential of present and future production systems, with my primary focus on sorghum and various environmental stresses, insect pests, and diseases. My basic research programs address the areas of breeding sorghum for better tolerance to water stress, nutrient stresses such as nitrogen, better resistance to chinch bugs, greenbugs and mites, and better resistance to stalk rot organisms. I have written a number of articles on the potential of plant breeding to impact the goals of sustainable agriculture. I have been involved in the areas of public policy on research funding in this area.
Land Description: My research site is in sorghum production areas of Kansas. These range from heavy clay soils with limited rooting depths in southeast Kansas to light, sandy soils in southwest and northwest Kansas. There is a wide range of precipitation and temperature patterns.
Information resources available: brochures, pamphlets, books, factsheets, monographs, field days, internships, public speakers

ref #:254 Individual

Pete Ferrell
Ferrell Ranch
PO Box 59
Beaumont KS 67012

Telephone: (316)843-2721
Preferred method of contact: Contact me via phone at above number during working hours CST, or at home via phone (316)843-2691, before 8 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher, survivor/catalyst for change
Major Areas of Sust. Agric. Expertise: agricultural economics, forage production, livestock production
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: I am a rancher actively exploring the ecological and economic implications of using time-controlled grazing to effectively harvest native polyculture. I am one of four co-managers at the Ferrell Ranch. I am tactical supervisor of the cow-calf and replacement heifer enterprises. I also serve as general business bookkeeper and analyst. We have developed an effective economic/financial model which facilitates frequent projected vs. actual comparisons. We are in the process of 1. diversifying into non-beef enterprises, 2. developing a subscription basis niche market, and 3. moving toward a grazing methodology which will rely more on herding skills than on technology.
Land Description: I operate in the native tallgrass region of the Flinthills of Kansas. Most of this land has never been plowed, although some was "broken out" 60 to 100 years ago. The topography varies from gently rolling (loamy and clay upland soils) to very rugged (limey soils) and areas with 45% or greater slopes.
Information resources available: I have made presentations on time-controlled grazing for the Kansas Rural Center, The Land Institute and the Rodale Institute.

ref #:255 Individual

James R. Nechols
Kansas State University
Dept. of Entomology
W. Waters Hall
Manhattan KS 66506-4004

Telephone: (913)532-6154
FAX: (913)532-6232
Preferred method of contact: Contact me by phone or fax.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: insects, weeds, horticultural crop production-vegetables
Primary crop and livestock enterprises: cucurbits, small grains, greenhouse or nursery, cut flowers
Description of Sustainable Agriculture work: I conduct research in the area of biological control of insect and weed pests. This practice is environmentally safe, natural, and self-sustaining (low-impact). I conduct research on biological control of vegetable, small grain, and weedy pests in Kansas. I am also becoming involved in biological control of greenhouse (floricultural) crops. In addition, I teach a graduate course in biological control, and an undergraduate course in horticultural entomology, which stresses alternative (nonchemical) forms of pest management.
Land Description: We have a horticultural research field and an experiment station grain field.
Information resources available: I have reprints of scientific papers and an audiocassette on "Biological Control."

ref #:256 Individual

Paul D. Ohlenbusch
Kansas State University
Agronomy Department
Throckmorton Hall
Manhattan KS 66502-5504

Telephone: (913)532-5776
FAX: (913)532-6315
Preferred method of contact: I prefer to be contacted by phone or fax.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: range management, pasture management, vegetation management
Primary crop and livestock enterprises: rangeland, pastureland, CRP, beef cattle, sheep
Description of Sustainable Agriculture work: I am an Extension specialist working with producers to develop long-term, economic based management programs on grazing lands. As an Extension specialist, I provide objective information on the management and use of forages used for grazing. Through meetings, workshops, news releases and publications, information is made available to producers. Special areas of emphasis include basic grazing management, prescribed burning, and weed and brush management. The overall emphasis is the total management of all aspects of the operation as a sustainable business.
Land Description: We have various sites in the state of Kansas.
Information resources available: Our publications and events cover grazing-land management (rangeland, pastureland and Conservation Reserve Program) in all aspects.

ref #:257 Organization

Kansas Dept. of Wildlife & Parks
PO Box 1525
Emporia KS 66801

Telephone: (316)342-0658
FAX: (316)342-6248
Contact people: Kevin E. Church
Preferred method of contact: Contact us by office mail or telephone, 8 a.m. to 5 p.m. CST.
Sust. Agric. Roles: researcher, supply &/or service provider
Major Areas of Sust. Agric. Expertise: wildlife biology, environment, pest management
Description of Sustainable Agriculture work: I'm a wildlife researcher/manager interested in agriculture/wildlife interactions. I coordinate a research project pertaining to agrochemicals, and alternative agriculture and effects on wildlife.
Land Description: Our research site consists of state public lands — state parks and wildlife areas.
Information resources available: brochures, pamphlets, public speakers, slides

ref #:258 Organization

Kansas Rural Center
PO Box 133
Whiting KS 66552

REF. 256-259

Telephone: (913)873-3431
Contact people: Jerry Jost, Ed Reznicek (913)939-2032
Preferred method of contact: Working hours CST or at home: Rt. 3 Box 116, Lawrence KS 66044, (913)841-7044.
Sust. Agric. Roles: farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, agronomic crop production, livestock production
Primary crop and livestock enterprises: cover crops, legume forages, small grains, feedgrains, beef cattle, hogs, poultry, sheep
Description of Sustainable Agriculture work: The Kan. Rural Center promotes the long-term health of the land & its people through education, research & advocacy. The Rural Center cultivates grassroots support among rural & urban people for farming practices, technology & public policies that encourage an economically, environmentally and socially sust. agri. and rural culture. Kan. Rural Center offers an alt. to the industrialization of agri. On-farm demonstrations: cover crops, non-chemical weed controls, manure mgmt., strip cropping, livestock mgmt. Education: conferences, workshops, newsletter, private consultation. Advocacy: monitoring legislation, ag research initiatives.
Information resources available: Our newsletters and conferences cover practical information on sustainable ag. targeting farmer-to-farmer and farmer-to-extension networks. We also cost-share demonstrations.

ref #:259 Organization

The Land Institute
2440 E. Water Well Road
Salina KS 67401

Telephone: (913)823-5376
FAX: (913)823-8728
Contact people: Peter Kulakow, Dr. Jon Piper, Dr. Mary Hendley, Dr. Wes Jackson, Dana Jackson, Mr. Tom Mulhern
Preferred method of contact: I prefer to be contacted by telephone during working hours CST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agroecology research, new crop development, information transfer/education
Primary crop and livestock enterprises: new crops
Description of Sustainable Agriculture work: We are using the prairie as a model for a sustainable agriculture based on cultivation of perennial grains in polycultures.
Information resources available: books, newsletter, field days, internships, public speakers

KENTUCKY

REF. 260-263

ref #:260 Individual

Deborah B. Hill
University of Kentucky
Department of Forestry
Lexington KY 40546-0073

Telephone: (606)257-7610
FAX: (606)258-1031
Electronic address: dhill@ca.uky.edu
Preferred method of contact: I prefer to be contacted by e-mail, or by phone during working hours EST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: forestry, agroforestry
Primary crop and livestock enterprises: Christmas trees, forestry, agroforestry, mushrooms, medicinals, wildlife, beekeeping
Description of Sustainable Agriculture work: I am investigating and implementing intercropping techniques with Christmas trees or timber trees and alternative (non-timber) forest products. As an Extension specialist in forestry at a land-grant university, I have developed programs in small-scale Christmas tree production, shiitake mushroom production, use of agriculture in forested areas, maple syrup production, craft materials, and medicinal plants from forested areas. I produce written materials and videotapes on these topics, and hold demonstrations and workshops for the people of Kentucky.
Land Description: Upland woods in eastern Kentucky on the edge of Appalachia.
Information resources available: There is a "Kentucky Christmas Tree Production Workbook" which is a loose-leaf, step-by-step production manual. I plan to develop a similar manual for shiitake production and possibly other areas.

ref #:261 Individual

Annabel L. Kellam
302 Peachtree Rd.
Nicholasville KY 40356

Telephone: (606)887-2026
Preferred method of contact: I prefer to be contacted by post at the above address.
Sust. Agric. Roles: information provider, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: livestock production
Primary crop and livestock enterprises: rabbits, poultry, sheep, goats-dairy, beef cattle
Description of Sustainable Agriculture work: I am a scientist interested in the development, dissemination and application of sustainable livestock production.

ref #:262 Individual

Toni Merk
Community Farm Alliance
Rt 6 Box 157E
Liberty KY 42539

Telephone: (606)787-8539
Electronic address: Will be on HandsNet
Preferred method of contact: I prefer to be contacted by mail or by phone. I am gone a lot, but messages can be left on answering machine. I plan to be on HandsNet in the near future.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production
Description of Sustainable Agriculture work: I am evaluating the University of Kentucky's agricultural research as a member of the Community Farm Alliance's Sustainable Agriculture Committee.

ref #:263 Individual

Ralph Quillin
Kentucky Graziers Supply
1929 South Main Street
Paris KY 40361

Telephone: (606)987-0215
FAX: (606)987-7021
Preferred method of contact: Contact me by mail, or by phone at above number from 8 a.m. to 5 p.m. or 7 p.m. to 9 p.m. at (606)987-7021 EST.
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: portable livestock water systems, controlled grazing, information transfer/education
Primary crop and livestock enterprises: legume forages, nonlegume forages, legume cover crops, nonlegume cover crops, beef cattle
Description of Sustainable Agriculture work: As practicing graziers (grass farmers), we have been actively involved in the evolution and development of new management, technical, and philosophical approaches to controlled grazing. Most recently, we have developed a portable livestock water system that not only simplifies grazing system design, but enhances management. There has been evolution and revolution in the grazing industry. We have developed low-cost, low-tech solutions to enhance our own grazing operation. These solutions are so simple that they can rapidly increase the transfer of grazing technology and management skills to even the novice grazier. Key components are: single-wire, low-cost, energized, high-tensile fencing and simplified construction techniques, simplified dynamic grazing system design, inexpensive portable livestock water systems developed for use in an intensive grazing environment, grazing workshops, field days, fencing schools, lectures/

slide presentations and a newsletter.
Information resources available: We have catalogs, technical sheets, a newsletter and management, consultation and design services. These cover all aspects of controlled grazing.

ref #:264 Organization

Community Farm Alliance
200 Short St. # 10
Berea KY 40403

Telephone: (606)986-7400
FAX: (606)986-4273
Electronic address: HN1402 HandsNet, Hal Hamilton on MCI mail.
Contact people: Hal Hamilton
Sust. Agric. Roles: farm advocacy and support, information provider
Description of Sustainable Agriculture work: CFA is a membership organization of farmers comprised of county chapters across Kentucky.
Information resources available: brochures, pamphlets, factsheets, monographs, lending library, conventions, electronic database, field days

ref #:265 Organization

Ky. Dept. of Agriculture
Capital Plaza Tower 7th Fl.
Frankfort KY 40601

Telephone: (502)564-4696
FAX: (502)564-6527
Contact people: Kathy Aman, Chris Kring, Roger Nesbitt
Preferred method of contact: I prefer to be contacted by phone from 9 a.m. to 4:30 p.m. EST.
Sust. Agric. Roles: gov't. policy administration, information provider
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, marketing
Primary crop and livestock enterprises: vegetables, greenhouse or nursery, small fruits, herbs, greens (including salads)
Description of Sustainable Agriculture work: I am the program coordinator and certifier for the Kentucky Department of Agriculture's Organics Program. The Kentucky Dept. of Agriculture offers the certification to all producers in the state who meet our strict regulations. There are no research farms per se, but I personally encourage on-farm research with all of the certified growers. The growers are also encouraged to open their farms to any interested people. Many of the growers do this.
Land Description: I am the organic certifier for the state of Kentucky. The farm that my husband and I have is 89 acres. We do research on the farm in small plots. However, we do not market any produce at this time. The farm has what is considered to be "minimal" farmland.
Information resources available: brochures, pamphlets, newsletter

ref #:266 Organization

Laura's Lean Beef Company
Suite 203
400 Old East Vine St.
Lexington KY 40507

Telephone: (606)254-5554
FAX: (606)254-6698
Contact people: Laura Freeman, Keith Tanksley
Preferred method of contact: I would prefer to be contacted in writing at above address.
Sust. Agric. Roles: marketing organization, full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: marketing, livestock production, farm management
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: We are a lean beef marketing company emphasizing natural cattle feeding and family farms. All our beef must be raised without implants or the use of low-grade antibiotics or other artificial feed additives. In addition, we promote the use of integrated pasture management, and have reduced the number of days on corn feed to finish our cattle.
Information resources available: brochures, pamphlets, cattle contracts, field days, public speakers

ref #:267 Organization

Oldfields Seed Co.
6074 Kiddville Rd.
PO Box 190
Mt. Sterling KY 40353

Telephone: (606)842-4707
FAX: (606)842-4708
Contact people: E. Rhodes Johnston
Preferred method of contact: via telephone or fax at above numbers or 1-800-448-5145 during working hours EST.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: forage production, forage management, livestock production
Primary crop and livestock enterprises: forage crops, legume cover crops, non-oilseed legumes, beef cattle
Description of Sustainable Agriculture work: I am a CEO of forage seed import and sales company with knowledge of innovative grass farming techniques. I had first commercial stand of Matua prairie grass in U.S. I am knowledgeable of the characteristics of Matua and other high yield forages. I was a founder of the Laura's Lean Beef Co., producers of "organic" beef for wholesale trade.
Information resources available: We have a catalog and factsheets on various imported forages.

LOUISIANA

REF. 268

ref #:268 Individual

Caroline Theus
Inglewood Plantation
Inglewood Land & Devel. Co.
6287 Old Baton Rouge Hwy.
Alexandria LA 71302

Telephone: (318)442-6398
FAX: (318)443-1808
Sust. Agric. Roles: part-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: livestock production, agricultural economics, farm management

Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: I am a farmer interested in applying sustainable farming practices to the greatest degree possible and to spreading the philosophy to others in the state and region. I do not consider myself to be an expert or even a source of research information in sustainable agriculture, so much as an advocate of the practice. As a community leader and a member of the Louisiana Board of Regents for Higher Education, I would like to encourage and influence research in sustainable practices. I think that L.S.U. A&M has lagged behind some other land-grant institutions and private researchers in this area.
Land Description: I farm on 3,200 acres. It is a diversified farm, with woodlands, pasture and historic houses.

MASSACHUSETTS

3/888a PDF

REF. 269-272

ref #:269 Individual

Molly D. Anderson
Tufts University
School of Nutrition
126 Curtis Street
Medford MA 02155

Telephone: (617)627-3223
FAX: (617)627-3887
Electronic address: MANDERSO@pearl.tufts.edu
Preferred method of contact: Any of the above.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: agricultural research policy, ecology, information transfer/education
Description of Sustainable Agriculture work: I am a researcher analyzing use of alternative practices, agricultural education and research policy, and involvement of public-interest groups.
Information resources available: journal offprints

ref #:270 Individual

David N. Ferro
University of Massachusetts
Dept. of Entomology
Amherst MA 01003

Telephone: (413)545-1049
FAX: (413)545-2115
Preferred method of contact: I prefer to be contacted by mail, but will also accept telephone calls.
Sust. Agric. Roles: researcher, public education/research instit.
Major Areas of Sust. Agric. Expertise: insects, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, solanaceous vegetables, cucurbits, cole crops, fruit crops
Description of Sustainable Agriculture work: I am an applied ecologist devoted to developing insect pest management tactics as alternatives to insecticides. I have ongoing research programs in identifying and using biological control agents for the Colorado potato beetle and the European corn borer. I also have programs aimed at developing cultural practices such as delayed planting, crop rotations, habitat manipulation, and trap crops for managing Colorado potato beetles.
Information resources available: brochures, pamphlets, factsheets, monographs, newsletter, field days, meetings, public speakers

ref #:271 Individual

Karen Idoine
Univ. of Mass. Coop. Ext. System
211 Stockbridge Hall
University of Massachusetts
Amherst MA 01003-0099

Telephone: (413)545-4768
FAX: (413)545-6555
Electronic address: KIdoine@COOPEXT.UMASS.edu (INTERNET)
Preferred method of contact: Please contact me by telephone during working hours. Voice Mail operates 5 p.m. to 8 a.m. and on weekends EST. Fax is on-line 24 hrs/day, 7 days/wk. Can use INTERNET mail also.
Sust. Agric. Roles: Extension worker, teacher
Major Areas of Sust. Agric. Expertise: insects, ornamentals, organic production
Primary crop and livestock enterprises: landscape, ornamentals, nonfruit nursery
Description of Sustainable Agriculture work: I am an Extension specialist with The Landscape and Nursery Program. My area of expertise is integrated pest management and biological control. My training and experience is in entomology. I also have more than 20 years of practical experience with organic gardening, soil management, composting and small-scale vegetable production. I publish articles regularly in our newsletter, "Hort Notes," trade magazines, newsletters and The Boston Globe.
Land Description: Research sites: residential and commercial landscapes, nurseries (woody ornamentals)
Information resources available: The UMASS Coop. Ext. System Landscape and Nursery Program offers the following newsletters and publications: "Hort Notes," "Turf Notes," "Garden Clippings," and "Garden Calendar." The Northeast Organic and Sustainable Farmers Network offers, through this office, a packet of resource materials on sustainable and organic agriculture for $15. Make checks payable to "NOFA" and request from K. Idoine.

ref #:272 Individual

Wendell Kelley Jr.
The Stone Fence Inc.
PO Box 609
N. Amherst MA 01059

Telephone: (413)253-0723
Contact people: Miss Anne Marie DeMartino
Preferred method of contact: We prefer to be contacted by phone during working hours, or by mail.
Sust. Agric. Roles: educators, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, farm management
Description of Sustainable Agriculture work: We are educators creating a sourcebook for people interested or currently involved in sustainable farming in New England. We are interested in supporting sustainable agriculture and community resourcing by providing an accessible easy-to-use directory of necessary resources to New England farmers who are actively engaged or interested in sustainable practices. Our directory will be a compilation of information regarding regional, state and

REF.
273-
276

federal organizations, farmer advocacy groups, farming communities, providers of appropriate techonology, services and more. Our goals are to revitalize the networking among this region's farmers and to provide access to the information and contacts that will allow both new farmers to work in sustainable systems and conventional farmers to viably switch to sustainable methods.
Information resources available: We will have a sustainable agriculture sourcebook for farming in New England by spring of 1993 for sale through farmer's organizations, fairs, bookshops and by mail.

ref #:273 Individual

Kathy Morris
Prospect Hill Farm
Prospect Hill Rd.
Royalston MA 01368

Telephone: (508)249-4260
Contact people: Larry Siegel
Preferred method of contact: We prefer to be contacted by mail, or if necessary by phone EST.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: horticulture crop production-herbs, livestock production, organic production
Primary crop and livestock enterprises: herbs, alfalfa sprouts, dried flowers and herbs, vegetables, cut flowers, hogs, dairy cattle, beef cattle, poultry, beekeeping
Description of Sustainable Agriculture work: We are a small, diversified family farm growing a wide variety of herbs, vegetables and alfalfa sprouts, and raising cows, pigs and poultry to provide us with as much of our own food as we can. We provide for our other needs through sale and/or barter of our surplus.
Land Description: We homestead 70 acres of a worn-out New England hilltop farm with nearly stone-free fields due to past use. We fenced 15 acres for grazing 4-6 cows. We have improved 1 acre for crops using animal manures, rock phosphate, & lime. Manures are composted with garden leftovers and leaves. We grow ½ acre annual vegetables, annual herbs, flowers. ½ acre of perennial herbs are in 4'x15' raised beds. We have ½ acre of small fruits and 50 fruit trees. Pigs clean pasture and create new gardens. Chickens eat insects around fruit trees.
Information resources available: We have a list of available herbs and perennials which we mail to people.

ref #:274 Individual

Ronald J. Prokopy
Department of Entomology
University of Massachusetts
Amherst MA 01003

Telephone: (413)545-1057
FAX: (413)545-2115
Contact people: Dan Cooley
Preferred method of contact: I prefer to be contacted during normal working hours at my office phone.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: insects, horticultural crop production-fruits, organic production
Primary crop and livestock enterprises: pome fruits, stone fruits
Description of Sustainable Agriculture work: I am a researcher, Extension entomologist, and operator of a small commercial fruit farm. My aim is development and implementation of low-input, fruit-pest control practices. My research involves developing cultural, behaviorial, and biological means of insect pest control as a substitute for pesticides in orchards. It also involves integration of these new practices with horticultural and disease management practices. Implementation of research occurs in commercial orchards, including my own.
Land Description: I have a 50-tree commercial apple orchard of disease resistant cultivars for which I have developed a very low-input, sustainable management program transferable to larger orchards.
Information resources available: We have developed many written articles and a sustainable approach to orchard pest management.

ref #:275 Organization

Natural Organic Farmers Assn.
411 Sheldon Road
Barre MA 01005

Telephone: (508)355-2270
Contact people: Julie Rawson, Mr. Jack Kittredge
Preferred method of contact: Contact us by phone or mail.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, marketing
Primary crop and livestock enterprises: greens (including salads), onions and related vegetables, cut flowers, small fruits, chicken, poultry, turkey
Description of Sustainable Agriculture work: Julie Rawson is a certified organic grower, NOFA Summer Conference organizer and NOFA-MA coordinator. Jack is a natural farmer, and editor and manager of the NOFA video project. Julie: "I offer organizational leadership development and broad training to grassroots organizations which want to revitalize or better focus their activities." Jack: "As an editor, I prepare educational materials to teach organic methods."
Land Description: We have a small family farm where we raise mixed vegetables, small & tree fruit, poultry, some hogs, and cows (all free range).
Information resources available: We offer: annual conference; 150 workshops; internships on organic farms; meetings (local chapter conferences on various subjects); people who will speak to groups; and 64 videos of summer conference workshops on a variety of organic methods.

ref #:276 Organization

New England Small Farm Institute
Box 937
169 Jackson St.
Belchertown MA 01007

Telephone: (413)323-4531
FAX: (413)323-9594
Contact people: Kathryn Ruhf, Judith F. Gillan
Preferred method of contact: Phone or visit M-F, 9-3 or by arrangement.
Sust. Agric. Roles: teacher, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, policy/advocacy, organic production
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, forestry, ornamentals
Description of Sustainable Agriculture work: The New England Small Farm Institute is a non-profit educational organization promoting the sustainable use of the region's agricultural resources through demonstration, education and training, advocacy and policy work. The Institute manages 440 acres of state-owned land, subleasing to independent farm enterprises and related businesses. We are a demonstration and training center, with a resource library, workshops and a developing competency-based farmer training curriculum. We manage farm apprentice and farmland matching services, farmer's market insurance, stewardship lease and other tenure/land acres models; state and regional sustainable ag policy/advocacy/networking; organic production and certification; and agricultural composting association located here.
Land Description: Our farm is on 440 acres of publicly owned land with 120 tillable acres in vegetables, field crops, hay and orchard; a demonstration woodlot; conservation/wetland; private enterprises and public demo./recreation access. We have varied topography and soils, typical of New England, with focus on fertility, water mgmt. and forestry, as well as crop production.
Information resources available: We have a variety of materials specific to the Northeast. Topics include land use issues such as farmland matching services, on-site leases, apprenticeship matching, etc. Technical topics such as composting, soil fertility management, organic certification, and farmer training are also covered. We have a nonlending library with over 2,000 books and journals, as well as another 1,000 titles on microfiche.

ref #:277 Organization

REF. 277

University of Massachusetts
Dept. of Entomology
Fernald Hall
Amherst MA 01003

Telephone: (413)545-1051
FAX: (413)545-5858
Contact people: William M. Coli
Sust. Agric. Roles: research/Extension, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, pest management, agricultural economics
Primary crop and livestock enterprises: agronomic crops, forage crops, fruit crops, ornamentals, vegetables
Description of Sustainable Agriculture work: We are a multi-disciplinary team working in many aspects of sustainable agriculture, including soil fertility, cover crops, biological control and advanced (biointensive) integrated pest management. Our primary crops are tree fruits, small fruits, vegetables, cranberries and greenhouse production. We publish numerous newsletters, hold training sessions and shortcourses, and carry out extensive research programs. We currently are developing a 5-college program in sustainable agriculture in concert with Smith, Mt. Holyoke, Amherst College, Hampshire College and the University of Massachusetts.
Land Description: Much of our work is done in grower fields or orchards. In addition, we have four research farms devoted to various crops.
Information resources available: We have factsheets and manuals on IPM and other sustainable agriculture components.

MARYLAND

REF. 278-281

ref #:278 Individual

J. Scott Angle
University of Maryland
Dept. of Agronomy
College Park MD 20742

Telephone: (301)405-1346
FAX: (301)314-9049
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil biology
Primary crop and livestock enterprises: agronomic crops, oilseeds, legume cover crops, legume forages, legume vegetables
Description of Sustainable Agriculture work: I am a soil microbiologist studying effects of agricultural practices of the soil microbial population. I investigate the role of nitrogen fixation in reducing inputs of inorganic fertilizers. I also examine the use and importance of genetically engineered microbes as a replacement for pesticides.
Land Description: My research is conducted in the Piedmont region of central Maryland. We concentrate on general cereal grain and soybean farming.

ref #:279 Individual

James A. Duke
Herbal Vineyard
8210 Murphy Rd.
Fulton MD 20759

Telephone: (301)498-1175
FAX: (301)504-5536
Preferred method of contact: I prefer to be contacted by mail, with S.A.S.E.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: permaculture, information transfer/education, herbs
Description of Sustainable Agriculture work: I am a botanist growing medicinal herbs sustainably at home and working with tropical extractive reserves. As an herbal researcher, I grow very limited quantities of many medicinal species and their wild relatives. I provide materials of exotic herbs in collaboration with other scientists capable of analyzing them. I expect to go into herbal medicinals before long. My growing is organic, often permacultural.
Land Description: I have 6 acres — 3 in lawn, herb or weeds, and 3 in forest.
Information resources available: I have 15 books published, mostly on esoteric economic plants like herbs and medicinal plants.

ref #:280 Individual

Walter Ehrhardt
Ehrhardt Organic Farm
1032 Hoffmaster Road
Knoxville MD 21758

Telephone: (301)834-9247
FAX: (301)834-9247
Preferred method of contact: Contact us anytime by telephone or fax. We welcome visits.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, marketing
Primary crop and livestock enterprises: vegetables, fruit crops, cover crops
Description of Sustainable Agriculture work: We own and operate a certified organic market garden and offer workshops in organic gardening. We also write and lecture extensively on organic agriculture and the environment. Ehrhardt Organic Farm supplies certified organic fruits and vegetables to 55 families, utilizing community-supported agriculture. We teach organic methods in workshops and in our internship program. We have written and lectured extensively, and have been featured in Organic Gardening magazine and on National Public Radio and CNN. Increasingly, our scope is expanding to national and international sustainable agriculture. Through our work with Partners In The Environment, a non-profit organization, we planned and coordinated an international training program at the Pine Ridge Reservation in South Dakota. Also, in 1991, we travelled through the former Soviet Union evaluating the state of agriculture and the environment.
Land Description: Our principal growing area is 5 acres, which is enclosed by an electric deer fence. It is located in the Blue Ridge Mountains, but the growing area is flat. It is isolated from other farms by hundreds of acres of woodland. The farm is 4 miles from the nearest highway, and is about 75 miles northwest of Washington, D.C.
Information resources available: Our information resources include: workshops on organic methods, lectures, National Public Radio audio cassettes, CNN video cassettes, and reprints of articles we have written or someone else has authored about our farm.

ref #:281 Individual

Ray R. Weil
University of Maryland
Agronomy Dept.
College Park MD 20742

Telephone: (301)405-1314
FAX: (301)314-9041
Preferred method of contact: Phone or fax anytime. Not on e-mail yet.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, nutrient management
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, agroforestry, vegetables
Description of Sustainable Agriculture work: I am a

soil scientist and agronomist researching organic matter and nutrient management in rainfed cropping systems in the U.S.A. and abroad. I am particularly interested in multiple cropping systems, including agroforestry, and the plant-soil-microbe interactions in them. As a professor, I teach courses on "soil and the environment," "fundamentals of soil science," "principles of soil fertility," "sustainable agriculture" and "advanced soil-plant relationships." I am currently researching wheat/soybean relay cropping, winter cover crops, nutrient management in ridge-till and no-till, composting with rock phosphate, and testing for active organic matter. I have grown vegetables on medium (5-20 acres) and small-scale farms, and work in sustainable development in Africa, Asia and Latin America, as well as in the U.S.A.

ref #:282 Organization

Alternative Farming Systems Info Center
National Agricultural Library
10301 Baltimore Blvd.
Beltsville MD 20705-2351

Telephone: (301)504-6559
FAX: (301)504-5181
Electronic address: Internet: NALAFSIC@ASRR.ARSUSDA.GOV
Contact people: Jane Potter Gates, Jayne T. MacLean, Gabriel A. Hegyes
Preferred method of contact: Prefer inquiry by mail. Telephone or fax questions also OK, during business hours 8:00 a.m. to 4:30 p.m. EST.
Sust. Agric. Roles: information provider, information collector
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am a technical information specialist/librarian with the National Agricultural Library's Alternative Farming Systems Information Center (AFSIC), who answers questions, mainly from the literature, on all aspects of sustainable agriculture. AFSIC staff research and answer questions about alternative farming or sustainable agriculture, using the collections of the National Agricultural Library, its AGRICOLA database, or the expertise of a network of contacts. They also provide information in the form of free bibliographies and directories.
Information resources available: We have about 40 current bibliographies from the AGRICOLA database that list books and magazine articles on the important methods and concerns of sustainable agriculture. We also offer a directory of "Educational and Training Opportunities in Sustainable Agriculture," as well as other helpful publications. All these information products are listed in a List of Information Products and are available free on request.

ref #:283 Organization

Clagett Farm
Chesapeake Bay Foundation
11904 Old Marlboro Pike
Upper Marlboro MD 20772

Telephone: (301)627-4393
Contact people: Michael Heller
Sust. Agric. Roles: farming & the environment advocacy, farm/environmental education
Major Areas of Sust. Agric. Expertise: environmental effects, information transfer/education, nutrient management
Primary crop and livestock enterprises: feedgrains, forage crops, vegetables, beef cattle
Description of Sustainable Agriculture work: Our focus is the promotion of sustainable farming with a strong environmental emphasis, through youth and adult education on our 285-acre farm, which includes a 157-acre commercial operation, and cooperative research projects. I manage a 285-acre farm for a non-profit environmental organization concerned with the health of the Chesapeake Bay. Agriculture is one of the major polluters of the Bay, but also provides some of the most significant open space. We view sustainable agriculture as critical if we are to maintain agriculture as an integral part of the culture, economics and environment of the Bay region. Our farm has four elements: 1. research on sustainable farming, 2. 150-acre commercial operation with beef cattle, corn, hay, oats and organic vegetables, 3. youth and adult education programs, 4. agricultural public policy evaluation.
Land Description: The farm is 285 acres (60 wooded) of mostly fine sand loam soils. The land is gently rolling to steep (up to 30% slopes), with some much too steep for cultivation.
Information resources available: field days, internships, public speakers

REF.
282-
284

ref #:284 Organization

Institute for Alternative Agriculture
9200 Edmonston Rd.
Suite 117
Greenbelt MD 20770

Telephone: (301)441-8777
FAX: (301)220-0164
Contact people: Neill Schaller, Garth Youngberg
Preferred method of contact: Prefer to be contacted via telephone (or mail or fax) during working hours EST.
Sust. Agric. Roles: scientific credibility of sust. ag information provider
Major Areas of Sust. Agric. Expertise: research, information transfer/education, voice for alternative agriculture
Description of Sustainable Agriculture work: Our purpose is to enhance the scientific credibility of sustainable farming systems and to foster the dissemination of sound information about such systems so as to increase awareness, understanding and adoption of sustainable agriculture. We publish a quarterly scientific journal, "American Journal of Alternative Agriculture," occasional papers, and proceedings of institute-sponsored conferences. With other like-minded organizations, we serve as a research catalyst, interpreter and communicator at meetings and on task forces, and as a voice for sustainable agriculture in the national public policy process.
Information resources available: We have available: 1. Journal: the "American Journal of Alternative Agriculture" (quarterly, refereed), 2. Monthly newsletter: "Alternative Agriculture News," 3. Conference proceedings, 4. Occasional paper series

MAINE

REF. 285-288

ref #:285 Individual

Richard J. Brzozowski
Univ. of Maine Cooperative Extension
96 Falmouth St.
Portland ME 04103

Telephone: (207)780-4205
Sust. Agric. Roles: Extension worker, teacher
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am an extension educator who has designed and coordinated two shortcourses to introduce sustainable agriculture to producers. They were: 1990 — 9 session (18 hours), Introduction to Sust. Ag. 1992 — 6 session (18 hours), Sust. Ag. for Fruit and Vegetable Growers. I have a fairly good library of information on sustainable agriculture. As a part of the shortcourse, I designed informational packets for participants.These packets are the beginning of a handy reference for producers.
Information resources available: informational packets, field days

ref #:286 Individual

Tim Griffin
Univ. of Maine Cooperative Extension
115A Deering Hall
Orono ME 04469

Telephone: (207)581-2942
FAX: (207)581-2941
Preferred method of contact: Please contact me by fax or ordinary mail.
Sust. Agric. Roles: Extension worker, on-farm demonstrations
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, livestock production
Primary crop and livestock enterprises: forage crops, feedgrains, tuber vegetables, cover crops, dairy cattle, beef cattle
Description of Sustainable Agriculture work: I am an Extension specialist in sustainable agriculture, with responsibilties for: general education on principles of sustainability; coordinating interdisciplinary workshops/demonstrations in sustainable agriculture. As an Extension specialist in Maine, I am involved in research/education on using on-farm nutrient sources to reduce environmental impact and production costs, evaluating alternative production practices for weed and pest control, and efficient production/utilization of forage crops.
Land Description: High erosion potential, generally acidic; cold soils

ref #:287 Individual

Russell Libby
Maine Dept. of Agriculture
Station #28
Augusta ME 04333

Telephone: (207)289-3871
FAX: (207)289-7548
Preferred method of contact: I prefer telephone calls from 9 a.m. to noon, and at other times as available.
Sust. Agric. Roles: information provider, gov't. policy development
Major Areas of Sust. Agric. Expertise: agricultural economics, farm management, organic production
Primary crop and livestock enterprises: vegetables, small fruits, pome fruits, dairy cattle
Description of Sustainable Agriculture work: I provide price information, and marketing and management assistance to small, primarily organic farms in Maine. My principal interests are in developing better ties between farmers and consumers. I do regular surveys of organic prices in Maine at the farm levels. I work with municipalities on land use policies to encourage farming. I work with farmers on management issues. Most of my work is with organic farmers (I've been an officer of Maine Organic Farmers and Gardeners Assn. for 8 years), but I'm also doing a cost-of-production study for Maine dairy farmers. I'm part of a regional SAREP project on organic livestock, and I'm the economist on a regional SAREP project on cover crops.
Information resources available: I have available: 1. Organic market prices, Maine, 1990-to date, 2. Study, economic productivity of small farms in Maine (1986)

ref #:288 Individual

Gregory A. Porter
University of Maine
Plant, Soil & Env. Sci. Dept.
114 Deering Hall
Orono ME 04469

Telephone: (207)581-2943
FAX: (207)581-2999
Preferred method of contact: Contact me by mail, fax or phone.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, nutrient management, agronomic crop production
Primary crop and livestock enterprises: tuber vegetables, small grains, feedgrains, cover crops
Description of Sustainable Agriculture work: I am an agronomist researching cover crops, soil management, crop rotation and nutrient management systems for potatoes. I am interested in developing information regarding economically and ecologically sound production practices for potato production systems so that these systems can be extended (reliably) to maintain family farming operations. My research focus has been on developing tools for nitrogen management (tissue testing, reduced rates, delayed timings and legume rotation

crops) and improved soil management practices (crop rotation, soil amendments, cover crops, etc.).
Land Description: Aroostook Farm Research Center of the Maine Agricultural Experiment Station provides extensive resources for field studies on potato and rotation crops.

ref #:289 Individual

Bill Seckins
Maine Dept. of Agriculture
Station # 28
Augusta ME 04333

Telephone: (207)289-3511
FAX: (207)289-7548
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: waste utilization in agriculture, composting
Major Areas of Sust. Agric. Expertise: waste utilization in agriculture; composting, large-scale; composting, small-scale
Description of Sustainable Agriculture work: I am a researcher exploring better ways to utilize both on-farm and off-farm generated by-products. As a researcher for the Department of Agriculture, I have completed inventories of organic waste products having potential use on the farm as soil amendments. I have also worked on several farm-scale composting projects using fish by-products, shellfish wastes, animal manures, wood ash, potato culls, food processing wastes, forestry by-products, paper mill sludge, leaves and school cafeteria wastes. I have reports available describing most of these projects.
Information resources available: We have reports and slides on: usable waste products for the farm, composting fishery by-products, composting potato culls and processing wastes (also on video), composting animal manures with leaves (also on video), leaf composting, home composting, standards for compost products, and principles of farm composting. We also have handouts on composting equipment types and construction of backyard composters.

ref #:290 Organization

Maine Organic Farm. & Gard. Assn.
MOFGA
PO Box 2176
Augusta ME 04338

Telephone: (207)622-3118
Contact people: Eric Sideman
Preferred method of contact: Contact me by phone or mail.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, soil management
Primary crop and livestock enterprises: cover crops, fruit crops, small fruits, vegetables, legume cover crops, sheep, poultry, beef cattle
Description of Sustainable Agriculture work: MOFGA is a non-profit organization committed to small farm production of food by sustainable/organic practices. MOFGA supports organic farming through many staff and volunteer activities. We offer technical assistance to farmers and gardeners, publish a bi-monthly newspaper called the "Maine Organic Farmer and Gardener," put on the Common Ground Fair every September (over 50,000 attendees learn small farming, gardening and rural life), and operate a farm apprentice program and more.
Information resources available: Factsheets: "Organic Apple Growing;" "Organic Strawberry Growing;" "Organic Raspberry Growing;" "Compost Making;" "Garden Weeds;" "An Organic Farmers Guide to Interpretation of a Standard Soil Test." Technical Bulletins: #1-"Basics of Organic Vegetable Gardening;" #2-"An Introduction to the Physical Nature of Soils;" #3-"An Introduction to Soil Fertility, Soil Testing, and Soil Amendments with Details on Compost Making;" #4-"Basics of Green Manuring and Crop Residues."

ref #:291 Organization

Pike Lab Supplies Inc.
RR 2 Box 92
Strong ME 04983

Telephone: (207)684-5131
FAX: (207)684-5133
Contact people: Robert Pike, Janice Pike, Cheryl Clough, John Clough
Preferred method of contact: Please contact us during working hours EST.
Sust. Agric. Roles: supply &/or service provider, researcher
Major Areas of Sust. Agric. Expertise: nutrient management, soil biology, information transfer/education
Primary crop and livestock enterprises: sweet corn, small fruits, vegetables, tuber vegetables, cover crops, microbes/compost
Description of Sustainable Agriculture work: I am an engineer interested in developing tools and techniques to inform farmers of the natural productivity of their soils. We sell instruments to farmers and consultants. These include refractometers, penetrometers, conductivity, pH, pNA, pK, pCA, plus major plant nutrient test kits.
Information resources available: brochures, pamphlets, catalog, instructive audiocassette, meetings, video

ref #:292 Organization

University of Maine
Sustainable Agriculture Program
Deering Hall
Orono ME 04469

Telephone: (207)581-2926
FAX: (207)581-2999
Contact people: Matt Liebman; Dr. Tim Griffin, Cooperative Extension, Deering Hall, Univ. of Maine Orono, ME (207)581-2942
Preferred method of contact: Please contact me by mail. Dr. Griffin can be reached at (207)581-2942.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: agronomic

crop production, horticultural crop production-vegetables, livestock production

Primary crop and livestock enterprises: agronomic crops, vegetables, cover crops, forage crops, ornamentals, beef cattle, dairy cattle, sheep, chicken, cold-water aquaculture

REF. 293

Description of Sustainable Agriculture work: Since 1988, the University of Maine has offered a comprehensive program in sustainable agriculture which emphasizes: 1) Increasing farm profits & decreasing production costs, 2) Building soil tilth & fertility through sound management practices, 3) Protecting water quality, worker health & food safety, 4) Managing pests with ecologically-sound practices, 5) Creating strong rural communities. The College of Applied Sciences and Agriculture offers a 120-credit B.S. degree program in sustainable agriculture. With this degree, students may pursue a broad-based curriculum or concentrate their studies in Agricultural and Resource Economics; Animal, Veterinary, and Aquatic Sciences; Plant Protection; Plant Science; or Soil Science. The B.S. in sustainable agriculture is appropriate for students interested in careers as farmers, educators, Extension agents, researchers, consultants, planners and policy analysts. Graduate students studying sustainable agriculture here can earn 17 various degrees in the doctor of philosophy, master of science and master of professional studies programs. We also conduct a broad range of sustainable agriculture research at our research farms.

Land Description: We have four research farms located in northern, central, and eastern Maine. We also conduct research at multiple commercial farms of cooperators throughout the state.

Information resources available: We have Extension factsheets, book chapters, and journal articles concerning plant, soil, livestock, and pest management.

ref #:293 Organization

Woods End Agricultural Institute
Box 1850 Rome Road
Mt. Vernon ME 04106

Telephone: (207)293-2457
FAX: (207)293-2488
Contact people: William Brinton, Jonathan Collinson, Eric Evans
Preferred method of contact: Written inquiries are preferred.
Sust. Agric. Roles: researcher
Major Areas of Sust. Agric. Expertise: composting, nutrient management, soil biology
Primary crop and livestock enterprises: agronomic crops, greenhouse or nursery, cover crops
Description of Sustainable Agriculture work: I am conducting research on soil improvement through use of composted organic wastes. I am also involved with research of farm nutrient budgeting.
Land Description: We have a small research farm with grasses and research plots of 25 acres.
Information resources available: We have a book on soil fertility, stressing natural nutrient management; several booklets on composting of farm and other wastes; and a booklet on green manuring.

MICHIGAN

ref #:294 Individual

Ben Bartlett
Michigan State University
Cooperative Extension Service
1030 Wright St.
Marquette MI 49855

Telephone: (906)228-4830
FAX: (906)228-4572
Preferred method of contact: I have no preference — however you can get it done.
Sust. Agric. Roles: Extension worker, full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: livestock production, farm management, information transfer/education
Primary crop and livestock enterprises: sheep, beef cattle, dairy cattle
Description of Sustainable Agriculture work: I am a teacher of intensive grazing and fencing concepts, developer of an IRM program for the state of Mich., and operate a commercial ewe flock and stocker cattle operation. I've practiced controlled grazing with our 500 ewes and 100 stocker cattle for the last 10 years. As an Extension agent, I've written grazing bulletins, promoted grazing and low capital input systems for dairy farmers, and put on numerous fencing schools. I'm actively putting together a beef cattle IRM program, since I feel IRM, LISA and sustainable agriculture are all intertwined concepts.
Land Description: Our research site is on the Upper Peninsula of Michigan, with cold, snowy winters and great grass/legume summers. We have an Upper Midwest climate.
Information resources available: I have available a controlled grazing bulletin & video.

ref #:295 Individual

John Durling
Michigan State Unviersity
Dept. of Crop & Soil Sciences
Plant & Soil Sciences Bldg.
East Lansing MI 48824

Telephone: (517)355-0196
FAX: (517)353-5174
Preferred method of contact: I prefer to be contacted via telephone during working hours EST.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: agronomic crop production, information transfer/education, farm management
Description of Sustainable Agriculture work: I am an educator and agronomist providing administrative support and limited technical support to the Michigan Agricultural Stewardship Association. I work with the Michigan Agricultural Stewardship Association in leadership and organizationl development.
Information resources available: Newsletter, field days, workshops, etc. are available through the Michigan Agricultural Stewardship Association.

ref #:296 Individual

Robert N. Fogg
Organic Farmer
3043 Olds Rd.
Leslie MI 49251

Telephone: (517)589-9290
Preferred method of contact: I prefer to be contacted by telephone after 9 p.m. EST.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: organic production, soil management, livestock production
Primary crop and livestock enterprises: cover crops, legume forages, feedgrains, oilseeds, small grains, chicken, dairy cattle
Description of Sustainable Agriculture work: I am an OCIA-certified organic farmer (335-acres) raising diverse crops including forages for my dairy herd (25 milking and equal replacements), corn, soybeans, small grains, green manure and cover crop seed. I use no synthetic chemicals or fertilizers or pesticides. Crops are raised under Organic Crop Improvement Assn. guidelines and when possible are sold on the organic market. Most of the soybeans are contracted with Eden Foods Inc. of Clinton, Mich., for the production of soy milk. Crops not sold on the organic market are utilized by the dairy herd or sold locally on the conventional market. Some on-farm research is done in cooperation with the Rodale Institute. Information gained is shared with other farms.
Land Description: My farm consists of 370 acres (335 acres are tillable) of gently rolling sandy loam soil. It is naturally well drained. It lays in two tracts in field sizes from 20 to 80 acres. Fencerows with many trees and underbrush border most fields, providing winter habitat for many predatory beneficial insects.

ref #:297 Individual

Stuart H. Gage
Michigan State University
Entomology Dept.
243 Natural Sciences Bldg.
East Lansing MI 48824

Telephone: (517)355-2135
Electronic address: GAGE@MSUKBS.BITNET
Preferred method of contact: Any means of communication is suitable.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: pest management, horticultural crop production-fruits, information transfer/education

Primary crop and livestock enterprises: fruit crops, chicken, poultry
Description of Sustainable Agriculture work: I am an entomologist involved in application of systems science to sustainable agriculture. As an entomologist, I have been researching the integration of vegetables and animals (birds) into low-input apple production systems.
REF. 298-302
Land Description: My research site is a 3-acre apple orchard planted with three cultivars of disease-resistant apples in three blocks of high, medium and low density plantings. The soil is a loamy sand.
Information resources available: research reports, field days, public speakers, slides

ref #:298 Individual

Richard R. Harwood
Michigan State University
Crop & Soil Sciences Dept.
260 Plant & Soil Science Bldg.
East Lansing MI 48824

Telephone: (517)336-1611
FAX: (517)353-3834
Electronic address: RHARWOOD@ibm.cl.msu.edu
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil biology, nutrient management
Primary crop and livestock enterprises: feedgrains, legume cover crops, nonlegume cover crops, small grains, legume forages, beef cattle
Description of Sustainable Agriculture work: I am an agronomist researching the effects of crop rotation/crop diversity on soil biota and on nutrient flow in the soil. I research crop rotation with corn, soybeans, wheat and alfalfa, using a broad range of legume and nonlegume cover crops to increase diversity and enhance biological activity. Leaching losses are closely monitored. Rotations include organic, low-input integrated and conventional systems.
Land Description: Several Michigan research stations and farm fields.
Information resources available: bulletins, factsheets, monographs, field days, meetings

ref #:299 Individual

Oran B. Hesterman
Michigan State University
Crop & Soil Sciences Dept.
East Lansing MI 48824

Telephone: (517)355-0264
FAX: (517)353-5174
Preferred method of contact: Contact via telephone 8:00 a.m.-5:00 p.m. EST or write at above address.
Sust. Agric. Roles: researcher, leadership development
Major Areas of Sust. Agric. Expertise: agronomic crop production, information transfer/education, nutrient management
Primary crop and livestock enterprises: forage crops, legume cover crops, feedgrains, sprouts
Description of Sustainable Agriculture work: I am a researcher, investigating benefits of legumes in cropping systems and an Extension specialist helping to develop the leadership and organizational structures necessary to address barriers to adoption of sustainable agricultural systems.

ref #:300 Individual

Russ LaRowe
Kalkaska Soil/Water Cons. District
605 N. Birch Street
Kalkaska MI 49646

Telephone: (616)258-3307
Preferred method of contact: Contact me at my office phone.
Sust. Agric. Roles: information provider, Extension worker
Major Areas of Sust. Agric. Expertise: soil conservation, livestock production, water management
Primary crop and livestock enterprises: beef cattle, dairy cattle
Description of Sustainable Agriculture work: I am on the board of the Michigan Agricultural Stewardship Association, and currently conduct on-farm demonstration projects in northern Michigan for the organization. In conducting on-farm demo projects, I provide advice on production problems associated with low-input systems. Demos include Intensive Rotational Grazing, Alternative Crops, N Rate Comparisons, IPM in Fruit Trees, and Goats Used in Brush Clearing.
Information resources available: brochures, pamphlets, newsletter

ref #:301 Individual

Richard H. Lehnert
Michigan Agri. Stewardship
Ed., Land Stewardship News.
9690 Grove Rd.
DeWitt MI 48820

Telephone: (517)669-9023
Contact people: Tom Guthrie, 7301 Milo Rd., DeWitt, MI 49046
Preferred method of contact: Write or call anytime.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I gather information for a newsletter and write about sustainable agriculture for other audiences whenever I can.
Information resources available: MASA directs its efforts at members & seeks new members in Michigan. Members do on-farm research that is published annually with the help of American Farmland Trust.

ref #:302 Individual

Douglas A. Murray
Murray Pest Management
45670 64th Ave.
Paw Paw MI 49079

Telephone: (616)674-3078
Preferred method of contact: I am available, in season, by phone from 7 a.m. to 9 a.m. and evenings. I may also be contacted by mail.
Sust. Agric. Roles: pest/fertility consultant, teacher
Major Areas of Sust. Agric. Expertise: insects, nutrient management, horticultural crop production-fruits
Primary crop and livestock enterprises: pome fruits, stone fruits, small fruits, vine fruits, vegetables
Description of Sustainable Agriculture work: I am an integrated pest management and biological fertility consultant for fruit and vegetable crops, making significant impact on the reduction of toxic chemicals and the improvement of sustainable quality. As a consultant, I advise some 20 growers/clients on insect, disease and other pest information on their farms as well as keeping up with regional information. I also scout for beneficial organisms and make spray recommendations. As a fertility specialist I do soil testing (C.E.C., LaMotte, Scanner); plant analysis; and recommendations using "biological" fertilizers, believing that proper nutrition builds immunity to pest attack. As a teacher, I train scouts and consultants, and hold grower classes to share the above information.
Land Description: I consult and do research on more than 2,000 acres of tree fruit, small fruit and vegetable farmland with the cooperation of the 20-some owners of these 10- to 650-acre farms, of which some 500 acres are approaching "toxic-free" seasons.
Information resources available: I hold meetings and field days to educate growers in the areas of pest identification, beneficial identification, and proper nutrition. I am always looking for qualified persons to train in these areas. Internships would run from March to October.

ref #:303 Individual

Jerry Wirbel
4240 Stark Road
Hope MI 48628

Telephone: (517)689-3857
Preferred method of contact: By telephone or in writing.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: agricultural economics, marketing, soil conservation
Primary crop and livestock enterprises: sugar crops, dry beans
Description of Sustainable Agriculture work: I like to show and tell farmers how no-till works with crops that usually have normal tillage. I instruct farmers how no-till will work in sugar beets and dry beans. This will save money, prevent soil erosion and provide cleaner water.
Land Description: My farm is dominated by gently rolling clay and clay-loam soils.
Information resources available: I have field days to demonstrate no-till with sugar beets and dry beans. I also present slide shows at meetings.

ref #:304 Individual

Jerry Wirbel
Michigan Agri. Stewardship
4240 Stark Road
Hope MI 48628

REF. 303-306

Telephone: (517)689-3857
Contact people: Tom Guthrie, 7301 Milo Rd., Delton MI 49046
Preferred method of contact: Contact me at the above address or phone.
Sust. Agric. Roles: information provider, researcher
Information resources available: brochures, pamphlets, newsletter, field days, meetings, public speakers

ref #:305 Organization

Eden Foods Inc.
701 Tecumseh
Clinton MI 49236

Telephone: (517)456-7424
FAX: (517)456-7025
Contact people: Britt Eustis, Nancy Potter - President, Pam Stepka - Sales Director, Ann Sinclair - Quality Assur.
Preferred method of contact: Telephone us during working hours EST, or contact us by mail.
Sust. Agric. Roles: cert. organic food processor
Major Areas of Sust. Agric. Expertise: marketing, organic production
Description of Sustainable Agriculture work: We develop certified organic food products for the natural food industry. We produce and market organic food products. Our organic product line includes soy milk, pasta, a variety of tomato products (including crushed and sauces), and sauerkraut and canned beans. We serve primarily the natural foods industry, though our soy milk and pasta can be found in mainstream groceries. We work directly with growers and strive to develop long-term relationships with individuals committed to sustainable organic management practices.
Information resources available: We have recipe booklets, our organic standards for farming and processing, and price lists.

ref #:306 Organization

Michigan Agri. Stewardship
7301 Milo Rd.
Delton MI 49046

Telephone: (616)623-2261
Contact people: Tom Guthrie; Mr. Jerry Wirbel, 4240 Stark Road, Hope MI 48628; Mr. John Durling, Mich. State Univ., East Lansing MI 48824
Preferred method of contact: Our organization can be contacted by mail at the above address or number and we will try to put you in contact with someone who has knowledge about your area of interest.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education

Primary crop and livestock enterprises: feedgrains, fruit crops, vegetables, oilseeds, cover crops, sheep, dairy cattle, beef cattle, goats-meat
Description of Sustainable Agriculture work: The organization promotes and exchanges ideas about sustainable agriculture through newsletters, field days, and any other means possible. The organization has members who do on-farm research exploring many alternative farming methods involving many different crops. Our research includes no-till, ridge till, conservation till, conventional till, seed by air, rotational grazing, corn, soybeans, sugar beets, dairy cattle, goats, fruits, vegetables.
Information resources available: brochures, pamphlets, newsletter, field days, meetings, workshops

ref #:307 Organization

Michigan State University
Crop and Soil Science Dept.
260 Plant & Soil Science Bldg.
East Lansing MI 48824

Telephone: (517)336-1611
FAX: (517)353-3834
Electronic address: RHARWOOD@ibm.cl.msu.edu
Contact people: Richard R. Harwood, Dr. Bernard Knezek, Dr. Thomas Edens
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil biology, insects
Primary crop and livestock enterprises: feedgrains, small grains, cover crops, forage crops, agroforestry, dairy cattle, beef cattle
Description of Sustainable Agriculture work: The Michigan State University program is a broadly based research and education program dealing with the biology of integrated cropping systems. It covers crop rotation, soil biology, insect management, economic and environmental impact of organic and low-input, integrated systems. MSU has a diverse and broad-based program in sustainable agriculture.
Land Description: Several research stations throughout Michigan.
Information resources available: brochures, pamphlets, bulletins, field days, meetings, courses

ref #:308 Organization

Transnational Agronomy Ltd.
470 Market SW, Suite 101
Grand Rapids MI 49503

Telephone: (616)456-6878
FAX: (616)776-9903
Contact people: Philip A. Wheeler, Ronald Ward, Christoper Lupkin
Preferred method of contact: TNA prefers to be contacted at 1-800-456-6878 during working hours EST.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil biology, pest management
Primary crop and livestock enterprises: agronomic crops, forage crops, fruit crops, vegetables, Christmas trees, dairy cattle, beef cattle, warm-water aquaculture
Description of Sustainable Agriculture work: TNA creates, manufactures and distributes products and technology to growers of any crop or community who wish to reduce or eliminate the need for and use of toxic rescue chemistry (organic or synthesized) on their particular crop. All programs and products are sustainable/biological. TNA provides products and technology (farmer classes) to grow everything from apples and blueberries in Michigan, to bananas and coffee in Hawaii. We serve pecan growers in California and pepper producers in Pennsylvania. A large volume of business is done with farmers in the Midwest. We teach all growers how to raise the brix (sugar content) of their crops, which provides disease and insect resistance and increases food value. Our soil nutrient management programs provide weed and grass control without herbicides in most cases. TNA publishes a monthly newsletter, "The Trans-A-Gram," available by subscription to non-customers.
Information resources available: We have available: 1. Non-toxic farming handbook, 2. Monthly newsletter "Trans-A-Gram," 3. 3-day classes: Sustainable/Biological Farming, 4. 3-day classes: Electronic Scanner for Biological Agriculture, 5. Annual conventions (usually Grand Rapids, Mich.), 6. Field days: Throughout Midwest or greater U.S., 7. Farm meetings: Throughout Midwest or greater U.S.

MINNESOTA

ref #:309 Individual

Tom P. Abeles
Pleasant Hollow Farm
3704 11th Ave. S
Minneapolis MN 55407

Telephone: (612)823-3154
FAX: (612)825-6865
Preferred method of contact: Contact me 24 hours a day by phone or fax.
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: agricultural economics, organic production, marketing
Primary crop and livestock enterprises: oilseeds, small grains, specialty industrial crops, edible beans, grass seed
Description of Sustainable Agriculture work: Formally trained as a scientist and researcher in renewable energy/resources, I provide consulting and planning models internationally in rural development, as well as developing production/marketing for over 4,000 acres of organic and chemical-free agriculture row operating. I have extensive experience in biomass energy, new crops, new uses and new markets. I am the developer/operator of 4,000-plus acres of chemical-free and organic production; research/design consultant for biomass energy systems (biogas, combustion, composting); consultant/researcher for rural planning and economic development, futures, strategic planning, complex dynamics models focus on rural futures, small-scale, solid-waste, wastewater treatment systems, and cogeneration. My crops include wheat, soybeans, edible beans, sunflowers, flax, safflowers, soft fruit and others. My sustainable techniques are no-till, intercropping and organic/chemical-free. Other services include organic crop marketing, agricultural finance and business planning, laboratory and on-farm research, and computer modeling.
Land Description: I farm on 45,000 acres in South Dakota and Minnesota. Included in the farm are 4,000 acres of mixed crop organic production and 600 acres of chemical-free oilseed production. All of the farmland is no-till, except for the organic portion, which is row crop.
Information resources available: I have printed information describing operations and services, copies of articles published in professional journals, custom document delivery service, database searches and custom research reports.

ref #:310 Individual

John S. Ahlrichs
CENEX/Land O'Lakes
PO Box 64089
St. Paul MN 55164

Telephone: (612)451-5533
FAX: (612)451-4561
Preferred method of contact: Via telephone at the above number during working hours CST.
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: We are developing and implementing an electronic information service for farm supply cooperatives and other information multipliers. The information system collects information from original sources and delivers it to information multipliers. Local agronomic experts (information suppliers) often have inadequate knowledge or information at their fingertips to aid farmers in making key agronomic decisions. Our goal is to provide these local experts with computer-based decision aids and broad-based (diverse) information databases. This system allows users to rapidly search and evaluate information about crop production alternatives.

ref #:311 Individual

R. Dwight Ault
Rt 1 Box 230
Austin MN 55912

Telephone: (507)437-3085
FAX: (507)433-8890
Contact people: Ralph Lentz
Sust. Agric. Roles: family farmer, environmentalist, policy developer, state/fed gov't
Major Areas of Sust. Agric. Expertise: farm management, agronomic crop production, livestock production
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds, non-oilseed legumes, hogs, sheep, beef cattle
Description of Sustainable Agriculture work: I am a family farmer-environmentalist attempting to move my farm and my world toward a sane and sustainable agriculture. I am primarily a farmer-environmentalist who is changing his farming methods toward more complete sustainable methods and who spends most of his spare time working to change policy more favorable to sustainable agriculture and the environment, whether it be on the township or international level.
Land Description: My farm is in southeast Minnesota, made up of moderately heavy glacial till and lighter waterlain sandy clay loam, lightly rolling in an area subject to moderate erosion, and moderate to good in productivity rating. It is a farm which needs livestock and the accompanying manures. It also contains 30 acres of wetland and 15 acres of trees.

ref #:312 Individual

Peter & Kristie Bingham
Great Northern Deer Farm
RR 1 Box 262
Randall MN 56475

Telephone: (612)749-2197

Contact people: North Amer. Deer Farmers Assn.
Preferred method of contact: I would like to be contacted by mail or by telephone. I lecture and give tours by appointment.
Sust. Agric. Roles: full-time farmer/rancher, lobbyist/law enforcement
Primary crop and livestock enterprises: red deer
Description of Sustainable Agriculture work: I am introducing a new farming (new livestock) method of red deer production by using rotational grazing systems. As a deer farmer, I am stocking three grown red deer per acre. I am raising breeding stock, and marketing males for slaughter. I am producing a low-fat, lean red meat that tastes good. I am utilizing a former turkey farm on 15 acres and am using less land than traditional livestock.
Land Description: My farm is a little hilly and grassy. It has 10 acres of sandy soil, with a low marsh. The pH is 6.1, P is high, and K is medium.
Information resources available: I have a list of books covering deer farming from New Zealand.

ref #:313 Individual

Doug Gunnink
Rt 1 Box 105
Gaylord MN 55334

Telephone: (612)237-5162
FAX: (612)237-2343
Preferred method of contact: Contact me anytime by phone or fax.
Sust. Agric. Roles: full-time farmer/rancher, consultant
Major Areas of Sust. Agric. Expertise: organic production, farm management, livestock production
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds, forage crops, dairy cattle, sheep, hogs, chicken, beef cattle
Description of Sustainable Agriculture work: I'm an organic livestock/crop farmer evaluating the economics of a low-input forage-based system. As the on-farm research coordinator for sustainable agriculture, I have worked with composting, grazing, minimum-till/low-impact crop production, and livestock systems. As a former teacher, I also speak to farm groups about moving further on the continuum of sustainability.
Land Description: We have 160 acres of Clarion Webster soils. Half of the land has been changed from cropland to rotational pasture.

ref #:314 Individual

Tim King
Todd Cty. Farmers Mkt. Assn.
RR 2 Maple Hill
Long Prairie MN 56347

Telephone: (612)732-6203
Preferred method of contact: Contact me by telephone or mail.
Sust. Agric. Roles: part-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: marketing, horticultural crop production-fruits, horticultural crop production-vegetables
Primary crop and livestock enterprises: garlic, solanaceous vegetables, cut flowers, vine fruits, small fruits
Description of Sustainable Agriculture work: I am a market gardener, farmers market organizer and new crop researcher. We grow warm-season crops in a cold climate along with garlic and strawberries. I have organized two farmers markets and a failed marketing co-op. I am researching garlic as a commercial crop in Minnesota. With the University of Minnesota, I am a founding board member of the University of Minnesota Institute for Sustainable Agriculture. I am an agricultural journalist.
Land Description: We have 3 acres of garden and orchard, and 35 acres of meadow and woods.
Information resources available: We have garlic factsheets.

ref #:315 Individual

James W. Lehmann
American Amaranth Inc.
384 S. Seely St.
PO Box 196
Bricelyn MN 56014

Telephone: (507)653-4377
FAX: (507)653-4322
Preferred method of contact: I prefer to be contacted by telephone during working hours CST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: genetics, organic production, agronomic crop production
Primary crop and livestock enterprises: amaranths, quinoa, specialty industrial crops
Description of Sustainable Agriculture work: I am a plant breeder investigating the role of amaranths and other unconventional crops in crop rotations. As a plant breeder, I am developing grain amaranths suited to crop rotations and forage needs for the northern U.S. to Kansas.
Information resources available: factsheets, monographs

ref #:316 Individual

Craig Sheaffer
University of Minnesota
411 Borlaug Hall
1991 Buford Circle
St Paul MN 55108

Telephone: (612)625-7224
Preferred method of contact: Contact me by telephone or mail.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production
Primary crop and livestock enterprises: non-oilseed legumes, legume forages, nonlegume forages, legume cover crops, sheep, dairy cattle, chicken
Description of Sustainable Agriculture work: I am an agronomist researching the use of legumes in intensive grazing systems and the use of legumes in cropping systems. I study kura clover, birdsfoot trefoil and alfalfa

in on-farm and experiment station research.
Land Description: Our research sites include Minnesota agricultural research stations.
Information resources available: We have factsheets and bulletins on forage legumes and grasses.

ref #:317 Individual

Tony Anderson Solgard
WCPA
2509 34th Ave. South
Minneapolis MN 55406-1733

Telephone: (612)724-5540
Preferred method of contact: I prefer to be contacted by mail or by phone during normal business hours CST.
Sust. Agric. Roles: information provider, gov't. policy development
Major Areas of Sust. Agric. Expertise: information transfer/education, policy development, organizing
Description of Sustainable Agriculture work: I am a public affairs writer and consultant focusing on public policy issues affecting agricultural sustainability. I write for publications and organizations and offer high-quality desktop publishing services. I also offer special event planning and field representative services for national and coast-based organizations. As a public affairs writer and consultant, I focus on public policy issues affecting sustainability. I write articles for publications and materials for a full range of organizational needs. High-quality desktop publishing is also offered. Comprehensive planning services are offered for conferences, meetings and special events. Midwest field representative services are available to national or coast-based organizations. My special interests include Swedish agriculture, sustainable urban settlements and self-sufficient alternatives in culture and economics.
Information resources available: I am a free-lance writer and meeting and event planner specializing in public policy issues affecting sustainability.

ref #:318 Individual

Jim Tjepkema
Rodale Institute
Box 128
Clarks Grove MN 56016

Telephone: (507)256-7409
Preferred method of contact: By phone or mail.
Sust. Agric. Roles: research/Extension, farm advocacy and support
Major Areas of Sust. Agric. Expertise: general sust. farming, organic production, agronomic crop production
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds, legume cover crops, nonlegume cover crops, beef cattle, chickens, dairy cattle, hogs
Description of Sustainable Agriculture work: I am the on-farm research and Extension coordinator supporting and helping plan the research and educational activities of a network of farmers committed to sustainable farming. I help 13 farmers of the Rodale Midwest Network plan and conduct on-farm research on a wide variety of topics, ranging from simple screening to replicated field plot studies of cropping practices to case studies of rotational grazing. I have obtained grant money to support some of these projects. I am responsible for field days and winter workshops. I am active in sust. farming groups in the area where I live. I follow the work of Dick and Sharon Thompson closely and I always am looking for new ways to promote sust. agri.
Information resources available: Book and booklets on sust. farming practices published by the Rodale Institute. Annual network reprint and Thompson on-farm research report.

REF. 317-321

ref #:319 Individual

Joan Weyandt-Fulton
Strawberry Ridge Farm
3780 Sandberg Rd.
Duluth MN 55810

Telephone: (218)624-3971
Preferred method of contact: I can be contacted by mail or phone.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, weeds
Primary crop and livestock enterprises: small fruits
Description of Sustainable Agriculture work: I am a low-input strawberry grower using geese for primary weed control.
Land Description: I have rolling land with sandy loam soil.

ref #:320 Individual

George Yokiel
RR 1 Box 15
Wells MN 56097

Telephone: (507)553-3008
Preferred method of contact: I prefer to be contacted by phone from 8-8:15 a.m. or after 8 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, organic production, livestock production
Primary crop and livestock enterprises: feedgrains, oilseeds, small grains, legume cover crops, dairy cattle, beef cattle
Description of Sustainable Agriculture work: I am a certified organic grower of corn, oats, soybeans, blue corn, and alfalfa. I am certified by OGBA. We use natural fertilizers. Our soybeans and blue corn are sold in the organic market.
Land Description: We have 320 acres of land, which is nearly level, and most of it is system tiled.

ref #:321 Organization

Amaranth Institute
PO Box 216
Bricelyn MN 56014

Telephone: (507)653-4379

Contact people: James W. Lehmann, Dr. Robert Meyers
Preferred method of contact: We prefer to be contacted either by mail or by telephone.
Sust. Agric. Roles: information provider, supply &/or service provider
REF. 322-324
Major Areas of Sust. Agric. Expertise: information transfer/education, agronomic crop production, organic production
Primary crop and livestock enterprises: amaranths
Description of Sustainable Agriculture work: We gather information on organic and sustainable methods of raising amaranths. The Amaranth Institute publishes an amaranth grain production guide concerning organic and conservation tillage methods. Our newsletter contains factual information on amaranth topics, meetings and developments.
Information resources available: newsletter, periodicals, proceedings, meetings

ref #:322 Organization

Center for Alt. Plant & Animal Prod.
340 Alderman Hall
University of Minnesota
St. Paul MN 55108

Telephone: (612)625-5747
FAX: (612)624-4941
Contact people: Ervin Oelke
Preferred method of contact: We prefer to be contacted by mail.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, horticultural crop production-vegetables, marketing
Primary crop and livestock enterprises: agronomic crops, oilseeds, specialty industrial crops, vegetables, exotic livestock
Description of Sustainable Agriculture work: The Center for Alternative Plant and Animal Products provides information on new crop and livestock enterprises. The Center for Alternative Plant and Animal Products was created to aid in the development of new and alternative crop and livestock enterprises. The Center provides a University of Minnesota focus for 1) generating, receiving and evaluating new product ideas, 2) facilitating alternative product research and development efforts, and 3) disseminating information to the public on alternative plant and animal products.
Information resources available: We have a newsletter, "BioOptions;" an "Alternative Field Crops" manual; a bibliography on alternative agricultural opportunities, which is also available in electronic form; and proceedings from symposia we have sponsored.

ref #:323 Organization

Energy and Sustainable Ag Program
Minnesota Dept. of Agriculture
90 W. Plato Blvd.
St. Paul MN 55107

Telephone: (612)296-1277
FAX: (612)297-7678
Contact people: Mary J. Hanks, Doug Gunnink, Wayne Monsen
Preferred method of contact: I prefer to be contacted via telephone during business hours CST, or by mail.
Sust. Agric. Roles: information provider, gov't. policy administration
Major Areas of Sust. Agric. Expertise: livestock production, agronomic crop production, soil management
Primary crop and livestock enterprises: agronomic crops, forage crops, cover crops, vegetables, dairy cattle, sheep, hogs, beef cattle
Description of Sustainable Agriculture work: The Energy and Sustainable Agriculture Program demonstrates and promotes alternative farming practices which are energy efficient, environmentally sound, profitable and enhance the self-sufficiency of Minnesota farmers. The program focuses on on-farm research and information transfer, and administers demonstration grants and loans. This program sponsors on-farm research on weed management, composting and nitrogen management, and prepares case studies of sust. farms. The program also administers a farmer-mentor program to assist beginning or transitional farmers in adopting alternative systems. The sust. ag grant/loan programs provide incentives for farmers to adopt and experiment with alternative practices including conservation tillage; rotational grazing; weed management; cover crops; IPM; fertility management using manures, compost and green manures; and expanded crop rotations.
Information resources available: We have brochures describing our program, the annual summary of on-farm research and demonstration (Greenbook), a resource directory for Minn. sust. ag, a sust. ag guidebook (avail. to interested people), approx. 30 field days/yr and several winter workshops, speakers upon request, and maintain a small lending library and videotape collection. Our mentor program provides free assist. to beginning and transitional farmers who need practical support from experienced sust. ag farmers.

ref #:324 Organization

Farmers Legal Action Group
1301 Minnesota Building
46 E. 4th St.
St. Paul MN 55101

Telephone: (612)223-5400
FAX: (612)223-5335
Contact people: Juliet Tomkin, Patricia Jensen
Preferred method of contact: FLAG prefers to be contacted by telephone or fax during working hours of 9 a.m. to 5 p.m. CST. Ask for Juliet Tomkins or Patricia Jensen.
Sust. Agric. Roles: agricultural law attorneys, legal support for farm advocates
Major Areas of Sust. Agric. Expertise: agricultural law, federal agricultural programs
Description of Sustainable Agriculture work: FLAG is a non-profit law firm which provides a range of legal services to financially distressed family farmers, their lawyers, and farm advocacy organizations including impact litigations, education and legislative assistance. FLAG has provided legal technical assistance to organizations working on changing federal policy to remove barriers to sustainable agriculture. FLAG's work in sustainable

agriculture has been on behalf of the Midwest Sustainable Agriculture Working Group (SAWG). SAWG is a consortium of sustainable agriculture, environmental, rural and food organizations dedicated to developing policy options and strategies that encourage sustainable agriculture. FLAG's work has included providing SAWG with technical legal assistance on improving implementation of the Integrated Farm Management Program Option (IFMPO). IFMPO is a voluntary federal program established under the 1990 farm bill. It is designed to assist producers in adopting more sustainable farming systems without jeopardizing their government program payments.

ref #:325 Organization

Humate Resources Inc.
6600 France Ave. S.
Suite 275
Edina MN 55435

Telephone: (612)920-8199
FAX: (612)920-2362
Contact people: Richard E. Allen, Don deLeon, Andy deLeon
Preferred method of contact: I prefer to be contacted via telephone at above number during working hours CST.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: soil management, nutrient management, organic production
Primary crop and livestock enterprises: agronomic crops, vegetables, fruit crops
Description of Sustainable Agriculture work: We spread data about our product, "humate," to all parts of the world farming and ecology communities. Our company, HRI, mines and markets dry and liquefied humate products to customers worldwide. We have a five-person advisory board — all college professors and known internationally — to assist our customers and prospects in the growing of crops according to their soil conditions and crops. Humate is natural organic humus with a high humic acid content which has a wealth of data to support its beneficial use.
Information resources available: brochures, pamphlets, books, periodicals, meetings, video

ref #:326 Organization

Indep. Organic Inspectors Assn.
Rt 3 Box 162-C
Winona MN 55987

Telephone: (507)454-8310
Contact people: Jim Riddle, Joyce Ford
Preferred method of contact: above address or phone 8 a.m.-9 p.m.
Sust. Agric. Roles: information provider, communications
Major Areas of Sust. Agric. Expertise: information transfer/education, organic certification
Description of Sustainable Agriculture work: The Independent Organic Inspectors Assn. was formed by inspectors with the mission "to maintain an assn. of trained, qualified and independent inspectors and to promote consistency in the inspection process." IOI Assn. provides members with a quarterly newsletter, an annual membership directory, an annual meeting, communications network between inspectors and certification organizations, and an active voice in national and international organic policy making.
Information resources available: brochures, pamphlets, newsletter, inspector directory, internships, public speakers, train inspectors

ref #:327 Organization

Land Stewardship Project
14758 Ostlund Trail North
Marine MN 55047

Telephone: (612)433-2770
FAX: (612)433-2704
Electronic address: HandsNet address: hn1048
Contact people: Ron Kroese, George Boody
Preferred method of contact: We may be contacted by phone, mail or electronic means from 8 a.m.-4:30 p.m. M-F CST.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: community organizing, leadership development, information transfer/ education, farm management
Primary crop and livestock enterprises: forage crops, legume forages, nonlegume forages, cover crops, agronomic crops, dairy cattle, sheep, hogs, chicken, beef cattle
Description of Sustainable Agriculture work: Land Stewardship Project is a non-profit organization dedicated to promoting sustainable agriculture practices and policies. Our organization: 1) organizes and empowers rural citizens to address land stewardship and land tenure issues in their own communities, 2) creates more opportunities for stewardship-minded farmers to farm and own land, 3) builds support for land stewardship ethics in society at large, 4) promotes development of sound public and corporate policies that advance widespread adoption of sustainable agriculture, 5) works in coalition with other organizations, does participatory on-farm research and sponsors field days and workshops.
Information resources available: We have a resource catalog and a quarterly newsletter. We publish results, booklets and videos resulting from on-farm participatory research. The "Sustainable Options Guide" and several other books are available. Field days on a wide variety of topics are held, announced in a calendar available by mail. Two fee-based workshops are available: "Farming for Profit, Land and Family" (developed in cooperation with Center for Holistic Resource Mgmt.) and "Controlled Grazing."

ref #:328 Organization

Minnesota Dept. of Agriculture
90 W. Plato Blvd.
St. Paul MN 55107

Telephone: (612)296-7673
FAX: (612)297-7678
Contact people: Doug Gunnink, Mary J. Hanks, Charlene Chan, Wayne Monsen, Linda Bougie
Preferred method of contact: Contact me during

working hours by phone or fax.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, soil management, agronomic crop production
Primary crop and livestock enterprises: feedgrains, forage crops
Description of Sustainable Agriculture work: I'm an organic livestock/crop farmer who is evaluating the economics of low-input forage based systems. As the on-farm research coordinator for sustainable agriculture, I have worked with composting, grazing, minimum-till/low-impact crop production, and livestock systems. As a former teacher, I also speak to farm groups about moving further on the continuum of sustainability.
Information resources available: We have "The Greenbook," which is the result of some 30-40 on-farm demonstration projects. "The Sustainable Farming Guide Book" also provides information to farmers about how to effectively make the transition.

ref #:329 Organization

Northwest Area Foundation
332 Minnesota St., #E1201
St. Paul MN 55101-1373

Telephone: (612)225-3874
FAX: (612)225-3881
Contact people: Karl N. Stauber, Foundation office, (612)224-9635
Sust. Agric. Roles: funder of policy research
Major Areas of Sust. Agric. Expertise: public policy, policy research, information transfer/education
Description of Sustainable Agriculture work: I oversee a $3.5 million grants program that is, on a multi-state basis, comparing the economic, social, and environmental consequences of both conventional and sustainable agriculture. Concerning the debate on the nation's agricultural systems, the Northwest Area Foundation has initiated a major research effort to gather and disseminate critical information about the social, economic, and environmental implications of conventional and sustainable agricultural systems for farms, farm families, and rural communities. It also is gathering information on the potential of sustainable agriculture to stabilize and revitalize rural America. The three-year program comprises 13 research projects conducted cooperatively by land-grant universities and sustainable agriculture groups in the north central and northwest states of the Foundation's region.
Information resources available: The Foundation has issued an interim report on its research efforts entitled "Which Row to Hoe?" Copies are available free of charge upon request. In the future, the Foundation will be issuing additional printed, and possibly video and audio, reports.

ref #:330 Organization

Sust. Farming Assn. of Minn.
RR 2 Box 78
Lake City MN 55041

Telephone: (612)345-2557
Contact people: Ralph Lentz; Tammy Wellstone, SFA. P.O. Box 53, Lewiston, MN 55932, (507)523-3366
Preferred method of contact: Contact us by mail, or by phone anytime that's reasonable, CST.
Sust. Agric. Roles: information provider, farmer-to-farmer support
Major Areas of Sust. Agric. Expertise: livestock production, pasture management, farm management
Primary crop and livestock enterprises: intensive pasture rotation, forage crops, feedgrains, small grains, legume cover crops, dairy cattle, beef cattle
Description of Sustainable Agriculture work: We are a state organization of farmers with a mission to promote the use of environmentally and economically sound agricultural practices, and to ensure a healthy future for family farms and all the people of Minnesota. Our goal is to develop a support group for family farmers, and to acquire knowledge and understanding of economically and environmentally sound practices of production farming. We strive to promote farming as a positive way of life, to support farming methods, and not to endorse any commercial products.
Information resources available: brochures, pamphlets, field days, meetings, workshops

ref #:331 Organization

Sustane Corporation
1103 Main Street West
PO Box 19
Cannon Falls MN 55007

Telephone: (507)263-3000
FAX: (507)263-3029
Contact people: Craig Holden; Dr. Warren Springer, VP Res.; Mr. Tom Hunter, VP Marketing; Mr. Tim Killeen, VP Mar. Dev.
Preferred method of contact: We prefer to be contacted by telephone during working hours CST.
Sust. Agric. Roles: organic fertilizer manufacturer, researcher
Major Areas of Sust. Agric. Expertise: soil management, horticultural crop production-vegetables, horticultural crop production-fruits
Primary crop and livestock enterprises: ornamentals, feedgrains, small grains, vegetables, greenhouse or nursery
Description of Sustainable Agriculture work: We manufacture the highest quality/highest performance organic compost fertilizers in North America. Research, development and markets include agricultural, horticultural and turf-grass crops in North America. We are a strong ag-related background company. Our primary research focuses on nutritional, biological, and biochemical effects of Sustane fertilizers on the environment (i.e., crop yields, qualities, disease management, herbicidal properties, interaction with pesticides and hydrocarbon contaminated soils). We also conduct in-depth, ongoing research on compost system analysis.
Land Description: Our research site is located on 400 acres in southeastern Minnesota.
Information resources available: We have 15 years of field research on the effect of composted turkey manure on many crops and soil types throughout North America.

ref #:332 Organization

The Minnesota Project
1885 University Ave. W
Suite 315
St. Paul MN 55104

Telephone: (612)645-6159
Contact people: John Lamb; Loni Kemp, SE office
Preferred method of contact: I prefer to be contacted via telephone or mail. Phone (612)645-6159 Central Time Zone during working hours, or leave a message.
Sust. Agric. Roles: information provider, conservation policy advocacy
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: We provide information and encouragement to farmers seeking a transitional path to sustainable agriculture via focus groups, workshops and mailings. We network with other supporters and public policy advocates for sustainable agriculture.
Information resources available: We have 4 publ. for sale: 1. "Protecting Groundwater through Sust. Ag," 2. "Alt. to Roadside Spraying: A Citizen's Guide," 3. "Farming & Clean Water: A Community Action Guide," 4. "Stewardship on Rented Farmland: How Renters & Landowners Can Write A Lease to Ensure Good Farming Practices" — brochure. We organize and conduct meetings and workshops for introducing farmers and community leaders to sust. ag and to learn about their sust. ag needs.

REF.
332

MISSOURI

REF. 333-336

ref #:333 Individual

John M. Brown
University of Missouri
1-40 Agriculture Building
Columbia MO 65211

Telephone: (314)882-9627
FAX: (314)882-1469
Sust. Agric. Roles: Extension worker, teacher
Major Areas of Sust. Agric. Expertise: information transfer/education, pest management, organic production
Primary crop and livestock enterprises: greenhouse or nursery, cut flowers, ornamentals, vegetables, herbs
Description of Sustainable Agriculture work: I am a researcher and educator involved in organic production specializing in biological control of insects and diseases. My primary work is Extension State Specialist in floriculture and greenhouse crop production. I specialize in IPM technologies to minimize the use of synthetic chemical pesticides. I also advise the Missouri Organic Association (co-founder) in all aspects of organic production. Video slide production, factsheet preparation, and public speaking are among my other duties.
Land Description: I conduct greenhouse production of ornamentals and vegetables.
Information resources available: factsheets, monographs, newsletter, field days, public speakers, video

ref #:334 Individual

Richard R. Catlett
PO Box 30019
Columbia MO 65205

Telephone: (314)446-2507
Preferred method of contact: I prefer to be contacted by mail, or by telephone between 6 a.m. and 9:30 p.m. CST. I prefer that an appointment be made for a personal meeting.
Sust. Agric. Roles: full-time farmer/rancher, promotion of the unified approach
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, instrumentation
Primary crop and livestock enterprises: vegetables, greens (including salads), herbs, mushrooms, celery
Description of Sustainable Agriculture work: I am a market gardener for the production of quality, nontoxic food with an experimental interest in instrumentation to monitor and control production and to promote efficiency in production and in marketing for the small producer. I am interested in building and improving soil with emphasis on improving aeration and water penetration, especially through use of the Yeomans chisel plow along with appropriate cover crops. Compost and non-toxic biological materials are used. I find monitoring conditions throughout the season very important. The refractometer is a primary indispensible instrument. Properly bedding most vegetables is excellent practice. Three keys to success are high-value crops, efficient harvesting and dependable marketing.
Land Description: This farm is just being reclaimed from a long period of not being farmed. It is overgrown with vegetative, brushy growth. It includes sandy loam bottom and thin hilly soils. It has bottomland and second growth timber.

ref #:335 Individual

Stephen E. Clubine
Missouri Dept of Conservation
PO Box 250
Clinton MO 64735

Telephone: (816)885-6981
Preferred method of contact: I prefer to be contacted by telephone during working hours of 8:30 a.m. to 5 p.m. CST. Calls received when I am out will not be returned due to employer restrictions on returning calls.
Sust. Agric. Roles: information provider, Extension worker
Major Areas of Sust. Agric. Expertise: native forage production, wildlife habitat management, prescribed fire management
Primary crop and livestock enterprises: forage crops, nonlegume forages, beef cattle, dairy cattle, wildlife
Description of Sustainable Agriculture work: I provide training to SCS, SWCD, Extension and wildlife resource agency personnel in native grassland establishment and management. As a grassland biologist, I keep current on grassland management, planting, grazing and burning, and haying. I train other resource personnel who work with landowners in managing their grasslands. I handle some direct inquiries from landowners with questions on grassland management, species and variety selection for planting and impact on native wildlife.
Information resources available: We have guide sheets on establishing and managing native warm-season grasses. Our leaflets describe native warm-season grasses and prairie forbs.

ref #:336 Individual

Ann & Bill Dugan
Ann & Bill's Beef
RR 1 Box 133
West Plains MO 65775

Telephone: (417)256-7427
Contact people: Jackie Stilgenbauer
Preferred method of contact: I prefer to be contacted by telephone during working hours (9 a.m. to 9 p.m.) CST. I may also be reached by mail.
Sust. Agric. Roles: organic beef, environmental awareness, nutr. ed.

Major Areas of Sust. Agric. Expertise: livestock production, organic production, marketing
Primary crop and livestock enterprises: just beginning: beef cattle, chickens, sheep
Description of Sustainable Agriculture work: We are a USDA approved producer of organic beef for wholesale and retail sales markets. As organic beef producers, we are involved in ongoing research and information gathering concerning: soil & water quality; animal husbandry practices, i.e. herbal, homeopathic, organic; and marketing possibilities. We currently sell our beef to individuals and local health food stores. All beef is USDA inspected, and our farm is certified organic.
Land Description: Our farm is 180 acres consisting of wooded areas, bogs, 14 ponds and rangeland.
Information resources available: We have brochures and pamphlets available describing our business. In the future we will have additional information concerning cooking methods, etc., available.

ref #:337 Individual

Terry Durham
19010 Mackie Lane
Hartsburg MO 65039

Telephone: (314)657-4156
Preferred method of contact: Telephone me when the sun is not up.

Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, marketing
Primary crop and livestock enterprises: vegetables, cucurbits, solanaceous vegetables, tuber vegetables
Description of Sustainable Agriculture work: I am a market-gardener who follows a diversified marketing program (farmers markets, CSA and wholesale). I am also the president of Missouri Organic Association. In my second year of CSA operation, I sell family, couple and individual shares to 30-plus members. Farmers markets and wholesale make up the balance of marketing outlets for crops grown on 9 certified acres. Summer and winter squash, pumpkins and peppers, are principal crops. On-farm research is in progress on squash bug control using management techniques, i.e. planting trap crops. I also interplant crops to utilize space and reduce pest problems.
Land Description: Hills along Missouri River and small bottoms off main floodplain of Missouri River.
Information resources available: I have available a squash bug factsheet and a report on *T. pennepis* (parasite wasp).

ref #:338 Individual

Jim Gerrish
RR 3 Box 298B
Brookfield MO 64628

Telephone: (816)258-2360

Sust. Agric. Roles: part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: livestock production, information transfer/education, soil management
Primary crop and livestock enterprises: forage crops, legume forages, nonlegume forages, beef cattle, sheep, goats-meat
Description of Sustainable Agriculture work: My role in sustainable agriculture is as a livestock producer and pasture researcher, utilizing and investigating intensive rotational grazing systems for soil-vegetation, community-livestock management. As an individual, I operate a beef, cattle and sheep operation designed around efficient resource utilization with minimal external inputs. We do direct marketing of locker lambs. We do a limited amount of small fruit and vegetable production. For educational purposes, we host farm tours and do off-farm consulting.
Land Description: Our land is gently rolling and highly erodible. It has prairie derived soil in northern Missouri. The soil is moderately well drained to poorly drained.
Information resources available: We host farm tours for groups of 10-40 persons.

REF.
337-
340

ref #:339 Individual

Robert D. Hall
University of Missouri
Dept. of Entomology
1-87 Agriculture Bldg.
Columbia MO 65211

Telephone: (314)882-8254
FAX: (314)882-1469
Electronic address: ENTMHALL@MIZZOW1

Preferred method of contact: Contact me by phone from 8 a.m. to 7 p.m. CST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: insects, livestock production
Primary crop and livestock enterprises: beef cattle, dairy cattle, chickens, sheep, hogs
Description of Sustainable Agriculture work: I am involved with entomology research and Extension in pest management as related to livestock and livestock production systems. I conduct research/Extension on pest management with a balance between chemical control and biological or mechanical schemes. The research emphasizes natural enemies and nonchemical trapping technology.

ref #:340 Individual

Lynn Heinze
Ehlert and Associates
PO Box 4143
St. Joseph MO 64505-0143

Telephone: (816)253-9512
Contact people: Larry Ehlert Enterprises
Preferred method of contact: I prefer telephone (816)727-3115.

Sust. Agric. Roles: part-time farmer/rancher, researcher
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: To increase the earthworm population in soil with the use of Speux Zyme. I sell Shur-Gro Natural Fertilizer from

Canton Mills, Minnesota City, Minn. I also am a dealer for Vita-Ferm livestock minerals. And I am a dealer for Speux Zyme Enzyme for soil improvement.
Land Description: It is with cattle, soil-earthworms, beekeeping.
Information resources available: brochures, pamphlets, film

REF. 341-344

ref #:341 Individual

Roy C. Hengerson
Sierra Club
2201 Weathered Rock Road
Jefferson City MO 65101

Telephone: (314)635-8066
Sust. Agric. Roles: environmentalist, information provider
Major Areas of Sust. Agric. Expertise: water management, soil conservation, information transfer/education
Description of Sustainable Agriculture work: I am an active citizen involved in a wide range of conservation and environmental issues, including sustainable agriculture. As conservation chairman of the Ozark Chapter of the Sierra Club (state of Missouri) and also active at the regional and national levels of the Club, agricultural issues, and specifically sustainable agriculture, are often discussed at our meetings and are on our priority list of issues to work on. We have participated in the last several rounds of the federal farm bill, working to make conservation and sustainable agriculture provisions part of this legislation.
Information resources available: We have available factsheets, a newsletter, periodicals and a catalog. We hold meetings, provide public speakers, and present slide shows and video workshops.

ref #:342 Individual

John Ikerd
University of Missouri
200 Mumford Hall
Columbia MO 65211

Telephone: (314)882-4635
FAX: (314)882-3958
Electronic address: AGECJIK@UMCVMB.MISSOURI.EDU
Preferred method of contact: I would prefer to be contacted by telephone during working hours of 8 a.m. to 5 p.m. CST Monday to Friday, and will respond to mail or fax inquiries as quickly as possible.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agricultural economics, farm management, marketing
Description of Sustainable Agriculture work: I am an Extension economist and coordinator of the sustainable agriculture research and Extension program at a land-grant university. My primary programs of research and education are related to on-farm, participatory research with cover crops, intensive managed grazing, ridge tillage and niche markets, and Extension programs linking sustainable agriculture and community development. Other programs are related to public policy education.
Information resources available: We have field days for on-farm research and demonstration projects, a bimonthly newsletter, periodic conferences which result in proceedings and papers, and a list of completed speakers on social science related subjects.

ref #:343 Individual

Neal W. Kinsey
Kinsey's Agri. Services
Rt 2 Box 116
Charleston MO 63834

Telephone: (314)683-3880
FAX: (314)683-6227
Preferred method of contact: I prefer to be contacted by telephone between 8 a.m. to 5 p.m. CST, weekdays only.
Sust. Agric. Roles: soil fertility management, information provider
Major Areas of Sust. Agric. Expertise: nutrient management, agronomic crop production, horticultural crop production-vegetables
Primary crop and livestock enterprises: agronomic crops, vegetables, fruit crops, forage crops, ornamentals
Description of Sustainable Agriculture work: I am a soil fertility specialist working solely on problems in crop and plant production, primarily through soil fertilization methods. I use soil and plant analyses as a basis to determine which soil amendments and fertilizers will do the best job, including secondary and micronutrients. I work with all types of fertility programs including large and small organic and natural farms, both certified and in transition in the U.S., Canada, Mexico and some in Europe. The crops include corn, wheat, alfalfa, vegetables, herbs, vineyards, fruits and landscape plants. I sell my services to those who are trying to improve their production through proper application of nutrients, in particular specializing in production on problem farms, fields or cropping areas.
Information resources available: We have a brochure available telling how to take and send soil samples for analysis, evaluation and recommendations. A 250-page book entitled "Hands on Agronomy" is to be published this fall.

ref #:344 Individual

Kelly T. Klober
Small Acreage Management News
Rt 1 Box 146
Silex MO 63377

Telephone: (314)485-7261
Preferred method of contact: Contact me by mail or phone.
Sust. Agric. Roles: information provider, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: livestock production, farm management, marketing
Primary crop and livestock enterprises: fruit crops, small fruits, vegetables, cucurbits, hogs, chickens, beef cattle, rabbits, poultry
Description of Sustainable Agriculture work: I am a farmer and writer with a lifetime of experience on small farms and hands-on experience with all major livestock

species. We operate on a 2.86-acre landbase producing purebred and F1 swine breeding stock, feeder pigs, rabbits and chickens. I have been a writer in this field since the early '70s. In small-acreage management, we outline new enterprises for a diversified smallholding and emphasize marketing skills and methods.
Land Description: Our farm consists of 2.86 rolling acres divided into drylots with sod strips below them to control runoff.
Information resources available: We have a four-times-a-year newsletter.

ref #:345 Individual

Mark G. Marino
Pole Hollow Gardens/C&M Prod.
Rt 1 Box 182
Stover MO 65078

Telephone: (314)377-4633
Preferred method of contact: Contact me by telephone.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, organic production, soil management
Primary crop and livestock enterprises: cut flowers, vegetables, cole crops, cucurbits, greens (including salads)
Description of Sustainable Agriculture work: I am a market-gardener who has been in the trenches for 14 years. The school of hard knocks has few graduates but many students.
Land Description: My farm is bottomland in an "Ozark holler."
Information resources available: I share my experiences in the field.

ref #:346 Individual

Donald D. Osburn
University of Missouri
200 Mumford Hall
Columbia MO 65211

Telephone: (314)882-9956
FAX: (314)882-3958
Preferred method of contact: Contact me by phone during working hours CST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: farm management, agricultural economics, soil management
Primary crop and livestock enterprises: feedgrains, agroforestry, legume forages, nonlegume forages, cover crops, beef cattle
Description of Sustainable Agriculture work: I direct the Ross Jones Sustainable Agriculture Farm. The interactions between cropping and livestock are studied from a systems perspective. A number of sustainable agricultural practices have been implemented. Worthy of note are rotational strip cropping, intensive grazing (uses multi species of warm- and cool-season grasses in combination with legumes), ridge-till planting, and agroforestry enterprises. Also, selected alternative crops are being explored. The performance of these various system components are being assessed from a systems perspective.
Land Description: The 345-acre research/demonstration farm has claypan soils and is located in northeast Missouri. Approximately ⅓ of the land-base is continuously row-cropped, ⅓ is cropped with rotations and ⅓ is devoted to forage production.
Information resources available: We have information on the expected costs and benefits of planned grazing systems. Also, we have compiled information on costs of alternative tillage systems.

REF. 345-348

ref #:347 Individual

Alma J. Owen
Lincoln University
900 Moreau Drive
Jefferson City MO 65101

Telephone: (314)681-5532
FAX: (314)681-5546
Preferred method of contact: I prefer to be contacted by mail or fax. I will accept phone calls if I am available.
Sust. Agric. Roles: small business, family support/impact, urb. linkage
Major Areas of Sust. Agric. Expertise: marketing, small business, family linkage; urban linkage-consumption
Description of Sustainable Agriculture work: I am a home economist working with small farmers on marketing and with urban poor on consumption of eco-conscious food supplies. As a researcher, I work extensively on family members' economic productivity for consumption and sale. This includes the impact of small businesses and entrepreneurship on family life (and the reverse). As an Extension specialist, I was head of the Small Farm Family Program for Lincoln University for five years, managing paraprofessionals who work directly with farmers.

ref #:348 Individual

Donald Pfost
University of Missouri
205 Agri. Engineering Bldg.
Columbia MO 65211

Telephone: (314)882-2731
FAX: (314)882-1115
Electronic address: BITNET AGEN0591@UMCVMB
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: tillage, soil conservation, water management
Primary crop and livestock enterprises: feedgrains, oilseeds, agronomic crops
Description of Sustainable Agriculture work: I am an agricultural engineer interested in soil conservation. I sponsor field trials (research), comparing effects of ridge-tillage and no-till on crops (corn, soybeans and grain sorghum) and soil compaction compound to reduced tillage.
Land Description: I conduct my work at various University of Missouri Research Farms.
Information resources available: factsheets, monographs

ref #:349 Individual

David A. Schafer
Schafer Edinburg Farms Inc.
Rt 5 Box 33
Trenton MO 64683

Telephone: (816)359-6545
Preferred method of contact: Above number in the evenings.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: livestock production, farm management, water management
Primary crop and livestock enterprises: forage crops, forestry, mushrooms, beef cattle, sheep, goats-meat, beekeeping
Description of Sustainable Agriculture work: Schafer Farm produces purebred livestock and freezer meats primarily on forage-based systems. Nature is the model at Schafer Farm. Pasture systems are designed to simulate natural grazing patterns. Genetic selection for our purchased stock is based upon reproduction, so those well-adapted individuals are the foundation breeding stock. Concentrates are rarely, if ever, fed, except to performance-tested bulls. Natural lamb and naturally lean ground beef are direct marketed. The farm has been chemical-free since 1987.
Land Description: Rolling hill land of an even mix of open and woodland; 15" maximum prairie soil; 30" average rainfall. We have 66 subdivisions and water sites spread throughout the farm. Species diversity and Savannah-like appearance and landscape goals.
Information resources available: We speak on our farm operation to interested groups. We also have a brochure featuring farm-raised meats. For those interested in breeding stock, complete, computerized records can be mailed out.

ref #:350 Individual

Tory Shade
Missouri Cooperative Extension
Univ. Ext., Courthouse Bsmt.
PO Box 218
Greenville MO 63944

Telephone: (314)224-3221
Preferred method of contact: I prefer to be contacted by mail, unless time is urgent. Otherwise, leave a message at the office from 8:30 a.m. to noon or 1 to 4 p.m. CST. I'm frequently out of the office.
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: information transfer/education, farm management
Description of Sustainable Agriculture work: I am a regional Extension farm management specialist who tries to encourage local farmers to consider their full range of farming alternatives and to assist them in access of information related to sustainable agriculture. I do my best to promote sustainable agriculture locally. In addition, I serve on a variety of committees that explore policy, research needs and information delivery.
Information resources available: I have a variety of books, articles and other references available. Local folks are welcome to come and read whatever they are interested in or I'll copy information and mail it to them, if appropriate. I also refer people to other sources of information. For Missouri folks, I'd be glad to facilitate contacts with others interested in sustainable agriculture.

ref #:351 Individual

William W.M. Steiner
Stonehaven Organic Farm
19050 Mackie Lane
Hartsburg MO 65039

Telephone: (314)657-2194
Preferred method of contact: I prefer to be contacted after 9 p.m. at above number CST.
Sust. Agric. Roles: part-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: livestock production, insects
Primary crop and livestock enterprises: small grains, legume forages, beef cattle, chickens, turkey, draft horses
Description of Sustainable Agriculture work: I am an insect geneticist for the USDA working with biological control agents, and own and operate my own organic farm as well. At the USDA-ARS "Biological Control of Insects Research Laboratory," I apply genetics to enhance effectiveness and efficiency of parasitoid wasps and ladybird beetles attacking pest insects. On my organic farm, "Stonehaven Farm," I use genetic knowledge to raise and breed Belgian draft horses, and also raise poultry and produce eggs for direct marketing.
Land Description: Stonehaven Farm consists of 160 contiguous acres overlooking the Missouri River at the edge of the Ozark uplift. It is ½ wooded, with 40 years of final succession hardwood forest. It has a limestone underlay, lies on a south-facing slope, and has three farmable ridges with wooded ravines between. Three catchment ponds and two cisterns provide water. Large stands of wild persimmon, walnut, hickory and pecan could provide harvestable natural crops. Orchards are being considered as an intercrop on the ridgetops.
Information resources available: brochures, pamphlets, newsletter, local newspaper ads

ref #:352 Organization

Greater Kansas City Greens
Org. Connection Working Group
7121 Park Rd.
Kansas City MO 64129

Telephone: (816)924-3003
Contact people: Ben Kjelshus, Eric Ziegenhorn; Greater Kansas City Greens, PO Box 30353, Kansas City MO 64129
Sust. Agric. Roles: organic food advocacy, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production & marketing advocacy
Description of Sustainable Agriculture work: The Organic Connection Working Group of the Greater Kansas City Greens promotes organic food production

and marketing, and the linking of organic food producers and consumers.
Information resources available: workshops

ref #:353 Organization

Green Hills Farm Project
Rt 5 Box 32
Trenton MO 64683

Telephone: (816)359-6545
Contact people: David A. Schafer; Dennis McDonald, Rt 1, Galt MO 64641, (816)673-6508
Preferred method of contact: I prefer to be contacted via telephone at above number during evening hours CST.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: livestock production, farm management, water management
Primary crop and livestock enterprises: forage crops, beef cattle, sheep, chickens, goats-meat, hogs
Description of Sustainable Agriculture work: The Green Hills Farm Project is a group of producers investigating livestock production on forage-based management systems. Member farms serve as demonstration farms for the Univ. of Missouri's Forage Systems Research Center's grazing schools, conducted three times per year. We demonstrate controlled grazing techniques — an intensive type of forage management which reduces costs by replacing purchased feeds with pasture feed and extending the grazing season. We also host regular seminars featuring producers, researchers and/or writers in this field, and have periodic meetings and farm walks on area farms to which we are invited.
Land Description: Rolling hills of alternating woodlands and open lands with 2-15" of topsoil over clay and limestone. Pasture lands are subdivided with fence to simulate natural pressures of concentration and migration.
Information resources available: We have video cassettes which we can mail to interested parties.

ref #:354 Organization

Missouri Organic Association
19010 Mackie Lane
Hartsburg MO 65039

Telephone: (314)657-4156
Contact people: Terry Durham
Preferred method of contact: I prefer to be contacted by phone CST mornings or evenings, or by mail.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, marketing
Description of Sustainable Agriculture work: MOA supports members through education programs, from general information to crop specific insect and disease specific matters, and is geared toward a combination of "expert" and "novice" learning through individual farmers sharing their personal research with each other. Soil development, and botanical and biological controls are primary methods used. We provide consumer and marketing education. Some research work by our members from which materials are available for distribution include: Terry Durham, squash bug management, developing beneficial parasite wasp; John Brown, the Luring soil — slide presentation, biological controls — slide presentation; Paula and Tom Speraneo, hydroponic vegetables w/tilapia culture; and Leslie Kerns, edible beans and grazing w/kiln dust application.
Information resources available: Information resources are being expanded regularly. We have slides and video with or without speakers, factsheets on organic growing and marketing methods. An updated list is available on request.

ref #:355 Organization

University of Missouri
Missouri Alternatives Center
628 Clark Hall
Columbia MO 65211

Telephone: (314)882-1905
FAX: (314)882-1906
Preferred method of contact: Missouri residents only may contact the Center at 1-800-433-3704; others at the number above from 8 a.m.- 5 p.m. weekdays.
Sust. Agric. Roles: information provider, Extension worker
Major Areas of Sust. Agric. Expertise: information transfer/education, marketing, horticultural crop production-vegetables
Primary crop and livestock enterprises: agroforestry, Christmas trees, fruit crops, small fruits, vegetables, beekeeping, chickens, fisheries, game birds, rabbits
Description of Sustainable Agriculture work: MAC provides information to Missouri residents on alternative and sustainable agriculture.
Information resources available: We have information on over 500 farming alternatives.

ref #:356 Organization

University of Missouri
Forage Systems Research Center
RR 1 Box 80
Linneus MO 64653

Telephone: (816)895-5121
FAX: (816)895-5122
Contact people: Jim Gerrish, Fred Martz
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: livestock production, soil management, agricultural economics
Primary crop and livestock enterprises: legume forages, nonlegume forages, legume cover crops, nonlegume cover crops, beef cattle
Description of Sustainable Agriculture work: We are involved with research & education in practical and sust. forage-livestock mgmt. systems. We conduct research designed to understand & explain the interaction of soil, plant & animals in managed grassland ecosystems. Econ. evaluation of alt. mgmt. strategies is a high priority of our research. Producer oriented wkshops & tours are held regularly at the ctr. Printed & video info. formats
Land Description: Our farm is gently rolling, highly erodible soils. The soils are silt loam to silty clay loams.

The land has 2.5% to 4.5% organic matter.
Information resources available: We have printed reports and videos available which cover a wide range of pasture, hay and livestock management topics. Our primary focus area is currently intensive rotational grazing systems for beef cattle.

REF. 357

ref #:357 Organization

University of Missouri
1-30 Ag Bldg.
School of Natural Resources
Columbia MO 65211

Telephone: (314)882-3647
FAX: (314)882-1977
Contact people: Gene Garrett
Preferred method of contact: By phone or fax during work hours.

Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: permaculture, soil conservation, agronomic crop production
Primary crop and livestock enterprises: agroforestry, feedgrains, agronomic crops
Description of Sustainable Agriculture work: I am a forester researching agroforestry. I conduct agroforesty reseach emphasizing alley cropping. Tree species in ongoing research include black walnut, pecan, chestnut, green ash, silver maple and oak. Both the biology and economics have been and are being researched. Recent emphasis in the program has shifted to evaluating the benefits of agroforestry in controlling erosion and improving water quality.
Land Description: Our research area consists of typical Missouri upland sites.
Information resources available: We have reprints of research papers on the subject of agroforestry.

MISSISSIPPI

ref #:358 Individual

Normie W. Buehring
Miss. Ag & Forestry Exp. Station
PO Box 456
Verona MS 38879

Telephone: (601)566-2201
FAX: (601)566-2257
Preferred method of contact: I prefer to be contacted by telephone during working hours CST, or by mail.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, weeds
Primary crop and livestock enterprises: agronomic crops, oilseeds, cover crops
Description of Sustainable Agriculture work: My primary role is to conduct agronomic production systems research that will enhance sustainable agriculture. As a researcher, my primary research involves the use of cover crops in conservation tillage systems which not only reduce erosion but also involve the use of the cover crop in fertilizer nutrient recycling with agronomic crops of cotton, corn and soybeans.
Information resources available: We have reprints of research publications on selected conservation tillage methods for selected agronomic crops which we can mail to interested parties.

ref #359 Individual

Seth M. Dabney
USDA-ARS Nat'l. Sedimentation Lab
PO Box 1157
Oxford MS 38655

Telephone: (601)232-2975
FAX: (601)232-2915
Preferred method of contact: I prefer to be contacted by telephone during working hours CST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: soil conservation, agronomic crop production, weeds
Primary crop and livestock enterprises: agronomic crops, Stiff-grass hedges, cover crops
Description of Sustainable Agriculture work: I am an agronomist working at the USDA's National Sedimentation Laboratory. I research economically feasible conservation production systems. Emphasis is placed on control of soil erosion and reduction of run-off through no-tillage techniques, cover crops management and contour vegetative barriers. My research focuses on no-till planting, cover crop management and contour stiff-grass barriers to reduce run-off and sediment yield from cotton, corn, soybean, sorghum and wheat fields. I seek to identify cultural practices which sustain high productivity while minimizing soil erosion, production costs and pesticide usage. Annual field days at our research farm near Senatobia, Miss., are free and special tours can be arranged. Results are reported in research papers and in an annual report.
Land Description: Our primary research area is located on silty upland soils derived from loess ("brown loam"). Slopes are mostly 2% to 7%. Soil depths are 2 to 3 feet over a fragipan.
Information resources available: A list of publications from NSL is available from our librarian. Reprints of scientific papers are available upon request. Reports are prepared each year. Recent reports describe conservation crop production, ground and surface water quality, and streambank stabilization and ecology.

ref #:360 Individual

Thomas F. Dana
277 Hurricane Creek Rd.
Lumberton MS 39455

Telephone: (601)796-4406
Preferred method of contact: I may be contacted by mail or by telephone one hour after dark at the above.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, organic production
Primary crop and livestock enterprises: vegetables, cover crops, fruit crops
Description of Sustainable Agriculture work: We operate an organic market garden and homestead without the use of any animal manure or byproducts of animal slaughter — including fish. We grow a wide range of vegetables year-round (most years), some trees and small fruits, as well as some field crops (wheat, corn, peanuts) for subsistance. We avoid the use of all animal products and use instead green manures, natural mined minerals, some seaweed products, and a humate-humic acids product. All crops are organically grown.
Land Description: Our farmland is gently to moderately sloping, easily erodible loamy sand to sandy loam. It is naturally acidic, with subsoil high in hydrous oxides of Fe and Al, and well drained. It is low in native fertility, and low in organic matter and CEC, but easily worked.

ref #:361 Individual

Richard R. Evans
Miss. Ag & Forestry Exp. Station
Prairie Research Unit
Box 60
Prairie MS 39756

Telephone: (601)369-4426
FAX: (601)369-9547
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: livestock production, information transfer/education
Primary crop and livestock enterprises: small grains, legume forages, nonlegume forages, beef cattle

REF. 362-365

Description of Sustainable Agriculture work: I am a researcher using cattle to harvest forage crops, both native and improved species, to provide income from erodible soil types. This research can be utilized by both full- and part-time producers.
Land Description: The research unit is a 2,400-acre rolling, black land prairie with sparse windbreaks. It has heavy wet clay soil in winter and wet weather. Large cracks form in the earth in summer. There are few creeks or lakes. Forages are bermudagrass and johnsongrass (warm season) and fescue and ryegrass (cool season).
Information resources available: We have bulletins on forages, field crops (small plot), and beef cattle production.

ref #:362 Individual

Carl H. Hovermale
Miss. Ag & Forestry Exp. Station
So. Miss. Branch
PO Box 193
Poplarville MS 39470

Telephone: (601)795-4525
Preferred method of contact: Telephone me from 7 a.m. to 4 p.m. CST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, tillage, soil conservation
Primary crop and livestock enterprises: feedgrains, cover crops, forage crops, fiber crops, agroforestry
Description of Sustainable Agriculture work: I am investigating methods to reduce tillage and inorganic N use. I am trying to foster economical herbicide use. As a researcher my main focus is planting various crops in tilled and no-tilled legume and nonlegume cover crops using various N rates. Primary crops are canola, kenaf, tropical corn, forages and soybeans.
Land Description: My research site is on sandy, low-fertility soil with low pH and CEC. The land is rolling and erodible hills. We have a long growing season with high average temperatures.
Information resources available: bulletins

ref #:363 Individual

Harold R. Hurst
Delta Research & Ext. Center
PO Box 197
Stoneville MS 38776

Telephone: (601)686-9311
FAX: (601)686-7336
Preferred method of contact: Contact me by mail, fax or telephone from 8 a.m. to 5 p.m. CST, Monday through Friday.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: pest management, weeds, agronomic crop production
Primary crop and livestock enterprises: fiber crops, feedgrains, oilseeds, small grains
Description of Sustainable Agriculture work: I am a researcher investigating the effect of input practices on weed ecology and crop yield. I am working with corn, cotton, soybeans and wheat, and rotations of these crops.
Land Description: My research site is on the alluvial floodplain of the Mississippi River.
Information resources available: I can mail printed results in bulletin form.

ref #:364 Individual

Andrew A. Miller
RR 4 Box 81B
Macon MS 39341

Telephone: (601)728-5708
Preferred method of contact: I prefer to be contacted by telephone from noon to 2 p.m. EST.
Sust. Agric. Roles: farm advocacy and support
Major Areas of Sust. Agric. Expertise: tillage, weeds, insects
Primary crop and livestock enterprises: greenhouse or nursery, vegetables, forestry, legume forages, cover crops, beef cattle, chickens, fisheries, goats-meat, hogs
Description of Sustainable Agriculture work: I am a rural truck-patch, vegetable grower. I grow all vegetables organically without commercial fertilizers or poison sprays. My primary crops are okra and peas. I have one acre of organic cucumbers in my personal garden. I use cover crops and non-chemical fertilizer.
Information resources available: Community Advisor

ref #:365 Individual

Henry N. Pitre
Mississippi State University
PO Drawer NP
Mississippi State MS 39762

Telephone: (601)325-2085
FAX: (601)325-8837
Preferred method of contact: Contact me at the above number, Monday through Friday from 8 a.m. to 5 p.m., and at 601-323-5477 Saturday and Sunday, CST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: pest management, insects
Primary crop and livestock enterprises: oilseeds, small grains, fiber crops, legume forages, vegetables
Description of Sustainable Agriculture work: I am an entomologist developing practical and implementable pest management strategies for sustainable field crop production. My pest management research includes incorporation of cultural, biological and chemical approaches to maximize pest control with minimum harmful effects to man and environment. Principal crops involved in my program are soybean, cotton, corn and sorghum. The integration of pest management tactics to provide effective pest control, using cost-effective methods, is emphasized in the development of sustainable crop production systems. Crop- and pest-management strategies can be employed in high- and low-technology production.

ref #:366 Individual

Robert Houston Wells
Wells Laboratories
Rt 2 Box 714
Wilmot Rd.
Greenville MS 38701

Telephone: (601)334-6800
FAX: (601)856-4986
Contact people: Edna Wells
Preferred method of contact: Working as an environmental consultant my hours vary, so I listed the number where you can find people to reach me.
Sust. Agric. Roles: information provider, gov't. policy development
Major Areas of Sust. Agric. Expertise: water management, soil management, pest management
Description of Sustainable Agriculture work: I am an environmental consultant who works in the field of water quality. I have worked on a diagnostic/feasibility study (clean water act) on three oxbow lakes in the Mississippi Delta. I am very aware of the problems with water pollution from agricultural run-off. I am active with the Soil Conservation Service to reduce topsoil loss by planting buffer zones and no-till practices.
Information resources available: Wells Laboratories associate and network with professionals in engineering, geology/hydrology, industrial hygiene/toxicology, chemistry and environmental groups.

ref #:367 Individual

Jim Whitfield
Rt 5 Box 218
Yazoo City MS 39194

Telephone: (601)746-6740
Preferred method of contact: I can be contacted by telephone at the number above.
Sust. Agric. Roles: full-time farmer/rancher, encourage other farmers
Major Areas of Sust. Agric. Expertise: farm management, agronomic crop, production, tillage
Primary crop and livestock enterprises: cotton, cover crops, feedgrains, oilseeds, forage crops, hogs, beef cattle
Description of Sustainable Agriculture work: I am a Christian farm manager seeking to be a better steward of Almighty God's creation. I manage a diversified farm in the Mississippi Delta. We grow cotton, corn, soybeans, milo, oats and wheat. We also raise hogs and winter-graze cattle. We rotate our crops. We also plant about 40% of our land each winter to cover crops, consisting of vetch and crimson clover. About 50% of our land gets 1 to 2 tons of compost each year.
Land Description: The land is flat and fairly fertile. All the land around us is very chemically intensively farmed.

ref #:368 Organization

Mississippi Assn. of Cooperatives
PO Box 22786
Jackson MS 39225-2786

Telephone: (602)354-2750
FAX: (601)354-2777
Contact people: Ben F. Burkett, Melbah M. Smith
Preferred method of contact: We prefer to be contacted via telephone at (601)354-2750 during working hours, Central Standard Time.
Sust. Agric. Roles: cooperative organ. & development, farm advocacy and support
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, farm management, marketing
Primary crop and livestock enterprises: vegetables, greens (including salads), beef cattle, hogs, dairy cattle, sheep, poultry
Description of Sustainable Agriculture work: We are a membership organization providing training and technical assistance in organic crop production Sustainable Agriculture and Alternative Enterprises. The Mississippi Association of Cooperatives currently provides training in Low-Input Sustainable Agriculture and Alternative Enterprises, designed and dedicated to working with small farmers to help them maintain their effectiveness and efficiency as farmers and to improve their financial status. Training is provided in a variety of crops and alternative enterprises such as watermelon, peas, cucumbers, squash, greens (turnips, mustards, kale, collards), corn, peppers, tomatoes, potatoes, lima beans, snap beans, carrots and okra. In addition, training is provided in mulching, composting, cover crops and crop rotations.
Information resources available: brochures, pamphlets, curricula, workshops, field days

ref #:369 Organization

Mississippi State University
Rt 2 Box 82
N. Miss. Br. Exp. Station
Holly Springs MS 38635

Telephone: (601)252-4321
FAX: (601)252-5680
Contact people: Joseph R. Johnson
Sust. Agric. Roles: researcher, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, weeds, tillage
Primary crop and livestock enterprises: fiber crops, feedgrains, legume cover crops, legume forages, small grains, dairy cattle
Description of Sustainable Agriculture work: The primary crops we work with are cotton and corn. We conduct research with no-tillage, minimum-tillage and conventional-tillage practices. We publish this information in annual research reports and bulletins, and at regional meetings.
Land Description: The North Mississippi Branch Station is located on rolling hill land in North Mississippi loess area. The soil is highly erosive and moderate in production. The primary research area consists of conservation tillage methods that have farmer acceptablility and are adaptable to farming operations.
Information resources available: brochures, pamphlets, bulletins, proceedings, field days, meetings

ref #:370 Organization

REF. 370-371

Miss. Ag & Forestry Exp. Station
N. Miss. Res. and Ext. Center
PO Box 456
Verona MS 38879

Telephone: (601)566-2201
FAX: (601)566-2257
Contact people: Normie W. Buehring, Dr. David Lang
Preferred method of contact: I prefer to be contacted via telephone during working hours CST, or mail.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, livestock production
Primary crop and livestock enterprises: agronomic crops, oilseeds, cover crops
Description of Sustainable Agriculture work: I am an agronomist conducting research related to crop rotations, conservation tillage, use of winter cover crops, and intercrop systems and their effects on crop growth, weed management, soil erosion and net returns. My research involves evaluating agronomic crops (cotton, corn, wheat, and soybeans) in rotation and conservation tillage systems, including winter legume cover crops, wheat, soybean and cotton intercropping systems and weed-management systems, including low herbicide rates and cultivation.
Land Description: The research site is located in the rolling hills of North Mississippi and consists of both upland silt loam soils and bottomland clays. Most studies relate to conservation tillage systems for agronomic crops commonly grown in north Mississippi (cotton, corn, wheat, soybeans).
Information resources available: We have available a video $10/each on relay planting soybeans (intercropping) between standing wheat rows two to three weeks before wheat harvest. We also have a master calendar of upcoming events (field days, etc.)

ref #:371 Organization

Miss. Ag & Forestry Exp. Station
Truck Crops Exp. Sta.
PO Box 231
Crystal Springs MS 39059

Telephone: (601)892-3731
FAX: (601)892-2056
Contact people: C. P. Hegwood Jr.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, information transfer/education
Primary crop and livestock enterprises: vegetables, fruit crops, ornamentals
Description of Sustainable Agriculture work: We are a horticultural research and Extension unit, which engages in many cooperative projects with several state and federal agencies. As a horticultural research and Extension unit we do applied research with fruits, vegetables and ornamentals including greenhouse vegetables. We are actively involved in soil erosion control measures and demonstrations, greenhouse leachate water purification with artificial wetlands aquaculture productions and farm refuse composting. We "demonstrate our wares" annually each fall with an Ag Fest and Fall Vegetable Field Day to more than 5,000 participants.
Land Description: On my research plot (1 acre), I grow vegetables and woody ornamentals on a providence sandy loam soil with irrigation. I have another plot (1 to 5 acres) in orchard and vineyard farming, no-till after planting. Vineyard and orchard floor management involve leaving permanent grass and/or legume middle pathways and clean chemical cultivation under trellis or trees.
Information resources available: Our most prominent and effective methods of technology transfer are field days and workshops.

MONTANA

ref #:372 Individual

Jim Barngrover
Barnstormer's
PO Box 1266
Helena MT 59624

Telephone: (406)442-3505
FAX: (406)442-9120
Preferred method of contact: Contact me by mail or phone.
Sust. Agric. Roles: supply &/or service provider
Major Areas of Sust. Agric. Expertise: marketing, soil management, farm management
Primary crop and livestock enterprises: small grains, cover crops, legume cover crops, oilseeds, cucurbits
Description of Sustainable Agriculture work: We serve as sales representatives for organically certified growers in the Northern Rockies, Great Plains and Midwest. We also provide consulting services for sound economic and ecological farming practices. We specialize in high protein hard red wheats, malting and pearling barley. Other crops we sell include oats, lentils, dry beans, soybeans, durum, buckwheat, corn, safflower, flax, canola and millet. Additionally, we locate growers who wish to grow contracted crops for organic processors. Barnstormer's is affiliated with a seed company which specializes in soil-building legume crops.
Information resources available: brochures, pamphlets

ref #:373 Individual

Allen C. Bjergo
Montana State University
Extension Service
1018 Burlington #200
Missoula MT 59806

Telephone: (406)728-7799
FAX: (406)728-7799
Preferred method of contact: Call before sending a fax so I can turn on the machine. I may be contacted by phone during business hours MST.
Sust. Agric. Roles: Extension worker, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: farm management, agricultural economics, information transfer/education
Primary crop and livestock enterprises: small grains, feedgrains, legume forages, cover crops, nonlegume forages, beef cattle, chickens, dairy cattle, hogs, sheep
Description of Sustainable Agriculture work: I am primarily an educator, trying to help people get the information they need to move toward sustainable agriculture and sustainable economic development. My work has been to facilitate the development of research-based information, as well as anecdotal and experimental information, in a way which allows people to learn and apply new ideas to their own situation. I have also carried out workshops, seminars and demonstrations for people in the United States, Vietnam, Bangladesh and former Soviet and eastern bloc areas.
Land Description: We have a 40-acre operation, mainly irrigated pastures and fields, and some ponderosa pine forest and cottonwood stands, with scotch pine and blue spruce plantings.
Information resources available: We distribute bulletins and consult verbally.

ref #:374 Individual

Mark Mackin
Pathfinder Management Service
4286 Hart Lane
Helena MT 59601

Telephone: (406)227-5237
FAX: (406)442-9120
Preferred method of contact: Telephone 6 a.m.-9 p.m. MST or by fax.
Sust. Agric. Roles: market consultant/broker, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, farm management, marketing
Primary crop and livestock enterprises: herbs, spices, greens (including salads)
Description of Sustainable Agriculture work: I operate a management services business providing administrative support to non-profit groups and marketing services to farmers in specialty crops and herbs. I provide information on a range of new crops that help farmers make more money, or to make a living on small acres. I also provide a brokerage service, helping famers to sell these crops to buyers.
Land Description: I am in my first year on new, 15-plus-acre site. Hillside loam of 2% to 4% grade. Sandy clay with high pH. Now in grass but am relocating perennial crops onto land from previous site.
Information resources available: I am available for meetings & conferences as a speaker or panelist on alternative crops that will work in the Northern Rocky Mountains and Northern Great Plains regions. I also can do workshops on crop choice, production & marketing.

ref #:375 Organization

Alt. Energy Res. Org. (AERO)
44 N. Last Chance Gulch
Helena MT 59601

Telephone: (406)443-7272
FAX: (406)442-9120
Contact people: Nancy Matheson; Al Kurki, Executive Director; Sherry Talseth, Office Mgr.
Preferred method of contact: We prefer to be contacted by mail, or by phone between 9 a.m. and 5 p.m. MST. Our fax can be accessed anytime.

Sust. Agric. Roles: information provider, networking
Major Areas of Sust. Agric. Expertise: cereal-legume cropping systems, information transfer/education, organic production
Primary crop and livestock enterprises: small grains, cover crops, legume forages, oilseeds, beef cattle, sheep, dairy cattle
REF. 376-377
Description of Sustainable Agriculture work: AERO is a private, non-profit membership organization that promotes sustainable agriculture through information, networking, education and research. Our expertise comes from the experience of innovative farmers and ranchers and research related to semi-arid small-grains fallow and cereal-legume cropping systems. We provide networking among experienced sustainable agriculture practitioners, scientists and other technical assistance providers. We sponsor research and education conducted by local groups of producers, or farm improvement clubs. This on-farm research and education is in the areas of cereal-legume cropping systems, range management (esp. noxious weed control and HRM), vegetable and berries production and marketing, organic production of vegetable and herb crops, conservation reserve program land enhancement, and forage production.
Land Description: Several farms and ranches across Montana are conducting experiments supported by AERO, relevant to much of the state's agriculture which is dryland small grains/fallow systems, livestock, range management, vegetables (irrigated) and other specialty horticultural crops. We have 16 sites in 1992 involving 130 farmers/ranchers. The typical land is high plains and mountain valleys, clay soil with a high pH. It is flat dryland.
Information resources available: We have books, conference proceedings, field days, case studies, two periodicals, on-farm research results, farmer networking, slide presentations & referrals to scientists & farmers/ranchers. Through these products & services we provide practical, technical & scientific info., creative inspiration, emotional support, & new ways to think about agriculture in this semi-arid, sparsely populated region of small grains & livestock production.

ref #:376 Organization

Biological Control of Weeds
1140 Cherry Dr.
Bozeman MT 59715

Telephone: (406)586-5111
FAX: (406)586-5111
Contact people: Noah Poritz, Leona Poritz
Preferred method of contact: Contact us by mail or phone.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: weeds, information transfer/education
Primary crop and livestock enterprises: feedgrains, small grains, beef cattle, sheep, wildlife
Description of Sustainable Agriculture work: BCW (Biological Control of Weeds) is the nation's largest supplier of beneficial insects and information for non-chemical weed control. We are the only personalized and authoritative source for information and insects for bio-control of weeds. BCW provides information and insects for the permanent control of a variety of rangeland and pasture weeds. Our nation's worst weeds, such as leafy spurge, Canada thistle, knapweed, etc., are best controlled through biological means. We assist farmers, ranchers, weed control districts, and state and federal agency managers in bio-control. Whether one desires information (visual, written, verbal), we can facilitate your education, awareness and application of using insects for weed control. We are the most authoritative source of information and insects for biological control of weeds.
Land Description: We lease and have cooperative agreements for a variety of sites on which we grow our insects for biological control purposes.
Information resources available: We provide catalogs, scientific reprints, and references on biological control of weeds. We market two educational slide sets. One is of stored grain pests and the beneficial insects which attack stored grain pests. The second is of exotic weeds and the beneficial insects which attack these weeds. Both slide sets are professionally done close-up photographs and include all life stages and the host damage.

ref #:377 Organization

Bozeman Bio-Tech
PO Box 3146
1612 Gold Avenue
Bozeman MT 59772

Telephone: (406)587-5891
FAX: (406)587-0223
Contact people: E. Wayne Vinje, Eric Edward Vinje
Preferred method of contact: Contact me by telephone, fax or mail.
Sust. Agric. Roles: supply &/or service provider, researcher
Major Areas of Sust. Agric. Expertise: pest management, insects, organic production
Primary crop and livestock enterprises: vegetables, small fruits, greenhouse or nursery, pome fruits, vine fruits
Description of Sustainable Agriculture work: I am producing and distributing least toxic methods, primarily biological, for insect pest control of the lawn and garden at the agricultural and wholesale level. Our insect control products span the range of IPM activities. That is, we supply products in all of the following insect control categories: cultural, mechanical, benefical insects, biological pesticides, soaps, oil and abrasives, and botanical insecticides.
Information resources available: We have: instructions on the proper use of least toxic control of various insect pests; instructions on the biological protection of given plants from their typical insect pests; and user experience with biolgical controls.

ref #:378 Organization

Timeless Seeds
Rt 3 Box 461
Conrad MT 59425

Telephone: (406)278-5770
Contact people: David Oien
Preferred method of contact: Contact me by phone between 8 a.m. and 6 p.m. MST.
Sust. Agric. Roles: supply &/or service provider, full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: nutrient management, organic production, agronomic crop production
Primary crop and livestock enterprises: legume cover crops, nonlegume cover crops, legume forages
Description of Sustainable Agriculture work: Our seed company produces, processes, researches and markets soil-building green manure and cash crops, particularly for dryland crop production. We specialize in medics and other plant species and management practices for low-rainfall cereal/legume production systems. Our research and marketing focus is on medic species — specifically black medic — and barrel, snail and burr medics. Our research includes on-farm variety screening, university-based research and field-scale trials. We process and sell a wide variety of legumes including medics, clover, lentils, peas, faba beans, fenugreek and others. Pamphlets and other information are available.
Land Description: Our research site is located on the dryland Northern Great Plains, with soils of pH 7.0-plus. Average rainfall is 13 to 15 inches.
Information resources available: We have brochures on green manuring and factsheets on selected varieties that are mailed on request.

REF. 378

NORTH CAROLINA

REF. 379-382

ref #:379 Individual

James R. Baker
N.C. Co-Op Extension Service
Entomology Box 7613
North Carolina State University
Raleigh NC 27695-7613

Telephone: (919)515-2703
FAX: (919)515-7746
Electronic address: jbaker@ent.ncsu.edu
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: insects, horticultural crop — ornamentals
Primary crop and livestock enterprises: greenhouse or nursery, cut flowers, ornamentals, ornamentals — landscape, herbs
Description of Sustainable Agriculture work: I am an Extension specialist supplying information on insecticide and miticide use for ornamental plant production. I supervise demonstrations on alternative and traditional pest management techniques including screening and biological controls.
Land Description: Six-acre research nursery for perennial ornamentals and a small research greenhouse.
Information resources available: We have Coop. Ext. publications for sale on insect and related pests of field crops, turf, shrubs, humans and animals. We have free coop. Ext. factsheet on ornamental plant pests.

ref #:380 Individual

Lee Barnes
Katuah Journal:
Env. Nwsltr. of So. Appalachians
PO Box 1303
Waynesville NC 28786

Telephone: (704)926-0925
Preferred method of contact: Contact me by mail, or by phone at work from 9 a.m. to 5 p.m., Monday through Friday EST. I can be reached by phone after hours at my home, (704)452-5716. I have an answering machine there.
Sust. Agric. Roles: information provider, bioreg. sust. ag. res. & extension
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, information transfer/education, soil biology
Primary crop and livestock enterprises: ornamentals, greenhouse or nursery, vegetables, cucurbits, Christmas trees
Description of Sustainable Agriculture work: I am a commercial propagator of vegetable and ornamental plants, especially rare/endangered native species. I also write a column, "Green Spirits," for Katuah Journal promoting bioregional sustainable agriculture, seed saving and regional production and marketing. I am involved in both commercial plant production and a grassroots bioregional group producing Katuah Journal, which is "The Bioregional Environmental Newsletter of the Southern Appalachians." My special interests include plant propagation; native/rare/endangered plant species; heirloom/open-pollinated plants and seed saving; mycorrhizae; plant information exchange; experience in plant tissue culture and propagation; plant nutrition; and wild plant seed propagation.
Land Description: We have greenhouses with outside nursery and small vegetable beds.
Information resources available: We have magazine reprints which include: Katuah Bioregional Planting Calendar; Saving Wild Seeds; Sustainable Agriculture and Regional Diet: Annotated Resources. This list is available for $2.50 postpaid from: Lee Barnes, PO Box 1303, Waynesville NC 28786, or send 5 or more annotated resources for a free copy.

ref #:381 Individual

Rick Brandenburg
North Carolina State Univ.
Box 7613
Raleigh NC 27695-7613

Telephone: (919)515-2703
FAX: (919)515-7746
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: extension worker, researcher
Major Areas of Sust. Agric. Expertise: insects
Primary crop and livestock enterprises: peanuts, forage crops, legume forages, nonlegume forages, small grains
Description of Sustainable Agriculture work: I am involved with application of new technology for alternative pest management strategies. I research integration of all pest control strategies. I also investigate agroecosystem manipulation and pesticide interactions.
Land Description: Our university research farms are strictly regulated in a not-for-profit scenario with maximum cropping flexibility.
Information resources available: We have numerous Extension publications dealing directly and indirectly with sustainable agriculture.

ref #:382 Individual

Wanda W. Collins
North Carolina State Univ.
Dept. Horticulture Science
Box 7609, NCSU
Raleigh NC 27695

Telephone: (919)515-3167
FAX: (919)515-7747
Preferred method of contact: Contact me by mail, phone or fax.
Sust. Agric. Roles: researcher, information provider

Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, diseases, nutrient management
Primary crop and livestock enterprises: root vegetables, tuber vegetables legume cover crops
Description of Sustainable Agriculture work: I am a horticultural crops plant breeder working with genetic efficiency of root crops to utilize nutrients from various sources, including organic sources. I work specifically with sweet potatoes and am interested in reducing inorganic N use, diseases, insects and weeds. Minimum tillage and the use of leguminous cover crops to supply N are the major focus. I am most interested in genetic variations to fit into these systems (new crop cultivars with greater efficiency).
Land Description: Our Coastal Plain research station has a variety of soil types, but mostly sandy loam and loamy sand with little organic matter.

ref #:383 Individual

Jeanine Marie Davis
North Carolina State Univ.
Mt Hort. Crops Res. & Ext. Center
2016 Fanning Bridge Rd
Fletcher NC 28732

Telephone: (704)684-3562
FAX: (704)684-8715

Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, organic production
Primary crop and livestock enterprises: vegetables, solanaceous vegetables, herbs, mushrooms
Description of Sustainable Agriculture work: I am a researcher and Extension specialist conducting research and Extension programs on organic and low-input commercial vegetable production systems. As an Ext. specialist, it is my responsibility to train county agents and provide them with the info. they need to teach growers about sust. production practices. I conduct on-farm tests to demonstrate sust. vegetable production systems, such as strip-tilled, staked tomatoes. Current research includes development of a cover crops and crop rotation vegetable system. This research is part of a three-state, cooperative project. I also work closely with organic producers to help promote and market organic vegetables.
Land Description: 250-acre research station located in western North Carolina.
Information resources available: I have some factsheets, brochures and slide sets on low-input vegetable production. I also conduct workshops and give talks on the subject.

ref #:384 Individual

Eddie Echandi
North Carolina State Univ.
Dept. Plant Pathology
Box 7616
Raleigh NC 27695-7616

Telephone: (919)515-6697
FAX: (919)515-7716

Preferred method of contact: Contact me by phone or fax.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: diseases, horticultural crop, production-fruits, soil biology
Primary crop and livestock enterprises: legume vegetables, solanaceous vegetables, tuber vegetables, tropical fruits, cucurbits
Description of Sustainable Agriculture work: I am a plant pathologist working on biological control of plant diseases, vegetables and others. As a plant pathologist, I work with potatoes, cucumbers, beans and tropical fruits. I publish my research in scientific journals, concerning plant disease, plant pathology, biological control, etc.
Information resources available: bulletins, curricula, periodicals

REF. 383-386

ref #:385 Individual

Stefan Hartmann
Rt 1 Box 241-A
Ivanhoe NC 28447

Telephone: (919)532-2437

Preferred method of contact: Contact via telephone or by mail to the address above.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, agronomic crop production
Primary crop and livestock enterprises: vegetables
Description of Sustainable Agriculture work: I am a vegetable farmer using "intensive" organic methods of production. The vegetables we grow are mainly: lettuce, broccoli, cucumbers, squash, tomatoes, peppers, eggplants, peas, beans and sweet corn. We use a system of rotations, cover crops, application of composted poultry litter and undersowings of legumes. We sell our certified organic produce at farmers markets, directly to restaurants and retailers, and through wholesalers.
Land Description: The cultivated fields are surrounded by pine/oak woodland and swamp/cypress wetlands. The soils are very sandy and susceptible to leaching. The proximity to river and wetlands provides a challenge for environmentally sound farming methods.
Information resources available: internships

ref #:386 Individual

Joe Hollis
3020 Whiteoak Creek Road
Burnsville NC 28714

Telephone: (704)675-5664

Preferred method of contact: Contact me by mail or telephone.
Sust. Agric. Roles: innovator, nurseryman
Major Areas of Sust. Agric. Expertise: permaculture
Primary crop and livestock enterprises: medicinal herbs, useful "weeds," herbs
Description of Sustainable Agriculture work: I am a

gardener engaged in developing and implementing the concept of paradise as an optimum human habitat and "paradise gardening" (ecosystem management) as the optimum human niche. I believe the transition from foraging to agriculture (and attendant changes in human "values") is the origin of our current dilemma. I seek a return to a direct (no money) relationship with my land. My method involves enriching the naturally occurring plant communities with additional "useful" species (food, medicine, craft, etc.) with the goal of providing all my needs with minimum "work." I share information and plants and seek to conspire with like-minded individuals to develop and promote the concept of "paradise gardening."

REF. 387-390

Land Description: I have a 3-acre cove at the foot of the highest mountains in the East. The plant communities represented are cove hardwoods, hemlock, whiteoak, and oak-hickory-heath. The plot is bottom land (1½ acres) which is mostly cleared and slopes to the southeast. The soil is rocky and humus-rich. The ridges are mostly wooded.

Information resources available: I have available a theoretical essay on paradise gardening and a brief list of plants available on demand. I have forthcoming a practical essay on paradise gardening, a newsletter by and for like-minded individuals, and a detailed plant list.

ref #:387 Individual

Greg D. Hoyt
Dept. of Soil Science, NCSU
Mtn. Hort Crops Res. & Ext. Center
2016 Fanning Bridge Rd.
Fletcher NC 28732

Telephone: (704)684-3562
FAX: (704)684-8715
Preferred method of contact: By mail at above address or afternoons at above office phone number.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, horticultural crop production-vegetables
Primary crop and livestock enterprises: cover crops, agronomic crops vegetables
Description of Sustainable Agriculture work: I am an agronomist/horticulturist researching nitrogen cycle in agroecosystems with emphasis on cover crops. I am currently researching no-pesticide, no-till techniques for vegetables, and the use of winter and summer cover crops in vegetable/agronomics production systems.
Land Description: Our research site is located on erosive mountain/piedmont soils.
Information resources available: I have information on cover crops and nitrogen cycling in agroecosystems.

ref #:388 Individual

Charles E. Main
North Carolina State Univ.
Department of Plant Pathology
Box 7616
Raleigh NC 27695-7616

Telephone: (919)515-2735
FAX: (919)515-7716
Preferred method of contact: Telephone me during working hours.
Sust. Agric. Roles: researcher
Major Areas of Sust. Agric. Expertise: diseases, pest management, agronomic crop production
Primary crop and livestock enterprises: tobacco, solanaceous vegetables, vegetables, tuber vegetables, agronomic crops
Description of Sustainable Agriculture work: I am a researcher and teacher. I conduct research on epidemiology and quantitative crop loss assessment related to IPM principles. I am involved with research on epidemiological and biometeorological research on plant disease epidemics including short and long distance inoculum movement (aerobiology); development of disease strategy models including diagnosis, prediction, forecasting, development of resistant varieties, pesticide control and economic models; and teaching related to all of above.
Information resources available: brochures, pamphlets, books, periodicals, conventions, field days, meetings

ref #:389 Individual

Thomas A. Melton
North Carolina State Univ.
Box 8604
Raleigh NC 27695-8604

Telephone: (919)515-2828
FAX: (919)515-7981
Electronic address: TMELTON@NCEXTC.NCSU.EDU
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: diseases, pest management, information transfer/education
Primary crop and livestock enterprises: tobacco, agronomic crops, greenhouse or nursery
Description of Sustainable Agriculture work: I am an Extension plant pathologist working with applied disease management systems in tobacco. As an Extension and research plant pathologist I conduct about 30 on-farm disease management tests including the use of rotation, resistance, biocontrol, cultural control and chemical control. I am responsible for making disease management recommendations to tobacco growers.

ref #390 Individual

John R. Meyer
North Carolina State Univ.
Dept. of Entomology
Campus Box 7626
Raleigh NC 27695-7626

Telephone: (919)515-3140
FAX: (919)515-7746
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: insects, horticultural crop, production-fruits, information transfer/education
Primary crop and livestock enterprises: stone fruits,

small fruits, vine fruits, nonlegume cover crops
Description of Sustainable Agriculture work: I am an entomologist who develops and tests integrated pest control strategies for commercial peaches, blueberries, grapes, strawberries and other small fruits grown in North Carolina. I have developed ground cover management strategies to reduce pest problems in peach orchards, studied the sharpnosed leafhopper and its relationship to the epidemiology of blueberry stunt disease, found natural host plant resistance to foliar pests of blueberries, worked on phenology and biological control of scale insects in peaches and blueberries, researched pheromone disruption of mating in clear-winged moths (family *Sesiidae*), and worked to develop chemical and non-chemical strategies to control spider mites on peaches and strawberries.
Land Description: Plots on university experiment stations. I grow peaches (three sites), grapes (two sites), and blueberries (one site).
Information resources available: I offer pest-control bulletins, Extension publications, a horticultural crops newsletter, and annual grower meetings or field days.

ref #:391 Individual

Mary M. Peet
North Carolina State Univ.
Box 7609
Dept. of Hort Science
Raleigh NC 27695-7609

Telephone: (919)515-5362
FAX: (919)515-7747
Electronic address: Internet Mary-Peet@NCSU.EDU

Preferred method of contact: Contact me by phone during working hours EST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, information transfer/education, organic production
Primary crop and livestock enterprises: solanaceous vegetables, cucurbits, cole crops, legume vegetables, vegetables
Description of Sustainable Agriculture work: I am a horticulturist compiling information on sustainable practices for vegetable production in the southeast U.S. I am producing a manual on sustainable practices for vegetable production in the southeast U.S. I am also interested in the interactions of plant stress and plant nitrogen status and populations of sucking insects. I am interested in how conventional and organic farmers differ in the level of damage from sucking insects and if any difference can be related to plant health.
Information resources available: I am producing a manual on sustainable practices for vegetable production in the southeastern U.S. The manual will contain information on conventional practices as well as on rotations, IPM practices, weed control, beneficial insects and cover crops. The manual will be released as a N.C. Research Bulletin. We are also making arrangements to release it as a computerized database for electronic information retrieval.

ref #:392 Individual

Kenneth A. Sorensen
North Carolina State Univ.
Cooperative Extension Service
Box 7626
Raleigh NC 27695

Telephone: (919)515-3140
FAX: (919)515-7746
Electronic address: internet ksorensen@ent ncsu ed.

Preferred method of contact: Contact me by telephone at above number, Monday through Friday, 8 a.m. to 5 p.m.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: insects, information, transfer/education, horticultural crop production-vegetables
Primary crop and livestock enterprises: cucurbits, solanaceous vegetables, tuber vegetables, greens (including salads), vegetables, beekeeping
Description of Sustainable Agriculture work: I am an entomologist looking at integrated pest management strategies and tactics for vegetable crop production. My primary responsibilities include developing an educational program on insects and their management on vegetables, small fruits, peaches and pecans; and advising commercial producers, home gardeners, and greenhouse vegetable growers. My IPM work is mostly on potato, sweet potato, pepper, collards, asparagus, cucumber, squash and sweet corn.
Land Description: We conduct on-farm tests on sandy loams with pH 5-7 and good drainage.
Information resources available: We have factsheets and leaflets for interested parties on vegetable insect management. We also have a vegetable insect manual, and inexpensive gardening publications. Our emphasis has been on developing posters describing diagnosis and management of pests on sweet potato, cucumber and pepper.

ref #:393 Individual

Michael G. Wagger
North Carolina State Univ.
Department of Soil Science
Raleigh NC 27695-7619

Telephone: (919)515-3285
FAX: (919)515-2167

Preferred method of contact: Use above contact information, weekdays 8 a.m.-5 p.m.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop, production, water management
Primary crop and livestock enterprises: agronomic crops, cover crops
Description of Sustainable Agriculture work: I am an agronomist researching the short- and long-term consequences of tillage practices and cropping systems on soil chemical, physical, and biological properties and their relationship to crop growth and development. As

REF.
394-
397

an agronomist involved in soil mgmt. research, a primary focus has been on factors affecting plant residue decomposition and the subsequent availability of nutrients in conservation tillage systems utilizing cover crops. Other research areas of interest are the evaluation of run-off potential and chemical transport in relation to tillage system and the use of cover crops to recover and recycle residual fertilizer N that might otherwise be lost through leaching.
Land Description: My research is conducted at various experiment stations which belong to the university and represent different physiogeographic regions in the state (Coastal Plain and Piedmont).
Information resources available: factsheets, monographs, article reprints

ref #:394 Individual

James F. Walgenbach
North Carolina State Univ.
Mtn. Hort. Crops Res. & Ext. Center
2016 Fanning Bridge Rd.
Fletcher NC 28732

Telephone: (704)684-3562
FAX: (704)684-8715
Preferred method of contact: I prefer to be contacted by telephone during work hours CST.
Sust. Agric. Roles: Ext. & res. on tom./apples IPM-insects, Ext. & res. on cabbage (insects)
Major Areas of Sust. Agric. Expertise: pest management, horticultural crop, production-vegetables, horticultural crop production-fruits
Primary crop and livestock enterprises: tomatoes, pome fruits, cole crops
Description of Sustainable Agriculture work: I am a university researcher/Extension specialist developing and implementing IPM programs on fruit and vegetable crops. I conduct research in the area of reduced insecticide use through IPM and development of alternative strategies for fresh market tomatoes and apples, as well as studying the biology of the cabbage maggot on cole crops. As an Extension entomologist, I also am involved in implementing and refining IPM programs on tomatoes and apples.
Land Description: Our research site is located on small- to medium-sized fields in the southern Appalachian Mountains. It has mountain and valley terrain, with abundant rainfall.
Information resources available: We have Extension and research publications.

ref #:395 Individual

Mary J. Wannamaker
North Carolina State Univ.
Box 7609
Dept. of Horticulture Science
Raleigh NC 27695-7609

Telephone: (919)515-3166
FAX: (919)515-7747
Preferred method of contact: I prefer to be contacted via telephone at above number or FAX, during working hours.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, organic production, pest management
Primary crop and livestock enterprises: solanaceous vegetables, tuber vegetables, cover crops
Description of Sustainable Agriculture work: I am a horticulturist researching organic production of potatoes and the influence of cover crops on potato pest populations. As a horticulturist, I have become increasingly interested in organic production of potatoes & developing varieties & determining adaptability of released varieties for organic production. I have several on-farm demonstrations & trials which assess various organic fertilization practices and biological pest control. Also two grants (1992-93) are currently under way: 1. "Integrated mgmt. of Colo. potato beetle using action thresholds, genetic, microbial and cultural controls," and 2. "Cover crops & tillage practices influence pest population & development in Irish potato." Both grants are in conjunction with other NCSU researchers.
Land Description: Mineral & mineral-organic soils ranging in organic matter of 1-5%. Flatland, mucky and good for potato production.
Information resources available: verbal

ref #:396 Individual

Deborah S. Wechsler
Rt 2 Box 429
Pittsboro NC 27312

Telephone: (919)542-3687
Preferred method of contact: I prefer to be contacted by phone between 8 a.m. and 9 p.m. EST.
Sust. Agric. Roles: information provider, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: information transfer/education, marketing, horticultural crop production-vegetables
Primary crop and livestock enterprises: fruit crops, solanaceous vegetables
Description of Sustainable Agriculture work: I am a writer on farming and gardening subjects, primarily within region 1 (Southern), and sustainable focus, usually for national-circulation magazines. I am a publication consultant for Carolina Farm Stewardship Association. I am a writer on agriculture and gardening with a Southern regional sustainable focus. I am also a part-time market gardener, raising organic cherry tomatoes. I helped start the Carolina Farm Stewardship Association and have been intimately involved with it for the last 12 years. Currently, I produce its newsletter and various marketing/networking/memberships directories.
Information resources available: I have the newsletter, directories, articles, etc. that I wrote, produced or compiled for various organizations, plus the contacts developed in the course of this work.

ref #:397 Organization

Agricultural Resources Center
115 West Main Street
Carrboro NC 27510

Telephone: (919)967-1886
FAX: (919)967-1886
Electronic address: HandsNet: HN1365
Contact people: Allen Spalt; Erick Umstead, Res. Dir., 615 Willard Pl., Raleigh NC 27603, (919)839-0159
Preferred method of contact: Contact either office mentioned above by mail, or by telephone during working hours EST.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: pest management, information transfer/education, policy
Description of Sustainable Agriculture work: ARC is a private, non-profit public interest organization specializing in education and advocacy on pesticides, alternatives, and sustainable agriculture. ARC is active in many aspects of sustainable agriculture policy, provides information on alternatives to pesticides, advocates for more funding and acceptance of sustainable practices, watchdogs pesticide and biotech policy, networks with other groups, and publishes occasional newsletters, factsheets, and policy statements.
Information resources available: brochures, pamphlets, newsletter

ref #:398 Organization

Carolina Farm Stewardship Assn.
115 W. Main
Carrboro NC 27510

Telephone: (919)968-1030
Electronic address: HN 1347
Contact people: Marjorie E. F. Bender
Preferred method of contact: Contact me by mail, or by phone between 9 a.m. and 5 p.m. EST, Monday through Friday.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production
Primary crop and livestock enterprises: vegetables, beef cattle
Description of Sustainable Agriculture work: The agency certifies organic producers. It also promotes low-chemical inputs and organic agriculture through an annual conference, on-farm demonstrations, newsletters and other publications, and regional groups. CFSA coordinates several on-farm research and demonstration projects spotlighting low-input or organic methods of production. Projects have included: microbial analysis of soils on a transitional-to-organic farm, the use of summer forage in an intensive grazing operation, intercropping green manures in vegetable crops, and organic peanut production. CFSA certifies organic, transitional, hormone- and antibiotic-free, and full disclosure farms. Membership is supported through regional groups, a bimonthly newsletter, a membership directory, a marketing directory and a low-input farmers network. An annual Sustainable Agriculture Conference provides a forum for continuing education and discussion of important topics.
Information resources available: We have a newsletter to provide information on current activities and topics which is distributed to membership. A "Farmer-to-Farmer Directory" lists methods local sustainable growers employ & contains a contact list. The Green Book lists organic, direct, alternative and specialty markets. Field days are scheduled periodically at demonstration sites and farms of local growers. The Annual Sustainable Ag Conference highlights various topics of interest in sustainable and organic agriculture.

REF.
398-
400

ref #:399 Organization

Good Earth Organics
Box 15
WNC Farmers Market
Asheville NC 28806

Telephone: (704)252-4414
FAX: (704)252-7169
Contact people: Jim Smith
Preferred method of contact: I can be contacted by fax, mail or phone (weekdays from 8:30 a.m. to 5:30 p.m., and Saturdays from 9 a.m. to 2 p.m. EST), or leave a message.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: organic production, marketing, information transfer/education
Primary crop and livestock enterprises: organic ginger, herbs, greenhouse or nursery, greens (including salads), vegetables
Description of Sustainable Agriculture work: Good Earth Organics provides three major services: products for organic gardening and farming; marketing information and service for certified growers and products; and consultation for gardeners and farmers making a transition to organic methods. We have: Products: Wholesale/retail minerals, organic blends, compost, books, tools, etc. Along with organically grown vegetables, edible plants and trees. Marketing: Organically grown ginger from Costa Rica, imported to U.S. Education/research into organic methods and diversity for other crops; marketing/research on compost products, other grains for market. Information/consultation services to aid in education; use of information. Transitions to biological systems, organic gardening, market gardening.
Information resources available: We have a brochure with catalog/prices, products. We have information on consultation, and we are available for office time, field time or a phone conference. Please call for an appointment.

ref #:400 Organization

North Carolina State Univ.
Plant Pathology Dept.
Box 7616
Raleigh NC 27695-7616

Telephone: (919)515-6687
FAX: (919)515-7716
Contact people: Charles W. Averre, Dr. Ron K. Jones
Sust. Agric. Roles: Extension worker, teacher
Major Areas of Sust. Agric. Expertise: diseases, horticultural crop production-vegetables, information transfer/education

Primary crop and livestock enterprises: root vegetables, legume vegetables, small fruits, tropical fruits, greens (including salads)
Description of Sustainable Agriculture work: I am an Extension plant pathologist interested in developing, refining and extending information on how to manage plant diseases in the context of sustainable agriculture (ecologically, economically sound). As an Extension plant pathologist on vegetable crops, I conduct research and demonstrations on how to manage disease caused by viruses, bacteria, nematodes and fungi involving asparagus, cucumbers, melons, squash, pumpkin, beans, watermelons, carrots, onions and greenhouse vegetables. I conduct training on diagnosing plant diseases.
Land Description: I work with commercial vegetable growers who mostly grow crops on sandy soil and some crops on clay and organic soils.
Information resources available: We have factsheets on how to recognize and manage disease on many vegetable crops.

ref #:401 Organization

North Carolina State Univ.
Box 7619
Department of Soil Science
Raleigh NC 27695-7619

Telephone: (919)515-2388
FAX: (919)515-2167
Contact people: Robert Mikkelsen
Preferred method of contact: Contact me by telephone or fax during working hours EST, or by mail.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: nutrient management, agronomic crop production, soil biology
Primary crop and livestock enterprises: agronomic crops, cover crops, vegetables
Description of Sustainable Agriculture work: I am a soil scientist studying the use of organic residues and wastes to meet the nutrient requirements of crops.
Land Description: Our research-oriented work is conducted on a state-owned experiment station and in cooperation with growers to conduct on-farm trials.

ref #:402 Organization

North Carolina State Univ.
Plant Pathology Dept.
Box 7616
Raleigh NC 27695-7616

Telephone: (919)515-3330
FAX: (919)515-7716
Contact people: Kenneth R. Barker
Preferred method of contact: I prefer to be contacted by telephone at above number during working hours EST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: soil biology, diseases, nematodes
Primary crop and livestock enterprises: fiber crops, forage crops, greenhouse or nursery, legume vegetables, solanaceous vegetables
Description of Sustainable Agriculture work: I am a plant pathologist-nematologist with research on ecology and management of plant-parasitic nematodes. I do research on nematode problems on numerous crops, including cotton, soybean, tobacco, peanuts, potatoes, tomatoes, turf and ornamentals. Am also involved in national and international research projects on nematode identification, population dynamics and management (including host resistance).
Land Description: research farms
Information resources available: Books on plant-parasitic nematodes

ref #:403 Organization

North Carolina State Univ.
Box 7616
Plant Pathology Dept.
Raleigh NC 27695

Telephone: (919)515-3257
FAX: (919)515-7716
Contact people: Jean Beagle Ristaino
Preferred method of contact: Contact us by voice mail, fax, or telephone EST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: diseases, horticultural crop production-vegetables, soil biology
Primary crop and livestock enterprises: vegetables, solanaceous vegetables, sweet potatoes, tomato, pepper
Description of Sustainable Agriculture work: I am a plant pathologist who studies biological control of root disease pathogens using antagonistic microorganisms and cultural practices. As a plant pathologist, I study root disease epidemics on vegetable crops. I conduct research that is both basic and applied and publish my findings in peer-review journals. My major area of emphasis is the manipulation of cultural practices to reduce disease. My specific area of emphasis includes soil solarization soil amendment with antagonistic fungi and irrigation to reduce disease.

NORTH DAKOTA

ref #:404 Individual

Patrick Carr
North Dakota State University
Dickinson Research Center
Box 1117
Dickinson ND 58602

Telephone: (701)227-2348
FAX: (701)227-2005
Preferred method of contact: I prefer to be contacted by mail, fax, or telephone during working hours MST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, weeds
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, beef cattle
Description of Sustainable Agriculture work: I am an agronomist researching effects of alternative crop production systems (including low-input and organic systems) and integrated crop/livestock systems on the productivity and economic viability, along with the environmental sensitivity of agricultural landscapes in the Northern Great Plains. As an agronomist at the Dickinson Research Center in southwestern North Dakota, I am investigating potential adaptability of several legume species into the cropping systems in the Northern Great Plains (NGP) as a means of reducing synthetic N inputs and reducing pest problems encountered in conventional crop rotations employed in the region. I am evaluating intercropping, perennial and underutilized plant species, and integrated crop/livestock systems for their viability in the NGP. I am evaluating alternatives to synthetic pesticides, particularly herbicides, for controlling pests.
Land Description: Our research site is arable land comprised of residual soils in southwest North Dakota. Approximately 450 acres are devoted to forage production (feed grain, hay and silage crops).
Information resources available: We have annual "Proceedings" (really, annual reports) and short brochures summarizing our agronomic research which can be mailed to interested parties. A summer field day is held in July, and several meetings are held during the winter. Speakers are available upon request.

ref #:405 Individual

John C. Gardner
North Dakota State University
Carrington Research Ext. Center
Box 219
Carrington ND 58421

Telephone: (701)652-2951
FAX: (701)652-2055
Preferred method of contact: Contact me by fax anytime, or by telephone from 8 a.m. to 5 p.m., Monday through Friday.
Sust. Agric. Roles: research in crop production, education
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil conservation, soil management
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, beef cattle
Description of Sustainable Agriculture work: I research crop ecosystems and new methods of integrating farmer/researcher expertise. I administer research and education programs from a research farm in central North Dakota, with emphasis on both dryland and irrigated crop production, beef production and forestry for farm and home.
Land Description: Our research farm consists of 1,200 acres in the glaciated region of the Northern Great Plains in central North Dakota.
Information resources available: Extension bulletins, research reports, meetings, tours, field days and proceedings are regularly available upon request.

ref #:406 Individual

Steve Guldan
Michael Fields Ag Inst.
Carrington Research Ext. Center
Box 219
Carrington ND 58421

Telephone: (701)652-2951
FAX: (701)652-2055
Preferred method of contact: mail, fax, telephone CST, business hours.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil conservation
Primary crop and livestock enterprises: legume cover crops, legume forages, non-oilseed legumes
Description of Sustainable Agriculture work: I am an agronomist investigating the incorporation of legumes in Central and Northern Great Plains cropping systems. I am doing research with farmers and on-station looking at alternative legumes and alternative legume management systems for incorporation into the cropping systems primarily of the Northern Great Plains and to a lesser degree, the Central Great Plains. One of the primary objectives is to use these legumes to at least partially substitute for black fallow.
Land Description: Cold winters, warm summers; precipitation 18 inches/year, 50% in May-July; frost-free period 110-125 days; average organic matter percent 3.6%, mostly loam, also clay loam soil texture classes; parent material - glacial till; 47 Degrees N latitude; located in East/Central North Dakota; Experiment Station of North Dakota State University.
Information resources available: Reports covering the research and other projects in which the institute is engaged.

ref #:407 Individual

James L. Helm
North Dakota Cooperative Extension
166A Loftsgard Hall
Fargo ND 58105

Telephone: (701)237-7574
FAX: (701)237-7973
Preferred method of contact: I prefer to be contacted by phone during working hours CST. Fax is OK and available 24 hours a day.
Sust. Agric. Roles: Exten. Agronomist-info. distributor
Major Areas of Sust. Agric. Expertise: agronomic crop production, pest management, organic production
Primary crop and livestock enterprises: agronomic crops, forage crops
Description of Sustainable Agriculture work: I am an agronomist working toward a more sustainable agriculture by distributing information about various agronomic practices. I visit with producers and help them adopt management strategies that will bring additional stability to their operation. My main area is agronomy, but the economic consequences of each agronomic decision must be evaluated both in the short term and for the long range. Sustainabilty is a goal achieved in different time frames for different people.
Land Description: I operate a dryland, cereal-grain farm.
Information resources available: We have production circulars, factsheets, etc. available on agronomic crops grown in our area.

ref #:408 Individual

David L. Klinkebeil
North Dakota State University
Carrington Res. Ext. Center
Box 219
Carrington ND 58421

Telephone: (701)652-2951
FAX: (701)652-2055
Preferred method of contact: I can be contacted by telephone, fax or mail.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: water management, agronomic crop production, soil management
Primary crop and livestock enterprises: small grains, feedgrains, cover crops, nonlegume forages
Description of Sustainable Agriculture work: I am an agronomist researching sustainable and conventional cropping systems and how these systems affect soil and water quality, crop production and economic stability. Other research activities include relay-intercropping, other forms of intercropping, and the use of cover crops for weed suppression and soil erosion control. My research consists of evaluating contamination of soil and water by nitrate and pesticides under dryland cropping systems which have been defined as conventional, integrated input and biological input. Various soil factors are also being evaluated to determine how these cropping systems influence sustainability. Other research consists of evaluating a spring wheat-grain legume relay intercropping system. The grain legumes that are being evaluated are soybean, lentil, lupine, chickpea, dry bean and favabean. Various crops are being evaluated using winter rye as a weed suppressant. Wheat, flax and corn-dry bean multicropping is also being evaluated.
Land Description: Our farmland as well as research site is relatively flat consisting of glacial-till soils and shallow aquifer systems. The land can support various crops, however small grains are the major crop produced. Some irrigation is practiced in the area although dryland production dominates the landscape. Wind erosion is a major problem and the land surface must be covered with crop residue or growing plants to minimize this effect.
Information resources available: We have proceedings on alternative crops and alternative crop production. We also have bulletins on cover crops for the Northern Great Plains.

ref #:409 Individual

Michael J. Weiss
North Dakota State University
Dept. of Entomology
Holtz Hall
Fargo ND 58105

Telephone: (701)237-7582
FAX: (701)237-8557
Preferred method of contact: Contact me by telephone during working hours CST.
Sust. Agric. Roles: teacher
Major Areas of Sust. Agric. Expertise: agronomic crop production, insects
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds, legume cover crops
Description of Sustainable Agriculture work: I am a resource entomologist investigating alternative crops and cropping system impacts on pest species. As a researcher, I am investigating management strategies for insects on lupines, canola, wheat, barley and corn. I am investigating, on a field scale, lupine resistance to blister beetles, flea beetle resistance on canola, and mixed plantings for wheat stem sawfly.
Land Description: We have dryland and irrigation research sites. Soil types range from clay to sandy loam.

ref #:410 Organization

Farm Verified Organic, Inc.
RR 1 Box 40A
Medina ND 58467

Telephone: (701)486-3578
FAX: (701)486-3580
Contact people: Annie Kirschenmann, Hugo Skoppek, Clara VanEaton
Preferred method of contact: Contact us by phone or fax from 9 a.m. to 5 p.m., Monday through Friday, CST.
Sust. Agric. Roles: certification of production, information provider
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, certification
Description of Sustainable Agriculture work: FVO provides certification services for organic foods production, with an emphasis on requiring sustainable farming practices. In addition, FVO sponsors grower education services with regard to organic and sustainable agricultural practices.
Information resources available: We distribute program brochures, periodic organic industry updates, and

newsletters to interested parties. We also conduct grower education symposiums and field days. We maintain a speakers bureau on a wide variety of topics related to organic and sustainable agriculture, as well as rural community.

ref #:411 Organization

North Dakota Farmers Union
Box 2136
Jamestown ND 58402

Telephone: (701)252-2340
FAX: (701)252-0404
Contact people: Karl Limuere, John Leininger
Preferred method of contact: We prefer to be contacted via phone at above number during working hours CST, or by mail at above address.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, assist w/organizing grower cooperatives
Description of Sustainable Agriculture work: Our organization will work with growers who are interested in organizing marketing cooperatives. We will also assist growers in organizing workshops and seminars to educate and promote sustainable agriculture.
Information resources available: We have sample articles and by-laws for individuals interested in working with others to establish grower and/or marketing cooperatives.

ref #:412 Organization

North Dakota State University
Carrington Res. Ext. Center
Box 219
Carrington ND 58421

Telephone: (701)652-2951
FAX: (701)652-2055
Contact people: Vern Anderson, Dr. John C. Gardner, Blaine Schatz, David L. Klinkebeil, Steve Zwinger
Preferred method of contact: The research center staff prefers phone, mail or fax at the above during working hours 8:00-5:00 CST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, water management
Primary crop and livestock enterprises: agronomic crops, forage crops, cover crops, small grains, oilseeds, beef cattle
Description of Sustainable Agriculture work: The research center staff investigates alternative crops, sustainable practices, crop-livestock integration and crop-soil water relationships. Alternative feeds and management systems are the focus of the beef cow/calf feedlot project including crop by-products, grain legumes and forages. The center publishes annual proceedings of all research. Cropping systems research has been conducted for six years. Intercropping, multicropping and relay cropping have been investigated for four years. Grain legumes and forage studies are related to livestock use (beef cattle). Drylot cow/calf production has been studied for 20 years with emphasis on crop residue utilization. Feedlot and beef cow studies emphasize probiotic use.
Land Description: Northern Plain dryland and irrigated drift prairie. Mixed row crop and feed grains on gently rolling Forman Base soils.
Information resources available: Factsheets from NDSU on a wide variety of crop and livestock subjects. Summer field tours and winter workshops and meetings held on a "theme" basis.

ref #:413 Organization

Northern Plains Sust. Ag Assn.
Box 36
Maida ND 58255

Telephone: (701)256-2424
FAX: (701)283-5197
Electronic address: HandsNet HN1560
Contact people: Susanne Retka Schill, Terry Jacobson
Preferred method of contact: I have a home office with an answering machine. Faxes are received elsewhere and must be clearly marked.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, pest management
Primary crop and livestock enterprises: small grains, oilseeds, legume cover crops, feedgrains, beef cattle, sheep, poultry
Description of Sustainable Agriculture work: We are a grassroots non-profit educational organization dedicated to networking among farmers and others to build the base of knowledge about sustainable agriculture. We are cooperating in research development and on-farm research. We also cooperate with others in developing sustainable farm policies. We are predominantly a farmer organization, but also have members in the organic industry. We most recently have plans for outreach to consumers. We sponsor an annual two-day winter conference and publish a quarterly newsletter. In 1991, we went from a wholly volunteer organization to having a paid executive secretary.
Information resources available: We have available a booklet on "switching to a sustainable system — strategies for converting from conventional/chemical to sustainable/organic farming systems" by Frederick Kirschenmann, $5 postpaid. We also have a booklet, "Crazy Musings from the North Outback" by Terry Jacobson, $6 postpaid. A farmer poet speaks on sustainable themes.

NEBRASKA

ref #:414 Individual

Jim Bender
8207 144th
Weeping Water NE 68463

Telephone: (402)267-2955
Preferred method of contact: I prefer to be contacted by telephone between 8 a.m. and 10 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher, writer
Major Areas of Sust. Agric. Expertise: soil management, pest management, organic production
Primary crop and livestock enterprises: feedgrains, legume cover crops, legume forages, beef cattle
Description of Sustainable Agriculture work: I am developing a conservation-oriented certified organic farm in a location at the western edge of the dryland corn belt.
Land Description: I farm 642 acres in four locations, at the very western edge of the dryland cornbelt. Soils are mostly silty clay loam, and mostly highly erodible.
Information resources available: books, video

ref #:415 Individual

James R. Brandle
University of Nebraska
Dept. of Forest., Fish., Wild.
101 Plant Industry
Lincoln NE 68583-0814

Telephone: (402)472-6626
FAX: (402)472-2964
Preferred method of contact: I prefer to be contacted by telephone during working hours CST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: shelterbelt ecologist, agronomic crop production, forester
Primary crop and livestock enterprises: agronomic crops, vegetables, agroforestry, forestry, forage crops
Description of Sustainable Agriculture work: I am a shelterbelt ecologist investigating the role of woody plants in sustainable agricultural landscapes with emphasis on field windbreaks on shelterbelts. As a shelterbelt ecologist, my primary research effort is in the area of windbreak influence on crop production. Our research area is one the few replicated shelterbelt study sites in the U.S. We have worked with corn, soybeans, wheat and milo, and are beginning studies in vegetable production. We have built economic models to evaluate field windbreaks and have used it at USDA-SCS technical training sessions. We are beginning studies on the role of woody vegetation as habitat for predators (birds & insects) of crop pests.
Land Description: We farm approximately 400 acres, most of which lies between windbreaks. The soils are clay loams with zero to 2% slopes. The field windbreaks are 25 years old and range in height from 10 to 20 meters, depending on species.

ref #:416 Individual

John W. Doran
University of Nebraska
USDA-ARS
116 Keim Hall, E.C.
Lincoln NE 68583-0915

Telephone: (402)472-1510
FAX: (402)472-7904
Electronic address: jdoran@unlinfo.unl.edu
Preferred method of contact: I prefer to be contacted via telephone during working hours CST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: nutrient management, soil biology, tillage
Primary crop and livestock enterprises: feedgrains, small grains, legume cover crops
Description of Sustainable Agriculture work: I am a soil scientist researching the effects of agricultural management on nutrient cycling and environmental quality. As a soil microbial ecologist, I conduct research on the effects of tillage, residue management and cropping systems on crop productivity; resource use efficiency; and the quality of soil, water and atmosphere environments. Results are published in scientific journals and in proceedings of scientific and Extension meetings.
Land Description: Our research sites are located on farms and university locations in eastern, central and western Nebraska. However, cooperative activities extend to Colorado, Kansas and Pennsylvania.

ref #:417 Individual

Richard Dye
Nebraska Sustainable Ag Society
Rosalie NE 68055

Telephone: (402)863-2248
Sust. Agric. Roles: grain miller
Major Areas of Sust. Agric. Expertise: grain selections, marketing
Description of Sustainable Agriculture work: I process value-added farm products (grains) into food. In grain milling, I produce quality products at a reasonable price.
Information resources available: brochures, pamphlets

ref #:418 Individual

Roger Elmore
University of Nebraska
SCREC
PO Box 66
Clay Center NE 68933

Telephone: (402)762-4433

FAX: (402)762-4422
Preferred method of contact: Contact via telephone during working hours, Central Time Zone.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production
Primary crop and livestock enterprises: oilseeds, feedgrains, small grains
Description of Sustainable Agriculture work: As an agronomist, I conduct research and Extension on crop production systems. My sustainable agriculture work includes soybeans, corn, sorghum, wheat, cropping systems, crop rotations, on-farm research, variety trials, genotype by environment interactions (including tillage, row spacing, irrigation and plant density), limited irrigation-dryland systems for corn, and soybean weed competition.
Land Description: Our research site is on irrigated, upland, silt loam soils with good uniformity and drainage.

ref #:419 Individual

Charles A. Francis
University of Nebraska
Agronomy Dept.
219 Keim Hall
Lincoln NE 68583-0910

Telephone: (402)472-1581
FAX: (402)472-7904
Preferred method of contact: I prefer to be contacted by telephone or fax during working hours.
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, information transfer/education, soil management
Primary crop and livestock enterprises: feedgrains, oilseeds, small grains, legume cover crops, nonlegume cover crops, crop/livestock integr., beef cattle
Description of Sustainable Agriculture work: I am director of the Center for Sustainable Agricultural Systems at the University of Nebraska, and active in education and research in cropping systems design, resource efficient systems, and agronomic practices. In general, I am involved in program design, research, information exchange and future visioning of sustainable agricultural systems, both regionally and globally. As a researcher in multi-species rotations and cropping systems, I work across Nebraska in the different eco-zones that vary in rainfall and season length. As an Extension specialist I advise on cropping systems design and cultural practices on corn, grain sorghum and soybeans, which are our principal crops in the state. We are highly involved in helping farmers shift from reliance on external inputs to more efficient use of internal, renewable resources. We also study different methods of information exchange, and have an active on-farm research/development component in the program.
Land Description: Our research sites are primarily non-irrigated lands in southeast Nebraska, both on-station and on-farm, with secondary sites in four other districts.
Information resources available: We have available proceedings of several sustainable agriculture workshops, farmer practices and on-farm research results, and slide sets and videos on sustainable agriculture.

ref #:420 Individual

Terry Gompert
Univ. of Nebraska Coop. Extension
Box 45
Center NE 68724

REF. 419-421

Telephone: (402)288-4224
Preferred method of contact: Contact me by telephone or working address.
Sust. Agric. Roles: Extension worker, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, soil management
Primary crop and livestock enterprises: agronomic crops, small grains, cover crops, legume cover crops, nonlegume cover crops, beef cattle, dairy cattle, hogs, wildlife
Description of Sustainable Agriculture work: I am an Extension agent, especially interested in livestock and forage production. I advise on forage and range production.
Information resources available: factsheets, monographs, newsletter, meetings, public speakers, workshops

ref #:421 Individual

Laurie Hodges
University of Nebraska
Horticulture Dept.
377 Plant Sciences — UNL
Lincoln NE 68583-0724

Telephone: (402)472-1639
FAX: (402)472-8650
Electronic address: HORT034@UNLVM.UNL.EDU
Preferred method of contact: I prefer to be contacted by telephone from 8:30 a.m. to 5:30 p.m. CST, or by mail.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, pest management, soil management
Primary crop and livestock enterprises: vegetables, cucurbits, cole crops, solanaceous vegetables, onions and related crops
Description of Sustainable Agriculture work: I am involved with research on the ecology and microclimate of shelterbelts and shelter on yield and quality of vegetables.
Land Description: I have 24 acres of replicated shelterbelts and exposed sites in eastern Nebraska (Mead, Neb.). I have mostly silty clay loam soil. The site will be drip irrigated in 1993. It is an integrated research farm with grain crops and cattle.
Information resources available: I have selected resource lists and limited factsheets on organic/sustainable practices.

ref #:422 Individual

James W. King
University of Nebraska
104 ACB
Lincoln NE 68583-0918

Telephone: (402)472-3022
FAX: (402)472-3093
Electronic address: agcm009@UNLVM or agcm009.UNLVM.UNL.EDU
Preferred method of contact: Contact me by e-mail or phone. I have a good answering machine.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am a communications person examining how people learn and teach, and use communications methods to help them teach. As a university-based communicator, I study how people learn and teach. I also look at communication systems and at methods and techniques to help people communicate better.
Information resources available: I speak on communication concerns. I have a large slide collection. I can do and participate in workshops.

ref #:423 Individual

Terry Klopfenstein
University of Nebraska
C220 Animal Sciences
Lincoln NE 68583-0908

Telephone: (402)472-6443
FAX: (402)472-6362
Preferred method of contact: I prefer to be contacted via telephone 7:30-5:30 weekdays CST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: livestock production, information transfer/education
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: I am an animal scientist researching beef production systems that emphasize forage use. We feel the maximum use of forages for beef production is beneficial to the economics of beef production and the environment.
Land Description: The University of Nebraska Agricultural Research and Development Center is a 9,000-acre research facility.
Information resources available: bulletins, periodicals, proceedings, field days, meetings, public speakers

ref #:424 Individual

Richard Mazour
Rt 1 Box 27
DeWeese NE 68934

Telephone: (402)262-2245
Preferred method of contact: I prefer to be contacted by mail, or by telephone during the noon hour CST.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, soil conservation
Primary crop and livestock enterprises: small grains, legume cover crops, legume forages, beef cattle
Description of Sustainable Agriculture work: I am an agriculture producer designing, testing and incorporating innovative ideas in an entire farming systems approach. I am a diversified farmer incorporating livestock (beef cattle) with cash grain in a system, complementing one another. The livestock are crossbred for hybrid vigor emphasizing health and comfort. The cash crops are wheat, grain sorghum and soybeans. Other crops are oats, alfalfa, sweet clover, turnips and sorghum sudangrass. The crops are grown on a rotation to complement each other and enhance soil and water conservation.
Land Description: My farm land is gently rolling pasture-cropland with silty clay-loam soil. I built a large dam for water retention from run-off on 1,500 acres. I use this water for irrigation on 75 acres.

ref #:425 Individual

Lenis A. Nelson
University of Nebraska
342 Keim Hall
Box 830915
Lincoln NE 68583-0915

Telephone: (402)472-1489
FAX: (402)472-7904
Electronic address: AGRO068@UNLVM
Preferred method of contact: I can be contacted by e-mail, telephone, fax or mail.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, information transfer/education
Primary crop and livestock enterprises: agronomic crops, feedgrains, small grains, oilseeds, specialty industrial crops
Description of Sustainable Agriculture work: I am an agronomist doing research and Extension work in variety testing and alternate crops. I coordinate variety testing throughout the state on corn, soybeans, wheat, grain sorghum and spring cereal. I coordinate tests with canola, crambe, mung bean, milkweed and other minor crops to identify areas of adaptation.
Information resources available: We print variety information annually on the many crops we test. We also publish guides on Nebraska crops, as needed.

ref #:426 Individual

Charles A. Shapiro
University of Nebraska
Northeast Research & Ext. Center
Box 111
Concord NE 68728

Telephone: (402)584-2261
FAX: (402)584-2596
Preferred method of contact: I prefer to be contacted

by telephone during working hours CST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: nutrient management, agronomic crop production
Primary crop and livestock enterprises: feedgrains, oilseeds, legume cover crops, small grains, legume forages
Description of Sustainable Agriculture work: I am a soils Extension specialist promoting resource-efficient fertility practices. I advocate the use of management analysis for insurance application of inputs and practices. I am leading a sustainable ag demonstration project that shows reduced herbicide use and the value of nutrient management. As an applied researcher, I work with on-farm demonstrations of proper fertilizers and manure use. We also promote soil testing on corn, soybeans, alfalfa and small grains.
Land Description: We have a 480-acre dryland research farm with approximately 24 inches of annual rainfall. We grow corn, alfalfa, soybeans and small grains. We also have a swine and cattle operation that provides some manure.
Information resources available: As part of the University of Nebraska Cooperative Extension, we have Extension circulars, Nebraska guides, and various newsletters.

ref #:427 Individual

Robert Warrick
Warrick Farms
RR 2 Box 11
Meadow Grove NE 68752

Telephone: (402)634-2361
Preferred method of contact: I prefer to be contacted by telephone or letter, before 7 a.m., at noon, or after 7 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: livestock production, soil conservation, agricultural economics
Primary crop and livestock enterprises: legume forages, feedgrains, small grains, legume cover crops, beef cattle, hogs, horses
Description of Sustainable Agriculture work: I am a livestock provider who raises most of his own feed. My livestock farm is a cow-calf, farrow-finish operation that recycles all livestock wastes. It has some irrigation for corn and alfalfa, and raises oats for grain and straw bedding. Most of the pasture is native prairie grasses.
Land Description: My farming is done on both upland and river valley. Much of the land is subirrigated with wet meadows for hay production and upland prairies for grazing.

ref #:428 Individual

Gary G. Young
Nebraska Sustainable Ag Society
RR 1 Box 27
McLean NE 68747

Telephone: (402)586-2998
Preferred method of contact: I prefer to be contacted by telephone. We have an answering machine. You may call evenings also.
Sust. Agric. Roles: full-time farmer/rancher, gov't. policy administration
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, soil management
Primary crop and livestock enterprises: feedgrains, nonlegume forages, legume cover crops, nonlegume cover crops, beef cattle, sheep, hogs, dairy cattle, poultry
Description of Sustainable Agriculture work: I aim to raise my crops and livestock with little or no chemical pesticides, fertilizers or antibiotics for a safer environment for myself, my children and grandchildren. I raise corn, grain sorghum and soybeans with ridge-till or reduced-tillage. I also grow oats as a nurse crop for alfalfa using alfalfa as my major nitrogen source. I also have a cow/calf herd to clean winter fields and pasture intensive grazing system, a ewe/lamb flock to clean the yard and roadside ditch, and hogs which I finish in open lots. I have experience with portable multi-use solar collectors and using this technology in grain drying.
Land Description: My soil is mostly silty clay loam, with rolling to flat terrain.
Information resources available: Information on my solar grain dryer can be obtained through the Small Farm Energy Project, PO Box 736, Hartington NE 68739. Specify "portable solar collector plans," and enclose $2.00 for each set.

ref #:429 Organization

Beginning Farmer Support Network
Center for Rural Affairs
PO Box 736
Hartington NE 68739

Telephone: (402)254-6893
Preferred method of contact: You may contact the Beginning Farmer Support Network via phone during working hours CST, or by letter.
Sust. Agric. Roles: farm advocacy and support
Major Areas of Sust. Agric. Expertise: farm management, information transfer/education, whole farm
Primary crop and livestock enterprises: dairy cattle, hogs
Description of Sustainable Agriculture work: The Beginning Farmer Support Network instructs novice farm families to practice holistic farm management and low-cost, sustainable farm methods. The Network consists of local groups of beginning farmers/farm families in eastern Nebraska. The Network is organized and staffed by the Center For Rural Affairs.
Information resources available: Farm energy, farm management and sustainable agriculture publications are available through the Network.

ref #:430 Organization

Center for Rural Affairs
PO Box 406
Walthill NE 68067

Telephone: (402)846-5428
FAX: (402)846-5420

Contact people: Elizabeth Bird, Chuck Hassebrook, Kris Thorp, Annette Higby, Allen Prosch
Preferred method of contact: Contact me by mail or telephone at the above working hours CST.
Sust. Agric. Roles: gov't. policy development, supply &/or service provider
Major Areas of Sust. Agric. Expertise: policy and ag economics, beginning farmer/farm transfer, global warming
Description of Sustainable Agriculture work: We are a family-farm and sustainable agriculture education and advocacy organization working on agricultural policy, beginning farmer opportunities and agricultural concentration. As an organization we also have other involvements beyond sustainable agriculture, e.g. rural development, state tax policy and rural education. Our agricultural policy work is aimed at re-orienting commodity, trade, credit, tax, conservation and research policies, primarily at the federal level, to support an environmentally sustainable agriculture and a family-farm system of agriculture composed of small to moderate-sized owner-operated farms. We also offer services in Nebraska and Iowa to help beginning farmers get started in farming, and are exploring non-farm business opportunities related to sustainable agriculture. At the state level, we helped institute limits on corporate farming, and we have worked on issues of concentration in the livestock and meatpacking industries. We have also developed expertise on global warming as it relates to Midwestern agriculture.
Information resources available: We have a wide variety of reports available, i.e., on research policy, livestock concentration, conservation policy, global warming, etc. We have a monthly newsletter, factsheets, action alerts & policy update. We are organizing a booklet on issues surrounding neighboring hog-confinement facilities. We conduct workshops as they relate to our project activities, i.e., currently on groundwater quality, and a series for beginning farmers.

ref #:431 Organization

Center for Sust. Ag Systems
University of Nebraska
221 Keim Hall
Lincoln NE 68583-0949

Telephone: (402)472-2056
FAX: (402)472-7904
Contact people: Charles A. Francis; Pamela Murray, Admin. Coord.
Preferred method of contact: The Center can be contacted during working hours by fax or phone.
Sust. Agric. Roles: information provider, administration of univ. programs
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, crop/livestock systems
Primary crop and livestock enterprises: agronomic crops, forage crops, cover crops, forestry, vegetables, beef cattle, hogs, dairy cattle
Description of Sustainable Agriculture work: Our Center for Sustainable Agricultural Systems coordinates programs in education and research that promote resource-use efficiency, environmental awareness and economically/socially viable agricultural production systems and rural communities. The Center involves faculty and farmers in research and education, including on-farm research, basic research and dissemination of results. Our Center for Sustainable Agricultural Systems works with other administrative units to identify funding resources and catalyze interdisciplinary research and education programs. To meet this goal, the Center sponsors workshops, in-service training sessions, conferences and specific research and educational activities. The work is statewide, through five district research and Extension centers. Focus is on integrated crop/livestock systems that achieve resource-use efficiency (especially renewable resources), short- and long-term profitability, environmental compatibility and equitable social viability in the rural sector.
Land Description: Research is conducted on eight experiment stations and numerous farms across Nebraska.
Information resources available: We sponsor workshops and symposia on sustainable system design, integrated crop and farm management, and planning for future systems — in particular as related to efficient resource use and sustainable crop/livestock systems. Information available includes proceedings, slide sets, videos and curricula in sustainable agricultural development and agroecology.

ref #:432 Organization

OCIA-NE Chapter
4914 Fort Kearney Road
Grand Island NE 68801

Telephone: (308)382-2707
Contact people: George J. Myers; Bryce Ritz, President, HC 68, Box 64A, Comstock NE 68828
Sust. Agric. Roles: crop impr., educ., certification, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, soil management, information transfer/education
Description of Sustainable Agriculture work: I have been a home tree-fruit researcher since 1966, with 25 varieties of apples, six varieties of pears, four varieties of peaches, four varieties of plums, and dwarfing CHXF rootstock (various dwarfing root on apples also). I use underground "leaky pipe" irrigation. I also have a micro-sprinkler overhead system for frost control and excess summer heat control. I use organic and biodynamic systems. I use various insect traps and various OCIA-acceptable organic spray materials. I have used pheromone traps, colored sticky traps and codling moth traps. I have close-planted with mostly Malling 26, EM and Mark rootstock, approximately 150 trees on a half acre. Freeze and frost control near and at blossom-time is a test each year. I now have the micro-sprinkler system to put out heat from the water. High wind is a problem unless an adequate windbreak is near, but it is still helpful to get heat to the buds. Some insects are a problem, especially codling moth and tarnished plant bug.
Information resources available: OCIA has information for potential members on crop improvement systems, certification standards, record-keeping and audit trail to the consumer.

NEW HAMPSHIRE

3,898 b PDF

REF. 433

ref #:433 Organization

Natural Organic Farmers Assn. — NH
150 Clinton St.
Concord NH 03301

Telephone: (603)648-2521
Contact people: Rick Estes
Preferred method of contact: Please contact via the mail; phone coverage is hit/miss — no answering machine available.
Sust. Agric. Roles: information provider, teacher
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education
Description of Sustainable Agriculture work: Natural Organic Farmers Association of New Hampshire is a non-profit, volunteer organization dedicated to educating growers and consumers of organic foods.
Information resources available: We have a lending library, newsletter and annual food directory for New Hampshire.

NEW JERSEY

ref #:434 Individual

Bruce Barbour
Rutgers Cooperative Extension
330 Route 206 S.
Newton NJ 07860

Telephone: (201)579-0985
FAX: (201)579-0996
Electronic address: Barbour@AESOP.RUTGERS.EDU
Sust. Agric. Roles: Extension worker, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, horticultural crop production-vegetables, horticultural crop production-fruits
Description of Sustainable Agriculture work: I operate the Rutgers Cooperative Extension Computer Bulletin Board (RCEBBS) which features information on organic and sustainable agriculture along with other Extension information.

ref #:435 Individual

Robin G. Brumfield
Rutgers University
Dept. Ag Econ. & Mkt.
PO Box 231, Cook College
New Brunswick NJ 08873

Telephone: (908)932-9171
FAX: (908)932-8887
Electronic address: Bitnet: BRUMFIELD@CANCER
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: farm management, agricultural economics, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, greenhouse or nursery
Description of Sustainable Agriculture work: I am a farm management Extension specialist doing economic analysis of conventional, low-input and sustainable vegetable systems. I am using data generated from three vegetable cropping systems at Rutgers Research Farms to develop budgets for the SMART system. Records keep track of inputs including labor, materials, mechanical equipment and fuel. These budgets are designed to aid farmers in implementing sustainable practices that are also economically viable.
Information resources available: We are working on budgets for conventional, low-input and sustainable systems to be used with the SMART system.

ref #:436 Individual

Joan Goldstein
Joan Goldstein Associates
B-15 Lakeview Terrace
Princeton NJ 08540

Telephone: (609)452-1796
FAX: (609)924-8204
Preferred method of contact: I prefer phone contact at above number working hours or evenings EST; also letters via U.S. mail, with fax note for: Dr. Joan Goldstein at (609)452-1796 tel.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: pest management, information transfer/education
Primary crop and livestock enterprises: fruit crops, vegetables
Description of Sustainable Agriculture work: I am a research social scientist and author of books and articles on environment and agriculture, investigating the social, economic and environmental issues surrounding the growth of organic farming in U.S., and the power of the consumer movement. As an author-researcher and consultant, I explore social, historical and legislative questions on agricultural practices, organic farming and the consumer movement. I share this info. through a recently published work: Demanding Clean Food and Waters: The Fight for a Basic Human Right (Plenum Publ. 1990) and The Roots of Organic Farming in NJ Sierran.
Information resources available: brochures, pamphlets, books, public speakers

ref #:437 Individual

Les & Debbie Guile
Walnut Grove Farm
RR 3 Box 145
Newton NJ 07860

Telephone: (201)863-8100
Contact people: Jennifer Morgan, 31 Titus Mill Road, Pennington, NJ
Preferred method of contact: I prefer to be contacted by phone from 8 a.m. to noon or after 6 p.m. at (201)383-5029.
Sust. Agric. Roles: part-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, marketing
Primary crop and livestock enterprises: vegetables, Christmas trees, cut flowers, onions and related herbs
Description of Sustainable Agriculture work: I am a market grower raising organically grown produce, herbs and Christmas trees from a self-service stand. I am currently opening up new acreage to experimental cover cropping, nutrient replacement and incursive weed control trials. I have been growing a market-garden organically on 2 acres of successive plantings of various vegetable families for 8-10 years. The soil health, tilth and friability have been improved using macrobiotic principles in feeding the soil and its organisms. I am self-certified.
Land Description: My farm is located in rural Sussex County, New Jersey, on 10 acres. One-third of it is woodland; two-thirds is a flat field of clay-loam soil. All of it is under cultivation, except my home and barn. I grow 3,000 to 4,000 pine spruce for Christmas tree sales. I

have a black walnut grove with a one-fourth acre pond. My fields are planted in vegetable crops and flowers for cutting. Tillage equipment includes rototillers, a 9N Ford tractor, a two-row cultivator, a planter and a plow.

ref #:438 Individual

Zane R. Helsel
New Jersey Exp. Sta./Rutgers
104 Martin Hall, Cook College
PO Box 231
New Brunswick NJ 08903

Telephone: (908)932-9308
FAX: (908)932-6769
Electronic address: Internet "HELSEL@DAEMON.RUTGERS.EDU"
Preferred method of contact: I prefer to be contacted by e-mail.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, tillage, information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, vegetables, fruit crops
Description of Sustainable Agriculture work: I am involved in sustainable agriculture administration of Extension and research at a land-grant institution (Rutgers University, N.J.). My academic and practical expertise is agronomic cropping systems, particularly involving soybeans, forages or cover crops. Other expertise is with tillage, soil conservation and machinery selection and management. My adminstrative duties include Extension and research programs, grants, farm research and demonstration, and communications (particularly computer).
Land Description: My research site is on well-drained, rolling upland which produces mixed crops (horticulture and agronomic).
Information resources available: We have various publications, meetings, field days, slides, videos, etc. on sustainable agriculture.

ref #:439 Individual

Al Johnson
Indep. Organic Inspectors Assn.
14 Princeton Rd.
Hopewell NJ 08525

Telephone: (609)466-8850
Preferred method of contact: I prefer to be contacted via telephone at above number during evening hours.
Sust. Agric. Roles: certification inspector, teacher
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, pasturing poultry
Primary crop and livestock enterprises: greens (including salads), solanaceous vegetables, vegetables, cover crops, small fruits, poultry, chickens, sheep, beekeeping
Description of Sustainable Agriculture work: I have farmed for 13 years using organic and sustainable practices, have taught agricultural courses and workshops extensively, and am an inspector of certified organic farms. As a diversified organic farmer, I have produced vegetables, small fruits, pastured poultry, sheep and honey. I also have two years experience raising root crops, vegetables and fruit in the tropics. I have marketed these crops through diverse methods. I have taught and organized a large number of courses and workshops on sustainable and organic agriculture. I am a certified agriculture teacher for secondary schools. I have been inspecting certified organic farms since 1990.
Information resources available: brochures, pamphlets, books, periodicals, field days, meetings, farmers

REF. 438-441

ref #:440 Individual

Daniel Kluchinski
Rutgers Cooperative Ext./Mercer Co.
Mercer County, NJ
930 Spruce Street
Trenton NJ 08648-4854

Telephone: (609)989-6830
FAX: (609)396-9573
Preferred method of contact: I prefer to be contacted by telephone from 8:30 a.m. to 4:30 p.m. EST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, solid waste management—leaves, agronomic crop production
Primary crop and livestock enterprises: agronomic crops
Description of Sustainable Agriculture work: I am an Extension agricultural agent researching the effects of raw leaf waste incorporation on soils and corn and soybean production. My primary research involves the effect of raw leaf application on corn and soybean production and related systems—soils, pest and beneficial insects, and disease. Farmer cooperator sites are also used for economic records of spreading, incorporation, and production costs. A statewide municipal survey on the extent and advantages/disadvantages of this leaf disposal option is being conducted.
Land Description: My primary research site is the NJAES Synder Research and Extension Farm at Pittstown, NJ. It is a sustainable agriculture research farm. I also conduct research at on-farm sites with cooperating growers.
Information resources available: bulletins, factsheets, monographs

ref #:441 Individual

Jennifer Morgan
Stony Brook-Millstone Watershed Assn.
31 Titus Mill Road
Pennington NJ 08534

Telephone: (609)737-3735
FAX: (609)737-3075
Contact people: Jim Kinsel, farm manager
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: information

transfer/education, agriculture policy, marketing
Description of Sustainable Agriculture work: I promote organic agriculture in New Jersey by developing education, marketing and certification programs. I conducted a study of the demand for organic produce in New Jersey which was published by the USDA Economic Research Service. I also helped start a certification program. I published guides to New Jersey's organic markets, developed education programs, and organized the first New Jersey organic county fair.
Information resources available: brochures, pamphlets, newsletter, field days, internships

ref #:442 Individual

Kenneth L. Muckenfuss
Mill Creek Organic Farm
Eayrestown Road
Medford NJ 08055

Telephone: (609)953-0372
Preferred method of contact: I can be contacted by telephone from 6 a.m. to 10 p.m., Monday through Saturday, EST.
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, agronomic crop production
Primary crop and livestock enterprises: legume cover crops, feedgrains, solanaceous vegetables, cole crops, greens (including salads), beef cattle, chickens
Description of Sustainable Agriculture work: I am a NOFA-NJ certified organic grower striving to develop a large availability of organic products using the latest techniques and technology and developing organic systems where none exist at present. Mill Creek Organic Farm is the largest certified producer of organically grown produce in N.J. The farm sells produce, eggs, beef, straw, hay, grain and some chicken. We market directly to the consumer through retail sales, community-supported agriculture and specialty markets. We also wholesale to health food stores, restaurants, supermarkets, co-ops and buying clubs. Mill Creek Organic Farm is a NOFA-NJ certified farm with 88 acres certified organic and 50 acres certified transitional organic. The 1992 season consisted of 135 varieties of vegetables, 19 varieties of field crops and four varieties of apples.
Land Description: The farm is on Holmdel and Freehold fine sandy loam soils, with zero to 3% slope. It is prime farmland and the best land in the township in the usage classification from a soils standpoint. We rotate to minimize buildup of pests.
Information resources available: All research and experiment information is privately or publicly funded. At present, this information is mostly verbal.

ref #:443 Individual

Leonard J. Pollara
Upper Meadows Farm
Rt 5 Box 554
Pollara's Lane
Montague NJ 07827

Telephone: (201)293-7350
FAX: (201)293-3450
Preferred method of contact: I am available by appointment or chance and can always be reached by phone at above between 7 a.m. and 8 p.m. EST. Please leave a message if you reach my machine.
Major Areas of Sust. Agric. Expertise: organic production, livestock production, water management
Primary crop and livestock enterprises: herbs, vegetables, cover crops, nonlegume forages, pole beans, hogs, goats-meat, beef cattle
Description of Sustainable Agriculture work: I am a small grower of certified organic specialty crops and meats, with a focus on some expertise in matching existing facilities and growing environments with beneficial and optimally productive crops and stock. I am very interested and active in promoting organic soil stewardship. I am doing on-farm experiments, with raised-bed systems, companion crops, "living mulch," cleansing crops, and hayfield and pasture development. I am also trying my hand at barren ground (post excavation and grading) rehabilitation for crop production. I am interested in promoting produce and stock production (profitably) for small property units.
Land Description: Montague, Sussex County, New Jersey, meadows, hillsides, glacial till springs, streams, about 66 acres.
Information resources available: I am available by phone or written correspondence, or in person, to respond to specific inquiries.

ref #:444 Individual

Susan H. Valentine
Sunny Acres Organic Farm Inc.
Fiddlers Creek Rd.
Titusville NJ 08560

Telephone: (609)737-3082
Preferred method of contact: I have an answering device so please leave a message 24 hrs./day.
Sust. Agric. Roles: part-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: marketing, information transfer/education, permaculture
Primary crop and livestock enterprises: small fruits, greenhouse or nursery, vegetables, cut flowers, cole crops, poultry, chickens
Description of Sustainable Agriculture work: I am a market gardener seeking to educate the public about agriculture as an integral part of society.
Land Description: 6 acres, 5+ cleared in 1990; one hoop greenhouse, one passive solar greenhouse. Has a creek and is 10% floodplain — primarily only slightly sloping although is at bottom of a hill.
Information resources available: newsletter

ref #:445 Individual

Irwin Weintraub
Rutgers University
Library of Science and Medicine
PO Box 1029
Piscataway NJ 08855-1029

Telephone: (908)932-3526
FAX: (908)932-3208
Electronic address: weintraub@zodiac.rutgers.edu
Preferred method of contact: I prefer to be contacted via telephone, fax, or electronic mail, respectively, during working hours.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am a librarian with specialties in agriculture, environment and nutrition. This includes developing library collections, library education for users and information dissemination. As an agricultural librarian, I assist people in their information searches who are interested in sustainable agriculture. I provide training and advice on where to look for information and how to access the most relevant information for their purposes. I provide bibliographies and information guides when appropriate.
Information resources available: books, periodicals, proceedings, electronic database

ref #:446 Organization

Mill Creek Organic Farm
Eayrestown Road
Medford NJ 08055

Telephone: (609)953-0372
Contact people: Kenneth L. Muckenfuss
Preferred method of contact: I can be reached by telephone 6 a.m. to 10 p.m., Monday through Saturday, EST.
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, agronomic crop production
Primary crop and livestock enterprises: legume cover crops, feedgrains, solanaceous vegetables, cole crops, greens (including salads), beef cattle, chickens
Description of Sustainable Agriculture work: I am a NOFA-NJ certified organic grower striving to develop a large availability of organic products using the latest in techniques and technology and developing organic systems where none exist at present. Mill Creek Organic Farm is the largest certified producer of organically grown products in N.J. The farm sells produce, eggs, beef, straw, hay, grain and some chicken. We market directly to the consumer through retail sales, CSAs and specialty markets. We also wholesale to health food stores, restaurants, supermarkets, co-ops, and buying clubs. Mill Creek Organic Farm consists of 88 acres certified organic and 50 acres certified transitional organic. The 1992 season consisted of 135 varieties of vegetables, 10 varieties of field crops, and four varieties of apples.
Land Description: The farm is on Holmdel and Freehold fine sandy loam soil with a zero to 3% slope. It is prime farmland and the best land in the township in the usage classification from a soils standpoint. We rotate to minimize buildup of pests.
Information resources available: All research and experiment information is privately or publicly funded. At present this information is mostly verbal.

REF.
446-
448

ref #:447 Organization

Natural Organic Farmers Assn. — NJ
31 Titus Mill Road
Pennington NJ 08534

Telephone: (609)737-6848
FAX: (609)737-3075
Contact people: Jennifer Morgan; Marsha Hostetter, certification administrator
Sust. Agric. Roles: farm advocacy and support, certifier
Major Areas of Sust. Agric. Expertise: marketing, organic production
Information resources available: brochures, pamphlets, newsletter, market guides to N.J. conventions, field days, internships

ref #:448 Organization

Rutgers University
N.J. Ag Exp. Sta./Extension
PO Box 231
New Brunswick NJ 08903

Telephone: (908)932-9308
FAX: (908)932-6769
Electronic address: Internet "HELSEL@DAEMON.RUTGERS.EDU"
Contact people: Zane R. Helsel
Preferred method of contact: I prefer to be contacted by e-mail.
Sust. Agric. Roles: extension worker, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am involved with sustainable agriculture Extension and research at a land-grant institution (Rutgers University, N.J.)
Land Description: Our research site is well-drained, and produces mixed crops (horticulture and agronomic) and livestock.
Information resources available: We have various publications, meetings, field days, slides, videos, etc. on sustainable agriculture.

NEW MEXICO

REF. 449-452

ref #:449 Individual

Jody Butterfield
Center for Holistic Resource Mgt.
5820 4th St. NW
Albuquerque NM 87107

Telephone: (505)344-3445
FAX: (505)344-9079
Electronic address: TELEX 650246 8554 MCI
Contact people: Shannon Horst, Allan Savory, Arne Vanderburg
Preferred method of contact: Contact the Center for Holistic Resource Management at the above address, phone, or fax.
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: holistic resource management, information transfer/education, farm management
Primary crop and livestock enterprises: No specific crops, beef cattle, sheep, wildlife, dairy cattle, exotic livestock
Description of Sustainable Agriculture work: We are a non-profit educational and training organization dedicated to restoring the vitality of communities and the natural resources on which they depend through Holistic Resource Management. We work with communities and other organizations to develop ongoing education and training in Holistic Resource Management — an approach that accounts for financial, ecological, family and community aspects of farming and ranching. It includes resourceful approaches to getting started in farming, or getting off chemicals, when you don't have a lot of dollars. Information is shared in courses, seminars and field days facilitated by Center staff or others trained by Center staff in our registered educators program. We also publish the quarterly "Holistic Resource Management Newsletter."
Information resources available: We offer a series of courses ranging from general interest introduction, to holistic management, to detailed planning procedures for managers. We provide on-site consultation and management services. An electronic bulletin board and quarterly newsletter keep practitioners up-to-date.

ref #:450 Individual

James F. Henson
Soil Conservation Service
Plant Materials Center
1036 Miller Rd. SW
Los Lunas NM 87031

Telephone: (505)865-4684
FAX: (505)865-5163
Preferred method of contact: I have no preference.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production
Primary crop and livestock enterprises: cover crops, nonlegume cover crops, forage crops, nonlegume forages
Description of Sustainable Agriculture work: I develop cultivars that may be useful for sustainable agriculture functions such as cover cropping.
Information resources available: brochures, pamphlets, factsheets, monographs, field days

ref #:451 Individual

Scott Pittman
Environmental Design Concepts
PO Box 8101
Santa Fe NM 87504

Telephone: (505)983-1262
Electronic address: ECONET = SWRPI
Preferred method of contact: I prefer contact by regular mail and e-mail.
Sust. Agric. Roles: teacher, information provider
Major Areas of Sust. Agric. Expertise: permaculture, information transfer/education
Primary crop and livestock enterprises: agroforestry, forestry, nonfruit nursery, legume cover crops, forage crops, chickens
Description of Sustainable Agriculture work: I am a permaculture designer and teacher involved with both Third and First World farmers in developing sustainable systems, agricultural and natural. For the past six years in the U.S. and South America, I have been working as a permaculture designer and consultant. My primary task is to take land devastated by clearcutting, grazing and "green revolution" agriculture and find ways to bring it back to sustainable production. Permaculture is the design methodology I use and I work in both rural and urban situations.
Land Description: I have worked with many sites, ranging from high mountain areas to coastal Pacific areas in Ecuador, to high desert areas in the U.S.
Information resources available: We provide training in permaculture throughout the world. In addition, we have publications on permaculture methods and technology.

ref #:452 Organization

Center for Holistic Resource Mgt.
5820 4th Street NW
Albuquerque NM 87107

Telephone: (505)344-3445
FAX: (505)344-9079
Contact people: Shannon Horst
Preferred method of contact: We can be reached by mail or by phone. We operate during normal business hours of 8 a.m. to 5 p.m. MST. However, if this is not convenient, we do have an answering machine.

Sust. Agric. Roles: teacher, community/resource development
Major Areas of Sust. Agric. Expertise: information transfer/education; all the categories as components of whole
Primary crop and livestock enterprises: forage crops, forestry, wildlife, beef cattle, goats-meat, sheep
Description of Sustainable Agriculture work: We have developed a values-driven model to manage resources in an ecologically, socially and financially sound manner. The Center for Holistic Resource Management offers a decision-making model and training which, when combined, helps people to identify their "whole" resource base (people, land and money). Our approach also aids in the establishment of a goal which fits with the values of the practitioner or the community. Add to this an explicit recognition of the natural ecosystem processes, tools and testing guidelines, and anyone who used the model is capable of making ecologically, socially and financially sound resource management decisions.
Information resources available: We offer books, courses and consultations to individuals, farms/ranches, organizations and communities.

ref #:453 Organization

High Desert Research Farm
Ghost Ranch
Abiquiu NM 87510

Telephone: (505)685-4333
Contact people: Lynda S. Prim, Susan Verkamp
Preferred method of contact: We prefer to be contacted by telephone during working hours MST. We also answer correspondence.
Sust. Agric. Roles: genetic preservation, researcher
Major Areas of Sust. Agric. Expertise: genetic preservation, agronomic crop production, information transfer/education
Primary crop and livestock enterprises: small grains, non-oilseed legumes, cover crops, nonlegume cover crops, forage crops, Navajo-Churro sheep, draft horses, beekeeping
Description of Sustainable Agriculture work: We are a small, diversified, biological farm researching, growing and saving open-pollinated crop varieties and redistributing those varieties to farmers in other arid and semi-arid highland areas. As a research farm, our primary goal is to collect, grow, save and redistribute open-pollinated varieties of small grains, beans, peas and vegetables to farmers and gardeners in our region and in other appropriate regions throughout the world. We do research on minimum-tillage methods, cover-cropping, crop rotation, green manuring, intercropping, draft horse farming, solar energy, gardening, using rainfall harvesting, soil blocks and minor breeds. We share information about our project through a newsletter (Seed & Harvest). All our crops are certified organically grown. We offer test packets of open-pollinated seeds to serious gardeners and farmers.
Land Description: Our site is located at 6,500 feet elevation in the high desert of northern New Mexico. The 10 acres that we farm and garden on is mostly sandy loam with a high pH. The average annual rainfall at our site is 9 inches with most of the precipitation occuring between late July and mid-September. Our average last and first frost dates are June 1 and September 1. We are a small, diversified farm operation.
Information resources available: We have a newsletter that we can mail to interested people. Our newsletter covers seed saving, crop rotation, cover cropping methods, horse farming and high desert gardening techniques.

ref #:454 Organization

New Mexico Organic Growers Assn.
1312 Lobo Place NE
Albuquerque NM 87106

Telephone: (505)268-5504
Contact people: Sarah McDonald (same address as above)
Primary crop and livestock enterprises: vegetables
Description of Sustainable Agriculture work: We are a 20-year-old non-profit organization composed of backyard growers. Learning is accomplished through meetings, lectures, tours to organic gardens, and a monthly newsletter.
Information resources available: periodicals, meetings, public speakers

ref #:455 Organization

Seeds of Change
621 Old Santa Fe Trail, #10
Santa Fe NM 87501

Telephone: (505)983-8956
FAX: (505)983-8957
Contact people: Kenny Ausubel, Nina Simons, Howard Shapiro
Preferred method of contact: Contact us by phone during working hours of 9 a.m. to 6 p.m.
Sust. Agric. Roles: supply &/or service provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, marketing, organic production
Primary crop and livestock enterprises: 700 vegs, flowers, herbs
Description of Sustainable Agriculture work: We produce and distribute the only certified organic seeds nationally, and offer an exceptional diversity of heirloom, traditional, and high-nutrition cultivars. Our award-winning catalog is a favorite of the New York Times and won the Metropolitan Home magazine's Design 100 "Oscars" as one of the hottest five mail-order companies. We are using the market of backyard gardeners as a mechanism to save and spread biodiversity.
Land Description: We farm on 128 acres, with irrigation from the Gila River. It is semi-arid and organic. It is within 5 miles of 10 separate eco-zones and has a great biodiversity.
Information resources available: as above

NEW YORK

ref #:456 Individual

Frank A. Banner
Natural Organic Farmers Assn. — NY
1863 Preble Rd.
Preble NY 13141

Telephone: (315)696-8179
Preferred method of contact: I prefer to be contacted by mail.
Sust. Agric. Roles: NOFA-NY certification program, gardener
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, organic production
Primary crop and livestock enterprises: greens (including salads), legume cover crops, stone fruits, fruit crops, vegetables, chickens
Description of Sustainable Agriculture work: I am an organic gardener and sit on the certification board for NOFA-NY. I am an organic gardener raising fruit, berries and vegetables. I have in the past raised organic beef. I also make maple syrup.

ref #:457 Individual

Carl D. Bannon
Cornell Cooperative Extension
County Office Bldg.
PO Box 5590
Cortland NY 13095

Telephone: (607)753-5077
Sust. Agric. Roles: Extension worker, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, weeds
Primary crop and livestock enterprises: agronomic crops, forage crops, legume forages, feedgrains, dairy cattle
Description of Sustainable Agriculture work: I am a field crop specialist programming to a five-county region in south-central New York state. As a field crop specialist I work primarily with field corn, hay crops and pasture. Most of my programming involves integrated pest management and nutrient management systems. I serve on a team of specialists. The team services dairy farmers in field crop management, farm business management and dairy herd management.
Land Description: General silt loam soils, glacial outwash, acidic, moderately course textured. Valley soils, well drained, well suited to a variety of crops, high yield potential. Hill soils, somewhat poorly drained, fragipan, lower yield potential.
Information resources available: We have factsheets in many areas of field crop management such as forage species, pest management, nutrient management, water quality, etc.

ref #:458 Individual

B. Jill Bebee
Cornell Cooperative Extension
420 E. Main Street - P
Batavia NY 14020

Telephone: (716)343-3040
Preferred method of contact: Call me either at work from 7 a.m. to 4:30 p.m., or evenings at home at (716)433-3424.
Sust. Agric. Roles: Extension worker, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production
Description of Sustainable Agriculture work: I work for Extension, and deal with agriculture and environmental issues. I am married to a full-time organic farmer. As an Extension agent, I am accumulating a lending library with information on sustainable agriculture. I try to include as much practical information as I can in my monthly newsletter, "Ag Issues." I also occasionally print articles on the philosophy of farming and land use. As a NOFA member and farm partner, I give talks on organic agriculture and sustainable agriculture to groups. I am also on a committee (The Transitions Committee) that brings together people from different points of view to present an annual conference on moving to sustainable agriculture in New York.
Information resources available: I have been accumulating books and publications on sustainable agriculture. I have some factsheets that can be copied and mailed. Other information (including some videos) is available for loan.

ref #:459 Individual

Charles (Chuck) Blood
Rocky Top Acres
Rd. 1 Box 76
Hubbardsville NY 13355

Telephone: (315)899-8907
Preferred method of contact: I would prefer to be contacted by telephone between 6 p.m. and 9:00 p.m. EST. I can also be contacted by mail.
Sust. Agric. Roles: full-time farmer/rancher, farm tester and info. provider
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, agricultural economics
Primary crop and livestock enterprises: forage crops, cover crops, forestry, interseeding w/cover, dairy cattle, beef cattle, hogs, wildlife
Description of Sustainable Agriculture work: I wish to farm with nature, not fight it, and plan to leave this land and livestock better than I found them. As a diverse-natural farm, we continue to experiment with different grasses and other hay and pasture species; use intensive rotational grazing; use no chemicals or purchased fertiliz-

ers on corn or pastures and hay; market Belgium-blue crosses for beef in freezer market; sell seasonal feeder pigs the same way; and cultivate and interseed for corn crops, with additional cover crop usage.
Land Description: Our farm has hilly, heavy soils with shallow bedrock and shale fragments. It is about equally divided between woods, unimproved pasture and cropland.

ref #:460 Individual

Kim Buell
6518 Middle Road
Sodus NY 14551

Telephone: (315)483-8155
Preferred method of contact: Please contact me by mail, or by phone after 8 p.m. EST.
Sust. Agric. Roles: market gardener, teacher
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, information transfer/education
Primary crop and livestock enterprises: vegetables, cover crops, cut flowers
Description of Sustainable Agriculture work: I am a small-scale market gardener. I grow in raised beds that are intensively planted and rely on compost for nutrients, as well as cover cropping. I use crop rotation to control pests and intensive mulching to control weeds.
Information resources available: I have NOFA-NY newsletters.

ref #:461 Individual

Joseph K. Buttner
Center for Aquatic Sci. & Aquac.
Dept. of Biological Sciences
SUNY at Brockport
Brockport NY 14420

Telephone: (716)395-5750
FAX: (716)395-2416
Electronic address: BITNET#;JBUTTNER@BROCHIP
Preferred method of contact: Call or write CAASA — "Attention Dr. Buttner."
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: aquaculture, water management
Primary crop and livestock enterprises: cool water aquaculture, cage culture, Great Lakes aquaculture, cold-water aquaculture, warm-water aquaculture
Description of Sustainable Agriculture work: I am a Certified Fisheries Scientist and an aquaculture specialist. My duties include research teaching, and Extension. Primary areas of expertise include culture of cool-water fish, aquaculture applications in the Great Lakes, cage culture and technology transfer. I have hands-on expertise in aquaculture of cool-water species including walleye, yellow perch, bullhead catfish, sunfish, fat-head minnows and crawfish. Primary efforts include cool-water fish culture, applications in the Great Lakes, cage culture, technology development and transfer.
Land Description: Our research site occupies 3½ acres with eight research ponds, a 1,200-sq.-ft. wet laboratory, 400-sq.-ft. water-quality laboratory, and a 500-sq.-ft. aquatic invertebrates/toxicology laboratory. A field laboratory is on-site at the pond facility.
Information resources available: We can supply fact-sheets and generic information on aquaculture, referral to additional follow-up sources of information, and lists of useful texts, course instruction and personal meetings.

ref #:462 Individual

Nellie G. Call
NGC Consulting
7885 Lewiston Road
Batavia NY 14020

Telephone: (716)343-7475
Sust. Agric. Roles: information provider, agricultural consultant
Major Areas of Sust. Agric. Expertise: pest management, horticultural crop production-vegetables, soil management
Primary crop and livestock enterprises: vegetables, forage crops, small grains, legume forages, cover crops
Description of Sustainable Agriculture work: I am an agricultural consultant using advanced and experimental vegetable and crop production techniques to farm sustainably on a large commercial scale. My emphasis is on pest management and building a healthy soil. I am an agricultural consultant for large commercial vegetable farms. I specialize in pest and resistance management, and crop production, soil nutrition, storage management, and production cost comparisons. My goals are to reduce pesticide use and pest pressure and resistance, and to improve soil health and the health of the plant with fewer chemical and more organic inputs.

ref #:463 Individual

Harold D. Campbell
5177 Lower Mountain Road
Lockport NY 14094

Telephone: (716)433-3424
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, rural social economic issues
Primary crop and livestock enterprises: vegetables, greens (including salads), cover crops, forage crops, greenhouse or nursery
Description of Sustainable Agriculture work: We are market gardeners. Our farm is certified organic under NOFA-NY standards. We are producing a wide variety of vegetable crops and hay—all certified organic. Diversity is our goal. We hope soon to include grain and livestock in an effort to produce a "closed" system (reducing off-farm inputs). We use composting and soil blocks. As first-generation farmers, we face a host of problems, and with diversity as a goal, financing and capitalization of a large number of enterprises is a big one. We are interested in issues of agroecology, social justice for farm laborers and owners, and sustainability.
Land Description: Our farm is in western New York State, near Lake Ontario. Its recent history dates to the

Holland Land Company of the early 1800s. The soil is glacial till, and while the glacier was generous in leaving soil, it was also generous with rocks. We are on the same geologic feature that Niagara Falls tumbles over.
Information resources available: We are committed to ecologically sustainable agriculture, so when people are referred to us, we attempt to answer their questions. We do public speaking and workshops in an attempt to make our neighbors aware of the issues at stake.

ref #:464 Individual

Kate Clancy
Syracuse University
Dept. of Nutrition and Food Mgmt.
34 Slocum Hall
Syracuse NY 13244

Telephone: (315)443-4554
FAX: (315)443-2562
Electronic address: kcfood@SUVM
Preferred method of contact: I would prefer to be contacted by mail, but will accept phone calls during working hours EST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: food system links, policy, information transfer/education
Description of Sustainable Agriculture work: I am a nutritionist researching the linkages between sustainable agriculture and other components of the food system e.g. food safety, agriculture policy, nutrition quality, and consumer issues (food costs, accessibility, etc.). My research looks at standards for "natural" (organically processed) food, reviews of research on nutritional quality of crops grown in alternative systems, applicable issues in biotechnology, political and economic questions related to changes in agriculture policy in more sustainable directions, relationships of sustainable agriculture to the local food system, and the relationship of sustainable agriculture to food accessibility for low-income populations.

ref #:465 Individual

Martin N. Culik
Cornell Cooperative Extension
480 North Main St.
Canandaigua NY 14424

Telephone: (716)394-4110
FAX: (716)394-0377
Preferred method of contact: I prefer to be contacted via telephone or fax during working hours EST.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: soil management, water management, agronomic crop production
Primary crop and livestock enterprises: agronomic crops, forage crops
Description of Sustainable Agriculture work: I am an Extension agent responsible for agriculture and natural resources educational programming.
Information resources available: brochures, pamphlets, bulletins, newsletter, meetings

ref #:466 Individual

Richard de Graff
Grindstone Farm
Tinker Tavern Rd.
Pulaski NY 13142

Telephone: (315)298-4139
Preferred method of contact: Please contact me by mail at the above address.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, horticultural crop production-fruits
Primary crop and livestock enterprises: small fruits, root vegetables, onions and related crops, cole crops, tuber vegetables, beekeeping, weeder geese
Description of Sustainable Agriculture work: I am a market farmer using organic production techniques to produce highest quality fruits and vegetables. We are using season extenders and other techniques to produce crops "out of season," using certified organic practices. We sell to restaurants, health food stores, food co-ops, and direct to consumers. Our crops include lettuces—salad mix, celery, root crops, brassicas, etc.
Land Description: We have 137 acres, with approximately 60 tillable acres. The remainder of the land is in managed woods or wetlands.
Information resources available: workshops

ref #:467 Individual

David Diamondstein
Handyman Hardware
371 South Oyster Bay Road
Plainview NY 11803

Telephone: (516)931-7663
Preferred method of contact: I can be contacted by phone (EST) between 8 a.m. to 6:30 p.m. weekdays, or by mail.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: soil management, pest management, water management
Description of Sustainable Agriculture work: I supply organic fertilizers, soil amendments and related tools and household products to both retail and wholesale markets. At Handyman Hardware, I supply a full line of organic fertilizers (currently North Country Organics). We also carry organic soil amendments, household cleaning products by Earth's Best, and related tools for lawn and garden care. We are primarily a retail store with a wholesale business aimed at farmers and lawn care professionals.
Information resources available: I have printed materials on the various soil amendments, etc., both individually and as a set. I also have printed information on the cleaning products we sell.

ref #:468 Individual

Kevin F. Ennis
Ennisbrooke
RR 2 Box 176
Hammond NY 13646

Telephone: (315)324-6076
Preferred method of contact: I would prefer a phone call. A good time would be between 6-7 in the evening. A letter would be agreeable.
Sust. Agric. Roles: full-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, soil management
Primary crop and livestock enterprises: vegetables, cover crops, greenhouse or nursery, cole crops, cucurbits
Description of Sustainable Agriculture work: I am tilling approximately 2.5 acres using the practices of crop rotation, green manures, companion crops and permanent beds. I market my products through the CSA approach. My work here is all new to me so I look to find ways of work that please me. I prefer transplanting as much as possible, using the soil-blocking method. I'm experimenting with using ½ acre of permanent beds and alternating rows dedicated to squash and then beans. Next year, I'll flipflop the rows and do a rotation of buckwheat, beans and annual rye where the squash grew. Hopefully I can continue the use of that field planted in that fashion. I sell my products through CSA and farmers markets.
Land Description: I farm on slopes. With two reasonably flat areas, the soil varies from loamy to straight clay.
Information resources available: I had not considered writing down what I do, as I'm neither a Noel Perrin nor Eliot Coleman with words or farm work. It's something to consider.

ref #:469 Individual

Steve Gilman
Natural Organic Farmers Assn. — NY
Ruckytucks Farm
130 Ruckytucks Road
Stillwater NY 12170

Telephone: (518)583-4613
Preferred method of contact: Contact me by phone during evening hours.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, information transfer/education
Primary crop and livestock enterprises: greens (including salads), vegetables, cover crops, greenhouse or nursery, solanaceous vegetables
Description of Sustainable Agriculture work: Our certified organic family farm markets fresh produce and herbs to area restaurants and to a community-supported agriculture (CSA) project. I am involved with sustainable agriculture, food system initiatives and education locally, statewide and regionally. We at Ruckytucks Farm grow a wide variety of specialty herbs and vegetables for select area restaurants, as well as supplying shareholders in our community-supported agriculture (CSA) project. Using intensive growing techniques with successive cropping and season extension methods, we supply fresh produce May to December and storage crops through the winter months. I am active on several advisory boards to state agencies as well as state and interstate organic farming organization councils. I also conduct workshops on organic and sustainable agriculture practices and issues. I write for state and regional ag publications, primarily in the wintertime.
Land Description: Ruckytucks Farm is 50 acres in the upper Hudson Valley, a former lake bottomland. Soils are clay loams. Drainage is a major factor. Most fields utilize a permanent raised-bed system. Primary nutrients are provided by composting milfoil and other weeds from a nearby lake, plus cover crops. Our location is 10 minutes from markets in Saratoga Springs.
Information resources available: workshops, public speakers, internships

ref #:470 Individual

Carroll J. Glynn
Cornell University
327 Kennedy Hall
Dept. of Communication
Ithaca NY 14850

Telephone: (607)255-8460
FAX: (607)255-7905
Electronic address: GLY@CORNELLA
Preferred method of contact: You can contact me by phone, e-mail or fax.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: social science research, information transfer/education
Primary crop and livestock enterprises: fruit crops, vegetables, onions and related, greenhouse or nursery
Description of Sustainable Agriculture work: I am a social science researcher, investigating adoption of IPM techniques and social/psychological reasons behind adoption/non-adoption. As a social science researcher, I am currently investigating adoption and attitudes toward IPM in New York state, focusing on apple, onion, cabbage, strawberry and greenhouse (ornamental) growers. I am in the middle of attempting to work with researchers from other states, and have a small project going on in Kulifi, Kenya.
Land Description: I interview farmers on their farms (corporate and family farms).
Information resources available: We have articles describing research results.

ref #:471 Individual

Elizabeth Henderson
Rose Valley Farm
PO Box 149
Rose NY 14542

Telephone: (315)587-9787

Electronic address: Econet ehenderson
Preferred method of contact: I prefer mail to the above address.
Sust. Agric. Roles: full-time farmer/rancher, information provider
REF. 472-474
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, transition to organic
Primary crop and livestock enterprises: small fruits, vegetables, cole crops, greens (including salads), root vegetables
Description of Sustainable Agriculture work: At Rose Valley we produce fresh market vegetables and small fruit on 26 acres using organic methods. We also tend and harvest 20 acres of woods and maintain 10 acres of wildlife plantings and ponds. We are dedicated to regional marketing and host a community supported agriculture project with consumers in Rochester. Our primary market crops are asparagus, carrots, garlic, assorted greens and broccoli. We participate in on-farm research on compost production using aquatic vegetation from Lake Ontario, and manures, variety trials and cover crops. We would like to join in research on the interactions of wildlife and farming. For 6 years, I have been involved in organizing farmer-to-farmer conferences on reducing the use of chemicals in farming. I write regularly for "The Natural Farmer," the NOFA-NY newsletter and "Organic Farmer."
Land Description: Rose Valley Farm is on the Lake Ontario Plain, 4 miles from the Great Sodus Bay and the lake. The soils are high in mineral content from glacial deposits. The farm is 60 acres of sandy and gravelly loams; 20 acres of woods, 2 acres of black walnuts, 10 acres of wildlife conservation programs; with the remaining land in small fruit and vegetable production using organic methods.
Information resources available: Our CSA publishes a newsletter four to five times a year. We have a brochure describing our activities at Rose Valley Farm. At least once a year, we hold a field day on such topics as on-farm composting, organic vegetable production and expanding from garden to farm scale. We provide two apprenticeships a year to people who want training in organic farming.

ref #:472 Individual

Thomas Lyson
Cornell University
Department of Rural Sociology
Cornell University
Ithaca NY 14853

Telephone: (607)255-1684
Electronic address: GUVY@CORNELLA

Preferred method of contact: Contact me by phone during working hours EST, by e-mail, or by regular mail.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: information transfer/education, agricultural economics, marketing
Primary crop and livestock enterprises: vegetables, dairy cattle
Description of Sustainable Agriculture work: I am a rural sociologist whose research examines the social, economic and political consequences of moving from conventional agricultural systems to sustainable agricultural systems. As a rural sociologist, my research has focused on labor and management constraints to the adoption of sustainable practices in potatoes. I have examined the social and economic consequences of new biotechnologies in doing farming. I am the director of the Farming Alternatives Program at Cornell University.
Information resources available: We have available research articles related to sociological aspects of sustainable agriculture.

ref #:473 Individual

Ian Merwin
Cornell University
Dept. of Fruit & Veg. Science
118 Plant Science Bldg.
Ithaca NY 14853

Telephone: (607)255-1777
FAX: (607)255-0599

Preferred method of contact: I prefer to be contacted by fax or mail.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits soil management, information transfer/education
Primary crop and livestock enterprises: pome fruits, stone fruits, cover crops, oilseeds, nonlegume forages
Description of Sustainable Agriculture work: I am an agroecologist studying the impacts of alternative and conventional orchard soil management systems on the physiology of fruit trees, fertility and resource cycling of soils, and key pests in tree-fruit production in the Northeast. My primary crop focus is apples, though I also work with peach and cherry orchards. My studies are primarily long-term field tests investigating direct and indirect effects of different orchard ground covers (e.g. synthetic and natural fiber mulches, leguminous living mulches, sod grass mixtures), and chemical weed management systems upon the critical soil resource base in orchard agroecosystems.
Land Description: My research site is located on glacial till and lacustrine soils in the rolling uplands of the Finger Lakes region of New York State.
Information resources available: As one of Cornell's faculty members who is active in research and teaching, I help provide information in a range of forms including factsheets, Extension bulletins, articles in county "Ag News" periodicals, slide sets, etc.

ref #:474 Individual

Marvin P. Pritts
Cornell University
Dept. of Fruit & Veg. Science
Plant Science Bldg.
Ithaca NY 14853

Telephone: (607)255-5439
FAX: (607)255-0599

Preferred method of contact: I prefer to be contacted

by fax or letter because I am often unavailable to receive phone calls.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits weeds
Primary crop and livestock enterprises: small fruits
Description of Sustainable Agriculture work: I am a researcher/Extension professor examining sustainable practices in berry crops. I am involved with research of raspberries, strawberries, blueberries, weed control, IPM, cover crops and nutrient management.
Land Description: Our research site is located in Zone 5-A, with heavy variable soils.
Information resources available: bulletins, factsheets, monographs, newsletter, meetings

ref #:475 Individual

Tom Richard
Cornell University
Dept. of Ag & Biol. Eng.
Riley-Robb Hall
Ithaca NY 14853

Telephone: (607)255-2488
FAX: (607)255-4080
Electronic address: P898@nysaes.cornell.edu
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: composting, waste management, water management
Description of Sustainable Agriculture work: I am an engineer researching composting process optimization and the environmental impacts of processing and utilization. My primary interests are in developing composting materials in a cost-effective and environmentally sound manner. Research occurs in both laboratory reactors and full scale (including farm scale) systems. A current focus involves process optimization for odor control and rapid stabilization.
Information resources available: I have available a wide range of brochures, factsheets, handbooks and research reports on different aspects of composting. We also hold periodic field days, workshops, and shortcourses which are open to the public.

ref #:476 Individual

Thomas W. Scott
Cornell University
Bradfield Hall
Ithaca NY 14853

Telephone: (607)255-1740
FAX: (607)255-2644
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, water management
Primary crop and livestock enterprises: agronomic crops, feedgrains, cover crops, forage crops, legume forages
Description of Sustainable Agriculture work: I am an agronomist researching intercropping with corn. I am intercropping grasses and legumes between rows of corn. I am evaluating percent of cover from intercrops after corn harvest. Nitrogen and organic matter contributions to the soil were also evaluated. I am co-teaching a sustainable agriculture course.

ref #:477 Individual

Ed Slona
17 North Louise St.
Binghamton NY 13901

Telephone: (602)722-0934
Sust. Agric. Roles: farm advocacy and support, future full-time farmer
Major Areas of Sust. Agric. Expertise: marketing, organic production, information transfer/education
Description of Sustainable Agriculture work: We are currently saving to buy a small (100 acre-plus) farm for a diversified, organic farm. I am on the NOFA-NY Governing Council where I am working to increase membership as well as other issues. We have been searching for a farm since 1/90. While we have made offers on six different farms, we have not been able to reach a sales agreement.

ref #:478 Individual

David Stern
Rose Valley Farm
PO Box 149
Rose NY 14542-0149

Telephone: (315)587-9787
Contact people: Ms. Elizabeth Henderson
Preferred method of contact: I prefer to be contacted by telephone on rainy days or after dark before 11 p.m. EST.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, soil management, organic production
Primary crop and livestock enterprises: vegetables, onions and related, greens (including salads), root vegetables, small fruits
Description of Sustainable Agriculture work: Since I stopped using chemical and soluble inputs in 1979, I've been re-learning about growing vegetables and small fruits, and staying in business. Rose Valley Farm is a small, intensive, diversified farm, marketing fresh fruits and vegetables in a 60-mile radius from Rose, N.Y. We grow some 80 crops on 30 acres, and have been certified organic by NOFA-NY since 1986. We are continually experimenting with new crops, machinery, rotations, interseeding, cover cropping, compost, green manures and marketing.
Land Description: Rose Valley is in the Ontario Lake Plain, 4 miles south of Lake Ontario, with sandy and gravelly soils. It consists of 60 acres, of which 30 are cropland, 20 are woodland, 10 are in conservation, USDA wildlife programs or nut orchards.

Information resources available: We often write for organic publications such as Natural Farmer and NOFA News, and hold field days and invite farmers and consumers to the farm for tours. Telephone calls are always quicker than letters.

ref #:479 Organization

Cornell University
Instructional Materials Serv.
420 Kennedy Hall
Ithaca NY 14853

Telephone: (607)255-9253
Contact people: Daryle E. Foster, Andy Fagan, Ginny Burness
Preferred method of contact: Contact us by mail, or by phone from 9 a.m. to 4:30 p.m., Monday through Friday.
Sust. Agric. Roles: information provider, instructional materials dev.
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am a curriculum specialist involved in developing curriculum and instructional materials for primary, secondary and post-secondary school systems. I am currently developing a model on "sustainable agriculture" to be taught via a new course in high school (11th & 12th grade).
Information resources available: curricula, newsletter, catalog, slides, video, workshops

ref #:480 Organization

Cornell University
Farming Alternatives Program
Warren Hall
Ithaca NY 14853

Telephone: (607)255-9832
FAX: (607)255-9984
Electronic address: P971@NYSAES.CORNELL.EDU
Contact people: Judy Green; Dr. Thomas Lyson, Rural Socio.; Duncan Hilchey, Research Asst.; Karene Booker, Prog. Asst.
Preferred method of contact: Contact us by phone, mail, fax or e-mail.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education diversification
Description of Sustainable Agriculture work: The Farming Alternatives Program is dedicated to enhancing the sustainability of farming in New York State, through research and education on farm enterprise development, alternative agricultural practices, and marketing strategies. The program focuses on NYS resources and issues. We maintain a database of farmers and resource people with expertise to share; publish a quarterly newsletter; conduct an annual transitions conference; publish resource materials; and provide information and referrals within New York State. We also work with community groups to foster sustainable farming efforts on the local level.
Information resources available: We have available an in-depth planning guide for farmers, "Farming Alternatives: A guide to evaluating the feasibility of new farm-based enterprises." We also have several publications, factsheets, & resource listings. Publications lists are available. Referrals through networking database, as well as customized information on specific enterprises & issues, are also available although our ability to serve non-N.Y. State inquiries is limited.

ref #:481 Organization

Cornell University
Sustainable Agriculture Coord.
245 Roberts Hall
Ithaca NY 14853

Telephone: (607)255-4422
FAX: (607)255-9499
Contact people: Nancy Grudens Schuck; Dr. Brian Chabot, Director NYS Ag Exp. Sta. (same address); Dr. John Duxbury, Dept. Soil, Crop, Atmos. Sci., Bradfield Hall
Preferred method of contact: Please write or call during regular business hours. An answering machine will take calls when I am unavailable.
Sust. Agric. Roles: college coordinator, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, pest management
Primary crop and livestock enterprises: agronomic crops, feedgrains, forage crops, legume forages, general knowledge re: all
Description of Sustainable Agriculture work: I am in a new position intended to coordinate and enhance Cornell's research and Extension in sustainable agriculture, as well as provide specific technical support and referrals in organic and sustainable farming practices. Specific projects include producing a bimonthly update on sustainable ag activities at Cornell for faculty and field staff; support for activities of the Sustainable Agriculture Advisory Committee; planning annual Transitions Conference; supporting the relationship between grower organizations involved with sustainable ag and the college community; and a video film series in sustainable ag.
Information resources available: We have access to factsheets from various Cornell programs and departments, including IPM Program, Farming Alternatives Program, Water Resources Institute and others. We try to be the "open door" to the plethora of information on biocontrol, cover crops, composting, new crops, cultural & mechanical weed control and other technologies researched at Cornell. We assist prospective students in choosing a sustainable ag program.

ref #:482 Organization

Cornell University
Fruit & Vegetable Science
134A Plant Science Bldg.
Ithaca NY 14853

Telephone: (607)255-1781
FAX: (607)255-0599

Contact people: Marcia Eames-Sheavly
Preferred method of contact: I prefer to be contacted via telephone at 607-255-1781, MWF, during working hours EST, or via fax at any time.
Sust. Agric. Roles: information provider, Extension worker
Major Areas of Sust. Agric. Expertise: ecological gardening.,
Primary crop and livestock enterprises: vegetables
Description of Sustainable Agriculture work: I am an Extensionist with a home-gardening education program. As a horticulture educator, my primary area of responsibility is to identify and develop resource material for use by faculty and Extension staff in youth and adult gardening programs. Recently, our efforts have been directed into developing research based, ecological, gardening reference material.
Information resources available: We have "Eco-Gardening" factsheets available through any of the county cooperative Extension offices of New York state.

ref #:483 Organization

Center Appl. Aquatic Sci. & Aquac.
Dept. of Biological Sciences
SUNY at Brockport
Brockport NY 14420

Telephone: (716)395-5750
FAX: (716)395-2416
Electronic address: BITNET#;JBUTTNER@BROCHIP
Contact people: Joseph K. Buttner, Dr. Randal Brummett, Dr. James Hayner, Dr. Joseph Mahasewicz, Mr. Theodore Lewis
Preferred method of contact: Call or write CAASA — "Attention Drs. Buttner or Brummett."
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: water management, aquaculture, conservation
Primary crop and livestock enterprises: cool water aquaculture, warm-water aquaculture, cage culture, Great Lakes aquaculture, cold-water aquaculture
Description of Sustainable Agriculture work: CAASA is an educational, research and service program in aquatic ecology and resource management. The Center for Applied Aquatic Science and Aquaculture was established to promote the wise use and enhanced understanding of aquatic resources. Primary efforts in sustainable agriculture include culture of cool-, cold- and warm-water fishes, aquaculture applications in the Great Lakes, cage culture, genetic development of aquaculturally important fishes, technology transfer and water-quality management. Efforts are addressed via Extension, research and instruction.
Land Description: Our research facility includes a 3½-acre pond facility with a field laboratory, a 1,200-sq.-ft. wet laboratory — environmentally controlled, a 400-sq.-ft. water quality/analytical laboratory and a 500-sq.-ft. aquatic invertebrates/toxicology laboratory.
Information resources available: We provide library facilities, course work, professional/technical expertise, technical publications and factsheets. Networks are available to assist people interested in sustainable aquaculture.

ref #:484 Organization

Garlic Seed Foundation
Rose Valley Farm
Box 149
Rose NY 14542-0149

REF. 483-485

Telephone: (315)587-9787
Contact people: David Stern; Bob Dunkel, Garlic Press (716)526-5779 (p.m.)
Preferred method of contact: By phone — rainy days or after dark until 11 p.m. EST.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, marketing, organic production
Primary crop and livestock enterprises: garlic, onions and related, alliums
Description of Sustainable Agriculture work: The GSF does not support illegal use of materials or research with the use of pesticides and promotes good soil management. Since there are very few materials registered for use on *A. sativum*, our work has concentrated on the sustainable cultivation.
Land Description: The GSF has member-growers in 33 states, Canada, and the Netherlands, with all soils and climates.
Information resources available: We print an irregular newsletter "Garlic Press," write a bulletin w/Cornell Univ. (GSF/CU #387), reprint many other pieces and have an enormous library on relevant and not so relevent information and recipes.

ref #:485 Organization

N. Country Sch./Camp Treetops
PO Box 187
Lake Placid NY 12946

Telephone: (518)523-9329
FAX: (518)523-4858
Contact people: John Culpepper, Frank Wallace — same address
Preferred method of contact: Please contact me by mail.
Sust. Agric. Roles: teacher, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, greens (including salads), tuber vegetables, greenhouse or nursery, solanaceous vegetables
Description of Sustainable Agriculture work: I am an educator involved in teaching children and adults at our facility and elsewhere about organic farming and the value of an organic farm in teaching a variety of concepts in several academic subjects. We have been involved at this school/camp in gardening on 4 acres (mostly vegetables) for more than 40 years. Our students and campers participate at every level in the growing and processing of our crops. We publish a monthly newsletter, "The School/Farm Connection," in an attempt to link up with other interested educators and we seek to become a regional resource for educators interested in learning more about gardening with children.

Land Description: We are located on gently rolling, highly rocky glacial till soils with high sand and low clay content. Our facility is at an altitude of 2,200 feet.
Information resources available: We publish free of charge a monthly newsletter called "The School/Farm Connection" to interested educators. We make our facilities available for gardening/farming workshops. Our director of gardening programs gives occasional talks and lectures to the public and educational institutes.

ref #:486 Organization

Natural Organic Farmers Assn. — NY
NOFA-NY News
PO Box 70
Tunnel NY 13848-0070

Telephone: (607)693-1572
Contact people: Stuart McCarty; Ammie Chickering, Admin. Sec. P.O. Box 21, South Butler, NY 13154-0021; (315)365-2299
Preferred method of contact: Contact me by mail. Our phone time is dedicated to business matters.
Sust. Agric. Roles: information provider, farm advocacy and support
Description of Sustainable Agriculture work: I am a newsletter editor working to provide membership with information and news pertaining to organic agriculture. As newsletter editor, I also work to increase consumer awareness and to attract and help transitional farmers.
Information resources available: We have published a wide variety of articles which need to be indexed so they may be accessed readily.

ref #:487 Organization

Natural Organic Farmers Assn. — NY
PO Box 21
South Butler NY 13154-0021

Telephone: (315)365-2299
Contact people: Ammie Chickering, Patricia Kane
Preferred method of contact: Contact by mail or phone, 9 a.m.-5 p.m., Monday-Friday, EST.
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: organic production, organic gardening, regional food system
Description of Sustainable Agriculture work: NOFA-NY is a private, non-profit educational association of consumers and organic farmers and gardeners working toward a sustainable food system in New York state. NOFA-NY publishes a bi-monthly newsletter, the "NOFA-NY News." We hold an annual two-day conference in March with workshops on organic farming and gardening, and sponsor summer and fall on-farm workshops and farm tours. We co-sponsor an annual one-day transitions conference in February for farmers interested in converting to more sustainable practices. The NOFA-NY Organic Farm Certification Program publishes production standards annually and offers independent, third-party inspection and certification. We have a speakers bureau. Member farms seek apprentices.
Information resources available: brochures, pamphlets, newsletter, meetings, public speakers, workshops

ref #:488 Organization

NOFA-NY Organic Farm Cert. Program
RD 1 Box 134 A
Port Kane NY 13833

Telephone: (607)648-5557
Contact people: Patricia Kane
Preferred method of contact: Contact by phone or mail weekdays.
Sust. Agric. Roles: educ. & organic farm certification, information provider
Information resources available: newsletter, cert. standards manual

OHIO

ref #:489 Individual

Rich & Nancy Bennett
7-740-P-3 Rt. 5
Napoleon OH 43545

Telephone: (419)748-8187
Preferred method of contact: Contact by phone evenings EST
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, soil conservation
Primary crop and livestock enterprises: cover crops, feedgrains, nonlegume forages, legume forages, small grains, hogs
Description of Sustainable Agriculture work: I am interested in use of cover crops for fertility improvement, pest & weed control, water retention and infiltration. I'm interested in feeding the crop as needed and not building up soil fertility to excessive levels. As an on-farm research cooperator for Rodale Institute, I have done extensive work with spring nitrate test kits, N values in manure, cover crops, and organic matter discharge, replicated plots of rye in cornstalks to plant soybeans in for weed control, water conservation and soil tilth.
Land Description: I have a 600-acre farm with sandy soil, low organic matter levels, high phosphorus levels, potassium leaching, and drought-type conditions in summer.

ref #:490 Individual

Thomas B. Culp
Culp Farms
2684 Fox Rd.
Lexington OH 44904

Telephone: (419)884-3982
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: farm management, soil conservation, agricultural economics
Primary crop and livestock enterprises: feedgrains, oilseeds, small grains, cover crops, sweet corn, hogs
Description of Sustainable Agriculture work: We are family farmers who are attempting to be good stewards of the gifts God provides. As a cooperator with Rodale Institute's Midwest On-farm Research Network, we conduct on-farm research and demonstration projects in nutrient management, whole farm systems, economics, soil conservation, sweet corn and pumpkins, integrated crop management techniques, variety trials and cover crops.
Land Description: rolling terrain, small fields, fencerows and woods.
Information resources available: See annual research results from Midwest Network, Rodale Institute.

ref #:491 Individual

Warren A. Dick
Ohio State University
Dept. of Agronomy
1680 Madison Avenue
Wooster OH 44691

Telephone: (216)263-3877
FAX: (216)263-3658
Preferred method of contact: Contact me by mail, fax, or telephone (during working hours).
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: nutrient management, soil biology, tillage
Primary crop and livestock enterprises: agronomic crops
Description of Sustainable Agriculture work: I am an agronomist (soil scientist) involved in researching tillage effects on nutrient availability and cycling and the effects of agricultural production systems on the environment. I study the effects of tillage and low-input agricultural systems on nutrient cycling in soils. I have worked with USDA scientists to evaluate how various cropping systems impact the biology and environmental quality of the soil to which the cropping system is applied. Recycling of organic wastes via compost produced from animal manures or municipal sludges is also investigated.
Information resources available: We have an extensive database on the effects of continuous no-tillage in Ohio on soil properties and crop yield. This includes complete weather data, a log of field activities for each year, crop yields, and various types of soil and crop data.

ref #:492 Individual

Richard C. Gerhart
Gerhart Inc.
6346 Avon Belden Rd.
North Ridgeville OH 44039

Telephone: (216)327-8056
FAX: (216)353-9457
Preferred method of contact: Contact me by telephone, business hours EST; mail or fax.
Sust. Agric. Roles: full-time farmer/rancher, supplier beneficial organisms
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, insects
Primary crop and livestock enterprises: cucurbits, tomatoes
Description of Sustainable Agriculture work: I am a supplier of beneficial insects from Koppert of Holland which are used to control a variety of pests, primarily on indoor crops or plantings. In addition to supplying beneficial insects, I also use them in my own 3-acre greenhouse to produce tomatoes, cucumbers and fresh herbs. We have also developed methods to avoid the use of fungicides. We produce vegetables using only water & fertilizers.

Land Description: My farm consists of 3 acres under glass.
Information resources available: We have factsheets available for each beneficial organism we sell.

REF. 493-496

ref #:493 Individual

Harry A.J. Hoitink
Ohio State University
Dept. Plant Pathology
OARDC/OSU
Wooster OH 44691

Telephone: (216)263-3848
FAX: (216)263-3841
Preferred method of contact: I prefer to be contacted by mail, but can be contacted in a "very limited way" by phone. My activities in composting already tie up my phone too much.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: pest management, information transfer/education, soil biology
Primary crop and livestock enterprises: ornamentals, cucurbits
Description of Sustainable Agriculture work: I am a plant pathologist/soil microbiologist working on composting and biological control of soilborne diseases of plants. I work to develop systems of composting and procedures for preparation of disease-suppressive composts. I educate students in this field of science. I am involved nationally in the education of biocontrol strategies in ornamental agriculture (nursery and floral crops) and, more recently, vegetable crops (greenhouse).
Information resources available: I can provide information on biological control of diseases with compost, and "Proceedings of First International Symposium" on composting research.

ref #:494 Individual

Christine Pratt
Rural Life Ministry
Diocese of Toledo
301 S. Main St.
Fostoria OH 44830

Telephone: (419)435-1543
Preferred method of contact: I prefer to be contacted via telephone during working hours EST.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, theology, ministry
Description of Sustainable Agriculture work: I am in a ministry to rural people. My work centers on the environment and future of rural communities. Sustainable agriculture is a way to enhance rural communities and assure the life of the soil for years to come. I give talks and workshops on ethics and values inherent in soil stewardship. I believe in the covenant call by the Creator to be stewards of creation. Sustainability of the soil and food supply and its just distribution are necessary to rural justice. I give workshops, talks and presentations, with emphasis on the ethical and moral responsibilites of caring for the earth. I have also authored several articles on the same issues for various newsletters and periodicals.
Information resources available: I have books/proceedings on sustainable agriculture, newsletters and talks/workshop materials.

ref #:495 Organization

Humane Society of the U.S.
Great Lakes Office
745 Haskins St.
Bowling Green OH 43402

Telephone: (419)352-5141
FAX: (419)354-5351
Contact people: Sandy Rowland, Don Deichman, Dr. Melanie Adcock
Preferred method of contact: I prefer to be contacted by telephone at above number during working hours EST.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am an employee of the Humane Society of the United States actively involved in supporting our organizations and the Humane Sustainable Agriculture Program. The Humane Society of the United States defines humane sustainable agriculture as producing adequate amounts of safe, wholesome food in a manner that is ecologically sound, economically viable, equitable and humane. HSA meets farm animal basic needs, both physical and behavioral for health and well-being through food and agriculture systems that respect all of nature — human, soil, water, plant and animal, wild as well as domestic.
Information resources available: We have literature which is made available through our Washington, D.C., headquarters. See their response for details.

ref #:496 Organization

Intl. Soil Tillage Research Org.
Dept. of Agronomy
1680 Madison Ave.
Wooster OH 44691

Telephone: (216)263-3877
FAX: (216)263-3658
Contact people: Warren A. Dick
Preferred method of contact: Contact us by mail, fax or telephone (during working hours).
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: tillage, soil conservation, water management
Primary crop and livestock enterprises: agronomic crops, feedgrains, small grains, oilseeds, fiber crops
Description of Sustainable Agriculture work: International Soil Tillage Research Organization's purpose is to foster interaction and information exchange among all people involved in soil tillage related disciplines. Membership is from more than 50 countries. ISTRO has individual members located around the world interested in the history of tillage, tillage practices as still

conducted in developing countries, and modern tillage practices. Members study soil, crop and environmental issues related to tillage. An international meeting is held every three years. The next meeting is in Denmark (July 30-August 3, 1994). An ISTRO-INFO newsletter is published approximately twice a year which lists the latest published information on tillage, plus items of interest to ISTRO members.
Information resources available: ISTRO has a complete list of members from around the world. I can serve as a resource person for anyone wishing to contact scientists from other countries who may have interests similar to those making the request to me.

ref #:497 Organization

Miami University
Ecology Research Center
Dept. of Zoology
Oxford OH 45056

Telephone: (513)529-6187
FAX: (513)529-6900
Contact people: Gary W. Barrett
Preferred method of contact: I wish to be contacted by phone (513-529-6187) during working hours.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: pest management, permaculture, agronomic crop production
Primary crop and livestock enterprises: agronomic crops, feedgrains, cover crops, legume cover crops
Description of Sustainable Agriculture work: I conduct investigations in sustainable agriculture at the Miami University Ecology Research Center. We presently have a USDA grant entitled "Influences of Intercropping on Arthropod Communities in Soybean Agroecosystems."
Information resources available: reprint publications, public speakers

ref #:498 Organization

Ohio Ecol. Food & Farm Assn.
65 Plymouth Street
Plymouth OH 44865

Telephone: (419)687-7665
Contact people: Holly Fackler
Sust. Agric. Roles: farm advocacy and support, information provider
Information resources available: We offer internships, meetings, public speakers, videos and workshops.

ref #:499 Organization

Ohio State Univ. Sust. Ag Program
1735 Neil Ave.
Columbus OH 43210

Telephone: (614)292-3786
FAX: (614)292-2180
Contact people: Kamyar Enshayan, Clive Edwards, Ben Stinner, Jeff Dickinson
Preferred method of contact: Contact me by phone (EST), fax or letter, whichever is preferred; or in person during business hours.
Sust. Agric. Roles: education, research & Extension
Major Areas of Sust. Agric. Expertise: information transfer/education, soil ecology research, internship
Description of Sustainable Agriculture work: I am the education coordinator for a statewide farmer-to-farmer mentoring project. I am also in charge of summer internship, farm apprenticeship and editing a newsletter.
Information resources available: We produce a newsletter, conduct winter farmer-to-farmer workshops and summer field days, and operate a summer internship program.

REF. 497-501

ref #:500 Organization

Ohio University
Dept. Environ. & Plant Biol.
Porter Hall
Athens OH 45701

Telephone: (614)698-3681
FAX: (614)698-2216
Contact people: Steve Rioch; Ivan K. Smith, Ph.D.
Preferred method of contact: Contact me by mail, or by phone or fax on weekdays from 9 a.m. to 5 p.m. EST.
Sust. Agric. Roles: teacher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, nutrient management, organic production
Primary crop and livestock enterprises: vegetables, cover crops
Description of Sustainable Agriculture work: I administer the university's intensive small-scale farming and gardening program. Ohio University's Department of Environmental and Plant Biology is developing a sustainable agriculture center for the demonstration, education and research of appropriate small-scale farming models. Currently, workshops, internships and accredited courses are offered during the spring and summer quarters with a focus on small-scale intensive farming and gardening of vegetable crops. All food raised by this program is donated to the Southeastern Ohio Foodbank.
Land Description: Alluvial floodplain soil
Information resources available: The information resource is under development and will consist of fact-sheets for interested individuals and the results of data generated by the program.

ref #:501 Organization

Stratford Ecological Center
5353 Williams Road
Ashville OH 43103

Telephone: (614)983-2487
Contact people: Jeff Dickinson, Jack & Louise Warner, David Kreger, Steve Miller, Kamyar Enshayan, Clive Edwards
Preferred method of contact: We are currently under construction. Our site phone is (614)363-2548. Fax and electronic mailing capabilities will be added in January of 1993.
Sust. Agric. Roles: information provider, farm advocacy

and support
Major Areas of Sust. Agric. Expertise: information transfer/education, ecological literacy, agroecology
Primary crop and livestock enterprises: vegetables, fruit crops, cover crops, agronomic crops, agroforestry, beef cattle, dairy cattle, chickens, sheep, wildlife
Description of Sustainable Agriculture work: We plan to provide experimental education through an integrated curriculum of ecological and agricultural literacy. We use a combined State Nature Preserve and a small sustainable agriculture demonstration farm, primarily for youth, but for all age groups, representing a number of agricultural interest groups and individuals. We will provide practical/experimental training in land stewardship and management on a diversified livestock, field crop, fruit and vegetable farm. Participants will experience firsthand the relationships between natural and managed ecosystems, including their common links in nutrient and energy cycles and the need to maintain productive, biologically diverse landscapes.
Land Description: We have a total of 326 acres south of Delaware, Ohio (20 miles north of Columbus). It includes about 70 acres of tillable land, and a 95-acre State Nature Preserve. The remainder is forest.
Information resources available: Curricula for youth programs will be implemented in 1993-94, and available for exchange in 1994. A library will be available along with a newsletter initiated in 1993. Pilot programs of field days and workshops will be conducted during the fall/winter of 1992/93. A 12-week summer internship program in sustainable agriculture will be started in 1993.

ref #:502 Organization

Stratford Ecological Center
3083 Liberty Rd.
Delaware OH 43015

Telephone: (614)983-2487
Contact people: Louise Warner; Jeff Dickinson, 2078 Farleigh Columbus OH 43221; (614)481-0820
Preferred method of contact: I can be contacted anytime by telephone EST.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: The Stratford Ecological Center is a developing educational farm/nature center. We have no programs, as yet. The Center is for primary school students.
Land Description: The Center is located on 70 acres.
Information resources available: internships, public speakers, workshops

ref #:503 Organization

Timberleaf
5569 State Street
Albany OH 45710

Telephone: (614)698-3681
FAX: (614)698-2216
Contact people: Steve Rioch
Preferred method of contact: Contact me by mail, or by phone and fax weekdays from 9 a.m. to 5 p.m. (EST).
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: nutrient management, tillage, organic production
Description of Sustainable Agriculture work: I analyze soil test data to maximize nutrient recovery for small-scale farmers and gardeners, providing written recommendations and reports.
Information resources available: brochures, pamphlets, internships, workshops

OKLAHOMA

ref #:504 Individual

Doris Bankes
Growin' Things Herb
PO Box 126
Oolagah OK 74053

Telephone: (918)443-9129
Preferred method of contact: I will return calls (collect) between 6-8 a.m. and after 9-10:30 p.m. most weekdays.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, information transfer/education, marketing
Primary crop and livestock enterprises: herbs, greenhouse or nursery, vegetables
Description of Sustainable Agriculture work: I am an herb grower who supplies fresh-cut herbs to local hotels, country clubs and restaurants weekly. I also sell to the public 250 different herbs and scented geraniums. I am available for talks on herbs and am starting a home-based business. Since there has been little written about growing herbs in the south-central U.S., I document my experiences, successes and failures. I share the knowledge with others in northeast Oklahoma.
Land Description: I grow herbs in a greenhouse and a field.
Information resources available: I have available fact-sheets on growing herbs, culinary herbs and recipes/cooking around the world.

ref #:505 Individual

Betty J. Carter
Betty's Fresh Vegetables
Rt 2 Box 44K
Poteau OK 74953

Telephone: (918)647-9743
Preferred method of contact: by telephone until 9:00 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables
Description of Sustainable Agriculture work: I am a market gardener experimenting with pest control by beneficial insects. By planting certain "weeds" that are known attractants for beneficial predator insects, I hope to control the undesirable insects without use of pesticides. My small-scale vegetable operation supplies a local market through direct sales and a farmers market which opens twice weekly for half days.
Land Description: About 4 acres devoted to diverse vegetable production. This is a high plateau, former pastureland with a fairly heavy silt loam soil.

ref #:506 Individual

Gerrit Cuperus
Oklahoma State University
127 NRC
Stillwater OK 74078

Telephone: (405)744-9419
FAX: (405)744-6039
Electronic address: GWC@OSUCC.bitnet
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: pest management, agronomic crop production, horticultural crop production-vegetables
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: I work to develop & deliver sustainable systems to agricultural producers. I work with research on cotton, alfalfa, wheat (post-harvest), livestock, peanuts & vegetables. I am the coordinator of IPM programs of the state of Oklahoma.
Information resources available: We have numerous materials on all facets.

ref #:507 Individual

Danny Davis
RR 1 Box 62
Elk City OK 73644

Telephone: (405)472-3397
Preferred method of contact: During day (405)472-3397, after hours (405)225-4203, or by mail at the above address
Sust. Agric. Roles: full-time farmer/rancher, ag chem. reduced till equip.
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, pest management
Primary crop and livestock enterprises: fiber crops, feedgrains, small grains, cover crops, forage crops, cow/calf, stocker feeder
Description of Sustainable Agriculture work: I am growing cotton and corn in rotation with wheat using strip tillage on all row-crop land. We sow several different cover crops into the growing cash crops with a shielded drill, and then graze cattle on the land in between crops. We are using strip tillage to control wind and water erosion on all of our farms. I have been doing this for nine years and am very happy with this. We are able to use the land for cotton, corn, beans and forage production during the summer months; then we interseed small grains or legume cover crops into the summer crops and run cattle through the winter. We then kill the cover crops and strip-till using subsurface binding of all fertilizers, thus stopping run-off pollution.
Land Description: Nearly all our land is very sandy and highly prone to wash and blow. Most of it is sloping land and is terraced. It is low in organic matter, and has been continuously row-cropped since it was first broken-out.
Information resources available: I have brochures on

equipment we use and sell. From time to time we have field tours where we dig pits and show different compaction zones in conventional tillage, compared with in-row, subsoiling, strip tillage.

REF. 508-511

ref #:508 Individual

Walt Davis
Davis Ranch
Rt 2 Box 147
Bennington OK 74723

Telephone: (405)847-2384
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: holistic management, information transfer/education, livestock production
Primary crop and livestock enterprises: nonlegume forages, legume forages, nuts, beef cattle, goats-meat, goats-hair, sheep
Description of Sustainable Agriculture work: I am a rancher and management consultant attempting to utilize holistic management on my and my clients' operations. The substitution of innovative management and use of ecological principles for large capital and technology inputs is basic to this attempt. Davis Ranch is a family cow-calf and stocker operation that has made the transition from a capital- and technology-intensive program to a more sustainable operation with less financial and ecological risk. Grazing management, forage legumes, multi-species pastures and financial mgmt. are some of the mgmt. practices that have helped us to reduce our cost per pound of beef produced without reducing production. Walt Davis offers a mgmt. consultant service and has over 30 years experience in ranch mgmt. This experience was gained in a wide range of areas and types of operations from humid, tame-grass pastures to arid, low-capacity ranges.
Land Description: Davis Ranch is a tame-pasture operation with emphasis on forage legumes. Most of the area is old, cultivated ground that has been converted to pasture. The long-term goal is to develop a productive and stable grassland capable of producing quality grazing year-round. About 80 percent of the land is flat river bottom with the balance rolling hill. Soils range from heavy clays to sugar sand.

ref #:509 Individual

Chet DeWald
USDA-ARS
2000 18th Street
Woodward OK 73801

Telephone: (405)256-7449
FAX: (405)256-1322
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production
Primary crop and livestock enterprises: forage crops, beef cattle, hogs
Description of Sustainable Agriculture work: I am an agronomist involved in grass breeding and plant improvement. I am a research agronomist researching germplasm enhancement to complement and conserve Southern Plains range ecosystems. I am working on Eastern gama grass (*Tripsacum* spp.), Texas bluegrass (*Poa archnifera*), big and sand bluestem (*Andropogon gerardi*), and old world bluestems (*Bothriochloa ischaemum*).
Land Description: I conduct work at a 900-acre research site at Woodward, Okla., and a 4,400-acre experimental range site near Ft. Supply, Okla. — the USDA-Southern Plains Range Research Station.
Information resources available: field days, meetings, slides

ref #:510 Individual

George L. Kuepper
GAIA Consulting & Services
PO Box 1655, #4 Kim Circle,
Woodcrest Academy Estates
Edmond OK 73083-1655

Telephone: (405)282-2086
Preferred method of contact: I prefer contact by mail or phone, from 9 a.m. to 9 p.m., Tuesday through Saturday, CST.
Sust. Agric. Roles: information provider, teacher
Major Areas of Sust. Agric. Expertise: biodynamics, horticultural crop production-vegetables, horticultural crop production-fruits
Primary crop and livestock enterprises: sweet sorghum, small fruits, cover crops, vegetables, feedgrains
Description of Sustainable Agriculture work: I am a formally trained agronomist investigating radionics, homeopathy and biodynamics applied to agriculture. I also work with small horticultural farms, providing consultation services and on-farm research in sustainable farming. I develop educational literature, articles and teaching materials on radionics and homeopathy, in addition to providing classes, tutoring, analyses and one-on-one consultation in these areas. Limited research is also under way. I also provide consulting services in sustainable horticulture to farmers and organizations. My services include providing information, proposal development, article preparation and educational program coordination.
Information resources available: Factsheets and reprinted articles are currently available on radionics and homeopathy. Workshops are offered several times annually in Oklahoma and Arkansas. Further workshops may be developed by request.

ref #:511 Individual

Sand Mueller
University Center of Tulsa
700 N. Greenwood
Tulsa OK 74106

Telephone: (918)592-9641
Preferred method of contact: I am hard to contact. Please leave messages at (918)586-0714, from 8 a.m. to 5 p.m., Monday through Friday.

Sust. Agric. Roles: teacher, groundskeeper univ. campus
Major Areas of Sust. Agric. Expertise: information transfer/education, permaculture, soil biology
Primary crop and livestock enterprises: greenhouse or nursery, turf, ornamentals, cut flowers, small grains, chickens, hogs, rabbits
Description of Sustainable Agriculture work: I do a lot of composting, maintain immaculate grounds without chemicals, and grow bedding plants with zero-energy greenhouse. I have been composting manures for nearly 20 years. Much of my work has been in greenhouses. Now I am responsible for a 70-acre campus with turf, trees, shrubs and flower beds installed three years ago in some of the worst compacted clay I have ever seen. It may take me another 20 years of composting just to mellow this soil. I use no chemicals on the ground and I like to talk about it.
Land Description: I work on a 70-acre urban tract of university campus. Eighty percent of it was previously damaged. It has moderate to steep slopes which are cut with buildings and roadways.
Information resources available: meetings, public speakers, demonstrations

ref #:512 Individual

Debbie S. Pleu
Earthly Goods Farm & Garden Supply
PO Box 4164
Tulsa OK 74159

Telephone: (918)583-1990
Preferred method of contact: I can be reached by phone during working hours or early evening (until 9 p.m.), from Monday through Saturday, CST. Callers can also leave messages on my answering machine.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: organic production, pest management, soil management
Primary crop and livestock enterprises: vegetables
Description of Sustainable Agriculture work: My business is targeted to the organic gardener, grower, farmer and rancher who needs fertilizers, pesticides and books on organic food production. Besides selling the supplies, I practice backyard organic gardening. I utilize several types of gardening styles (raised beds, blocks, mixed ornamental and vegetable beds), cover crops, beneficial insects and herbs. I designed an organic lawn care program that I have put into a brochure. I sell surplus veggies and fruits at a local farmers market. I speak to area groups at such events as farm field days, and teach a class, etc.
Information resources available: I have a brochure on organic lawn care and another on organic fertilizers for the home and garden. I also have factsheets on most of the fertilizers I sell.

ref #:513 Individual

Alvin Ratzlaff
Ratzlaff Inc.
Rt 1 Box 37
Fairview OK 73737

Telephone: (405)227-3183
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: organic production, nutrient management, soil conservation
Primary crop and livestock enterprises: small grains, legume cover crops
Description of Sustainable Agriculture work: I am providing pure food grains & designing more efficient equipment to do it. I grow certified organic wheat, mungbeans, cowpeas, etc. I am maintaining the soil with green manure crops, manure and biologicals. I have received both state and local soil conservation awards. I believe soil conservation must begin in the soil.
Land Description: My farm has varying soil types, from sand to clay.
Information resources available: workshops

REF. 512-515

ref #:514 Individual

L. D. Roller
Dancing Bass Lake & Ranch
Rt 2 Box 74C
Wister OK 74966

Telephone: (918)655-3207
Sust. Agric. Roles: part-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: livestock production, soil conservation, water management
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: I am very knowledgeable on flood-control structures and their potential for intensive sustainable agriculture practices. I have designed a control for use on flood-control structures to support high-intensity fruit and vegetable production, fish pond/cage production & greenhouse operation, and power generation. All are interrelated to provide a complete biological/nutrient cycle.
Land Description: My ranch consists of grassland and timberland, most of which is rolling hills with very little bottomland. There are 234 acres, and we lease 80 acres. We have an 18-acre flood control lake and are planning an extensive fruit-vegetable-fish operation.

ref #:515 Individual

Ron Wood
Rt 3 Box 638
Checotah OK 74426

Telephone: (918)474-3275
Preferred method of contact: mail or phone anytime
Sust. Agric. Roles: full-time farmer/rancher, appropriate technology consultant
Major Areas of Sust. Agric. Expertise: livestock production, energy wind/solar
Primary crop and livestock enterprises: beef cattle, beekeeping
Description of Sustainable Agriculture work: I am a rancher involved in the theory, design and construction of appropriate technology applicable to the homestead at large. I designed and built my home incorporating several low-input features including a composting toilet, solar heating and a novel floor design. I work with the Kerr Center to incorporate the practices of sustainable agricul-

ture into my ranching operation and home garden.
Land Description: My farm is 300 acres in transition from a traditional family farm to sustainable beef production.
Information resources available: I will consult on low-cost construction, especially composting toilets and flooring. I will also consult on applications of wind and solar energy.

ref #:516 Organization

A New Leaf Inc.
2306 S. 1st PL
Broken Arrow OK 74012

Telephone: (918)451-1491
Contact people: Tina M. Lynn, Jackie Deatherage
Preferred method of contact: Contact me at above number between 7:30-4:30, Monday through Friday, CST.
Sust. Agric. Roles: supply &/or service provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, pest management, organic production
Primary crop and livestock enterprises: greenhouse or nursery, herbs, vegetables
Information resources available: brochures, pamphlets, film, slides

ref #:517 Organization

FORGE
Rt 6 Box 134-1
Tahlequah OK 74464

Telephone: (918)456-1615
Electronic address: HN1594
Contact people: Sue Floyd
Preferred method of contact: Please contact by e-mail, U.S. mail or phone (answering machine available).
Sust. Agric. Roles: community loan fund, supply &/or service provider
Major Areas of Sust. Agric. Expertise: loans for sustainable ag, agricultural economics, farm management
Description of Sustainable Agriculture work: FORGE provides loans to sustainable agriculture projects and related rural businesses in the Ozark Mountain region of Arkansas, Oklahoma and Missouri.
Information resources available: brochures, pamphlets, newsletter, field days, public speakers, workshops

ref #:518 Organization

Kerr Center for Sust. Ag
PO Box 588
Poteau OK 74953

Telephone: (918)647-9123
FAX: (918)647-8712
Contact people: Heidi Carter, Jim Horne, Alan Ware
Preferred method of contact: Please write, or call and fax your questions to KCSA on weekdays between 8 a.m. and 5 p.m. CST.
Sust. Agric. Roles: information provider, Extension worker
Major Areas of Sust. Agric. Expertise: livestock production, information transfer/education, farm management
Primary crop and livestock enterprises: agroforestry, Christmas trees, mushrooms, sugar crops, feedgrains, beef cattle, sheep, chicken, goats-meat, hogs
Description of Sustainable Agriculture work: KCSA is developing livestock and forage systems, demonstrating sustainable agriculture practices on a small-scale farm, providing farmer consultation services, and supplying educational materials. At KCSA we are developing Rock Creek Farm and Dean Farm to accomplish a major part of our teaching and educational goals. Rock Creek Farm is a 45-acre diversified farm. The enterprises include free-range layers, grass-fed beef, lamb and hogs, and horticultural crops. The main focus of the 2,500-acre Dean Farm is running a crossbred, cow-calf herd. To increase profitability and sustainability, we are integrating agroforestry sites. Our multispecies grazing projects use cattle, sheep and goats. The on-farm consultation program provides technical assistance, writes plans and sets up trials. The education program transfers information in a variety of ways, including a free, monthly newsletter, publishing educational materials, holding tours and sponsoring events.
Land Description: KCSA has 4,150 acres of uplands, bottomlands, woodlands and lakes. Most of the 2,530 acres of pasture are established on a mixture of tall fescue, bermudagrass and clovers. However, there may be as many as 20 to 106 plant species in these pastures. The tree families with the most species are oak, walnut and hickory.
Information resources available: The KCSA information order form describes the brochures, directories, reprints, reports and information packets we have available. The KCSA Newsletter is free and published monthly.

ref #:519 Organization

Langston Univ. Ag. Res.
PO Box 730
Langston OK 73050

Telephone: (405)466-3836
FAX: (405)466-3138
Contact people: Ken Williams
Preferred method of contact: Contact me by telephone from 8 a.m. to 5 p.m., or by mail.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: aquaculture, water management
Primary crop and livestock enterprises: warm-water aquaculture
Description of Sustainable Agriculture work: I am involved with research and Extension in aquatic crop production-fish culture. I am interested in integration of aquaculture into sustainable farming units. My work entails aquaculture research and Extension.
Information resources available: We have available factsheets, workshops and field days all related to aquacultural production topics.

ref #:520 Organization

Okla. Dept. of Agriculture
Plant Industry & Consumer Services
2800 N. Lincoln Blvd.
Oklahoma City OK 73105

Telephone: (405)521-3864
FAX: (405)521-4912
Contact people: Stephen A. Kendall
Sust. Agric. Roles: gov't. policy administration, gov't. policy development
Major Areas of Sust. Agric. Expertise: organic production, pest management, information transfer/education
Description of Sustainable Agriculture work: I am the program manager for the Organic Food Act in Oklahoma. As the administrator for the Organic Food Act, I am responsible for the development of the program and materials, for providing industry with interpretations and guidelines, and for enforcing the provisions of the statute.
Information resources available: We have information packets available for applicants seeking certification under the Organic Food Act.

ref #:521 Organization

Samuel Roberts Noble Found. Inc.
PO Box 2180
Ardmore OK 73402

Telephone: (405)223-5810
FAX: (405)221-7362
Contact people: George Hedger, Mr. Charles Griffith, Mr. R. L. Dalrymple
Preferred method of contact: Contact us by phone or fax from 7 a.m. to 5:30 p.m. CST.
Sust. Agric. Roles: education and research, information provider
Major Areas of Sust. Agric. Expertise: soil management, farm management, livestock production
Primary crop and livestock enterprises: agronomic crops, small grains, forage crops, legume forages, nuts, beef cattle, wildlife
Description of Sustainable Agriculture work: We operate a ranch using controlled grazing (rotational) to effect change in species composition of our paddocks, improve soil conditions, and improve carrying capacity, with minimal or limited purchased inputs. We are tracking and documenting on an annual basis the changes occurring on our ranch through controlled rotational grazing, intensive stocking rates and established rest periods. The economic benefits are also studied and established based on our inputs, such as power electric fencing to establish multi-paddocks, intensive grazing to influence undesirable forage, feeding hay in areas of poor soil, etc. Measurements and documentation include forage yields, grazing days/A, animal gains, photographs from prescribed points, annual surveys of species composition and charting of these changes, and documenting carrying capacity annually.
Land Description: Our ranches and farms are diverse. One is deep sandy to sandy loam soil along a major river and has substantial acreage of bottomland and substantially upland hills. Other ranches are mostly shallow upland, with terrain rolling to hilly. Soils are very shallow. Most of the farms/ranches are best suited to grass production.
Information resources available: We periodically conduct field days and/or field tours of our sustainable ranch. We publish proceedings of the information given at these field days.

OREGON

REF. 522-525

ref #:522 Individual

Gabor J. Bethlenfalvay
USDA-ARS
3420 NW Orchard Ave.
Corvallis OR 97330

Telephone: (503)750-8785
FAX: (503)750-8764
Preferred method of contact: Telephone me during working hours from 9 a.m. to 6 p.m. PST.
Sust. Agric. Roles: researcher, gov't. policy development
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, soil biology
Primary crop and livestock enterprises: oilseeds, legume forages, legume vegetables, root vegetables
Description of Sustainable Agriculture work: I am a plant physiologist researching symbiotic interactions between plants and beneficial soil microorganisms. As a biologist, I work on nutrient transfer mediated by mycorrhizal fungi between plants and soil. Plant productivity and soil structure formation are equally affected by this symbiotic process. The interactions between photosynthesis, nitrogen fixation and phosphorus uptake in soybean and corn are focal points of this work.
Information resources available: books

ref #:523 Individual

Lynn S. Coody
Organic Agsystems Consulting
1241 Jefferson St.
Cottage Grove OR 97424

Telephone: (503)942-7717
FAX: (503)942-7717
Preferred method of contact: I prefer to be contacted by telephone between the hours of 8 a.m and 4 p.m. PST.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, farm management
Primary crop and livestock enterprises: vegetables, fruit crops
Description of Sustainable Agriculture work: I am a horticultural consultant providing technical services to organic farmers and to policymakers who are developing state and national regulations for organics. As an independent organic horticultural consultant, I provide technical assistance to organic farmers on: farm systems planning, soil fertility, crop monitoring, organic pest management and on-farm research assistance. I am currently working on a major project with funding from the USDA, to develop a system for evaluating the materials used by the organic foods industry. As a result, I am called upon to provide information about regulating organic materials to state and local regulatory agencies.
Information resources available: Besides custom written reports, I run a "Science for Farmers Service," in which I supply annotated articles from technical journals to producers of specific crops.

ref #:524 Individual

Daniel Green-McGrath
Oregon State Univ. Ext. Serv.
3180 Center St. NE, Rm. 160
Salem OR 97301

Telephone: (503)588-5301
FAX: (503)364-6552
Electronic address: mcgrathd@mari.uucp
Contact people: Dr. John M. Luna, Hort. Dept., on-farm research coordinator
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: pest management, soil management, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, cover crops, onions and related crops, cole crops
Description of Sustainable Agriculture work: I am a research and Extension agent conducting applied research; facilitating farmer-managed research; and coordinating educational programs on soil quality, integrated pest management, biological control and agricultural ecology. My primary crop responsibilities are onions, garlic and processed vegetables (including sweet corn, snap beans, peas, squash, potatoes, broccoli, cauliflower, carrots and beets). I am facilitating the formation of soil quality improvement clubs for research and Extension of cover crop and conservation tillage strategies.
Land Description: Our research site is located at Willamette Valley Farms and Agricultural Research Stations.
Information resources available: We have a world of useful information most applicable to the Pacific Northwest. I will help you to access it. This information includes print materials such as brochures and pamphlets, books, bulletins, factsheets and monographs, a lending library, newsletter and conference proceedings. Nonprinted materials include electronic materials, field days, meetings, slides and workshops.

ref #:525 Individual

Wesley M. Jarrell
Oregon Graduate Institute
Envir. Science & Engineering
19600 NW Von Neumann Dr.
Beaverton OR 97006-1949

Telephone: (503)690-1183
FAX: (503)690-1273
Electronic address: wjarrell@ogi.ese.edu
Contact people: Dr. Mary Abrams

Preferred method of contact: Call me at above number, from 8 a.m. to 6 p.m. PST, or at (503)643-7158 any other time.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil management, water management, organic production
Primary crop and livestock enterprises: agroforestry, cover crops, ornamentals, vegetables, nonfruit nursery
Description of Sustainable Agriculture work: I am a soil/plant scientist concerned with applying basic understanding of water and elemental cycles to establish and maintain productive, sustainable agroecosystems. I have examined use of recycled organic materials and improved irrigation techniques on crop plant growth. Also, I use lessons which I learned with native vegetation/ecoystems, particularly semi-arid and desert systems, to model water and nutrient efficient agroecosystems.
Land Description: My farm sites are in western Oregon and in Antelope/John Day Basin in eastern Oklahoma.

ref #:526 Individual

Russell S. Karow
Oregon State University
Crop Science Dept.
Room 131
Corvallis OR 97331-3002

Telephone: (503)737-5857
FAX: (503)737-1589
Preferred method of contact: I prefer written or phone contact during working hours, PST (503)737-5857.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, information transfer/education
Primary crop and livestock enterprises: small grains, feedgrains, nonlegume cover crops, oilseeds
Description of Sustainable Agriculture work: I am an agonomist researching the effects of cereal cover crops in row crop rotations. I also work with variable field management for reduction of fertilizer and pesticide inputs in cereal production. I provide information through the Extension service in Oregon.
Information resources available: We have printed material on alternate crops, conservation tillage practices, fertilizer management, cover crops.

ref #:527 Individual

Robert G. Linderman
USDA-ARS
Hort. Crops Res. Laboratory
3420 NW Orchard Ave.
Corvallis OR 97330

Telephone: (503)750-8760
FAX: (503)750-8764
Preferred method of contact: Contact me by phone or fax.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: diseases, soil biology, horticulture crops-nursery
Primary crop and livestock enterprises: ornamentals, greenhouse or nursery, nonfruit nursery, small fruits
Description of Sustainable Agriculture work: I am a research plant pathologist studying root diseases, biological control, and mycorrhizae of horticultural crops. I conduct research on beneficial microorganisms, including mycorrhizal fungi and rhizobacteria, with the objective of learning how to manage these microbes to reduce the need for high levels of fertilizers and pesticides to grow crops safely and economically.

ref #:528 Individual

John M. Luna
Oregon State University
4143 Ag & Life Science Bldg.
Dept of Horticulture
Corvallis OR 97331

Telephone: (503)737-5471
FAX: (503)737-3479
Preferred method of contact: I prefer to be contacted by telephone during working hours PST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: integrated farming systems, insects, horticultural crop production-vegetables
Primary crop and livestock enterprises: cover crops, vegetables, sweet corn
Description of Sustainable Agriculture work: I am the Sustainable Agriculture On-farm Research Coordinator for Oregon State University. My work involves facilitating a Participatory On-farm Research Program for integrated vegetable production systems in the Maritime Pacific Northwest. Collaborative participation of innovative growers and agribusiness representatives with an interdisciplinary team of Extension and university researchers is fundamental to the implementation of this project. Our work focuses on the practical integration of cover crops, crop rotation, conservation tillage and biological pest management strategies into economically, environmentally and socially viable systems.

ref #:529 Individual

Harry MacCormack
Sunbow Farm
6910 SW Plymouth Drive
Corvallis OR 97333

Telephone: (503)929-5782
FAX: (503)929-6743
Preferred method of contact: I prefer to be contacted by telephone or by mail.
Sust. Agric. Roles: part-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, soil management
Primary crop and livestock enterprises: vegetables, cover crops
Description of Sustainable Agriculture work: I am an organic market gardener with more than 20 years of experience helping other growers to switch to organic

REF.
530-
533

practices. At Sunbow Farm, we grow 25 or more vegetable crops, more than a dozen herb crops, and a small orchard. We have pioneered in green manuring and cover-cropping for this climate. We market from the farm, through three weekly farmers markets, to several stores, and to one organic wholesaler. I wrote the "Standards and Guidelines for Organic Agriculture in Oregon," and am the co-author of "The Transition Document."
Land Description: We have 15 acres. It is flat (more or less) land in the Willamette Valley with silt loam over clay soil. The city limit of a small town borders one side. Ryegrass fields surround the other three.
Information resources available: Sunbow Farm trains apprentices, many of whom have started their own farms with the experience. I am available as a speaker on many subjects, and the farm does have brochures available.

ref #:530 Individual

Helene Murray
Oregon State University
Dept. of Crop & Soil Sciences
Ag & Life Science Bldg., Rm. 3017
Corvallis OR 97331-7306

Telephone: (503)737-5731
FAX: (503)737-5725
Preferred method of contact: Phone, e-mail or fax messages are fine. My office phone has "voice mail."
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: case studies, information transfer/education, cover crops
Primary crop and livestock enterprises: cover crops, vegetables, small fruits, legume cover crops, nonlegume cover crops
Description of Sustainable Agriculture work: I am interested in looking at ways to incorporate farmer knowledge into development, implementation and evaluation of research and Extension programs. I also work on research projects involving cover crops and living mulches.
Land Description: I work on interdisciplinary cover cropping research plots on farmers fields and at Oregon State University research stations.
Information resources available: The "PNW Sustainable Agriculture" newsletter is published quarterly and is available free. The "Farming for Profit & Stewardship" conferences and workshops are held annually (usually in early March). Two short Extension publications will be available in late 1992 on conducting "Farmer-Scientist Focus Sessions" and "Whole Farm Case Studies."

ref #:531 Individual

Diana Lee Tracy
ANTECH
501 NE Thompson Mill Road
Corbett OR 97019

Telephone: (503)695-2135
FAX: (503)695-2135
Preferred method of contact: Contact me by telephone from 9 a.m. to 5 p.m. PST. For emergencies, contact me weekends and evenings at the same number above.
Sust. Agric. Roles: analytical lab, consultant
Major Areas of Sust. Agric. Expertise: pesticide residues, soil management, organic production
Description of Sustainable Agriculture work: ANTECH is a full-service analytical laboratory providing technical services and information to all facets of the food & agriculture industries. ANTECH works closely with several organic certifying organizations. We understand the organic/sustainable viewpoint. We work with our clients to provide timely and useful information on crops and inputs. Nutrient analysis, pesticide residues and other services are available for crops, soils, waters.
Information resources available: catalog brochures, pamphlets, newsletter, public speakers, workshops

ref #:532 Organization

ARABLE
715 Lincoln St.
Eugene OR 97401

Telephone: (503)485-7630
Contact people: Hilary Anthony
Preferred method of contact: Contact me by telephone (Pacific Time) at above number, or mail.
Sust. Agric. Roles: finance, farm advocacy and support
Major Areas of Sust. Agric. Expertise: finance, record keeping and budgets, information transfer/education
Description of Sustainable Agriculture work: ARABLE supports sustainable agriculture by providing low-interest loans to farmers and food businesses involved in sustainable agriculture. In addition to making loans, ARABLE provides technical assistance in financial recordkeeping and referrals for assistance in marketing and other management issues. ARABLE also promotes educational programs to inform the public of how and why to support sustainable agriculture.
Information resources available: brochures, pamphlets, newsletter, field days, meetings, public speakers

ref #:533 Organization

Here & Now Garden
PO Box 6
Gales Creek OR 97117

Telephone: (503)357-5774
FAX: (503)357-3858
Contact people: Paul Sansone
Sust. Agric. Roles: full-time farmer/rancher, consultant
Major Areas of Sust. Agric. Expertise: horticultural crop production-flowers, organic production, biodynamics
Primary crop and livestock enterprises: cut flowers
Description of Sustainable Agriculture work: We are a commercial cut-flower producer utilizing biodynamic French-intensive methods of production. Here and Now Garden produces commercial cut flowers for the wholesale market, utilizing biodynamic growing methods in our Demeter-certified operation.
Land Description: We farm on 30-plus acres of sandy loam soil.
Information resources available: We provide consultation, public speakers and internships.

ref #:534 Organization

Northwest Botanicals Inc.
1305 Vista Drive
Grants Pass OR 97527

Telephone: (503)476-5588
FAX: (503)476-1823
Electronic address: AOL/DrRam
Contact people: Richard Alan Miller, Chavis Eastman
Major Areas of Sust. Agric. Expertise: marketing, agricultural economics, agronomic crop production
Primary crop and livestock enterprises: forestry, ornamentals, agronomic crops, mushrooms, oilseeds
Description of Sustainable Agriculture work: I market domestic production of botanicals to the international herb and spice trade. I am a consultant with 14 books in print. I have several manufactured items. I market and broker herbs and spices to the foods, drugs, cosmetic and dried floral trades. I have available: a national newsletter and technical support (including three books), foraging network and BBS for farmers in North America, export level and quantities.
Information resources available: We have printed information, books and a national newsletter on all aspects of herb and spice farming, processing and marketing.

ref #:535 Organization

Oregon State University
Hort. Dept.
2042 Cordley
Corvallis OR 97331

Telephone: (503)737-5441
FAX: (503)737-3479
Contact people: Ray D. William, Richard Dick, Daniel McGrath, John M. Luna
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, weeds
Primary crop and livestock enterprises: cover crops, vegetables, fruit crops, agroforestry, ornamentals
Description of Sustainable Agriculture work: I am co-learner/facilitator of lifelong learning, using systems inquiry/problem-solving, participatory research, FSR/E, and focus session models combined with on-farm inquiry with expertise in weed control and vegetation management, including living mulches, cover crops, alley cropping and multiple/intercropping systems.
Information resources available: brochures, pamphlets, factsheets, monographs, newsletters, meetings, slides, public speakers

ref #:536 Organization

Oregon State University
Forest Science
Corvallis OR 97330

Telephone: (503)737-6081
FAX: (503)737-2668
Contact people: Steven Radosevich, Mary Lynn Roush
Preferred method of contact: by telephone or fax
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: weeds, forestry, pest management
Primary crop and livestock enterprises: agronomic crops, small grains, forestry, agroforestry, pome fruits
Description of Sustainable Agriculture work: I am a scientist studying the interface of biological, social and economic disciplines in agriculture. I am a director of the sustainable forestry program at OSU. I also conduct research on sustainable ag and forestry systems using models, remote sensory and GIS.
Land Description: Our research site consists of diverse western Oregon forests and agricultural land.
Information resources available: periodicals, proceedings, meetings, workshops

ref #:537 Organization

Oregon Tilth
Research and Education Dept.
31615 Fern Road
Philomath OR 97370

Telephone: (503)929-6742
FAX: (503)929-6743
Contact people: Harry MacCormack; Yvonne Frost, certif. dir.; Bella Wren, advertis./Office
Preferred method of contact: Contact the research & education department by phone or fax. The certification Office can also be contacted by phone at (503)692-4877, or fax at (503)691-2514.
Sust. Agric. Roles: research & education on organics, certifier for organics
Major Areas of Sust. Agric. Expertise: information transfer/education, organic certifier
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: Oregon Tilth is a non-profit educational and research organization which focuses on organic and sustainable agriculture. Our research and education office publishes a monthly newspaper, "In Good Tilth." We are also the state certifiers for organic produce.
Information resources available: brochures, pamphlets, books, bulletins, field days, internships, meetings

ref #:538 Organization

Oregon Tilth (Res. and Educ.)
31615 Fern Rd.
Philomath OR 97370

Telephone: (503)929-6742
FAX: (503)929-6743
Contact people: Harry MacCormack, Yvonne Frost, Bella Wren
Preferred method of contact: I prefer to be contacted via telephone or fax, Pacific Time Zone.
Sust. Agric. Roles: information provider, certification
Major Areas of Sust. Agric. Expertise: information transfer/education, certification, organic production
Primary crop and livestock enterprises: vegetables, fruit crops, cover crops, forestry, agronomic crops, beef

cattle, sheep
Description of Sustainable Agriculture work: Oregon Tilth is an education, research and certification association dedicated to advancing organic farming and gardening techniques as the means to a sustainable future. Oregon Tilth Sust. Ag Research has focused on 1) developing an on-farm research program in conjunction with Ore. State Univ., 2) sociological-economic agronomic surveys in the Maritime region, 3) development of a critical tool for assessing sustainability, 4) development of critical tools for assessing materials allowed in organic systems, 5) soil residue audits, 6) development of workable standards and guidelines by which to judge farms, processors, packers, etc. involved with organic production.
Land Description: Oregon Tilth works with 175 to 200 farms, each of which is encouraged to be a demonstration and research base. We have granted research funds to five-20 operations for individual small-farm research and will be monitoring hundreds of acres of cover crop experiments from 1992-93.
Information resources available: 1. Complete packet on certification, 2. "The Transition Document," 3. Directory of Certified Farms in Oregon, 4. "In Good Tilth": monthly newspaper focused on sustainable ag in the Northwest, 5. potato farming video (due out in 1992), 6. spray-drift audio tapes (from conference)

REF. 539

ref #:539 Organization

Small Farmer's Journal
PO Box 2805
Eugene OR 97402

Telephone: (503)683-6486
Contact people: Lynn Miller, Chris Ragan, Susanne Isom, Mary Ann Hadlock
Preferred method of contact: I prefer to be contacted by mail at: PO Box 1627, Sisters OR 97759
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: animal power
Description of Sustainable Agriculture work: I publish a quarterly magazine for small family farms featuring animal, particularly horse, power. Fulfilling. Humbling. Essential. Exhausting. Insignificant. Manure value of humor may be the only reason our efforts grow in scope.
Information resources available: books, newsletter, periodicals

PENNSYLVANIA

ref #:540 Individual

Greg Bowman
The New Farm
222 Main St.
Emmaus PA 18098

Telephone: (215)967-8108
FAX: (215)967-8959
Contact people: Bob Hofstetter, (215)967-8498; Mike Brusko, (215)967-8497; Craig Cramer, (215)967-8995; Christopher Shirley, (215)967-8116
Preferred method of contact: I prefer to be contacted by fax or phone during business hours, EST. An additional contact, other than those listed above, is Karen Cicero (215)967-8944.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, sustainable farm systems, organic production
Description of Sustainable Agriculture work: "The New Farm" is dedicated to putting people, profit and biological permanence back into farming by giving farmers information they need. Central themes are crop rotation, cover crops, pest management with few or no chemicals, nutrient cycling, healthy soil, value-added marketing, controlled grazing, and crop diversification. New Farm magazine editors visit farms and work with sustainable farming groups to deliver farmer-centered information. In seven issues per year, stories by and about farmers introduce innovative concepts and describe how to implement systems, tools and management techniques. Focus is on practical application and critical evaluation of methods that lead to more regenerative farms, ones where soil, water and biological and human resources are well cared for. Editors work with a broad range of ag researchers, farm advocacy groups and public interest organizations. Columns bring a diversity of voices on farm-policy issues. The New Farm Library markets related books and research reports.
Information resources available: The New Farm Library sells books, pamphlets and videos on a wide range of sustainable farming issues, from cover crops to composting, and controlling weeds without chemicals to cutting costs.

ref #:541 Individual

Timothy Bowser
Pennsylvania Assn. of Sust. Ag
PO Box 316
118 W. Main St.
Millheim PA 16854

Telephone: (814)349-9856
FAX: (814)865-3745
Electronic address: BV6@PSUVM
Preferred method of contact: I maintain two offices, one at PASA from Monday through Wednesday, and the other at Penn State from Thursday through Friday at (814)863-0617. Call either place between 9 a.m. and 6 p.m. EST.
Sust. Agric. Roles: farm advocacy and support, Extension worker
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, horticultural crop production-vegetables
Description of Sustainable Agriculture work: I am the director of the Pennsylvania Association for Sustainable Agriculture, a non-profit organization whose charge is promoting sustainable agricultural production that balances environmental concerns, community well-being and economic viability among all sectors of the public, including generations to come. I have been a sustainable ag organizer, Extension worker, and part-time organic market gardener in Pennsylvania for the past 10 years. Through my work at Penn State, I have initiated experimental courses, seminar series, newsletters and a student farm dealing with sustainable ag. Utilizing various networks of farmers, Extension agents, SCS staff and sustainable ag organizations I helped to found, I am coordinating on-farm demonstration work in a cooperative program between PASA and AFT.
Information resources available: We held a statewide annual conference which was attended by more than 500 people in 1992. We will be holding a series of farm field days to highlight our on-farm demonstration work. We have a member newsletter that provides networking, information exchange and organizational updates. We hold periodic workshops and educational meetings.

ref #:542 Individual

Donald L. Brechbill
8417 Edenville-Cheesetown Rd.
Chambersburg PA 17201

Telephone: (717)369-5185
Preferred method of contact: I would prefer to be contacted by telephone from 9 a.m. to 9 p.m. EST, or by mail.
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: livestock production, agronomic crop production, weeds
Primary crop and livestock enterprises: agronomic crops, feedgrains, oilseeds, cover crops, vegetables, dairy cattle
Description of Sustainable Agriculture work: I am a dairyman experimenting with intensive grazing, crop rotations, mechanical weed control, natural fertilizers and organic vegetable production. As a dairyman I raise feed crops of alfalfa, corn and barley. I raise a cash crop of beans and 1 acre of sweet corn. I also sow cover crops of red clover and rye.
Land Description: I farm 120 acres of slightly rolling land in the Appalachian foothills. We have gravel, loam and shale soils with a clay subsoil.

ref #:543 Individual

Cary Oshins
Rodale Institute Research Center
611 Siegfriedale Rd.
Kutztown PA 19530

Telephone: (215)683-1415
FAX: (215)683-8548
Preferred method of contact: Contact me anyway you can.
Sust. Agric. Roles: researcher
Major Areas of Sust. Agric. Expertise: composting, information transfer/education
Description of Sustainable Agriculture work: I am researching and promoting appropriate on-farm composting of on- and off-farm resources. I work with farmers, municipalities and other interests to research and promote on-farm composting. Projects include direct application of leaves and grass to soil, co-composting leaves with manures, and composting manures with a variety of amendments. I am also involved in streamlining state policies to make them more farmer-friendly, while retaining appropriate environmental safeguards.
Information resources available: factsheets, monographs, periodicals, field days, internships, workshops

ref #:544 Individual

Leon Weber
Rodale Institute Research Center
611 Siegfriedale Rd.
Kutztown PA 19530

Telephone: (215)683-1401
FAX: (215)683-8548
Preferred method of contact: Via telephone or fax.
Major Areas of Sust. Agric. Expertise: on-farm research, grain amaranth
Primary crop and livestock enterprises: agronomic crops, cover crops, vegetables, grain amaranth
Description of Sustainable Agriculture work: I am the coordinator for farmer cooperators conducting on-farm research and demonstrations with farmers in southeastern Pa., southern N.J., and northern Del. and Md. I work with farmers evaluating new techniques such as composting, use of cover crops, reducing the use of chemicals, intensive grazing, etc. Farmers share what they have learned through field days and participating in workshops.
Information resources available: On farm research: See Rodale Institute (organization) for listing of publications. Grain Amaranth: We have listing of information sources and publications for grain amaranth.

ref #:545 Individual

Roger H. Wentling
PO Box 543
Saylorsburg PA 18353

Telephone: (717)992-7110
Preferred method of contact: I prefer to be contacted via telephone at home after 6:30 p.m. EST.
Sust. Agric. Roles: supply &/or service provider, grazing consultant
Major Areas of Sust. Agric. Expertise: rotational grazing, soil biology, nutrient management
Primary crop and livestock enterprises: permanent pasture, brassica, puna chicory, dairy cattle, beef cattle, sheep, chickens, goats-dairy
Description of Sustainable Agriculture work: I have shown over 100 small farmers how to maximize net profits using rotational grazing of sheep, cattle, dairy herds and poultry with composting techniques to manage their farm as a whole system. I convinced over 50 small dairy farmers to rotationally graze their animals in Somerset County, Pa., in 1986. According to the editor of the "Stockman Grass Farmer," this was more farms in one county to convert to this practice than any other county in North America. I have spoken to sust. farm groups in Minn., Wis., Neb., Iowa, Md., N.Y. and Pa. In addition, I spoke at the 1st North American Dairy Grazing Conference in Wisc., Feb 1992. I write a column for the "Stockman Grass Farmer." I received the GIRAFFE Award for my work in sustainable agriculture.
Land Description: The farmers I have helped are in different areas of the U.S. The research and practical application takes place on their farm under their control.
Information resources available: I would rather visit the farmer and show him what needs to be done.

ref #:546 Individual

C. James Yeatman
C.P. Yeatman & Sons Inc.
RR 1 Box 477
Avondale PA 19311

Telephone: (215)869-3595
FAX: (215)869-4729
Contact people: Holly Yeatman
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: organic production
Primary crop and livestock enterprises: mushrooms
Description of Sustainable Agriculture work: We grow mushrooms without the use of chemicals. Our only crop for sale is mushrooms. We are certified organic by NOFA-NJ. We sell nationwide under the "Mother Earth" label through distributors. Our marketing company name is Mushroom Specialties.

ref #:547 Organization

J&J Agri-Products & Services Inc.
220 South Second St.
Dillsburg PA 17019

Telephone: (717)432-2461
FAX: (717)432-2812
Contact people: Halvard E. Alexander, Jane M. Alexander, Barb Myers, Joyce Stuckey
Preferred method of contact: Contact J&J Agri-Products & Services Inc. during regular business hours (EST) 8 a.m. to 5 p.m., at 1-800-233-0138.
Sust. Agric. Roles: supply &/or service provider, infor-

mation provider
Major Areas of Sust. Agric. Expertise: marketing, soil management, information transfer/education
Primary crop and livestock enterprises: agronomic crops, forage crops, cover crops, vegetables, fruit crops, beef cattle, chickens, poultry, beefalo
Description of Sustainable Agriculture work: J&J promotes biological methods for agriculture in an attempt to lower input costs by reducing the application of chemical fertilizers. J&J is in business to market products that are environmentally safe—mainly Nitro/Mak, J&J Soil Conditioner, Nitro/Gal, Guardian Adjuvant, and Manure/Maximizer. We service our customers with free information and hold seminars to explain alternatives to today's agriculture. Although our largest market is in the United States, we are experiencing a great deal of interest from the overseas markets.
Land Description: Our research site consists of 100 acres which is split into three sections. One section is for continued research only on our products. Another section is to test new products. A third section is to test compatibility of our products with other products on the market.
Information resources available: We can provide a wide range of information, i.e. testing of our products, factsheets, testimonials, etc. We also maintain both a book and video tape library. If we don't have the information, we will find out where to get it.

ref #:548 Organization

Market Farm Implement
RD2 Box 206
Friedens PA 15541

Telephone: (814)443-1931
Contact people: Ralph Moore, Dave Moore
Preferred method of contact: I prefer to be contacted by phone 8-5 EST.
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, marketing
Primary crop and livestock enterprises: vegetables, cover crops, legume vegetables, cucurbits
Description of Sustainable Agriculture work: I am an organic vegetable grower studying production systems. I market vegetable crop machinery which fits into those production systems. As a machinery dealer, I act in the manner of consumer reports magazines, in helping growers select the right cultivator, for example, to use for a particular crop. I help growers make equipment decisions. As an OCIA-certified organic grower, we gain experience and knowledge about what does and does not work.
Land Description: Clay loam soil, short growing season — four months.
Information resources available: brochures, pamphlets, catalog, conventions, public speakers, slides

ref #:549 Organization

Rodale Institute
222 Main St.
Emmaus PA 18098

Telephone: (215)967-8405
FAX: (215)967-8959
Contact people: Mike Brusko, Dr. Rhonda Janke, Dr. Michael Sands, Dr. Marianne Sarrantonio, Dr. Terry Schettini
Preferred method of contact: I prefer to be contacted by mail or fax; will accept phone calls but may not always have time to chat.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, agronomic crop production
Primary crop and livestock enterprises: agronomic crops, cover crops, fruit crops, vegetables
Description of Sustainable Agriculture work: Rodale Institute operates a multi-disciplinary, farmer-centered research & publishing program on sust. ag; its mission is to improve human health by improving the health of our soils. Rodale Institute's research focuses on sust. farming systems for agronomic & horticultural crops, mainly on a farm scale, but also on a garden scale, to some extent. Its communication program includes "The New Farm" (a national magazine for farmers), books, field days and workshops.
Land Description: 333-acre research farm
Information resources available: "The New Farm" is our keystone publication. It is a national magazine published seven times a year. The magazine is edited for commercial farmers looking to cut chemical costs and explore new crops and marketing methods. Our other "information resources/services" are too numerous to list. Please write for details.

ref #:550 Organization

Rodale Institute Research Center
Orchard Systems Project
611 Siegfriedale Rd.
Kutztown PA 19530

Telephone: (215)683-6383
FAX: (215)683-8548
Contact people: Sarah Wolfgang, Dr. Terry Schettini, Ms. Diane Matthews-Gehringer, Mr. Ed Lachowski
Preferred method of contact: I would prefer to be contacted via mail.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits
Primary crop and livestock enterprises: pome fruits
Description of Sustainable Agriculture work: I am a horticulturist conducting research on organic and low-input apple orchard management systems. The orchard systems project at Rodale Institute has two major focuses: developing information on new disease-resistant cultivars and conducting research on biological insect management. We are studying the influence of flowering ground covers on beneficial insect populations.
Land Description: Rodale Institute Research Center is a 333-acre research farm. The orchard project involves five field trials totaling approximately 12 acres.
Information resources available: The orchard systems project has produced research reports. We are also part of the LISA low-input apple production which publishes a bulletin and newsletters.

ref #:551 Organization

Slippery Rock University Sustainable Systems Slippery Rock PA 16057

Telephone: (412)738-2956
Contact people: Larry L. Patrick, Ron Gargasz
Preferred method of contact: I prefer to be contacted by telephone during working hours, or at home by telephone at (412)538-9782.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: theory, self-empowerment, permaculture
Primary crop and livestock enterprises: forage crops, vegetables, cover crops, feedgrains, legume cover crops, beef cattle, chickens, goats-dairy, sheep
Description of Sustainable Agriculture work: I am a university researcher/teacher committed to furthering the quest for a theory or philosophy of sustainability. Newtonian pollutants are as dangerous as environmental pollutants. I am interested in advancing our collective thoughts from M-1 metaphysics to M-2 metaphysics. We in the sustainable movement are currently in a prescriptive mood. Lists of do's and don'ts of technique and application now rule. Such is not enough to maintain the movement. To these actions must be added reflection on values, ethics, consciousness and intuition. Sources of understanding must extend beyond our present senses, to encompass a science grounded in the whole brain.
Land Description: SRU hosts a 90-acre farm on campus, where some of our field work is conducted. Dr. Gargasz and I are also certified organic farmers and welcome students to our respective farms for hands-on experience.
Information resources available: Audiocassette: our program has generated several VCR tapes on organic crop/animal production. Internships: These are available at our campus-based Harmony Homestead site, an alternative energy/permaculture site located on campus. Meetings: Several workshops are held at SRU, either through the Sustainable Systems Program or the ALTER Project.

ref #:552 Organization

The New Farm 222 Main St. Emmaus PA 18098

Telephone: (215)967-8108
FAX: (215)967-8959
Contact people: Craig Cramer (215)967-8995, Mike Brusko (215)967-8497, Debra Protchko (215)967-8302, Teri Sorg-McManamon (215)967-8563, Greg Bowman, (215)967-8108
Preferred method of contact: It is best to call during business hours EST.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, soil management, agronomic crop production
Description of Sustainable Agriculture work: Published seven times a year, "The New Farm" magazine provides commercial farmers with information they need to improve soil health, reduce fertilizer, pesticide and other input costs, and protect the environment. Editorial content focuses on weed control, soil fertility, cover crops, rotational grazing, livestock health and high-value crops. Articles stress farmer-proven methods that are practical, profitable and ecologically sound. Other regular features include reader letters and tips, Q&As, resource listings, calendar of events, agriculture law and policy updates. We also publish books on the same topics.
Information resources available: In addition to subscriptions to "The New Farm," we sell books, back issues, reprints and resource listings.

RHODE ISLAND

ref #:553 Individual

Sharon Culberson
Hilltop Gardens
389 Brayton Rd.
Trenton RI 02878

Telephone: (401)624-8171
Preferred method of contact: Contact by phone during normal working hours, M-F.
Sust. Agric. Roles: part-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, greens (including salads), chickens
Description of Sustainable Agriculture work: I'm a small market gardener specializing in lettuces. My objective at Hilltop Gardens is to create a diverse enterprise of produce, flowers, herbs, craft classes and display gardens.
Land Description: I have a varied farm site, from low swampland to uphill garden site.

ref #:554 Individual

Skip Paul
Wishing Stone Farm
25 Shaw Road
Little Compton RI 02837

Telephone: (401)635-4274
Preferred method of contact: I prefer to be contacted by mail or by an early evening phone call.
Sust. Agric. Roles: full-time farmer/rancher, gov't. policy administration
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, weeds
Primary crop and livestock enterprises: vegetables, greenhouse or nursery, cole crops, cut flowers, greens (including salads), poultry, turkeys
Description of Sustainable Agriculture work: I am a market-gardener specializing in organic greenhouse tomato production and intensive field crop production. Wishing Stone Farm specializes in organic greenhouse tomatoes as well as zucchini, cut flowers, cucumbers and peppers. We market our produce through our own CSA program, co-op and retail stand. We are always working with new efficient tools to maximize our production/ labor costs.
Land Description: Our farm is coastal land which is fairly wet with heavy soil. We have long, cold springs.

ref #:555 Individual

Paul Pieri
Maurolou Farm
PO Box 919
Little Compton RI 02837

Telephone: (401)635-2613
Preferred method of contact: Call, write or visit
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production
Primary crop and livestock enterprises: R.I. Flint corn
Description of Sustainable Agriculture work: I grow, without pesticides, an historic variety of Indian flint corn used by small New England gristmills for the production of Rhode Island jonnycake meal. Rhode Island flint corn is my main cash crop with smaller acreage devoted to cutflowers, pumpkins, gourds and tomatoes, all grown without pesticides (neither organic nor conventional). I have extensive experience in managing soil nitrogen for corn production typically achieving ratios of 0.8 lb. applied N/bu. corn without lowering yields.
Land Description: Our farm is located on top of a glacial hill overlooking the Atlantic. The soil is a stony silt loam with moderate to high cropping potential. The summers are cool, breezy and humid; the winters are mild (for New England) and windy.

ref #:556 Individual

William H. Reynolds
University of R.I. Co-op Ext.
Eastern District Office
Florence Gray Cent., York St.
Newport RI 02840

Telephone: (401)847-0287
Preferred method of contact: I prefer to be contacted by telephone at the above number or 401-423-1730 during working hours EST.
Sust. Agric. Roles: Extension worker, teacher
Major Areas of Sust. Agric. Expertise: pest management, horticultural crop production-vegetables, cut flowers
Description of Sustainable Agriculture work: I am an Extension agent for plant crops in general. I head U.R.I's sustainable agriculture program and serve as unofficial chairman for the interagency Rhode Island Sustainable Committee. As an extension agent, I have extensive experience with Christmas trees, grapes, vegetables and cut flowers. I am interested in biological control of vegetable pests and the ability of flowers to augment beneficial populations. I work with the state's organic growers as well as conventional farmers.
Information resources available: newsletter, field days, meetings, workshops

ref #:557 Organization

Rhode Island Sust. Ag Comm.
c/o Eastern R.I. Co-op. Ext.
Florence Gray Cent., York St.
Newport RI 02840

REF. 557

Telephone: (401)847-0287
Contact people: William H. Reynolds; Ms. Chris Fagan, 32 Vandewater St., Providence RI 02908
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, soil management, pest management
Primary crop and livestock enterprises: cut flowers, cole crops
Description of Sustainable Agriculture work: We are a group of agricultural agency professionals and local farmers providing information on sustainable agriculture including on-farm demonstrations. We are beginning to do a very small amount of research. The Rhode Island Sustainable Agriculture Committee ties together government agencies and farmers in a multilevel collaboration. We seek out successful sustainable techniques that are adaptable to our environment and publicize those techniques in a quarterly newsletter or through workshops and on-farm demonstrations. We anticipate conducting a modest amount of research in the future. We currently are looking into the ability of certain cut flower crops to attract parasites of cole crops.
Land Description: We have no research site. We conduct on-farm research only.
Information resources available: We publish a quarterly newsletter on various topics pertaining to sustainable agriculture. We also hold workshops, on-farm demonstrations, and conferences from time to time.

SOUTH CAROLINA

ref #:558 Individual

John E. Albrecht
Clemson University
Rt 1 Box 531
Florence SC 29501

Telephone: (803)669-1912
FAX: (803)661-5676
Electronic address: JALBRCH@CLUST1.CLEMSON.edu
Preferred method of contact: I prefer to be contacted by electronic mail since I am seldom in the office.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: livestock production
Primary crop and livestock enterprises: hogs
Description of Sustainable Agriculture work: I am an animal scientist specialized in swine management and housing. As a swine specialist, my primary concerns are nutrition, reproduction and health programs. The swine industry must be concerned with animal welfare and animal rights concerns. Water and air quality are increasing in importance. I have become interested in the future of the small, independent family farm in the rural South.
Information resources available: brochures, pamphlets, bulletins

ref #:559 Individual

Samuel D. Bass
South Carolina State Univ. Ext
PO Box 1033
213 E Market St.
Bennettsville SC 29512

Telephone: (803)479-6991
Electronic address: cufan e-mail: NIMARL
Preferred method of contact: I prefer to be contacted via telephone or mail.
Sust. Agric. Roles: Extension worker, gov't. policy administration
Major Areas of Sust. Agric. Expertise: farm management, agronomic crop production, livestock production
Primary crop and livestock enterprises: agronomic crops, vegetables, forestry, small grains, beef cattle, chicken, warm-water aquaculture
Description of Sustainable Agriculture work: I am an agriculture Extension agent educating small farmers, landowners and minorities on sustainable agriculture concepts and practices that will make them better managers of scarce resources, land, water and money. As an Extension agent, I assist/educate limited-resource farmers, landowners and minorities in understanding adoption/implementation of sustainable agriculture practices that are profitable, while conserving those resources that will perpetuate the economic viability of the small family or corporate farm.
Land Description: The landbase is primarily farmland used for agronomic crops, with less than 20% under irrigation. Livestock uses of land are minimal except for increases in poultry houses to supply birds to a new processing plant that will begin operation in 1993. Less than 1,000 acres are planted in vegetables. Conventional row cropping or monocropping is the primary cropping system.
Information resources available: We have resource materials through the media library, Clemson University, Poole Agriculture Media Center, Clemson, S.C.

ref #:560 Individual

James J. Camberato
Clemson University
Rt 1 Box 531
Florence SC 29501

Telephone: (803)669-1912
FAX: (803)661-5676
Preferred method of contact: Contact me by phone or fax during working hours EST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: nutrient management, agronomic crop production
Primary crop and livestock enterprises: small grains, feedgrains
Description of Sustainable Agriculture work: I am involved with research and Extension with land-application of agricultural, municipal and industrial waste. My work involves determining rates of nutrient release from organic materials and the effects of these materials on plant growth. I also disseminate this information to growers so that they can utilize the wastes efficiently and in an environmentally sound manner.
Land Description: Our research site is on the Atlantic Coastal Plain.
Information resources available: A newsletter covering aspects of land application of waste, soil fertility,and plant nutrition is available to individuals (3-4 times per year, with an erratic schedule). We have factsheets on soil fertility and a bulletin on land application of animal waste.

ref #:561 Individual

Ralph E. Franklin
Clemson University
Agronomy and Soils Dept.
275 Poole Agriculture Center
Clemson SC 29634-0359

Telephone: (803)656-3511
FAX: (803)656-3443
Electronic address: rfrnkln@clustl.clemson.edu
Preferred method of contact: I prefer to be contacted by electronic mail.
Sust. Agric. Roles: univ. team leader & coordinator; univ. department head
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management

REF. 562-565

Description of Sustainable Agriculture work: I am an agronomist coordinating Extension and research activities. My work is largely administrative and providing leadership to Extension and research activities.
Information resources available: We have varied printed materials and videotapes available at nominal charge.

ref #:562 Individual

Robert Walker Miller Jr.
Clemson Univ. Co-op Extension
Dept. Plant Pathology
205 Long Hall
Clemson SC 29634-0377

Telephone: (803)656-5732
FAX: (803)656-0274
Electronic address: wmiller@clust1.clemson.edu
Preferred method of contact: I prefer to be contacted by e-mail or fax.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, diseases, information transfer/education
Primary crop and livestock enterprises: agronomic crops, forage crops, fruit crops, ornamentals, vegetables
Description of Sustainable Agriculture work: I am a plant pathologist seeking to help people manage or be better stewards of their plant environment through improved plant health practices. Although fruits and ornamentals is our current emphasis area, I have worked all crops in nearly 25 years of experience. I evaluate what I teach through institution-related work and our own family farm. As a plant pathologist, I have focused in the areas of ecology, bacteriology, nematology, plant physiology, the diagnosis of plant disease, integrated pest/crop management, the principles of information transfer technology and the infrastructure of continuing education.
Land Description: Our farm is hilly and erodible.
Information resources available: Our available resources depend on producers' needs.

ref #:563 Individual

Paul M. Porter
Clemson University
PO Box 247
Blackville SC 29817

Telephone: (803)284-3343
FAX: (803)284-3684
Preferred method of contact: I prefer to be contacted via telephone at above number.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, tillage
Primary crop and livestock enterprises: agronomic crops, small grains, oilseeds, root vegetables, cover crops
Description of Sustainable Agriculture work: I am an agronomist researching small grains, canola and flax in the Southeast. In addition, I have Extension responsibilities in sustainable agriculture. As a researcher/Extension specialist, my primary crops are small grains, canola, flax and cotton, and how these crops can be effectively rotated. I publish a "Sustainable Agriculture" newsletter quarterly, which is received by county agents in South Carolina.
Information resources available: Groups I am associated with publish a newsletter and have field days.

ref #:564 Individual

Ben Williamson
Oaklyn Plantation
Rt 3 Box 462
Darlington SC 29532-9553

Telephone: (803)393-7306
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, organic production, livestock production
Primary crop and livestock enterprises: agronomic crops, greenhouse or nursery, forestry, cover crops, forage crops, beef cattle, wildlife
Description of Sustainable Agriculture work: I am a farmer and nurseryman, gradually converting my family's farm to certified organic production. We produce organic soybeans and tobacco, certified by OCIA, as well as non-organic soybeans, tobacco, beef cattle, small grains and ornamental trees and shrubs for landscaping. We also manage woodlands for saw timber. Our practices in fields and forest are gentle to the environment.
Land Description: Our farm is generally classed as Norfolk sandy loam. It is in the Coastal Plains of South Carolina. Our fields are flat, and drained by underground tile lines. The clay horizon is 20-30 inches deep. The soil is naturally low in NPK.

ref #:565 Organization

Clemson University
Agronomy & Soils Dept.
275 Poole Agriculture Center
Clemson SC 29634-0359

Telephone: (803)656-3511
FAX: (803)656-3443
Electronic address: rfrnkln@clustl.clemson.edu
Contact people: Ralph E. Franklin, Bill Yates, Bob Lippert, Terry Sudduth, Bill Jones
Sust. Agric. Roles: land-grant institution, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, information transfer/education
Primary crop and livestock enterprises: agronomic crops, forage crops, forestry, fruit crops, vegetables, beef cattle, chickens, dairy cattle, poultry, wildlife
Description of Sustainable Agriculture work: Clemson has a diverse faculty engaged in many facets of sustainable agriculture research, Extension, and teaching activities. Contact individual faculty and departments for specific descriptions.
Land Description: More than 31,000 acres of research

land located in the vicinity of the main campus and at four major research and education centers strategically located within the state of South Carolina.
Information resources available: We have varied printed materials and videotapes available at nominal charge.

ref #:566 Organization

Rural Advancement Found. Intl.
PO Box 727
Mauldin SC 29662

Telephone: (803)297-8562
FAX: (803)297-0216
Electronic address: GEO4-RAFI-SE / HANDSNET
Contact people: Michael Sligh; Betty Bailey, RAFI, P.O. Box 655, Pittsboro NC 27312; (919)542-1396 (phone) (919)542-2460 (fax)
Preferred method of contact: Contact us by phone, fax, e-mail or conventional mail. We have a 24-hour answering machine. Our office hours are 8 a.m. to 5 p.m. EST.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, farm management, organic production
Primary crop and livestock enterprises: vegetables, agronomic crops, fruit crops, heirloom varieties
Description of Sustainable Agriculture work: I am the director of RAFI Sustainable Agriculture Project, which has a focus of working with farmers and other organizations on finding solutions to agronomic and policy barriers to sustainable agriculture. I am also current coordinator for the Southern Sustainable Agriculture Working Group, which is a network of more than 40 southern U.S. groups working in sustainable agriculture. The RAFI Sustainable Agriculture Project provides research, advocacy, organizing and network information for organizations and individuals on issues of sustainable agriculture. These issues include information on direct marketing models, conservation of genetic resources, sources for rare and heirloom varieties, farmer and organizational contacts, national organic standards, marketing workshops and meetings, agricultural policy development, and public speakers.
Information resources available: We have direct marketing and co-op development information. We have books and maps on conservation of genetic resources. We can link farmers with farmers on specific expertise. We have sources of rare and heirloom livestock and seeds.

ref #:567 Individual

Thomas L. Dobbs
South Dakota State University
Dept. of Economics
Scobey Hall
Brookings SD 57007

Telephone: (605)688-4874
FAX: (605)688-6386
Sust. Agric. Roles: researcher
Major Areas of Sust. Agric. Expertise: agricultural economics
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds, legume cover crops, legume forages
Description of Sustainable Agriculture work: I have been involved in sustainable agriculture research and education, both in the U.S. and overseas. I have studied farm profitability, rural area impacts, and public policy aspects of sustainable agriculture. My primary focus is on food and feed grain crops. I have conducted both on-farm and experiment station studies, involving both agricultural economists and plant scientists.
Land Description: We operate an experiment station in northeast South Dakota and research with cooperating farmers.
Information resources available: Contact us if you would like an annotated list of our publications dealing with the economics of sustainable agriculture.

ref #:568 Individual

James D. Smolik
South Dakota State University
Plant Science Dept.
Box 2109
Brookings SD 57007

Telephone: (605)688-5156
FAX: (605)688-6065
Preferred method of contact: Contact me by telephone from 8 a.m. to 5 p.m. CST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, pest management, soil biology
Primary crop and livestock enterprises: feedgrains, oilseeds, small grains, legume cover crops, legume forages
Description of Sustainable Agriculture work: I am involved with long-term productivity of various farming systems, including conventional, reduced-till and organic systems. My studies include both on-farm and experiment station research on corn, soybeans, alfalfa, clover, spring wheat, oats and barley. Effects on earthworms, fungi, nematodes, weeds, insects, soil erosion, soil tilth, soil water and nutrients are compared in the various systems.
Land Description: I work at the Northeast Research Station, which is located in northeast South Dakota. I also conduct on-farm studies in east-central South Dakota.
Information resources available: I have available annual progress reports and reprints of journal articles. I also conduct annual tours.

ref #:569 Individual

Donald C. Taylor
South Dakota State University
Economics Dept.
Box 504A
Brookings SD 57007

Telephone: (605)688-4872
FAX: (605)688-6065
Preferred method of contact: I prefer to be contacted via telephone at above number during working hours CST, or by fax.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: farm management, agronomic crop production, livestock production
Primary crop and livestock enterprises: feedgrains, small grains, cover crops, forage crops, beef cattle
Description of Sustainable Agriculture work: I am an agricultural economist who undertakes research on applied aspects of sustainable crop and livestock production. My South Dakota State University colleagues and I have undertaken research on technical and economic aspects of sustainable crop and livestock production. SDSU's on-station research on sustainable cropping systems was initiated in 1985. Our on-farm research on crop and livestock systems was initiated in 1988. In 1991, we initiated a research project in which intensified attention is being given to "organic" versus "conventional" beef cattle production. A list of publications reporting the findings from our research on sustainable agriculture is available to anyone who requests a copy at Sustainable Agriculture, Economics Dept., SDSU, Box 504A, Brookings SD, 57007.
Information resources available: publications lists

ref #:570 Individual

Lisa Bedner
Lisa's Greenhouse
Rt 1 Davidson Chapel Rd.
Bloomington Springs TN 38545

Telephone: (615)653-4402
Preferred method of contact: I prefer contact by mail or phone message machine anytime (615)653-4402.
Sust. Agric. Roles: full-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: greenhouse, horticultural crop production-vegetables, tobacco
Primary crop and livestock enterprises: bedding plants, herbs, vegetables, tobacco
Description of Sustainable Agriculture work: I am a certified organic grower of greenhouse starter plants, mostly vegetables and herbs. I also grow bulk herbs and vegetables for sale, and am currently involved in organic tobacco production research. As an organic greenhouser, my primary income is from propagation of vegetable, herb and wildfower plants. I am open for retail sales April 1 to June 1. I wholesale bedding plants statewide, mostly advanced orders rather than demand, for organic growers. I also raise fall-crop bedding plants, mostly on a pre-reserved basis. I sell many plants retail at herb shows, and teach uses of herbs, culinary and medicinal. I do conduct on-farm research in raised-bed gardening. I currently have an on-site internship program to teach greenhouse propagation, herb and vegetable production, and raised-bed production. I am also involved in research in organic tobacco production. This research will be greatly expanded in the next 2-3 years with available grant money.
Land Description: I farm on 24 acres, some of which is hilly. There are 15 acres of woods and 6 acres of hay fields. Two acres are devoted to tobacco and vegetable field crops. One acre of raised beds produces herbs and vegetables.
Information resources available: I prepare a price list of available plant species each growing season.

ref #:571 Individual

Alfred C. Farris
5552 Dixon Rd.
Orlinda TN 37141

Telephone: (615)654-3599
Preferred method of contact: Telephone or mail
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil conservation, weeds
Primary crop and livestock enterprises: legume cover crops, feedgrains, small grains, oilseeds, non-oilseed legumes
Description of Sustainable Agriculture work: I am a grain farmer trying to use reduced chemical inputs and to increase organic matter of the soil, primarily by: crop rotations, cover crops, composting, banding, rotary hoeing and cultivation. Our grain crops are corn, soybeans and wheat — some alfalfa. I keep detailed field records of inputs (i.e. compost, fertilizer, herbicides), and I am trying to demonstrate that reduced chemical fertilizer and herbicides can be managed successfully with commodity crops.
Land Description: My farm consists of approximately 430 acres of cropland — mostly Pembroke/Grider association soils. It has mostly 2-5% slope with some 5-12% slopes.

ref #:572 Individual

Martha Ann Hood
Garden of Eden Lawn Care Service
6536 South LaMont Rd.
Orlinda TN 37141

Telephone: (615)654-2118
Preferred method of contact: Contact me by phone during working hours CST.
Sust. Agric. Roles: supply &/or service provider, teacher
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, marketing
Primary crop and livestock enterprises: fruit crops, vegetables, vine fruits, ornamentals, nonfruit nursery, dairy cattle, beef cattle, sheep, wildlife, exotic livestock
Description of Sustainable Agriculture work: I am a scientific teacher, farmer, and gardener with varied experience and education including travel to other countries. I am also a service provider in organic lawn care. I am involved in ongoing education in science and personal research to augment my working body of knowledge. As a service provider, I specialize in pruning, planting, pest resistance and planning for homeowners. As a teacher and student, I incorporate academic gains in theories of biology and chemistry with my own practical experience and anecdotal information. My goals include the development of organically raised livestock blended with a diverse green crop and perennials.
Land Description: My work is done in a prairie area.

ref #:573 Individual

Samuel L. Justice
6473 N. Pearson Rd
Springfield TN 37172

Telephone: (615)654-3405
Preferred method of contact: Since I work swing shift (constantly changing), try my home phone. If I am not available, someone can usually give a time that I will be here.
Sust. Agric. Roles: production agriculture, encouraging others with organic
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-fruits, weeds
Primary crop and livestock enterprises: small fruits
Description of Sustainable Agriculture work: I am working on composting leaves from cities as a mulch and

nutrient source for small fruits. I am also hoping to show that weeds can be controlled in many crops, e.g. strawberries, by proper management techniques. We must learn weed life cycles and disrupt them. Also, weed-free is not always profitable.

REF. 574-577

Land Description: My farm is gently rolling, very fertile, well-drained upland. Some areas have low, seasonally wet ground.

ref #:574 Individual

Lorna McMahon
Silvertop Farms Inc.
Rt 1 Box 345
Donaldson Road
Tiptonville TN 38079

Telephone: (901)253-8028
Preferred method of contact: I prefer to be contacted by letter.
Sust. Agric. Roles: full-time farmer/rancher, construction co.
Major Areas of Sust. Agric. Expertise: specialty crops, information transfer/education, organic production
Primary crop and livestock enterprises: vegetables, ornamentals, agronomic crops, agroforestry, fiber crops
Description of Sustainable Agriculture work: I am an organic and conventional greenhouse market gardener with 5 acres in raised beds, as well as organic and conventional agronomic crops. We aim to set an example on our farm of a sustainable family farm. We attempt to network on a national level, trying to get the information to everybody. The farm we live on is our great-grandparents' farm. We have been certified since 1987, and intend to eventually have the majority of the farm certified organic.
Land Description: We farm on 2,300 acres, of which 330 acres are certified organic. It is flat delta; the only true delta land in the state. It is 294 feet above sea level on the Mississippi River.
Information resources available: We have quarterly publications. Internships are welcomed. We will occasionally host field days and workshops.

ref #:575 Organization

Tenn. Alternative Growers Assn.
Rt 1 Davidson Chapel Rd.
Bloomington Springs TN 38545

Telephone: (615)653-4402
Contact people: Lisa Bedner; Kathleen Lander, RR 14, Box 159 D, Cookeville TN 38501
Preferred method of contact: I prefer to be contacted by mail or phone (message machine available).
Sust. Agric. Roles: information provider, social network
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production
Description of Sustainable Agriculture work: TAGA is an organization dedicated to gathering together gardeners, farmers, researchers and teachers with interests in sustainable agriculture to share ideas, products, learning and social interaction. TAGA is a non-profit organization dedicated to group interaction of people in Tennessee with interest in organics or sustainable agriculture. Our members include small-scale organic home gardeners, sustainable agriculture farmers, and anyone in between. We meet two to three times a year at field days and have a two-day conference every November. We offer workshops and lectures at our yearly conference for a minimal fee. We also publish a small newsletter two to three times a year. Besides making verbal and printed information available, we also offer a social forum for interaction of people with like interest in alternative growing methods and alternative lifestyles. Membership is open to all.
Information resources available: The TAGA newsletter includes info on statewide growers conferences, organizations, new developments in organic growing, and markets available.

ref #:576 Organization

Tenn. Land Stewardship Assn.
PO Box 4123
Murfreesboro TN 37133-4123

Telephone: (615)895-1254
Contact people: Steve Mills; Jim Joyner, (615)563-2353; Lorna McMahon, (901)253-8028
Preferred method of contact: We prefer to be contacted by mail. However, messages can be left at above number.
Sust. Agric. Roles: information provider, certification
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, soil management
Primary crop and livestock enterprises: vegetables, fruit crops, fiber crops, small fruits, herbs, beef cattle, goats-meat, goats-dairy, sheep
Description of Sustainable Agriculture work: Our purpose is to research, test and demonstrate organic methods of food production. We also inspect and certify organic farmers. TLSA's prime concern is for the health of the land and the life it sustains.
Information resources available: brochures, pamphlets, bulletins, newsletter, field days, meetings, public speakers

ref #:577 Organization

University of Tennessee
Agricultural Extension Service
PO Box 1071
Knoxville TN 37901

Telephone: (615)974-7271
FAX: (615)974-1068
Electronic address: pb143538@UTK.VM1
Contact people: Ray Humberd
Preferred method of contact: Contact me via phone, fax or mail EST.
Sust. Agric. Roles: information provider, supply &/or service provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am involved with Extension administration.
Information resources available: bulletins, brochures, pamphlets, factsheets, monographs, meetings, workshops, field days

TEXAS

ref #:578 Individual

Steve Amosson
Texas Ag Extension Service
6500 Amarillo Blvd. W.
Amarillo TX 79106

Telephone: (806)359-5401
FAX: (806)358-9718
Preferred method of contact: I prefer to be contacted at above number during working hours CST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agricultural economics, farm management, livestock production
Primary crop and livestock enterprises: small grains, feedgrains, legume vegetables, beef cattle
Description of Sustainable Agriculture work: I am an Extension management economist working with producers/organizations and state/regional (multi-state) committees on sustainable agriculture. I work in cropping systems research, as well as waste disposal and some modeling. My interest in sustainable ag is growing in the area of analyzing "economically feasible" sustainable cropping systems.

ref #:579 Individual

Malcolm Beck
Garden-Ville Farm & Fert. Co.
7561 E. Evans Rd.
San Antonio TX 78266

Telephone: (512)651-6115
FAX: (512)651-9231
Preferred method of contact: Contact me by telephone.
Sust. Agric. Roles: researcher, supply &/or service provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, organic production
Primary crop and livestock enterprises: cover crops, legume forages, Christmas trees, fruit crops, stone fruits, beef cattle
Description of Sustainable Agriculture work: I grow grapes, fruit, nuts, vegetables and pine trees. I test varieties, mulching and compost methods, biological insect control and natural fertilizers. I research foliar and root feeding, and have compiled about 100,000 composting samples annually. I review research tools and products for Garden-Ville Fertilizer Company and their customers. I have farmed organically (up to 100 acres) since 1957. I have instituted natural pest control on 250 pecan trees, 100 fruit trees and 250 grape vines.
Information resources available: I give tours of compost operations in fruit orchards and vineyards. I give color slide programs on soil building, composting and insect controls. I wrote a book entitled "Lessons in Nature."

ref #:580 Individual

Stan Bevers
Texas Ag Extension Service
PO Box 2159
Vernon TX 76384

Telephone: (817)552-9941
FAX: (817)553-4657
Preferred method of contact: Contact me by phone during working hours CST.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: agricultural economics, farm management, information transfer/education
Primary crop and livestock enterprises: fiber crops, small grains, legume forages, beef cattle, hogs
Description of Sustainable Agriculture work: I am evaluating the economics of ag production and methods.
Land Description: My research site is in the Rolling Plains area.

ref #:581 Individual

Robert N. Birkenfeld
HCR 3 Box 34
Tulia TX 79088

Telephone: (806)627-4222
Preferred method of contact: I can be contacted anytime on my two-way telephone. This is a portable unit carried with me always. The number is (806)627-4275.
Sust. Agric. Roles: full-time farmer/rancher, supply &/or service provider
Major Areas of Sust. Agric. Expertise: organic production, soil conservation, insects
Primary crop and livestock enterprises: small grains, fiber crops, goats-meat
Description of Sustainable Agriculture work: I am a farmer working with organic crop production. I am in the transition on all of my farms, switching to totally organic production. I use composted cotton burrs and feedlot manure as a primary fertilizer source along with a nitrogen-fixing bacteria and feedlot lagoon water. I am using beneficial insects for pest management. As of now, the only crops I market organically are cotton and wheat, but I expect to market feed grains or use them in my cattle operation. Also, my two brothers and I have a commercial composting business. We are always testing different materials to improve our product.
Land Description: My farmland is mostly Pullman clay loam with an average pH of 7.2 to 7.6. Average slopes are 3-4%. Organic matter content is probably 1.5% average, but with our green manures, crop residue and compost mixtures, this is looking better every year.
Information resources available: KBG Composters has a printed flyer with an average N-P-K analysis of our product, plus the benefits that we and other users have

REF.
578-
581

experienced over the years. We also work closely with a knowledgeable crop consultant who has researched compost fertilizer for over 10 years. He has been very helpful in expanding our knowledge of the benefits of compost and in improving our composting process.

ref #:582 Individual

Charlie G. Coble
Texas A&M University
Agriculture Engineering Dept.
College Station TX 77843

Telephone: (409)845-3640
FAX: (409)847-8627
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil management, water management, pest management
Primary crop and livestock enterprises: agronomic crops, forage crops, vegetables, fruit crops
Description of Sustainable Agriculture work: I am an agricultural engineer interested in tillage and soil conservation in composting for bioremediation. My research is involved with using biological organisms to remediate wastes such as petroleum and organic chemicals in the soil.

ref #:583 Individual

J. Tom Cothren
Texas A&M University
Soil and Crop Sciences Dept.
College Station TX 77843-2474

Telephone: (409)845-0360
FAX: (409)845-0456
Preferred method of contact: I prefer to be contacted via telephone at above number, during working hours CST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, information transfer/education
Primary crop and livestock enterprises: fiber crops, feedgrains, legume cover crops, agronomic crops, cover crops
Description of Sustainable Agriculture work: I am an agronomist researching the effects of cover crops on subsequent germination, establishment and yields of crops, specifically cotton and sorghum. I am specifically interested in the evaluation of winter cover crops as a means to supplement nitrogen availability to subsequent cropping systems and for their effects on tilth and water management.
Land Description: The research plots are a Ships clay/ Weswood silt loam intergrade.

ref #:584 Individual

B. M. Drees
Texas Ag Extension Service
PO Box 2150
Bryan TX 77806

Telephone: (409)845-6800
FAX: (409)845-6501
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: pest management, insects
Description of Sustainable Agriculture work: We develop and promote integrated pest management programs. Red imported fire ants, rice, soybeans and commercial ornamental plants are my commodity areas.

ref #:585 Individual

Guy Fipps
Texas A&M University
Agricultural Engineering Dept.
College Station TX 77843-2117

Telephone: (409)845-7454
FAX: (409)845-3932
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: water management, agronomic crop production, horticultural crop production-vegetables
Primary crop and livestock enterprises: agronomic crops, fruit crops, vegetables, forage crops, warm-water aquaculture
Description of Sustainable Agriculture work: I am an Extension specialist and a resercher in irrigation water management. I conduct research and education programs on improved irrigation technologies, salinity management in irrigated agriculture, and proper soil moisture management for maximizing production. I also evaluate best management practices for maximizing the effectiveness of nutrients and other agriculture chemicals while minimizing impacts on the environment.
Information resources available: We have factsheets on irrigation technologies, soil moisture management and irrigation water management.

ref #:586 Individual

Wyatte L. Harman
Texas Ag Exp. Station
6500 Amarillo Blvd. West
Texas A&M University
Amarillo TX 79106

Telephone: (806)359-5401
Sust. Agric. Roles: research/farming, Extension worker
Major Areas of Sust. Agric. Expertise: agricultural economics, farm management, water management
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds, fiber crops
Description of Sustainable Agriculture work: I am an agricultural economist investigating the economics of integrated farming systems which compare the use of conventional semi-arid farming practices to emerging technologies applicable to irrigated conservation practices, quality management, and profitability. Much of the systems research investigates technologies using a range of near-organic farming to intensive pesticide impact analyses. Economic impacts on sales income, variable costs and fixed costs are assessed with budget-generated computer software. An agro-economic model is under

development to simulate long-term financial risks, chance of farm survival, and equity income changes using the typical and innovative cropping sequence, irrigation and cultural strategies, tillage options, and other emerging alternatives.
Land Description: My research site is located on gently sloping (less/equal 1%) land, which is silty-clay loam or clay loam of 3-5-inch topsoil, overlaying 10-20 inches of calcium carbonate. It is slow to intake water, except when cracked or extremely wet.

ref #:587 Individual

B.L. Harris
Texas Ag Extension Service
348 Soil & Crop Sciences Bldg.
Texas A&M University
College Station TX 77843-2474

Telephone: (409)845-2425
FAX: (409)845-0456
Preferred method of contact: telephone, mail, or fax.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, beef cattle
Description of Sustainable Agriculture work: I am an Extension specialist in soils and water quality emphasizing agronomic best management practices and conservation. I conduct field demonstrations and educational programs, and provide inputs into state and national policies dealing with soil erosion, water quality, sustainable agriculture, conservation tillage and soil management. I serve as administrator of four USDA water-quality projects.
Land Description: Farmland is pastureland with various improved species grown for use in a rotational grazing system. Research is conducted statewide on farmer fields using a wide variety of cropping and livestock systems.

ref #:588 Individual

Dennis Holbrook
South Tex Organics
6 Betty Dr.
Mission TX 78572

Telephone: (512)585-1040
FAX: (512)581-1040
Preferred method of contact: Contact between 8-5 CST at above number.
Sust. Agric. Roles: full-time farmer/rancher, produce packer & shipper
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-fruits, horticultural crop production-vegetables
Primary crop and livestock enterprises: fruit crops, vegetables, subtropical fruits, root vegetables, onions and related crops
Description of Sustainable Agriculture work: I produce citrus and vegetables organically for the health food industry to provide the consuming public a choice. South Tex Organics specializes in organic production of oranges, Rio Red grapefruit, carrots, Texas Sweet onions and the famous 1015 yellow onion. I am involved with the Texas Ext. Service in research projects in biological control methods in crop production. I'm doing my own research on composting methods, and methods of incorporation of compost. I'm starting a project to test mulch barriers against plastic and material weed barriers.
Land Description: All of my land has been machine leveled using laser leveling equipment. It is made up of sandy loam soil very well drained with generally good fertility. I use flood irrigation.

REF.
587-
590

ref #:589 Individual

Jerral D. Johnson
Texas Ag Ext. Service
Texas A&M University
Rm. L. F. Peterson Bldg.
College Station TX 77843

Telephone: (409)845-8032
FAX: (409)845-6499
Preferred method of contact: Contact me by telephone or fax between 8 a.m. and 5 p.m. CST.
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, diseases
Primary crop and livestock enterprises: fruit crops, vegetables
Description of Sustainable Agriculture work: I am a professional plant pathologist using a combination of cultural and chemical methods to prevent plant disease losses in vegetables, fruits and nuts. I work with both home garden and commercial producers to develop effective production practices. Emphasis is placed on reduced pesticide use.

ref #:590 Individual

Joseph P. Krausz
Texas A&M University
118 Peterson Bldg.
Dept. of Plant Pathology
College Station TX 77843-2132

Telephone: (409)845-8036
FAX: (409)845-6499
Preferred method of contact: I prefer to be contacted by telephone during working hours CST, or by mail at the address above.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: diseases, agronomic crop production
Primary crop and livestock enterprises: rice, feedgrains, agronomic crops
Description of Sustainable Agriculture work: I am responsible for applied research and Extension activities, primarily in integrated management of rice and turfgrass diseases. I conduct on-farm tests to more effectively and economically control rice diseases. More judicious use of costly inputs and more reliance on cultural methods of

managing diseases are being investigated.
Information resources available: We are available to speak about rice diseases. Several local rice production meetings are scheduled each year.

ref #:591 Individual

Lawrence A. Lippke
Texas Ag Extension Service
Dept. of Ag Economics
College Station TX 77843-2123

Telephone: (409)845-8012
FAX: (409)845-2770
Electronic address: G451LL@TAMVMI - BITNET
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: agricultural economics, farm management, marketing
Primary crop and livestock enterprises: fiber crops, feedgrains, small grains, forage crops, beef cattle, dairy cattle
Description of Sustainable Agriculture work: I assist producers in economic analysis of sustainable agriculture practices. My work has involved educating producers on considerations for economic analysis of sustainable agriculture practices.
Information resources available: We have factsheets on farm and financial management principles, a farm management handbook, and enterprise budgets. We also have computerized decision aids.

ref #:592 Individual

Ashley C. Lovell
Texas Ag Extension Service
Rt 2 Box 1
Stephenville TX 76401

Telephone: (817)968-4144
FAX: (817)965-3759
Preferred method of contact: I prefer to be contacted via telephone during working hours Central Time Zone.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: agricultural economics, farm management, information transfer/education
Primary crop and livestock enterprises: nonlegume forages
Description of Sustainable Agriculture work: I am involved in economic and financial feasibility of dairy waste management systems and best management practices. The economic and financial feasibility of dairy waste management systems and best management practices involve the application of deterministic models such as FinPack and TAMWFARM as well as stochastic models including ETIC, FLIPSIM and Plumetor.
Land Description: Texas Cross Timbers, Grand Prairie, and Blackland regions.
Information resources available: We have factsheets and other publications which we can mail to interested parties.

ref #:593 Individual

Paul B. Martin
605 Elm
Seguin TX 78155

Telephone: (512)225-3464
FAX: (512)225-2409
Preferred method of contact: Contact me at work or at home, (512)372-0366
Sust. Agric. Roles: information provider, teacher; part-time farmer-rancher
Major Areas of Sust. Agric. Expertise: information transfer/education, pest management, livestock production
Primary crop and livestock enterprises: forage crops, legume cover crops, small grains, feedgrains, vegetables, hogs, beef cattle
Description of Sustainable Agriculture work: I believe our efforts should be invested in a search for a socially interactive process and framework in which to operate for moving our (agricultural) systems toward sustainability. Important aspects of the process include team building and leadership development, as well as measuring sustainability. I am primarily involved in the development and dissemination of information and discussion material concerning movement toward sustainable agriculture (or conservation and sustainable community development). This material deals with the ecological, economic and sociopolitical aspects of sustainable agriculture. More specifically, I am teaching courses (at nights in a small community college) covering the concepts and components of the practice of sustainable agriculture and developing other mechanisms for diffusing these kinds of information.
Land Description: I have a 140-acre farm with sandy loam and loamy sand soils, which was "originally" little bluestem, sandhill lovegrass, silver bluestem and fall witchgrass, with some post oak, catclaw acacia and forbs (sensitive brier, snoutbean, etc.) Sixty-six acres are cropland on which we've produced in rotation: watermelons; grain sorghum; forage sorghum, oats, & wheat; southern field peas and other vegetables; and cotton. Cattle graze this and the rangeland. It includes perennial pasture and terraces on the slopes and waterways.
Information resources available: I have various information in my file and library (and in my head), particularly on pest management in grain sorghum, corn, pasture systems, etc.

ref #:594 Individual

Tim P. Miller
Millberg Farms
737 Opal Lane
Kyle TX 78640

Telephone: (512)268-1433
Preferred method of contact: Please contact me by mail at the above address.
Sust. Agric. Roles: information provider, part-time organic farmer
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, horticultural crop production-vegetables

Primary crop and livestock enterprises: onions and related crops, nuts, forestry, fruit crops, vegetables
Description of Sustainable Agriculture work: Through my involvement with the Austin Community Gardens as program coordinator, I develop new vegetable gardens throughout the city, and teach all types of classes, which include transplanting, composting, canning and kids gardening (at schools). With 20 years of practical knowledge, I have developed two certified organic farms. As a certified organic farmer, I have concentrated on commercial production of radishes, beans and green onions. I am currently working on natural seeding of vegetables in small gardens/large beds, mainly with tomatoes, pole lima beans and dill. I have developed a trench composting system for small-scale farmers and its practices relating to raised-bed techniques. And I have developed five new ways for composting which include large-scale/low-input for small farmers and municipalities. These new composting procedures were developed at the Austin Community Gardens.
Land Description: I farm on three different soil types: 1. Sand with 15-year-old windrowed woodchip compost. (This farm is utilized by dryland farming of vegetables.) 2. A 5-acre blackland clay terraced farm being developed into an edible landscape with room for vegetable production. 3. Austin Community Gardens, blackland clay with tons of composted leaves/grass utilizing high intensive plantings.
Information resources available: I have various handouts on moon-sign planting, companion planting and composting information.

ref #:595 Individual

Leon New
Texas Ag Extension Service
6500 Amarillo Blvd. West
Amarillo TX 79106

Telephone: (806)359-5401
FAX: (806)358-9718

Sust. Agric. Roles: Extension worker, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: water management, information transfer/education, agronomic crop production
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds, sugar crops, nuts, beef cattle
Description of Sustainable Agriculture work: I am involved with irrigation system design and efficiency, pumping plant performance and efficiency, and water management and crop response to irrigation including soil moisture sensors. I am evaluating and comparing irrigation system water-application efficiency with center-pivots, including LEPA irrigation, furrow, side-roll and drip irrigation in the production of corn, milo, cotton, sugar beets, peanuts, wheat and other crops with farmers. My research includes soil moisture sensing.
Land Description: My research site is located on 730 acres of rangeland dedicated to a cow/calf-yearling operation.
Information resources available: I have available publications on center pivot and surge irrigation, irrigation pumping plant efficiency, and corn and cotton irrigation management. I also have field test comparisons on corn, milo, sugar beets, cotton and peanut response to irrigation; and on soil moisture content from different irrigation systems.

ref #:596 Individual

Joe C. Paschal
Texas Ag Extension Service
Rt 2 Box 589
Corpus Christi TX 78406

Telephone: (512)265-9207
FAX: (512)265-9434

Preferred method of contact: Contact me during office hours CST.
Sust. Agric. Roles: Extension worker, consultant
Major Areas of Sust. Agric. Expertise: livestock production
Primary crop and livestock enterprises: beef cattle, horses, goats—hair (Angora), goats-meat, sheep
Description of Sustainable Agriculture work: I am an Extension livestock specialist. I am interested in plant-animal-soil relationships on pasture and rangeland.

ref #:597 Individual

Peggy Prather
Center for Holistic Resource Mgt.
PO Box 800
Dripping Springs TX 78620

Telephone: (512)858-7523

Preferred method of contact: Interested people may contact me either by phone or mail. I prefer to be contacted during working hours but do welcome calls during the evening CST.
Sust. Agric. Roles: educator/facilitator, information provider
Major Areas of Sust. Agric. Expertise: holistic resource management, group planning facilitator, information transfer/education
Description of Sustainable Agriculture work: As a learning facilitator, I work with families, groups and communities to assist in learning and implementing an integrated approach to managing land, financial and human resources in a manner that is economically viable, environmentally sound and socially just. Farmers and ranchers often run into barriers when making a transition to sustainable practices that sometimes include negative peer pressure and lack of local infrastructure for support (marketing, related-service businesses, financial support, etc.). As a learning facilitator, I am interested in working with rural community groups utilizing a planning process that encourages broad community participation in order to reduce barriers and enhance long-term sustainability. This planning process is goal-oriented and based on team building and collaboration. Experience has also indicated that it is an effective method for conflict resolution between groups in dispute over land management strategies and techniques.
Information resources available: Brochure: describes the planning process I facilitate in a general way. Workshops: 1- to 3-day workshops to introduce people

to a different type of planning process and show them how to utilize it for their own success. Field Days: enable people to meet others working toward sustainability. Public Speakers: address groups on approaches to resource management for long-term sustainability.

ref #:598 Individual

Charles E. Ranson
3524 Bremen
Dallas TX 75206

Telephone: (214)821-8217
Preferred method of contact: I prefer to be contacted by mail above. However, if urgent, I can be reached by telephone at (214)239-0121 between 7 a.m.-4 p.m. CST.
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, nutrient management, insects
Primary crop and livestock enterprises: ornamentals, vegetables, cover crops, legume cover crops, non-legume cover crops
Description of Sustainable Agriculture work: We are researching the use of homeopathic applications to the soil and plants to stimulate soil activity and plant health and vigor. As a grower for our retreat center, we produce a large variety of vegetables, fruits and herbs. Currently we are establishing several areas of research in conjunction with the Kerr Center for Sustainable Agriculture. Currently all crops are organically grown and certified by Ozark Small Farm Viability Project.

ref #:599 Individual

Donald L. Reddell
Texas Ag Exp. Station
Texas A&M University
Agri. Engineering Dept.
College Station TX 77843-2117

Telephone: (409)845-3931
FAX: (409)845-3932
Preferred method of contact: I prefer to be contacted via telephone, fax or mail.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: water management, soil management
Primary crop and livestock enterprises: fiber crops, feedgrains, small grains, beef cattle, chickens, dairy cattle
Description of Sustainable Agriculture work: I am a water management engineer applying techniques to conserve water in crop production in both rain and irrigated environments. As a water management engineer, my primary crops have been cotton, corn, wheat, grain sorghum and forage crops. I do research on irrigation methods and water conservation techniques to utilize rainfall, such as furrow diking. I have worked in both humid and semi-humid regions. Recently, I have been involved with developing best management practices for reducing erosion and chemicals in agricultural run-off.
Land Description: 160 acres of irrigated/dryland farming with emphasis on cotton/grain sorghum/wheat rotations.
Information resources available: We have factsheets and bulletins on irrigation water management, water conservation, water quality and plant response to water.

ref #:600 Individual

Stephen W. Searcy
Texas A&M University
Agricultural Engineering Dept.
West Campus Rt 4A
College Station TX 77843-2117

Telephone: (409)845-3668
FAX: (409)847-8627
Electronic address: SEARCY@VENUS.TAMU.EDU
Preferred method of contact: I can be contacted during normal work hours (CST) by phone or by e-mail.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: nutrient management, engineering
Primary crop and livestock enterprises: agronomic crops
Description of Sustainable Agriculture work: I am an engineer applying advanced computer technologies to the improved management of site-specific crop management. I am involved in the research and development of management systems and field machinery which will be capable of sustainable production techniques on small management zones. This research is intended to provide the farmer with tools that will improve his/her stewardship of the land, while maintaining a profitable level of production.
Land Description: Various sites in the state of Texas.

ref #:601 Individual

Rose Mary Seymour
Texas Ag Extension Service
Rt 3 Box 213 AA
Lubbock TX 79401-9746

Telephone: (806)746-6101
FAX: (806)746-6528
Preferred method of contact: I can be contacted by telephone or fax from 8 to 5, CST
Sust. Agric. Roles: information provider, Extension worker
Major Areas of Sust. Agric. Expertise: water management, soil conservation, information transfer/education
Primary crop and livestock enterprises: feedgrains, fiber crops
Description of Sustainable Agriculture work: I am an agricutural engineer Extension specialist conducting education programs & result demonstrations on best management practices in crop production to reduce or eliminate non-point source pollution. I also work in other areas of water quality concerns closely related to sustainable agriculture, such as rural water well testing and wellhead protection. Primary crops that I work with are cotton, grain sorghum and corn. Specific expertise is in the areas of chemigation safety equipment, LEPA of irrigation systems, surge irrigation and protection of groundwater quality.
Information resources available: We have factsheets on various aspects of water quality and water conservation.

ref #:602 Individual

Edward G. Smith
Texas Ag Extension Service
Texas A&M University
309 Anthropology, Dept. of Ag Economics
College Station TX 77843-2124

Telephone: (409)845-1751
FAX: (409)845-3140
Preferred method of contact: I prefer to be contacted by telephone or fax CST.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agricultural economics, information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, vegetables, fruit crops, beef cattle, dairy cattle, hogs, sheep, poultry
Description of Sustainable Agriculture work: As an ag economist working in the areas of policy and safety, I have and will continue to examine the economic impacts on U.S. agriculture (sector and firm) resulting from changes in U.S. or foreign policy and/or changes in technology (including alternative production systems). I am not an advocate for any policy and/or system, and thus will continue to objectively analyze the issues and/or alternatives.
Information resources available: The results for any of the analyses I have been or will be associated with are available in the public section.

ref #:603 Individual

Chris Wieck
PO Box 8
Umbarger TX 79091

Telephone: (806)499-3384
Preferred method of contact: I prefer to be contacted via telephone, evening hours, or by mail.
Sust. Agric. Roles: full-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: livestock production, farm management, marketing
Primary crop and livestock enterprises: feedgrains, forage crops, small grains, legume vegetables, beef cattle, chickens, turkeys, hogs
Description of Sustainable Agriculture work: I am a producer of crops, cattle and poultry. I am diversifying my operation to include processing and direct marketing. As a producer who believes that farming should consist of more than just striving for large production, I am integrating on-farm processing into my operation to maximize profit. I process my farm-raised natural chicken and turkey in my inspected poultry processing plant and market directly to consumers. All crops raised on my farm are fed back to livestock. I minimize inputs into crop production by raising my own seed, and foregoing commercial fertilizers, herbicides and insecticides.
Information resources available: personal letters, telephone conversations.

ref #:604 Organization

Agriculture & Food Policy Center
Dept. of Agri. Economics
Texas A&M University
College Station TX 77840

REF. 602-605

Telephone: (409)845-5913
FAX: (409)845-3140
Contact people: Ron Knutson, Edward G. Smith, Lawrence A. Lippke, James Richardson
Major Areas of Sust. Agric. Expertise: agricultural economics
Primary crop and livestock enterprises: agronomic crops, fiber crops, feedgrains, small grains, oilseeds, dairy cattle, beef cattle, hogs, poultry, sheep
Description of Sustainable Agriculture work: The Agricultural and Food Policy Center (AFPC) does analyses of policy issues upon the request of members of the U.S. Congress. It maintains approximately 80 representative farms for this purpose. It also maintains agricultural policy simulation models for aggregate as well as farm level analysis. AFPC has completed analyses of the impacts of reduced chemical use in agriculture and expects to expand our work into the development of comparable sustainable and commercial panel farm operations.
Land Description: We have about 80 representative farms put together by farm panels. These are located in major production areas throughout the United States.
Information resources available: We produce reports (working papers) for the U.S. Congress, reporting research results.

ref #:605 Organization

Agriculture & Food Policy Center
308 Antropology Dept. Ag Economics
Texas A&M University
College Station TX 77843-2124

Telephone: (409)845-5913
FAX: (409)845-3140
Contact people: Ron Knutson, Edward G. Smith, James Richardson, Lawrence A. Lippke
Preferred method of contact: We prefer to be contacted by telephone or fax at the numbers listed above. We are located in the Central Time Zone.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agricultural economics, information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, vegetables, fruit crops, beef cattle, dairy cattle, hogs, sheep, poultry
Description of Sustainable Agriculture work: The AFPC is charged with economic analysis of policy and/or technology, concerning what will impact the long-run economic viability of local and U.S. agriculture. The Agriculture and Food Policy Center (AFPC) at Texas A&M University has as its stated objectives: The purpose of the Center is to conduct research and develop educational programs on federal and state policy proposals of economic significance to Texas agriculture...It is not the purpose of the Center to advocate particular policy alterna-

tives. Rather, the Center is to be a focal point for the identification and analysis of economic problems and means by which public policy tools could be used to ameliorate their consequences. The Center was developed to conduct objective evaluations of farm program impacts...The basic format for the Center's activities is that of developing and defining policy alternatives and evaluating their consequences.
Information resources available: The results for any AFPC analysis is available to the public section.

ref #:606 Organization

Arrowhead Mills Inc.
PO Box 2059
110 S. Lawton
Hereford TX 79045

Telephone: (806)364-0730
FAX: (806)364-8242
Contact people: Gary Brownd; Boyd Foster, President
Preferred method of contact: I prefer to be contacted by fax during working hours, Central Time Zone.
Sust. Agric. Roles: processor, information provider
Major Areas of Sust. Agric. Expertise: organic production, pest management, agronomic crop production
Primary crop and livestock enterprises: feedgrains, small grains, oilseeds, fiber crops, specialty industrial crops
Description of Sustainable Agriculture work: I am a buyer and processor of certified organic grains, beans and seeds. I purchase over 40 different organic commodities from North, Central and South America. I work directly with growers to support and encourage sustainable and organic farming practices.
Information resources available: brochures, pamphlets, bulletins, newsletter, meetings, public speakers, slides

ref #:607 Organization

Great Plains Composters Assn.
HCR 3 Box 34
Tulia TX 79088

Telephone: (806)627-4222
Contact people: Robert N. Birkenfeld; Darryl Birkenfeld, 735 Brevard Hereford TX 79045; Jerry Stein, Rt. 3 Box 480, Amarillo TX 79107.
Preferred method of contact: I can be contacted at my mobile phone number, (806)627-4275. Darryl Birkenfeld can be called at (806)364-1550. Jerry Stein can be phoned at (806)335-1872.
Sust. Agric. Roles: supply &/or service provider, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, soil management
Description of Sustainable Agriculture work: As members of the G.P.C.A., our goal is to gather all the information we can about the benefits of composted feedlot manure and the latest and best methods used in processing the materials, making all of this available to the agricultural community. The G.P.C.A. is currently working on test plots with area universities, comparing compost fertilizer with various other forms of fertilizer. This will give us valuable information needed to present to potential farm customers, gardeners, etc. We are also working closely with a very knowledgeable agronomist who has his own laboratory. He is also a member of the association and has been very helpful as far as mixing various materials with the manure and improving on the composting process. He also analyzes the compost samples to ensure our organization of an excellent quality product.
Information resources available: The association is currently working on research and factsheets to be compiled and then put into brochures and bulletins to be made available to area farmers, gardeners, etc.

ref #:608 Organization

Maddox Ranch
Rt 3 Box 295
Colorado City TX 79512

Telephone: (915)728-5807
Contact people: Joe Maddox, Dalton Maddox
Preferred method of contact: Contact us by telephone or mail.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agricultural economics, soil management, livestock production
Primary crop and livestock enterprises: beef cattle, goats-meat, sheep, wildlife
Description of Sustainable Agriculture work: With holistic resource management principles, we are managing our lives and rangelands to make them sustainable and environmentally safe for future generations.
Land Description: We manage 22,000 acres of rangeland in an area of west Texas situated in rolling plains which is in the Colorado River Basin and its tributaries. The soil is sandy with red loam soils, and we have an average annual rainfall of 18 to 20 inches. Mesquite and brush is available for wildlife consumption.
Information resources available: We have articles that have been written about our operation.

ref #:609 Organization

Natural Food Associates
PO Box 210
Atlanta TX 75551

Telephone: (903)796-3612
Contact people: Bill Francis, Lisa Arnold, Janice Elliot
Preferred method of contact: Business hours 8:00-5:00 Monday through Friday at above number or 1-800-594-2136.
Sust. Agric. Roles: information provider, farm advocacy and support
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production, soil management
Primary crop and livestock enterprises: cover crops, legume cover crops, forage crops, nonlegume forages, vegetables, beef cattle, poultry, beekeeping, chickens
Description of Sustainable Agriculture work: NFA is an association publisher, dedicated to changing public awareness in sustainable agriculture. NFA Educational

Association 4-point objective: 1. to teach people the value of natural, poison-free food grown on rich fertile soil, 2. to expose the dangers of chemicals in our food, water and land, 3. to show the inter-relationship of soil, water and human health, 4. to convince the American people that good food and better health are necessary to save our civilization.
Land Description: 400 acres primarily pastureland, has meadows in support of beef cattle operation, 5 acres vegetable production, orchards.
Information resources available: Natural food and farming magazines, resource information/subject specific, and sustainable agriculture books, periodicals, brochures, research data, etc.

ref #:610 Organization

Peace Valley Farm
c/o The Institute of Man
3524 Bremen
Dallas TX 75206

Telephone: (214)821-8217
Contact people: Charles E. Ranson, Martin Gordan,
Preferred method of contact: I prefer to be contacted by mail at above address. However, if urgent I can be reached by telephone at home between 7 a.m. and 4 p.m. CST.
Sust. Agric. Roles: part-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, nutrient management, insects
Primary crop and livestock enterprises: vegetables, cover crops, legume cover crops, nonlegume cover crops
Description of Sustainable Agriculture work: We are researching the use of homeopathic application to soil and plant material to stimulate soil activity plant health and vigor. As a grower for our retreat center, we produce a large variety of vegetables, fruit and herbs. We are setting up several areas of research in conjunction with the Kerr Center for Sust. Agri. Currently all crops grown are used at our retreat center. All crops are organically grown and certified by Ozark Small Farm Viability Project.
Land Description: The Center consists of 70 acres located in the foothills of the Caddo Mtns. Approximately 15 acres are open, with only 5 in production. The remainder is natural woodland.
Information resources available: field days, meetings, workshops

ref #:611 Organization

Texas Ag Exp. Station
Department of Entomology
Texas A&M University
College Station TX 77843

Telephone: (409)845-7026
FAX: (409)845-7029
Contact people: Ray Frisbie
Preferred method of contact: Contact us any time between 8 a.m and 5 p.m. CST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: insects
Primary crop and livestock enterprises: fiber crops
Description of Sustainable Agriculture work: I am the integrated pest management (IPM) coordinator for Texas responsible for administering research and Extension IPM programs. I am a professor of entomology and director for the Center for Biologically Intensive IPM working in major commodities of cotton, corn, sorghum, peanuts, vegetables, pecans and citrus.
Information resources available: We have bulletins and factsheets for IPM on cotton, corn, small grains, vegetables, peanuts, citrus and pecans.

REF. 610-614

ref #:612 Organization

Texas Ag Extension Service
Texas A&M University
306 Scoates Hall
College Station TX 77843-2117

Telephone: (409)845-7453
FAX: (409)847-8828
Contact people: Bruce J. Lesikar
Preferred method of contact: I prefer to be contacted via telephone at above number during working hours CST.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, water management, soil management
Primary crop and livestock enterprises: beef cattle, dairy cattle
Description of Sustainable Agriculture work: I am a researcher looking at non-point source pollution from agricultural operations. I work with demonstration projects on land application of waste and its effect on water quality.
Information resources available: We have factsheets on water quality, waste management and efficient water use.

ref #:613 Organization

Texas Ag Extension Service
Box 220
Overton TX 75684

Telephone: (903)834-3847
Contact people: George Philley
Sust. Agric. Roles: Extension worker
Major Areas of Sust. Agric. Expertise: diseases
Primary crop and livestock enterprises: stone fruits, small fruits, cucurbits, greenhouse or nursery, small grains
Description of Sustainable Agriculture work: plant pathologist — all crops

ref #:614 Organization

Texas Ag Extension Service
Rt 2 Box 1
Stephenville TX 76401

Telephone: (817)968-4144

FAX: (817)965-3759
Contact people: Thomas A. Lee Jr.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: diseases, agronomic crop production, horticultural crop production-vegetables
REF. 615
Primary crop and livestock enterprises: oilseeds, small grains, cucurbits, fruit crops, feedgrains
Description of Sustainable Agriculture work: I am a plant pathological specialist looking at biological control of soil pathogens. 1. Chemical product testing, 2. Variety testing, 3. Biological organism testing, 4. Rotational effects, 5. Grower educational programs.
Land Description: Sandy clay loam in central Texas.
Information resources available: field days, meetings

ref #:615 Organization

Texas Water Resources Inst.
Texas A&M University
College Station TX 77843-2118

Telephone: (409)845-1851
FAX: (409)845-3932
Contact people: Wayne R. Jordan
Preferred method of contact: I prefer to be contacted by mail, phone or fax during working hours CST.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: water management, agronomic crop production, information transfer/education
Primary crop and livestock enterprises: agronomic crops, turfgrasses
Description of Sustainable Agriculture work: The Institute plans, coordinates and funds research related to use and protection of water resources in agriculture. It describes results in its publications. The Institute serves as the focal point for all water-related research at Texas A&M University. The director provides staff assistance in planning, coordination and evaluation of water research programs for the Texas Agricultural Experiment Station. Research includes water use efficiency, irrigation, economics and policy, and water quality protection.
Land Description: Research is conducted on all soil resource groups in Texas.
Information resources available: Research reports are published as technical reports. Two newsletters, "Texas Water Resource" and "New Waves," are published monthly and are available free of charge. Meetings and workshops are scheduled periodically on topics of current interest.

31888 c PDF

UTAH

REF. 616-619

ref #:616 Individual

Steve & Jenny Erickson
Ranui Gardens
1459 Hoytsville Road
Coalville UT 84017

Telephone: (801)336-2813
Preferred method of contact: I prefer to be contacted by mail, or by telephone in the evenings.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-vegetables, farm management
Primary crop and livestock enterprises: herbs, greenhouse or nursery
Description of Sustainable Agriculture work: I am primarily a herb grower applying biodynamic techniques on our 2½ acres at 6,000-feet elevation. We grow culinary herbs, salad greens and lettuce, which are sold fresh to distributors and restaurants. We are doing a small amount of contract growing for specialty crops, including medicinal herbs. We use biodynamic growing methods and are certified by the Demeter Association of America. We publish a newsletter giving gardening information on short-season growing. We have designed and sell a garden cloche, small greenhouse and a rapid-fork (a kind of broad fork).
Land Description: We have 2½ acres devoted to intensive horticulture. It is sandy loam soil with a clear stream running through the middle of the land.
Information resources available: brochures, pamphlets, newsletter, slides

ref #:617 Inidividual

Sonja Wallace
Utah Dept. of Env. Quality
288 North 1460 West
Salt Lake City UT 84114-4810

Telephone: (801)538-6121
FAX: (801)538-6016
Preferred method of contact: I prefer to be contacted by telephone at above number Mtn. Standard Time, during working hours.
Sust. Agric. Roles: gov't. policy development, gov't. policy administration
Major Areas of Sust. Agric. Expertise: soil management, water management, agricultural economics
Description of Sustainable Agriculture work: I am the Utah Pollution Prevention Coordinator and interested in sust. ag practices. With the establishment of a new state dept. (Dept. of Enviro. Quality), we have designated pollution prevention as one of our top priorities. We are interested in becoming more involved in sust. ag. We have received EPA funding for our pollution prevention grant and hope that we can augment existing programs.
Information resources available: We are in the process of developing three different brochures on sust. ag and also developing a video on "What is LISA?"

ref #:618 Organization

Utah State University
Ag Systems Tech. & Ed. Dept.
UMC 2300
Logan UT 84322

Telephone: (801)750-2240
FAX: (801)750-4002
Contact people: Gilbert A. Long
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am an education & Extension professional studying sustainable agriculture in Utah. I am conducting a statewide survey of Utah farmers to determine their crop & livestock system usage.
Information resources available: factsheets, monographs

ref #:619 Organization

Utah State University
Dept. of Biology
Logan UT 84322-5305

Telephone: (801)750-2516
FAX: (801)750-1575
Electronic address: Insect3@cc.usu.edu
Contact people: Diane G. Alston, Phil Rasmussen, J. LaMar Anderson, Sherman V. Thomson
Preferred method of contact: I prefer to be contacted via telephone at above number Mtn. Time Zone, or via electronic mail at above address.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: insects, horticultural crop production-fruits, weeds
Primary crop and livestock enterprises: pome fruits, cover crops, stone fruits, fruit crops, vegetables
Description of Sustainable Agriculture work: I am a university researcher/Extension specialist studying and implementing the use of cover crops in fruit orchards for improved pest management and biological control. I work with apple and tart cherry orchards primarily; I work with phytophagous spider mites and their primary natural enemy, the Western orchard predatory mite; I work with planted and natural cover crop manipulation in orchards.
Information resources available: We have factsheets and bulletins on sustainable pest management systems.

VIRGINIA

REF. 620-623

ref #:620 Individual

John O'Malley Burns
Goat Hill Organic Farm Inc.
Rt 626 PO Box 367
Washington VA 22747

Telephone: (703)675-3982
FAX: (703)675-1149
Electronic address: HN 1549
Preferred method of contact: anytime
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, marketing, organic production
Primary crop and livestock enterprises: vegetables, greens (including salads), solanaceous vegetables, small fruits, herbs, goats-meat, goats-dairy, sheep, wildlife, poultry
Description of Sustainable Agriculture work: I am a fruit and vegetable grower, standards promoter, farmer organizer and inspector. I farm 4 to 12 acres organically (certified by VABF), selling to the D.C. market — greens, tomatoes and gourmet vegetables. I work statewide and regionally to assist other farmers in starting up sustainable practices.
Land Description: My farm is on 10 acres of riverbottom floodplain, with 8 acres of hillside/orchard/pasture/garden.
Information resources available: Call with a specific problem in this area and I will answer or refer.

ref #:621 Individual

Vicki Karagianis
VA Assn. for Biol. Farming
PO Box 834
Floyd VA 24091

Telephone: (703)745-4065
FAX: (703)342-4231
Preferred method of contact: I wish to receive calls only about VABF publications. There are other contacts for certification, etc. Afternoon hours are best. If using a fax, you must call first.
Sust. Agric. Roles: information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, horticultural crop production-vegetables
Description of Sustainable Agriculture work: My principal goal is to spread the word about new, innovative and sustainable practices, with emphasis on the use of local resources. I also work to promote local self-development of rural areas so that each may retain its unique character. I currently serve as information gatherer and editor of "The Virginia Biological Farmer," a quarterly publication of VABF. I've also developed information sheets, brochures and other publications for the group. In the past I worked with the Home Horticulture Extension Specialist at Virginia Tech, where I was able to "sneak" a great deal of "alternative" information into Extension publications, not normally offered by Extension at that time. This was done with the blessings of my supervisor.

ref #:622 Individual

Margaret Merrill
PO Box 111
Greenwood VA 22943

Telephone: (703)456-6106
FAX: (804)971-7035
Preferred method of contact: It is best to telephone me at home between 7 p.m. and 9 p.m. EST (703)456-6106). I may, if preferable, be reached at work — (804)979-7151, ext. 400.
Sust. Agric. Roles: information retrieval, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, philosophy of sustainable agriculture, history of sustainable agriculture
Description of Sustainable Agriculture work: I specialize in accessing all kinds of information on every aspect of environmentally sound agriculture. As a reference librarian, I directly or indirectly access information on any subject from libraries, information centers, and frequently individual experts all over the world. As a specialist in information on sustainable agriculture, I often network people and projects as well as engage in research on the history and philosophy of sustainble agriculture.
Information resources available: As can any librarian, I can obtain printed materials from almost any library or information center anywhere. I would be glad to instruct or assist users in how to obtain or use this service.

ref #:623 Individual

Joel F. Salatin
Polyface Inc.
Rt 1 Box 281
Swoope VA 24479

Telephone: (703)885-3590
Preferred method of contact: I prefer to be contacted by telephone anytime or by mail.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: livestock production, farm management, marketing
Primary crop and livestock enterprises: forage crops, forestry, vegetables, chickens, beef cattle, poultry, rabbits, wildlife
Description of Sustainable Agriculture work: I am a full-time third generation organic farmer. We integrate forestry, livestock and poultry with direct marketing to maintain environmental and economic viability. We pro-

duce customer-certified poultry, beef, rabbit, eggs and vegetables directly to a regional customer base. We farm organically and integrate large-scale composting, pastured poultry (both meat and eggs), forestry, ponds and perennial polyculture forages in a forage-fattened beef enterprise that includes intensive controlled grazing and portable shade. On-farm processing ensures quality to the retail store.

Land Description: Our farm is 550 acres, with 450 acres of woodland and 100 open acres. North Mountain rises steeply up one part of the farm, yielding 70 more gently rolling wooded acres on top the mountain. The elevation shift is 1,800 feet to 2,800 feet.

Information resources available: Every couple of years we host a field day. We have written a 60-page booklet — "The Pastured Poultry Manual: The Polyface Model" — that we can mail out. We do slide programs and speak at conventions around the U.S.

ref #:624 Individual

Mark Schonbeck
Institute For Sust. Living
Windswept Farm
Rt 1 Box 35
Check VA 24072

Telephone: (703)651-3412

Preferred method of contact: I prefer to be contacted by letter or phone after sunset and before 10 p.m. during growing season, or anytime in winter.

Sust. Agric. Roles: full-time gardener, researcher/consultant

Major Areas of Sust. Agric. Expertise: cover crops, organic production, weeds

Primary crop and livestock enterprises: cover crops, vegetables, greenhouse salad greens, small grains

Description of Sustainable Agriculture work: I am a gardener in an alternative community, developing a food garden to provide a complete diet using sustainable and organic methods. My primary objective is to develop a food cropping system that provides a complete, healthful diet using sustainable, bioregionally appropriate methods and on-site sources of soil fertility, energy and pest control. I also seek to help others achieve related goals through information exchange, demonstration, writing articles and information sheets, consulting and research. I draw on 10 years experience in agricultural research, the last four of which focused on cover cropping, weed management, natural soil management and organic vegetable production in New England (1986-1990).

Land Description: We have 5 acres of fertile loam and clay-loam on a rolling plateau in the Appalachians. We have moderate summer temperatures, and a fairly mild winter (zone 6b/7a). About ⅓ acre is in vegetables and experimental cereal grains, dry legumes and oilseed crops. About 2½ acres is in hay. Two acres is in woods and brush.

Information resources available: Currently, I share information on an informal basis and periodically write articles for the sustainable farming press (eg. The Natural Farmer, and Virginia Biological Farmer). I present workshops and participate in field days. I am considering developing an organic/sustainable growers' consulting service once I have a bit more experience in this bioregion.

ref #:625 Individual

REF.
624-
626

Rick M. Williams
Ferrum College
Life Science Division
Ferrum VA 24088

Telephone: (703)365-4372

Preferred method of contact: Contact me by phone during working hours EST, or by mail at my office or my home, Rt. 3 Box 253, Ferrum VA 24088.

Sust. Agric. Roles: teacher, thinker

Major Areas of Sust. Agric. Expertise: philosopher, artisan, naturalist

Primary crop and livestock enterprises: agronomic crops, legume cover crops, forage crops, forestry, fruit crops, chickens, goats-meat, sheep

Description of Sustainable Agriculture work: I am a philosopher/artisan practicing and changing the arts of agriculture by virtue of thought, teachings and practice. I have been practicing various approaches to "farming" as a farm worker and farm operator over 20 years. As well, I have been educated and have educated myself by formal means at land-grant universities and informal means through self-study and tutelage from various elders. At the same time, I have learned much as a teacher from my diverse body of students.

Land Description: My research site consists of approximately 100 acres of mountain land (Appalachia of Virginia), with about 20 acres open and 10 acres arable (Class IIe). The soils are mostly Hapludults and Dystrochrepts. The forested portion of the site consists mainly of tulip poplars, oaks, pines, etc.

Information resources available: I will make available at nominal charge my work on sustainability, culture and philosophy. I am also willing to talk to groups regarding the meanings, complexities and philosophic significance of sustainability. I can also provide illustration and metaphor...the structure of language and phenotype.

ref #:626 Organization

Josephine Porter Institute
PO Box 133
Woolwine VA 24185

Telephone: (703)930-2463

Contact people: Hugh Courtney, Nicolas Franceschelli

Preferred method of contact: Please contact me by mail or phone after 9 a.m. EST.

Sust. Agric. Roles: producing biodynamic preparations, teacher

Major Areas of Sust. Agric. Expertise: biodynamic preparations

Primary crop and livestock enterprises: biodynamic preparations, beef-dairy cross, manure cows

Description of Sustainable Agriculture work: We provide biodynamic preparations to those who cannot or do not wish to make their own, and provide educational services and information on biodynamic preparations and biodynamic agriculture.

Land Description: We have a 100-plus-acre farm. About half of it is wooded, and the balance is in hay, scrub and pasture. Some of our land is too steep to farm. Some is bottomland.

Information resources available: We have a free introductory information package available upon request. We also provide a full line of books, pamphlets and fact-sheets about biodynamic preparations and biodynamic agriculture. We also provide direct training to seriously interested parties. We also will travel to educate seriously interested practitioners.

ref #:627 Organization

Partners In The Environment
6911 Richmond Hwy., Suite 308
Alexandria VA 22306

Telephone: (703)765-8463
FAX: (703)765-8426
Contact people: Bryan Krizek
Preferred method of contact: Contact me by phone during office hours EST, or by fax anytime.
Sust. Agric. Roles: farm advocacy and support, help Native American farmers
Major Areas of Sust. Agric. Expertise: information transfer/education, organic production
Description of Sustainable Agriculture work: We support programs to inform and educate Native Americans in sustainable agriculture and protection of the environment. We have two major projects in 1992: 1) International Organic Gardening Training Program, Pine Ridge Indian Reservation, South Dakota. A 14-week cooperative project between the University of Bonn, Germany, and the Ogalala Lakota College, joins faculty and students. "Partners'" role is planning, coordination and financial support. 2) Joined with other organizations to have sustainable agriculture included in Agenda 21 of the Earth Summit. Because of our work, world governments have agreed to speed the transition from conventional to sustainable agriculture.
Information resources available: As a new organization, we don't have printed materials to share yet. However, we will be happy to distribute an evaluation of the experience to all interested persons.

ref #:628 Organization

Solid Waste Composting Council
114 South Pitt Street
Alexandria VA 22314

Telephone: (703)739-2401
FAX: (703)739-2407
Contact people: Randall Monk
Sust. Agric. Roles: trade association
Major Areas of Sust. Agric. Expertise: compost use
Primary crop and livestock enterprises: forestry, ornamentals, vegetables
Description of Sustainable Agriculture work: The SWCC was created with the purpose of improving public and market acceptance for composting processes and products. Its principal aims are to develop standards for compost products, to define compost products as recycled materials, and to serve as an information clearinghouse.
Information resources available: brochures, pamphlets, books, newsletter, meetings, video, annual conference

ref #:629 Organization

Springtree Agroforestry Project
Rt 2 Box 89
Scottsville VA 24590

Telephone: (804)286-3466
FAX: (804)286-4774
Contact people: Andy Wilson
Preferred method of contact: Please contact us via telephone at above number during working hours (EST) or by mail at the above.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agroforestry, soil conservation, information transfer/education
Primary crop and livestock enterprises: agroforestry, honeylocust, persimmon, pawpaw, sheep, beef cattle
Description of Sustainable Agriculture work: We are researching the efficiency of establishing honeylocust trees (*Gleditsia triacanthos*) in operating pastures and the efficiency of feeding honeylocust pods to sheep and cattle. As agroforestry researchers we have established a demonstration planting of pasture honeylocust trees. Honeylocust produce high-nutrient pods which can be self-harvested by livestock in the fall when grass production is declining. Electric fences and TUBEX tree guards are used to protect the grafted honeylocust. Research is continuing on tree protection systems, cultivar evaluation, grass production under trees, food value of the pods, and an economic evaluation of the project. A Honeylocust Research Group has been formed. Information on research results and establishing a pasture agroforestry planting is available.
Land Description: We have a 120-acre operating farm and research site.
Information resources available: We have factsheets, monographs and bibliographies on honeylocust and agroforestry which we can mail to interested parties.

ref #:630 Organization

Virginia Assn. for Biol. Farming
PO Box 252
Flint Hill VA 22627

Telephone: (703)675-3982
FAX: (703)675-1149
Electronic address: HN 1549 HANDS NET
Contact people: John O'Malley Burns, Ellen Polishuk
Preferred method of contact: Contact by phone, fax, HANDS NET
Sust. Agric. Roles: farm advocacy and support, information provider
Information resources available: We have a research and technical information committee.

VERMONT

ref #:631 Individual

Vern Grubinger
University of Vermont
Extension System
PO Box 2430
West Brattleboro VT 05303

Telephone: (802)257-7967
FAX: (802)257-0112
Electronic address: windham_co@uvmvax.uvm.edu
Preferred method of contact: Telephone me during business hours EST, or write with specific requests for information.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, organic production, nutrient management
Primary crop and livestock enterprises: vegetables, cover crops
Description of Sustainable Agriculture work: As Extension specialist of sustainable agriculture/small fruit and vegetables for the state of Vermont, I advise commercial growers on economically and environmentally viable production methods. I provide a number of educational and service resources to commercial growers and their organizations. These include: publication of a monthly newsletter, arranging conference programs on a variety of topics, giving lectures to meetings upon request, farm visits, and mailing of written information. My areas of specialization include non-chemical pest control methods, composting, and cover crop management.
Land Description: A 2-acre site next to my office for observational trials and community gardens is being developed. Otherwise, I conduct on-farm trials at the courtesy of growers.
Information resources available: I have a wide variety of factsheets on horticultural production. A catalog is available from the University of Virginia at Burlington.

ref #:632 Individual

William K. Kruesi
Rt 1 Box 549
Wallingford VT 05773

Telephone: (802)446-2411
FAX: (802)446-2411
Sust. Agric. Roles: supply &/or service provider, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: livestock production, information transfer/education, organic production
Primary crop and livestock enterprises: forage crops, sheep, goats-fiber, goats-meat
Description of Sustainable Agriculture work: I am an independent consultant for sheep and goat producers throughout the U.S. and Canada. I am author of "The Sheep Raiser's Manual" (1984) and the "The Lamb Marketing Primer" (1991). I am a member of the Sust. Ag Research (USA) Program Administrative Council (1991-1993) and Technical Review Committee (1989-1991). I conduct workshops, clinics and shortcourses on all aspects of sheep and goat production, management and marketing. I provide cervical artificial insemination service and training for sheep breeders; I am the first to offer this practice in the U.S. I conduct research on utilization of standing winter forage by sheep and goats.
Land Description: I operate a diversified 240-acre farm with 70 acres of hay, 55 acres of pasture, maple sugarbush and livestock.
Information resources available: Available services include: Transcervical artificial insemination of sheep & fiber goats; imported frozen semen from New Zealand, Australia, and Canada; reproductive mgmt. and artificial insemination training; more than 20 factsheets on sheep and goat production; list of 30 workshop topics and short talks on sheep and goat handling, nutrition, selection and other topics.

ref #:633 Individual

Andy Lee
Integrated Market Garden Sys.
1951A Shelburne Road
Shelburne VT 05482

Telephone: (802)985-8184
FAX: (802)985-8184
Contact people: Patricia Foreman
Preferred method of contact: Contact me by letter, phone or fax. Please be specific when calling.
Sust. Agric. Roles: consultant, teacher
Major Areas of Sust. Agric. Expertise: marketing, organic production, permaculture
Primary crop and livestock enterprises: vegetables, cover crops, small fruits, cut flowers, greens (including salads), chickens, hogs, turkey, beef cattle, beekeeping
Description of Sustainable Agriculture work: I am an experienced organic farmer and agriculture writer offering consulting, public speaking, workshops and courses in successful market gardening. My primary focus is to offer books, workshops, public speaking and consulting that will enable small-scale agricultural entrepreneurs to become successful and profitable. I emphasize direct marketing and community supported agriculture.
Information resources available: I wrote "Backyard Market Gardening, the Entrepreneur's Guide to Selling What You Grow." It is 352 pages, illustrated, and is a complete guide to sites and soils, composting, business planning and successfully marketing crops through farmers markets, roadside stands, pick-your-own community supported farms, and membership gardens. It is available from Good Earth Publications, Box 4352, Burlington, VT 05406, (802)985-8184, $24.94+$2.50 p&h.

ref #:634 Individual

Bill Murphy
University of Vermont
Dept. of Plant and Soil Science
Burlington VT 05405-0082

Telephone: (802)656-0485
FAX: (802)656-4656
Preferred method of contact: I prefer to be contacted via telephone at above number during working hours EST.
Sust. Agric. Roles: researcher, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, pasture management
Primary crop and livestock enterprises: agronomic crops, forage crops, legume forages, nonlegume forages, pasture, chickens, dairy cattle, poultry, sheep
Description of Sustainable Agriculture work: I am an agronomist researching pasture management and livestock feeding on well-managed pastures. I am involved in a detailed study of grass, legume and soil organism responses to grazing management, and balancing rations of dairy cows fed on well-managed pasture.
Land Description: Research is on a 150-acre dairy farm, grazing 55 high-producing (19,200-lb. herd average) Holsteins. My own farm is 25 acres; used to feed 35-40 Holstein heifers during six-month grazing season.
Information resources available: Book on pasture mgmt.: "Greener Pastures on Your Side of the Fence." 298 pp. $19.95 + $1.50 shipping, from Arriba Publishing, 213 Middle Rd., Colchester VT 05446. Two videos: Part 1. Voisin controlled grazing mgmt. (33 min.), Part 2. Equipping for maximum pasture forage production. $15 each (shipping included) from Dept. of Plant and Soil Science, Univ. of Vermont, Burlington, VT 05405-0082. Prepaid check payable to Univ. of Vermont needed.

ref #:635 Individual

Paul Sachs
North Country Organics
RR 1 Box 2232
Depot St.
Bradford VT 05033

Telephone: (802)222-4277
FAX: (802)222-9661
Sust. Agric. Roles: supply &/or service provider
Major Areas of Sust. Agric. Expertise: soil management, nutrient management, soil biology
Information resources available: brochures, pamphlets, catalog, slides

ref #:636 Organization

Good Earth Publications
Box 4352
Burlington VT 05406

Telephone: (802)985-8184
FAX: (802)985-8184
Contact people: Patricia Foreman, Andy Lee
Preferred method of contact: I can be contacted by phone, fax or mail. Please be specific when calling.
Sust. Agric. Roles: book publisher, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: Good Earth Publications publishes books focused on small-scale, earth-friendly food production systems. We are soliciting manuscripts from small-scale farmers for national and international distribution. Good Earth Publications is dedicated to publishing books offering cultural and management advice for small-scale agricultural entrepreneurs. We are soliciting manuscripts by and about successful market gardeners.
Information resources available: We publish "Backyard Market Gardening, the Entrepreneur's Guide to Selling What You Grow." It is 352 pages, is illustrated, and serves as a complete guide to finding and improving sites and creating a successful and profitable market gardening business. It features extensive coverage of farmers markets and community-supported farms (CSAs).

ref #:637 Organization

Intervale Foundation
128 Intervale Rd.
Burlington VT 05401

Telephone: (802)660-3508
FAX: (802)660-3501
Contact people: Andy Lee
Preferred method of contact: I prefer to be contacted by letter, telephone or fax. Please be specific when calling.
Sust. Agric. Roles: teacher, information provider
Major Areas of Sust. Agric. Expertise: organic production, marketing, permaculture
Primary crop and livestock enterprises: vegetables, cover crops, cut flowers, small fruits, herbs, chickens, hogs, turkey, beekeeping, beef cattle
Description of Sustainable Agriculture work: I design, demonstrate and teach market-gardening, community-supported agriculture, permaculture and biointensive garden-farming. We use food-production systems that are environmentally-sensitive, economically sensible and socially just. Intervale Foundation manages the Burlington Municipal Compost project, which produces about 7,500 cubic yards of leaves annually. We use the compost to reclaim worn-out cornfields, and rent the enriched land to market gardeners in our small farm incubator. We manage the 150-family Intervale Community Farm, and offer a 20-week for-credit intern training program, and a six-week discover gardening workshop.
Land Description: Our farm consists of floodplain soil. Thirty acres are leased from the City of Burlington, Vt. The land has been in continuous cow/corn production for 50-plus years. We are reclaiming the land with compost, cover crops and crop/livestock rotation.
Information resources available: We have a free three-page description of our projects. We have four-page bulletin on composting, soil improvement, community supported agriculture, and gardening. These are free from our affiliate, Gardeners Supply Company. We sell the book, "Backyard Market Gardening, The Entrpreneur's Guide to Selling What you Grow," 352 pages illustrated. $24.95 plus 2.50 postage and handling.

ref #:638 Organization

Natural Organic Farmers Assn.-VT
15 Barre St.
Montpelier VT 05602

Telephone: (802)229-4940
Contact people: Enid Wonnacott
Preferred method of contact: I prefer to be contacted by telephone anytime. Callers can also leave a message on the answering machine.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, certification
Information resources available: We have information on organic production practices in the Northeast, organic dairy farming, and community-supported agriculture.

ref #:639 Organization

Organic Farmer (Digest)
15 Barre St.
Montpelier VT 05602

Telephone: (802)223-7222
FAX: (802)223-0269
Electronic address: ECONET:orgfarm
Sust. Agric. Roles: information provider, Networking/ Communication
Description of Sustainable Agriculture work: Organic Farmer is a quarterly digest of news and information gleaned from over 125 newsletters & magazines from around the world. Organic Farmer also has a special feature section each quarter that takes an in-depth look at a topic of vital importance to the organic and sustainable agriculture movement. Organic Farmer is a national quarterly journal of sustainable and organic agriculture that serves organic, transitional and sustainable farmers as a vehicle for sharing information and a means of connecting with the expanding mutual support network. Organic Farmer also serves the broader sustainable community: gardeners, Extension, researchers, university agriculture departments, environmentalists, consumers and organic industry representatives. Organic Farmer provides feature coverage of topics most vital to the organic/sustainable movement. It links people throughout the U.S. (and the world) in a sustainable agriculture network, and tries to accurately reflect the healthy diversity of opinion that marks the organic/sustainable farming movement.
Information resources available: Focus: An in-depth feature devoted to key issues. "Grassroots Gleanings": Important news and information gleaned from 125 publications. "What's Useful": Practical, hands-on information. "Organic Resources": Books, videos and other resources. "Legislative Review": An important look at policies that affect organic/sustainable ag. "OFAC Update"; up-to-date news and info from OFAC. PLUS: No comment (comic relief), Letters from readers, Events and Announcments and more.

ref #:640 Organization

Rural Vermont
15 Barre St.
Montpelier VT 05602

Telephone: (802)223-7222
FAX: (802)223-0269
Contact people: Kate Duesterberg, Tim Atwater, Chris Wood
Preferred method of contact: Contact us by phone (M-F, 9-5) or fax.
Sust. Agric. Roles: farm advocacy and support, gov't. policy development
Major Areas of Sust. Agric. Expertise: organizing, awareness raising, policy development & advocacy
Description of Sustainable Agriculture work: "Rural Vermont" is a farm advocacy organization that works with farmers and other organizations. We advocate changes in policies which impede widespread adoption of sustainable agriculture, raise awareness and encourage consumer support for low-input farm products, and assist farmers who are making the transition to sustainable farming methods. The three major projects of Rural Vermont Sustainable Agriculture Program are: a) with other farm advocacy, organic and food justice organizations, organize a Northeast Sustainable Food Production System Network, which will plug into the national network of Sustainable Agriculture Working Groups, b) work with Vermont dairy farmers to create a super-premium (produced in an environmentally and economically sustainable manner) Vermont fluid milk bottling and marketing enterprise that provides a fair return for the product, c) establish a pilot subscription-style poultry project, to enable dairy farmers to diversify with less economic risk and to promote a more localized food production system.
Information resources available: "Rural Vermont Report," a quarterly newsletter, is available upon request (free to members). We also have information on state & federal policy initiatives pertaining to sust. ag practices & research. Rural Vermont is especially interested in the issues of sust. ag research & marketing, biotechnology, & international trade negotiations (GATT and NAFTA). In-depth reports on these issues are available through Rural Vermont.

WASHINGTON

REF. 641-644

ref #:641 Individual

Kassim Al-Khatib
Washington State University
1468 Memorial Hwy.
Mt. Vernon WA 98273

Telephone: (206)424-6121
FAX: (206)428-1331
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: weeds, agronomic crop production, horticultural crop production-vegetables
Primary crop and livestock enterprises: legume vegetables, cole crops, cucurbits, small fruits, legume forages
Description of Sustainable Agriculture work: I am a weed scientist researching weed control with minimum use of herbicides. I am a researcher who works to develop integrated weed control management. Herbicides are part of the program but are used at low rates. I am working primarily with green peas, horticultural crops and seed crops.
Land Description: I work at the research and Extension unit at Mt. Vernon (Wash. State Univ.). It is 100 acres of fields where we conduct research on horticultural and agronomic crops.
Information resources available: field days

ref #:642 Individual

Peggy Chevalier
Washington State University
Dept. of Crop and Soil Sciences
Pullman WA 99164-6420

Telephone: (509)335-3642
FAX: (509)335-8674
Preferred method of contact: I prefer to be contacted by telephone or fax during working hours PST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: agronomic crop production, tillage
Primary crop and livestock enterprises: small grains, legume cover crops
Description of Sustainable Agriculture work: I am an agronomist trying to develop viable rotations for low-rainfall areas. My specialty is crop physiology. I am working to identify crop traits associated with efficient water use in lentils, wheat and barley. I am working with a weed scientist and soil scientist to identify proper cultivars, a planting system and weed control measures to change from the current wheat/fallow system to a 3-year rotation without fallow. Significant wind and water erosion occurs during the fallow year; thus we want to eliminate the fallow. We are working in the 14- to 16-inch rainfall zone of east Washington. We receive mostly fall, winter and spring precipitation.
Land Description: I do research in the 14- to 16-inch rainfall zone and the 19- to 21-inch rainfall zone of eastern Washington. Both sites have deep, loose soil, and 0.5% to 2.5% organic matter. Most precipitation is received in the fall, winter and spring.

ref #:643 Individual

Christopher F. Feise
Washington State University
Cooperative Extension
7612 Pioneer Way East
Puyallup WA 98371-4998

Telephone: (206)840-4556
FAX: (206)840-4669
Preferred method of contact: Contact me by telephone, PST.
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, water management, agricultural economics
Description of Sustainable Agriculture work: I am water-quality education coordinator promoting education about nonpoint source pollution, watershed management and groundwater protection, waste reduction, and environmental ethics. As an educator, I am interested in management practices that reduce waste including nutrients and chemicals on farms and household hazardous wastes in homes.
Information resources available: We have factsheets on groundwater and agricultural topics. We have Washington state maps showing groundwater contamination sites.

ref #:644 Individual

Bruce E. Frazier
Washington State University
Dept. of Crop and Soil Sciences
Pullman WA 99164-6420

Telephone: (509)335-2381
FAX: (509)335-8674
Preferred method of contact: Contact me by mail, fax or phone at number above or at (509)335-3475.
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: remote sensing, information transfer/education, soil conservation
Primary crop and livestock enterprises: feedgrains, small grains
Description of Sustainable Agriculture work: I am a soil scientist studying soil management zones and promoting management by potential productivity levels. My research goal is to develop applications of remotely sensed information to benefit agricultural, land use and ecological investigations. Current objectives are to: (1) identify criteria and design soil management units which will be sensitive to inherent soil fertility, erodibility and potential productive capacity of the landscape; (2) pre-

dict soil management units through the crop canopy; (3) predict yield of wheat by growth models; and (4) define spectral relationships of both agronomic and natural plant communities.
Land Description: Most research is done in the Palouse region of eastern Washington. The Palouse is highly variable with a precipitation gradient from west to east of 8 inches to 22 inches, on loess soils with slopes from 0% to 50%.

ref #:645 Individual

David Granatstein
Washington State University
Dept. of Crop and Soil Sciences
Pullman WA 99164-6420

Telephone: (509)335-3491
FAX: (509)335-8674
Preferred method of contact: I prefer to be contacted in the morning (8-noon PST) via telephone at above number, or by mail.
Sust. Agric. Roles: information provider, researcher
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, information transfer/education
Primary crop and livestock enterprises: small grains, cover crops, legume forages, feedgrains
Description of Sustainable Agriculture work: I am an agronomist working on sustainable dryland cereal/legume cropping systems. I am helping farmers in the Northwest develop on-farm testing programs for soil conservation, moisture management and crop rotations. I am also involved in research on soil quality. I help produce the sustainable farming quarterly newsletter and numerous other information products.
Land Description: I work in the dryland region of the Northwest where annual preciptation ranges from 8-24 inches. Climate and soils vary tremendously, but limited moisture is a common constraint. In some areas, steeply sloping lands are farmed which are subject to severe soil erosion.
Information resources available: I have numerous publications available, including conference proceedings, research and Extension bulletins, the "Sustainable Farming Quarterly" newsletter, journal articles and a computer database about sustainable dryland farming.

ref #:646 Individual

An N. Hang
Washington State University
Research & Ext. Center-Prosser
Rt 2 Box 2953 A
Prosser WA 99350

Telephone: (509)786-2226
FAX: (509)786-4635
Preferred method of contact: I prefer to be contacted via telephone at (509)786-2226, ext. 311, during my working hours, Pacific Time Zone.
Sust. Agric. Roles: researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, pest management, water management
Primary crop and livestock enterprises: oilseeds, small grains, nonlegume cover crops, tuber vegetables, feedgrains
Description of Sustainable Agriculture work: I am an agronomist researching the effects of crop rotations and green manure for soil amendment to reduce the pesticide usage in crop production and control root knot nematode on potato. I use rapeseed and sudangrass as green manure in potato fields to provide cyanide after plowing down the green material and incorporate in the soil. The cyanide action requires vapour or telone II to control root knot nematode. Rapeseed is also used in crop rotation with wheat, bean, corn, potato to break down the weed and insect-disease cycle in the soil, to prevent winter erosion, to break the hardpan and to use the deep layer soil moisture and residual fertilizer which were left after crop.
Land Description: My land base is a research farm of Washington State Univ. Research Center. Soil is a silt loam (coarse silty mixed, mesic, Xerollic Camborthid).
Information resources available: Reprints or photocopies of the information are available.

ref #:647 Individual

Glen S. Johnson
Mother Flight Farm
2052 Skagit City Rd.
Mt. Vernon WA 98273

Telephone: (206)445-5006
Sust. Agric. Roles: full-time farmer/rancher, teacher
Major Areas of Sust. Agric. Expertise: organic production, soil management, horticultural crop production-vegetables
Primary crop and livestock enterprises: vegetables, small fruits, greens (including salads), root vegetables, tuber vegetables, poultry, geese, chickens
Description of Sustainable Agriculture work: I am an organic market-farmer studying all sorts of techniques of production and marketing of a large variety of produce. As owner-operator of Mother Flight Farm, I grow such diverse crops as asparagus, beans, beets, carrots, cabbage, broccoli, corn, tomatoes, potatoes, peas, spinach, lettuce, strawberries, raspberries, basil, wheat, radish, parsley and more. On these, I work on crop rotation, intercropping, compost research and soil studies.
Land Description: Our 12-acre farm is located on rich, alluvial delta soil. It is flat, sandy silt loam and is sub-irrigated from a nearby river.
Information resources available: We have research data available for those interested in our high-quality compost that is available for homeowners or large-scale farms.

ref #:648 Individual

Ann C. Kennedy
USDA-ARS
215 Johnson Hall
Washington State University
Pullman WA 99164-6421

Telephone: (509)335-1554
FAX: (509)335-3842
Preferred method of contact: Contact me by telephone or fax during working hours, PST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: soil biology, nutrient management, soil conservation
Primary crop and livestock enterprises: small grains, legume forages, legume cover crops, feedgrains, non-oilseed legumes
Description of Sustainable Agriculture work: I am investigating the role of soil microorganisms in sustainable agriculture. I have developed the use of naturally occurring, weed-suppressive bacteria to control grass weeds. Rhizosphere processes are being studied to enhance our understanding of microbial processes and community structure influencing the nitrogen cycle to increase N-use efficiency and maintain water quality. The changes in soil microbial diversity and dynamics resulting from manmade or natural perturbations are being evaluated to assess soil health. I am developing principles and methodologies to understand the microbial component of soil quality to improve human nutrition and preserve our natural resources of soil and water.
Land Description: My research site is located on deep loess soils on rolling landscape.

ref #:649 Individual

S. Kuo
Washington State University
Research/Extension Center
7612 Pioneer Way E.
Puyallup WA 98371

Telephone: (206)840-4573
FAX: (206)840-4671
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, water management
Primary crop and livestock enterprises: feedgrains, legume cover crops, nonlegume cover crops, nonlegume forages, small grains
Description of Sustainable Agriculture work: I am involved with research of corn, grasses and legumes on university farms.
Land Description: The soil is silt loam containing about 2% organic C. It is flat and usually water-saturated throughout the winter.
Information resources available: periodicals, proceedings

ref #:650 Individual

Thomas A. Lumpkin
Washington State University
Dept. of Crop and Soil Sciences
Pullman WA 99164-6420

Telephone: (509)335-2726
FAX: (509)335-8674
Electronic address: LUMPKIN@WSUVM1
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: East Asian traditional agriculture, agronomic crop production, information transfer/education
Primary crop and livestock enterprises: non-oilseed legumes, legume forages
Description of Sustainable Agriculture work: I am an agronomist who initiated and coordinates an East Asian crops development program. We introduce and develop production, processing and marketing systems for East Asian crops to increase agricultural diversity and farm income stability.
Land Description: We farm in an irrigated desert.
Information resources available: We have journal reprints.

ref #:651 Individual

James D. Maguire
Washington State University
Dept. of Crop and Soil Sciences
Pullman WA 99164-6420

Telephone: (509)335-9692
FAX: (509)335-8674
Preferred method of contact: Contact me by fax or phone.
Sust. Agric. Roles: teacher, consultant
Major Areas of Sust. Agric. Expertise: seed physiology, agronomic crop production, pest management
Primary crop and livestock enterprises: seeds, small grains, forage crops, oilseeds
Description of Sustainable Agriculture work: I am an agronomist investigating improved techniques for crop establishment and appropriate specialty crops. As a seed specialist, I develop seed enhancement techniques and seed quality evaluation procedures to enable establishment of appropriate crops in rotation to control soil erosion and sustainable yields, including specialty crops.
Land Description: My research site includes University research lands on campus, plus off-station sites involved with on-farm trials.
Information resources available: I have available appropriate subject matter in a university format, plus syllabi for distribution in courses, field tours and training programs.

ref #:652 Individual

Baird Miller
Washington State University
169 Johnson Hall
Dept. of Crop and Soil Sciences
Pullman WA 99164 6420

Telephone: (509)335-2858
FAX: (509)335-8674
Preferred method of contact: Please contact me via telephone at above number during working hours Pacific Time Zone.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, information transfer/education, soil conservation

Primary crop and livestock enterprises: agronomic crops, small grains, oilseeds, non-oilseed legumes
Description of Sustainable Agriculture work: I am an agronomist evaluating practices that improve our soil resources and contribute to sustainable agriculture in a dryland, cereal-based cropping system. As an agronomist, I work with wheat, barley, oats, triticale, peas, lentils, chickpeas, canola and other alternative crops under dryland growing conditions. I am leading a project on grower driven on-farm research for controlling soil erosion, improving N-fertilization efficiency and spring canola management. I am researching methods for precision management of crop production inputs.
Land Description: We have dryland cereal/legume-based cropping systems with annual rainfall ranging from 8-22 inches. The rainfall distribution is 60% between September and April. The soils are loess origin. The slopes range from 0-45%, with an average of 13%.
Information resources available: We have bulletins on conservation tillage, sustainable agriculture and water quality; an electronic citation database on historical sustainable agriculture practices for the Northwest; field days and brochures highlighting recent research progress; and factsheets on cereal production practices.

ref #:653 Individual

David Mulla
Washington State University
Dept. of Crop and Soil Sciences
Pullman WA 99164-6420

Telephone: (509)335-3650
FAX: (509)335-8674
Preferred method of contact: I prefer to be contacted by telephone during working hours PST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil management, water management, weeds
Primary crop and livestock enterprises: small grains, legume cover crops
Description of Sustainable Agriculture work: I develop methods of sampling farms to map nutrient levels and divide fields into management zones that can be fertilized at different rates. As a researcher, I am concerned with inefficient use of soil, water and fertilizer resources. Most farms are spatially variable in soil fertility and productivity. Improved approaches are needed for management of such farms. My research involves methods for precision or site-specific farming so that farm inputs can be matched to site conditions such as soil fertility and productivity.
Land Description: I conduct research on dryland and irrigated farms in eastern and central Washington.
Information resources available: bulletins, proceedings, research articles, public speakers, slides, workshops

ref #:654 Individual

Andrew V. Ogram
Washington State University
Dept. of Crop and Soil Sciences
Pullman WA 99164 6420

Telephone: (509)335-3656
FAX: (509)335-8674
Preferred method of contact: I prefer to be contacted via telephone or by fax during working hours PST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil biology, soil quality
Description of Sustainable Agriculture work: I am an assistant professor of soil microbiology studying the effects of various management techniques and pesticides on soil microorganisms. My laboratory is developing and applying new techniques derived from molecular genetics to soil microbiology. We use these sensitive and accurate techniques to study the response of soil microbial communities to pesticide applications and in the near future, to various management strategies.
Land Description: We work on a research farm owned and operated by Washington State University. Our sites are fallow.
Information resources available: factsheets, monographs

ref #:655 Individual

John P. Reganold
Washington State University
Dept. of Crop and Soil Sciences
Pullman WA 99164-6420

Telephone: (509)335-8856
FAX: (509)335-8674
Preferred method of contact: I prefer to be contacted by telephone or fax during working hours PST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: soil management, soil conservation, agricultural economics
Primary crop and livestock enterprises: agronomic crops
Description of Sustainable Agriculture work: I am a soil scientist researching the effects of alternative and conventional farming on soil quality, farm profitablity and overall sustainability. I do on-farm research where I examine working, commercial pairs or sets of alternative/conventional farms.

ref #:656 Individual

Anne Schwartz
Blue Heron Farm
1219 E. Sauk Rd.
Concrete WA 98237

Telephone: (206)853-8449
Preferred method of contact: Telephone at the number above — Pacific time.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, permaculture, networking
Primary crop and livestock enterprises: small fruits, bamboo, vegetables, nonfruit nursery, tuber vegetables, geese, organic standards, dairy cattle
Description of Sustainable Agriculture work: I am a small, organic farmer of fruits, vegetables and permaculture nursery stock. I am very concerned with current

trends of the American/International farm landscape and am active in many forums challenging policy development as it is related to food, agriculture, and resource use. Blue Heron Farm, located in the foothills of the North Cascade Mtns., produces raspberries, potatoes, mixed vegetables and nursery stock which is sold direct, wholesale and thru farm cooperative outlets. The difficulties encountered in production and marketing have forced us to address national and state policies which have created barriers to us. As much time as can be spared from farm duties is devoted to addressing policy issues.
Land Description: We own 10 acres of sandy loam, and lease 15 acres of silt loam.
Information resources available: I am happy to share any appropriate materials and information generated from meetings of the previously mentioned organizations and committees.

ref #:657 Individual

Robert G. Stevens
Washington State University
WSU-Prosser
Rt 2 Box 2953-A
Prosser WA 99350

Telephone: (509)786-2226
FAX: (509)786-4635
Preferred method of contact: I prefer to be contacted by phone or fax during working hours, Pacific Time Zone.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: nutrient management, agronomic crop production, horticultural crop production-vegetables
Primary crop and livestock enterprises: hops, onions and related crops, feedgrains, legume cover crops, legume forages
Description of Sustainable Agriculture work: I am an Extension soil scientist doing research and demonstration work with BMPs for nutrient and soil management, including soil testing, nutrient management, crop rotations and additions of agricultural waste to soils. As an extension soil scientist, I conduct work on nutrient management with onions, hops, apples, legumes, potatoes and corn. Green manure legumes have been studied in irrigated corn rotation.
Land Description: My research sites are on irrigated grower fields in central Washington state. This is an area of excellent soils requiring supplemental irrigation to grow a wide array of crops.
Information resources available: Bulletins related to my efforts can be obtained from Washington State University's publications office.

ref #:658 Individual

Frank Young
USDA-ARS
Washington State University
Room 215, Johnson Hall
Pullman WA 99164-6420

Telephone: (509)335-1551
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: weeds, agronomic crop production, soil conservation
Primary crop and livestock enterprises: small grains, non-oilseed legumes
Description of Sustainable Agriculture work: I am a research agronomist/weed scientist investigating an integrated pest management system for crop production in the Pacific Northwest involving weed management levels, crop rotations and conservation tillage systems. Our interdisciplinary research project involved 14 scientists from eight disciplines comparing three weed-management levels in conservation and conventionally tilled systems, and two crop rotations, (continuous wheat and wheat, barley, legume). The research areas examined included weed seed in the soil, weed population shifts, residue management, crop water use efficiency, disease and insect incidence, and economics.
Land Description: Our research site has farmed slopes ranging from 7% to 25%. The organic matter content is approximately 3%. Topsoil depth ranges from several feet to parts eroded away on the hilltops.
Information resources available: We have videos for sale from Extension service on profitable conservation farming systems.

ref #:659 Organization

Integrated Fertility Mgmt.
333 Ohme Gardens Rd.
Wenatchee WA 98801

Telephone: (800)332-3179
FAX: (509)662-3179
Contact people: Phillip Unterschnetz, April Verderico
Preferred method of contact: Contact me on the 800 number.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: organic production, horticultural crop production-fruits, nutrient management
Primary crop and livestock enterprises: fruit crops, pome fruits, stone fruits, small fruits, forestry
Description of Sustainable Agriculture work: I am the owner of an organic materials supply company specializing in, but not limited to, organic tree fruit production, biological introductions and the creation of orchard habitats.
Information resources available: We host an annual convention for organic growers in the Pacific Northwest. We are available as speakers and have a video and publication library available to customers. We offer free telephone consultation without obligation on organic techniques.

ref #:660 Organization

Pioneer Soil Lab
PO Box 834
Rainier WA 98576

Telephone: (206)894-2364
FAX: (206)894-2364

Contact people: B. Pittock, Mr. G. Pittock
Preferred method of contact: I prefer to be contacted by telephone during working hours PST.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: soil management, nutrient management, permaculture
Primary crop and livestock enterprises: nuts, vegetables, fruit crops
Description of Sustainable Agriculture work: We test soils using the LaMotte method and apply the agronomic principles of Carey Reams. We conduct soil tests for all size farm operations and most growing projects. We provide fertilizer application recommendations to achieve the lowest pest and weed pressure and the highest nutritional and non-toxic end product. We provide a range of well-balanced fertilizers, as well as educational courses on soil management.
Information resources available: We have brochures, soil sample bags, and two newsletters which we can mail to interested parties.

ref #:661 Organization

Washington State Dept. of Agriculture
Organic Food Program
PO Box 42576
Olympia WA 98504-2576

Telephone: (206)664-0351
FAX: (206)753-3700
Contact people: Miles V. McEvoy, Julie Sandberg, Mariah Cornwoman (509)662-1609
Preferred method of contact: I prefer to be contacted by telephone during working hours PST.
Sust. Agric. Roles: gov't. policy administration, gov't. policy development
Major Areas of Sust. Agric. Expertise: organic production, insects, horticultural crop production-fruits
Primary crop and livestock enterprises: fruit crops, vegetables, pome fruits, small fruits
Description of Sustainable Agriculture work: I am the program manager for WSDA's Organic Food Certification Program which works with the state's organic food industry to ensure compliance with organic food standards and facilitate the marketing of organic food products. I manage the Organic Food Program and supervise regional organic food inspectors. In consultation with the state attorney general's office, I enforce chapter 15.86 RCW, Organic Food Products. I draft amendments and revisions to the Washington Administrative Code in coordination with industry and the Organic Advisory Board. I coordinate activities of the State's Organic Advisory Board. I represent the Organic Food Program at state, national, and international meetings. I testify at legislative hearings on legislation pertaining to organic food. I work with out-of-state organic food regulatory agencies to establish uniform standards.
Information resources available: We have the following information: Organic crop production standards, Organic producers certification standards & application, Processed organic food standards & certification, Criteria for registering materials for organic crop production, Standards & certification for packers of organic food, Standards & certification for vendors of organic food, and Animal production practices for organic meat & dairy products.

ref #:662 Organization

REF.
661-
663

Washington State University
Tree Fruit Res. & Ext. Center
1100 N. Western
Wenatchee WA 98801

Telephone: (509)663-8181
FAX: (509)662-8714
Contact people: Stan Hoyt, Dr. Elizabeth Beers
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, insects, diseases
Primary crop and livestock enterprises: pome fruits, stone fruits
Description of Sustainable Agriculture work: We conduct research on tree fruit production and pest management and extend information to growers and consultants. We conduct research and Extension on pest management, minimizing synthetic chemical use where possible through development of basic information to support predictive models, host plant: pest interactions, and non-disruptive tactics (mating disruption, biological controls).
Land Description: We have 130 acres of research orchards located at two sites near Wenatchee, Wash. We primarily grow apples, but also raise pears, cherries, apricots, plums and peaches.
Information resources available: We have Extension bulletins and factsheets on a variety of pest management and production topics (many are conventional).

ref #:663 Organization

Washington State University
Dept. of Crop and Soil Sciences
STEEPII On-Farm Testing Project
Pullman WA 99164-6420

Telephone: (509)335-3491
FAX: (509)335-8674
Contact people: Stewart Wuest; Roger Veseth, PSES, Univ. of Idaho, Moscow ID, (208)885-6386; Russell S. Karow, Crop Sci. 131, Ore. State Univ., (503)737-5857
Preferred method of contact: Contact me by phone during business hours, PST, or by letter.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, soil management, pest management
Primary crop and livestock enterprises: small grains, non-oilseed legumes, oilseeds
Description of Sustainable Agriculture work: I am an Extension soil scientist/agronomist developing on-farm testing as a farmer resource. The project seeks to develop on-farm testing as a farmer organization tool. We are adapting experimental procedures for use by farmers which will provide valid and useful ways to compare crop management options.
Land Description: The region we serve is known as the Palouse, located east of the Cascades in the Pacific

Northwest. It is characterized by fertile, rolling loess deposits.
Information resources available: We provide winter workshops to train farmers how to conduct on-farm tests. We will be publishing an annual report of local on-farm tests.

REF. 664-665

ref #:664 Organization

Washington State University
Puyallup Res. & Ext. Center
7612 Pioneer Way E.
Puyallup WA 98371-4998

Telephone: (206)840-4511
FAX: (206)840-4761
Contact people: Stanton E. Brauen
Preferred method of contact: I prefer to be contacted by phone or at least responding by phone.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomist-turfgrass science, agronomic crop production, weeds
Primary crop and livestock enterprises: turf & amenity grasses, cover crops, forage crops, small grains
Description of Sustainable Agriculture work: I am a turfgrass agronomist conducting research and Extension efforts in water utilization, nitrogen movement in turfgrass systems, pest control with chemical and nonchemical methods, and identifying grasses for low maintenance uses. I also have 20 years experience in crop production of cereal, grain and forage crops. Primarily, I conduct basic and applied research on the impact of fertilization timing, rates and sources on nitrogen losses to the environment — particularly in sand and modified sand systems. Another area is to identify new turfgrass varieties that will withstand deficient water application but still be competitive against pests, thus lowering the requirements for chemical, nutrient and water inputs.
Information resources available: We work primarily through assistance and development of education and training programs such as conferences, recertification programs, specialized education events, and field days directed mostly at professional grounds maintenance managers.

ref #:665 Organization

Washington State University
Rt 1 Box 570
Long Beach WA 98631

Telephone: (206)642-2031
Contact people: Kim Patten
Preferred method of contact: Contact me by mail, or by telephone from 8 a.m. to 4:30 p.m. PST.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, horticultural crop production-fruits, weeds
Primary crop and livestock enterprises: small fruits
Description of Sustainable Agriculture work: I am a research/Extension horticulturist investigating a sustainable system for cranberry production. Also, I directed a LISA project for three years in the South.
Land Description: 7 acres of cranberry bogs
Information resources available: I have miscellaneous extension publications, plus reprints of research papers.

WISCONSIN

ref #:666 Individual

Gerald A. Bartelt
Wisconsin Dept. of Nat. Resources
Wildlife & Forestry Research
1350 Femrite Dr.
Monona WI 53716

Telephone: (608)221-6344
FAX: (608)221-6353
Contact people: Mr. Todd Peterson, Mr. Alan Crossley
Preferred method of contact: Contact me via telephone at above number between 8:30-5:30 CST, Monday through Friday.
Sust. Agric. Roles: researcher, gov't. policy development
Major Areas of Sust. Agric. Expertise: wildlife needs, ecological sustainability
Description of Sustainable Agriculture work: I am a research administrator interested in incorporating wildlife habitat into sustainable ag practices and, more generally, in identifying and testing ag systems that are ecologically sustainable, economically beneficial to farmers, and sustain natural plant and animal communities. I have convened an inter-agency committee (Wis. Dept. Nat. Resources, Wis. Dept. of Ag, Univ. of Wis., Rodale, and private farmers) to develop a strategy to implement and test ecologically sustainable farm practices and measure changes in soils, nonpoint pollution, economic return, and wildlife use. Currently, I am funding a post-graduate student to identify ways to incorporate wildlife habitat needs into ag practices. I am seeking funding and support for a large demonstration/research area in a watershed in Wis.
Information resources available: We have wildlife habitat factsheets and best management practices for preventing nonpoint pollution.

ref #:667 Individual

Jeff Chrisler
Chrisler's Bio Ag Products
513 Washington St.
Sauk City WI 53583

Telephone: (608)643-4420
FAX: (608)643-6754
Preferred method of contact: I prefer to be contacted via telephone during working hours CST.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: soil management, agronomic crop production, livestock production
Primary crop and livestock enterprises: forage crops, agronomic crops, vegetables, tobacco, dairy cattle, beef cattle
Description of Sustainable Agriculture work: I am a consultant and I market biological farming products and techniques. I provide a transitional approach for farmers wanting to change from conventional (chemical based) to biological (non-chemical based) farming. As a consultant I provide recommendations for soil and crops with the use of my soils lab. My lab provides LaMotte soil testing results. The crops that I work with include corn, soybeans, alfalfa, oats, wheat, vegetables and tobacco. The products that I market consist of fertilizers (liquid and dry), soil amendments and conditioners, and livestock minerals. All products are non-chlorine or low-chlorine based. All of my clients receive a monthly newsletter printed by TransNational Agronomy.
Information resources available: I have factsheets, product sheets, newsletters and brochures on the transitional approach from conventional to biological farming. These materials can be mailed to interested parties. Information can also be gleaned from our annual biological/sustainable farming seminar in January, our annual field day held in August or September, or by visiting our booth at the World Dairy Expo in Madison, Wis. (1st week of Oct) or Natural Food Growers Assn. Convention in Wis. (Sept).

ref #:668 Individual

Toni Christenson
Bright Eye Farm
6124 Hwy 57
Sturgeon Bay WI 54235

Telephone: (414)823-2058
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, marketing, organic production
Description of Sustainable Agriculture work: I am a market-farmer growing vegetables, herbs and flowers for sale at our on-site market and to area groceries and restaurants. We grow organically and sustainably. As market growers (Bright Eye Farm) in a large tourist-resort area, we focus on a full range of vegetables, herbs, berries and drying flower crops, especially leaf crops and specialty crops. We sell to customers at our market and deliver to restaurants and groceries (with our label) from April to November. We follow all organic growing practices but are not certified.
Land Description: We grow on 5 acres.
Information resources available: brochures, pamphlets, newspaper articles, slides

ref #:669 Individual

Dale L. Diedrich
Chippewa Valley Tech. College
620 W. Clairemont Ave.
Eau Claire WI 54701

Telephone: (715)833-6342
FAX: (715)833-6470

Sust. Agric. Roles: teacher, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: livestock production, information transfer/education, farm management
Primary crop and livestock enterprises: cucurbits, forage crops, feedgrains, small grains, oilseeds, dairy cattle, beef cattle, hogs, rabbits
Description of Sustainable Agriculture work: I am a farm business and production management instructor teaching farmers how to maximize profitability in their operations. I have been involved in a project to determine the availability of nitrogen to the 3-foot level in soil. Accurate calibration of manure application and crediting previous crops for nitrogen value are used to make fertilizer recommendations for the next year's crop.
Land Description: My research site consists of 150 acres, of which 45 acres is cropland, 60 acres is woods, 20 acres is planted to corn, 5 acres is in produce, and 20 acres is pasture and building sites. Eighty acres of the farm is light prairie-type soil. Seventy acres is steep and rocky.
Information resources available: brochures, pamphlets, curricula, field days, video agriscience program

ref #:670 Individual

Curt Eckstein
C.S. REST Farm
353 S. Vandenberg Rd.
Green Bay WI 54311

Telephone: (414)465-9226
Contact people: Sandy Freidenberger
Preferred method of contact: Initial contact is best made by mail since we do not have any set time when we are near the phone.
Sust. Agric. Roles: part-time farmer/rancher, researcher
Major Areas of Sust. Agric. Expertise: fancy wool products, organic production, horticultural crop production-vegetables
Primary crop and livestock enterprises: small fruits, greenhouse or nursery, vegetables, pome fruits, cover crops, rabbits, sheep, wildlife, chickens
Description of Sustainable Agriculture work: We are a small-scale farm creating fancy hand spinning wools including angora and rare breed sheep. We are also building towards my former style of farming which involved marketing vegetables directly to supermarkets. We raise much of our own hay for our sheep and are currently exploring the quality of wool created by closely controlled rotational grazing. We have also determined what ration creates the highest quality angora from our herd of English and German angora rabbits. Since we are just starting this particular farm, I have not yet had a chance to return to market-gardening tomatoes, peppers and vine crops as I did on my former farm.
Land Description: Our farm is 35 acres of over-worked, under-maintained farmland that I am trying to organically build back up to sustainable levels as time and money allow.
Information resources available: We have factsheets about the care of angora rabbits that we send along when we sell rabbits to people who are not familiar with the special needs of the rabbits.

ref #:671 Individual

Peter V. Edstrom
1121 9th St.
Menomonie WI 54751

Telephone: (715)235-2945
Sust. Agric. Roles: farm advocacy and support, supply &/or service provider
Major Areas of Sust. Agric. Expertise: agricultural economics, livestock production, nutrient management
Primary crop and livestock enterprises: legume forages, nonlegume forages, feedgrains, small grains, dairy cattle
Description of Sustainable Agriculture work: I applied low-input methods to a 334-acre dairy farm for 14 years before leaving active farming to become a dairy nutritionist in the private sector. I worked with the State of Wisconsin on a three-year Sustainable Agriculture grant project which demonstrated the use of composted and raw manure in corn production, involving conservation tillage and mechanical weed control. The project involved manure and soil testing as well as energy input monitoring and documentation. I have spoken on numerous panels and at state meetings.
Information resources available: I have a strong interest in sustainable agriculture advocacy and am available for speaking and phone contacts. Dairy production and composting are my strongest interests.

ref #:672 Individual

David J. Engel
RR1-1198
Soldiers Grove WI 54655

Telephone: (608)734-3711
Preferred method of contact: write or call anytime
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: organic production, livestock production, information transfer/education
Primary crop and livestock enterprises: feedgrains, small grains, legume forages, nonlegume forages, dairy cattle
Description of Sustainable Agriculture work: My wife and I own and operate a certified organic dairy herd. My wife, a veterinarian, and I are very involved with the local and national OCIA efforts as well as the CROPP dairy marketing and management efforts. We are busy year-around, sweating all summer to put hay in the mow, working all winter to feed it to the cows. We are both city-raised and are learning by scratch how to farm, as well as farm organically. We continue to learn much and enjoy sharing and learning with others.
Land Description: 391 total acres of which 185 is tillable, about 80 more is pasture and the balance woods/homestead bldgs.
Information resources available: This area has many field days, meetings, workshops, seminars and conferences. I know about a lot of them.

ref #:673 Individual

Herman Felstehausen
University of Wisconsin
25 Ag Hall
1450 Linden Dr.
Madison WI 53706

Telephone: (608)262-7922
FAX: (608)262-4556
Preferred method of contact: telephone, 8-5.
Sust. Agric. Roles: teacher, researcher
Major Areas of Sust. Agric. Expertise: information transfer/education, holistic management
Description of Sustainable Agriculture work: I am a teacher and consultant assisting students, farmers and others to reorganize farming to make it more sustainable. I grow ideas, not greens. Sustainable is a way of organizing the farm and community, not a matter of how to plow the ground.

ref #:674 Individual

Gary Frank
University of Wisconsin
Dept. of Ag Economics
222 Taylor Hall
Madison WI 53706

Telephone: (608)262-9729
FAX: (608)262-4376
Electronic address: FRANK@WISPLAN.UWEX.EDU
Preferred method of contact: I prefer to be contacted by mail.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: farm management, agricultural economics, information transfer/education
Primary crop and livestock enterprises: legume forages, feedgrains, cover crops, nonlegume forages, agroforestry, dairy cattle
Description of Sustainable Agriculture work: I am a researcher, Extension worker, and farmer looking at the economics of various practices. I am involved with biodynamic on-farm research. I use sustainable practices on my farm. I conduct Extension meetings.
Land Description: My research site is 122 acres of rolling hills of sandy loam soil.
Information resources available: Stand-alone and spreadsheet programs are available to help individuals evaluate a transition to less capital-intensive practices. Some of these have accompanying texts.

ref #:675 Individual

Gwen Garver
Blackhawk Technical College
PO Box 5000
Janesville WI 53545

Telephone: (608)365-0209
FAX: (608)757-7740
Preferred method of contact: I would prefer to be contacted via phone evenings, or during working hours at (608)757-6321.
Sust. Agric. Roles: coordinator of farmers network, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, farm management, rotational grazing
Primary crop and livestock enterprises: dairy cattle
Description of Sustainable Agriculture work: I coordinate the activities of a sustainable farmers education network. As coordinator of the sustainable farmers education network, I arrange classes and workshops, field days and bimonthly meetings of farmers involved in the program. I monitor on-farm demonstrations and coordinate technical assistance for farmers.
Land Description: My research site is a 160-acre dairy farm in southern Wisconsin. It is rolling land.
Information resources available: curricula, newsletter, field days, public speakers, workshops

ref #:676 Individual

Ted Gashler
Sheep Farm
Rt 1 Box 235A
Abbotsford WI 54405

Telephone: (715)223-2831
FAX: (715)675-9776
Preferred method of contact: Contact me at home by phone after 6 p.m., or at work from 7 a.m. to 5:30 p.m. at (715)675-3331, ext. 327.
Sust. Agric. Roles: part-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: livestock production, information transfer/education, farm management
Primary crop and livestock enterprises: forage crops, legume forages, small grains, sheep
Description of Sustainable Agriculture work: We produce Registered Hampshire sheep for the international market that are grown on a sustainable farming operation. Our farm is a quarantined farm and the flock is a closed flock. Our flock is free of all diseases and we are on NSIP and other testing programs. We market our breeding stock primarily to foreign markets.
Land Description: Our farm is pasture and hayland. Our pastures have been in continuous use as pastures for 23 years. (birdsfoot trefoil). The hay is also birdsfoot trefoil and in production since 1979. Each year, it gets a little better.
Information resources available: We have full production records and produce videos for prospective buyers. We also have five generation pedigrees available at all times on our flock.

ref #:677 Individual

Richard E. Gauger
Windridge Farm
Rt 1 Box 144
Knapp WI 54749

Telephone: (715)235-1079

Preferred method of contact: I prefer to be contacted by mail any time.
Sust. Agric. Roles: full-time farmer/rancher, Extension worker
Major Areas of Sust. Agric. Expertise: soil biology, weeds, livestock production
Primary crop and livestock enterprises: legume forages, nonlegume forages, legume cover crops, nonlegume cover crops, dairy cattle, beef cattle, chickens
Description of Sustainable Agriculture work: I am a soil scientist raising crops organically and managing an intensive rotational grazing dairy farm. Intensive rotational grazing of dairy cattle lends itself nicely to a sustainable system. Manure is applied directly to the fields by the cattle, as well as composted manure from the barns. Any crops raised are produced organically and fed to the cattle. Intensive grazing is also an ingenious means of getting into large-scale farming and therefore contributing to a more sustainable agriculture.
Land Description: This is a small 240-acre farm consisting of highly erodible, silt/loam soils

ref #:678 Individual

David Hogg
University of Wisconsin
Dept. of Entomology
1630 Linden Drive
Madison WI 53706

Telephone: (608)262-4060
FAX: (608)262-3322
Preferred method of contact: I can be contacted by mail, phone or fax.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: insects
Primary crop and livestock enterprises: legume forages, feedgrains, legume cover crops
Description of Sustainable Agriculture work: I am an entomologist on the faculty at the University of Wisconsin-Madison. I am responsible for research on insect pests of field and forage crops, and I teach a course on insect pest management. The goal of my research is the development of improved management programs for insect pests of field and forage crops (primarily alfalfa and field corn). Aspects of this research include studies of insect pest population dynamics, implications of crop and disease management for insect management, economic threshold levels, biological control, and cultural controls.

ref #:679 Individual

Mike Irwin
Bio-Logic Farms (OCIA Cert.)
7909 Crystal Lake Road
Lodi WI 53555

Telephone: (608)592-5672
Sust. Agric. Roles: farmer, ag journalist, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, information transfer/education, marketing
Primary crop and livestock enterprises: amaranth, legume vegetables, cover crops, adzuki beans, small grains
Description of Sustainable Agriculture work: I am a grower and direct marketer of certified organic specialty crops, and a teacher and consultant on organic systems. I produce a rotation of certified organic amaranth, edible beans, hard wheat, dormant legumes and also cover crops, including rye, buckwheat and biennial clovers. I've written a popular book published by Wis. Dept. of Agriculture, 2nd edition, July 1992: "From the Ground Up: Wisconsin Sustainable Farmers Share Their Practice and Vision." I've consulted on organic systems in Mexico, Kenya, Eastern Europe and post-glastnost Russia.
Land Description: My farm is located on high, cool forest soil, with a natural pH of 5.5. It is clay-based stripcropping. Windbreaks control erosion high in Baraboo Range of south-central Wisconsin.
Information resources available: I can distribute or access the following on short notice. I wrote and produced these: - a popular, farmer-centered book on sustainable practice & philosophy - video on no-chemical weed control - videos: panels of farmers on value-added marketing - 3 course curriculum for adults on principles, issues and transition process in sustainable agriculture.

ref #:680 Individual

Bryan Jensen
Wisconsin Co-op Ext. Service
Dept. of Entomology
1630 Linden Dr.
Madison WI 53706

Telephone: (608)263-4073
FAX: (608)262-4743
Sust. Agric. Roles: Extension worker, information provider
Major Areas of Sust. Agric. Expertise: insects, pest management, information transfer/education
Primary crop and livestock enterprises: legume forages, corn
Description of Sustainable Agriculture work: I'm an entomologist with the University of Wisconsin's Integrated Pest Management Program working with monitoring techniques for field crops. I am involved with field and classroom training of field scouts, Extension agents, agronomists, private crop consultants, etc. I also serve as a program manager for Wisconsin's Integrated Pest Management Program.
Information resources available: Field crop scout training manual and vegetable scout training manuals are comprosed of articles and Extension bulletins pertaining to the identification and scouting techniques of major crops grown in Wisconsin.

ref #:681 Individual

Richard A. Jensen
University of Wisconsin
Rm. 320, Ag Sci. Bldg.
River Falls WI 54022

Telephone: (715)425-3555
FAX: (715)425-3785

Electronic address: ARI (AgEd Network = AD573L)
Sust. Agric. Roles: teacher, curriculum development
Major Areas of Sust. Agric. Expertise: information transfer/education
Description of Sustainable Agriculture work: I am a professor of agricultural education assisting teachers of agriculture in developing sustainable agriculture curriculum, plus dissemination of curricular materials. As a professor of agricultural education, I provide both pre-service (undergraduate) and in-service instruction for people preparing to teach secondary and postsecondary agriculture. Instruction is supplemented with research and curriculum development projects which expand the teacher reference materials and student classroom activities materials. Finally, distribution of instructional materials is critical to maintain and expand teaching of sustainable agriculture.
Information resources available: We have curricula, factsheets, lesson plans, electronic materials, and videotape recordings on five general areas of sustainable agriculture which include agronomic practices and alternative enterprises, pest and nutrient management, social-political issues, economic issues, and environmental issues.

ref #:682 Individual

Diane Kaufmann
Sun Dance Hill Farm
Rt 2 Box 125
Chippewa Falls WI 54729

Telephone: (715)723-2262
Electronic address: Prodigy 6K BX 125 A
Preferred method of contact: I prefer to be contacted by telephone during the evenings or by e-mail.
Sust. Agric. Roles: part-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: rotational grazing, pastured poultry
Primary crop and livestock enterprises: sheep, chickens
Description of Sustainable Agriculture work: I am a producer of grass-fed lamb and chicken and will soon add a sheep dairy to the operation. I apply a low-input, grass-farm philosophy. I am developing a small-farm/small-scale, intensive use of grass-based livestock production. The two species I am concentrating on currently are pastured-poultry and raising lambs on grass which provide wool and milk. I'm learning how to extend my grazing season in our climate. My products are sold direct-market via word-of-mouth and through an annual "chicken" letter.
Land Description: My farm is 22 acres lying north and south from the crest of hilly, rolly land. It has heavy soil which holds moisture well. I have 18 acres of improved pasture.
Information resources available: newsletter

ref #:683 Individual

Keith A. Kelling
University of Wisconsin
Department of Soil Science
1525 Observatory Dr.
Madison WI 53706-1299

Telephone: (608)263-2795
Contact people: Jerry Doll
Preferred method of contact: I can be contacted at the above address by phone.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, water management
Primary crop and livestock enterprises: feedgrains, small grains, legume cover crops, legume forages, non-legume forages
Description of Sustainable Agriculture work: I conduct Extension and research on efficient nutrient utilization, including use of legumes and manure.
Land Description: Throughout state.
Information resources available: We have developed various sustainable agriculture publications.

ref #:684 Individual

C. F. Koval
University of Wisconsin
237 Russell Laboratories
Madison WI 53706-1598

Telephone: (608)262-4608
FAX: (608)262-3322
Electronic address: KOVAL@calshp.cals
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: pest management, information transfer/education, landscape plants/turf
Primary crop and livestock enterprises: turf, ornamentals, nonfruit nursery, greenhouse or nursery
Description of Sustainable Agriculture work: I am involved in pest management of landscape plants, turf, greenhouse and nursery crops.
Land Description: We conduct our work on a university research site.
Information resources available: We use factsheets, brochures and training sessions.

ref #:685 Individual

Pete Nowak
University of Wisconsin
212 Agriculture Hall
1450 Linden Drive
Madison WI 53706

Telephone: (608)262-8756
FAX: (608)262-6022
Preferred method of contact: Contact me by telephone during working hours.
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: information transfer/education, soil conservation
Description of Sustainable Agriculture work: I work to assess obstacles faced by individuals who may consider adopting sustainable practices. I conduct investiga-

REF.
682-
685

tions of the adoption process, while considering individual, farm-firm, institutional and physical setting factors.
Information resources available: factsheets, monographs

ref #:686 Individual

Art Peterson
University of Wisconsin
Department of Soil Science
1525 Observatory Drive
Madison WI 53706

Telephone: (608)262-2631
FAX: (608)265-2595
Preferred method of contact: Contact me by fax or telephone.
Sust. Agric. Roles: Extension worker, researcher
Major Areas of Sust. Agric. Expertise: waste management, nutrient management, water management
Primary crop and livestock enterprises: feedgrains, legume forages
Description of Sustainable Agriculture work: I am an agronomist researching the effects of crop rotations on nitrogen supply for corn production. I am conducting research for low-cost sources of nitrogen (nutrients) for crop production from legumes, whey, sewage sludge, paper mill sludge and compost.
Land Description: Our research sites consist of six Agriculture Research Stations at the University of Wisconsin.
Information resources available: We have factsheets on rotations, recycling wastes on cropland and field composting which we can mail to interested parties.

ref #:687 Individual

James E. Peterson
20125 State Rd. 87
Grantsburg WI 54840

Telephone: (715)488-2297
Preferred method of contact: Contact me by mail.
Sust. Agric. Roles: full-time farmer/rancher
Major Areas of Sust. Agric. Expertise: weeds, nutrient management, tillage
Primary crop and livestock enterprises: feedgrains, legume forages, sheep
Description of Sustainable Agriculture work: I was a full-time crop and livestock farmer using conventional tillage, crop rotations and livestock manure to reduce the chemical inputs in growing corn. My primary work as a farmer was on growing corn without the use of herbicides and reducing the use of commercial fertilizer. This was accomplished with conventional tillage and a crop rotation of four years of alfalfa-clover hay and then two years of corn. I also gave the proper credit for manure applied. Work was also done on using sheep and a conventional grain drill to renovate pastures.
Land Description: I operated a farm with 180 acres of cropland with a sandy-loam soil. When mapped by the SCS, there was no HEL that was used in crop rotations.
Information resources available: I have factsheets that outline the timetable for tillage, show how proper nutrient credits can cut costs, and the results of eliminating herbicides on weed populations if proper tillage is used. Also outlined are fuel usage and cost-per-acre data.

ref #:688 Individual

Todd Peterson
Wisconsin Dept. of Nat. Resources
Box 7921
Madison WI 53707

Telephone: (608)267-2948
Preferred method of contact: Contact me by mail or telephone during business hours.
Sust. Agric. Roles: gov't. policy development, gov't. policy administration
Major Areas of Sust. Agric. Expertise: wildlife, ag policy
Description of Sustainable Agriculture work: I develop policy on agriculture & rural land use for the Wisconsin Department of Natural Resources for use with agencies, state legislature and U.S. Congress.

ref #:689 Individual

Joshua L. Posner
University of Wisconsin
Agronomy Dept., Moore Hall
1575 Linden Drive
Madison WI 53706

Telephone: (608)262-0876
FAX: (608)262-5217
Preferred method of contact: Please use my office telephone during working hours, 7:30-4:30.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: agronomic crop production, weeds, nutrient management
Primary crop and livestock enterprises: feedgrains, legume cover crops, legume forages, small grains
Description of Sustainable Agriculture work: I am an agronomist researching the effects of crop rotations on profitability, production and environmental impact. Our crop rotation research is focusing on the use of green manure crops (in cash grain systems); comparisons of rotational grazing with haying systems; and mechanical control of weeds. In all cases we are looking at the effects of the different systems on soil physical and biological characteristics.
Land Description: We work on prairie soils with 2-4% organic matter. The land is rolling and gets 30-40" of rain per year.
Information resources available: brochures, pamphlets, factsheets, monographs

ref #:690 Individual

Gordon Riesgraf
RR 1 Box 81
Stockholm WI 54769

Telephone: (715)442-2208
Preferred method of contact: I can be contacted by

phone early mornings or evenings, or by mail.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: livestock production, soil conservation, marketing
Primary crop and livestock enterprises: legume forages, nonlegume forages, legume cover crops, small grains, feedgrains, beef cattle, chickens, dairy cattle
Description of Sustainable Agriculture work: I am a grass farmer who intensively grazes cattle, which are direct-marketed to organic food co-ops. I am an organic farmer raising beef and chickens. I raise all my own feeds, corn, oats, soybeans, barley and hay. I am a practitioner and firm believer in intensive rotational grazing. I direct-market my beef and chickens to food co-ops in Minneapolis and St. Paul, Minn. I am very concerned with soil conservation and am experimenting with reduced tillage methods. I am organically certified.
Land Description: My farm is hilly, wooded land with no swamps or standing water. My largest field is 6.4 acres. The farm is very beautiful but needs good conservation practices.
Information resources available: In 1992, I hosted a field day on rotational grazing. There may be more of these in the future.

ref #:691 Individual

Robert Scharlau
Scharlau Farm
1761 Lewis Rd.
Arcadia WI 54612-9616

Telephone: (608)323-7297
Preferred method of contact: Contact me by mail, or leave a telephone message.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, livestock production
Primary crop and livestock enterprises: beef cattle
Description of Sustainable Agriculture work: I'm a certified organic (OCIA) beef farmer, raising my crop needs on 200 acres. I'm president of Western Wisconsin Sustainable Farmers Network, president of the Wisconsin Chapter of Organic Crop Improvement Association (OCIA), and a member of the board of directors of Wisconsin Natural Food Associates (WFNA). Our organic crop list includes corn, soybeans, rye, barley, oats, alfalfa, clovers and mixed grasses.
Land Description: I have a 600-acre hilly farm which has been in the family for 125 years. It consists of 200 crop acres, 100 acres of pasture and 300 wooded acres.
Information resources available: I will do talk or slide programs on organic farming (in particular our farm operation) for expenses, travel and lodging.

ref #:692 Individual

Doug Spany
Sweet Sunrise Farm
Rt 1
Wauzeka WI 53826

Telephone: (608)875-5200
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: intensive rotational grazing, livestock production
Primary crop and livestock enterprises: sheep, beef cattle, chickens
Description of Sustainable Agriculture work: Our family raises lean lambs and beef on rotationally grazed, permanent, grass/legume pastures in the driftless hill country of southwest Wisconsin. My work as a sustainable farmer involves renovating a formerly row-cropped hill farm into permanent pastures that can be converted into a sustainable source of fiber and meat. We have hosted field days, and I make presentations on sheep-based rotational grazing. I have experimented with various mixes and seeding techniques in our pasture renovation program. Herbicides and cultivation have not been necessary. In breeding, we place high emphasis on the ability to maintain, grow and milk on grass with very little grain.
Land Description: The farm is 200 acres of rolling ridges, wooded hillsides, and brush and grass valleys. Most land slopes are at 6% to 20%. The soils are predominantly silt-loam. A well supplies all stock water. The land is suitable for pasture, but is really too rugged for the sustainable production of row crops.

REF.
691-
694

ref #:693 Individual

Michael Whitty
Whitwood Farm
S 170 9A CTH V
Reedsburg WI 53959

Telephone: (608)524-6393
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: livestock production, soil conservation, farm management
Primary crop and livestock enterprises: dairy cattle
Description of Sustainable Agriculture work: I am a dairy farmer with major interest in soil conservation & forest management. Other interests include rural health care and farm issues (agriculture policy U.S. & international). I am on the Wisconsin Sustainable Ag. Advisory Board. My farm has been the site for many conservation practices field days and school tours. I have presented conservation lectures to grades 1-8 and also worked with high school students in conservation programs.
Land Description: I have a 500-acre dairy farm, owned and operated by my family since 1846. The farm is in Sauk County, Winfield Township. The landscape is hilly and rolling except for 5 acres of flatland. Some land is rough pastureland.

ref #:694 Individual

Peter Wood
Linden Valley Farm
Blanchardville WI 53516

Telephone: (608)523-4004
Preferred method of contact: I prefer to be contacted

via telephone at above number in the evenings.
Sust. Agric. Roles: full-time farmer/rancher, information provider
Major Areas of Sust. Agric. Expertise: sheep, pasture, weeds
REF. 695-698
Primary crop and livestock enterprises: sheep
Description of Sustainable Agriculture work: I am a producer of prolific seed-stock for the sheep industry and proponent of improved pasture management. I am involved with genetic improvement with Finn x Rambouillet sheep for prolificacy, longevity and efficient use of forages.
Land Description: We have 160 acres of dry hill pasture and woodland.
Information resources available: field days

ref #:695 Organization

Chequamegon Organic Growers
Rt 1 Box 335A
Ashland WI 54806

Telephone: (715)682-9240
Contact people: Ken Raspotnik, Dave Martinson
Preferred method of contact: Telephone us during daytime hours.
Sust. Agric. Roles: organic growers network, information provider
Major Areas of Sust. Agric. Expertise: horticultural crop production-fruits, horticultural crop production-vegetables, organic production
Primary crop and livestock enterprises: fruit crops, vegetables, oilseeds, pome fruits, small fruits, sheep, chickens, beef cattle, beekeeping
Description of Sustainable Agriculture work: We are an organic growers network raising fruits, vegetables and livestock. We use many different organic practices and share our information with others. As an organic growers network, each farm practices growing organic fruits, vegetables and livestock. Many are diversified farms using compost, green manures, companion planting, cover crops, rotational grazing, crop rotations, mulches, greenhouses and season extenders. We share information through field days, fairs and a newsletter. We sell our products at farmers markets, U-pick and by direct marketing. The group is active in environmental issues.
Information resources available: We have a newsletter that lists dates of field days and public speakers. We have a list of members of the Chequamegon Organic Growers who might be helpful in certain areas of organic growing techniques.

ref #:696 Organization

Chippewa Co. Land Cons. Dept.
County Courthouse
Chippewa Falls WI 54729

Telephone: (715)723-1831
Contact people: Kevan Klingberg; Dan Masterpole — Co. Conserv.; Todd Prill — Proj. Agronomist
Preferred method of contact: I can be reached by phone during working hours.
Sust. Agric. Roles: information provider, gov't. policy administration
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management, pest management
Primary crop and livestock enterprises: agronomic crops, feedgrains, forage crops, small grains
Description of Sustainable Agriculture work: I am an agronomist providing information and technical assistance for crop production, focusing on nutrient and pest management, soil conservation and water quality to farmers operating in Chippewa County, Wisconsin. We work with local dairy farmers whose main crops are corn, oats, alfalfa and soybeans. We focus our agronomic contacts with farmers on how to grow profitable crops and have as little negative impact on the environment as possible. A big emphasis currently is to help farmers identify and wisely use on-farm nutrient sources.
Information resources available: field days, internships

ref #:697 Organization

Four Winds Farm Supply & Cons.
N8806 600th St.
River Falls WI 54022

Telephone: (715)425-7037
FAX: (715)425-6037
Contact people: Prescott H. Bergh
Preferred method of contact: Contact us by mail or phone, Monday through Friday, 9 a.m. to 5 p.m. CST.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: insects, organic production, horticultural crop production-fruits
Primary crop and livestock enterprises: fruit crops, vegetables, nonlegume cover crops, nonlegume forages, chickens
Description of Sustainable Agriculture work: I am a supplier of biological pest management tools, products, information and consultation. I also work with the certified organic food industry, as an inspector of processors and trainer of inspectors. As a supplier of pest management aids, I am working with habitat modifications to agroecosytems for control of pests in fruit and vegetable crops. We also provide insect monitoring traps, beneficial insects, botanical and biological pest controls, and fertilizers.
Land Description: Our farm is 107 acres, with 80 acres tillable and 30 acres devoted to intensive rotational grazing with beef cattle and poultry. We have a small vegetable operation with direct marketing. Ours is an upland hill farm, with sand, silt loam and clay soils.
Information resources available: We have our information-rich annual retail catalog, a summer newsletter and a series of alternative pest management information sheets available for sale. Our catalog contains over 60 books specific to the needs of upper Midwest growers.

ref #:698 Organization

John Muir Chapter - Sierra Club
222 S. Hamilton St. Suite 1
Madison WI 53703

Telephone: (608)256-0565

Contact people: Caryl Terrell
Preferred method of contact: I prefer to be contacted by mail, but anyone can leave a message on the telephone answering machine.
Sust. Agric. Roles: advocate for sust ag & environment, information provider
Major Areas of Sust. Agric. Expertise: environmental impacts, information transfer/education, water management
Description of Sustainable Agriculture work: In Wisconsin, the Sierra Club is actively promoting funding, technical assistance and policy change to promote sustainable agriculture through state lobbying and publications. The Sierra Club continues to work with a farmer-conservation-academic network of individuals and groups to promote sustainable agriculture. The Sierra Club served on the WDATCP- SA Demonstration Program Council from 1987-92 and the UW-CIAS Citizens Advisory Council from 1990-92. It continues to monitor and influence their progress.

ref #:699 Organization

Kickapoo Organic Res. Network
Box 159
La Farge WI 54639

Telephone: (608)625-2602
FAX: (608)625-2600
Contact people: Laura Benson, Bobby Zirkel
Preferred method of contact: We can be contacted by telephone or mail.
Sust. Agric. Roles: farm network, on-farm demonstrations
Major Areas of Sust. Agric. Expertise: horticultural crop production-vegetables, organic production, organic dairy
Primary crop and livestock enterprises: vegetables, dairy cattle
Description of Sustainable Agriculture work: We are a farm network for regional producers who are organic or interested in low-input farming. We are a farm network based in southwest Wisconsin, including vegetable and dairy producers. Some of our members are organic farmers. We hold field days and publish a newsletter. An important part of our network activities includes on-farm demonstrations of low-input practices.
Land Description: We are in the Coulee region of Wisconsin. Ridge tops have clay soils and valleys have silt loam soils. Most farms include lots of steep, untillable land that is in forest or permanent pasture. It's very hilly.
Information resources available: We publish a newsletter three or four times a year that is directed to vegetable and dairy producers in Crawford, Richland and Vernon counties in Wisconsin.

ref #:700 Organization

Lessiter Publications Inc.
PO Box 624
Brookfield WI 53008-0624

Telephone: (414)782-4480
FAX: (414)782-1252
Contact people: Frank Lessiter
Sust. Agric. Roles: supply &/or service provider
Major Areas of Sust. Agric. Expertise: tillage, agronomic crop production, pest management
Primary crop and livestock enterprises: agronomic crops, cover crops
Description of Sustainable Agriculture work: We publish newsletters and books on no-till and ridge tillage.
Information resources available: books, newsletter, catalog, conventions, meetings, public speakers

ref #:701 Organization

Michael Fields Ag Institute
W2493 County Road ES
East Troy WI 53120

Telephone: (414)642-3303
FAX: (414)642-4028
Contact people: Roger Blobaum, Christopher Mann, Herbert Koepf, John Hall, Walter Goldstein
Preferred method of contact: Contact can be made by telephone, mail or fax.
Sust. Agric. Roles: research and education, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education, on-farm research, agronomic crop production
Primary crop and livestock enterprises: cover crops, feedgrains, small grains, oilseeds, legume forages, dairy cattle, beef cattle
Description of Sustainable Agriculture work: The Institute carries out research and education activities designed to facilitate a transition to more resource-conserving, ecologically sustainable and economically viable farming systems. The Institute's work focuses primarily on farmers making the transition to more sustainable practices and those who use organic methods. MFAI's staff scientists have multi-year research projects dealing with whole-farm conversion, corn ecology, cover crops, soil structure and fertility, crop rotations and integrated cropping systems. The Institute also has an exchange/ advisory program involving sustainable agriculture scientists from Hungary, Lithuania, Moldavia, Poland, Russia and the Ukraine.
Land Description: The Institute participates in Wisconsin Integrated Cropping Systems trials on 60 acres of level land at the Lakeland Agricultural Complex in Walworth County, Wis., conducts whole-farm and other research in Southeast Wis. in cooperation with family-size farmers, participates in cooperative research on farms in several Great Plains states, and carries out biodynamic research on site.
Information resources available: The Institute designs and presents workshops, provides lecturers and speakers, provides advisory services, provides facilities for workshops and meetings, conducts research and participates in scientific exchanges. The Institutes's publications include "Thoughts on Drought-Proofing Your Farm" and "Issues in Sustainable Agriculture: What Are the Next Steps?"

ref #:702 Organization

N.E. Wisconsin Sust. Farm. Network
9896 Co. Hwy. D
Brussels WI 54204

Telephone: (414)825-1369

Contact people: John A. Bobbe; Jerome Viste, 1916 Viste Road, Sturgeon Bay WI 54235
Preferred method of contact: I can be contacted by mail or by telephone 7:30 a.m. to 7:00 p.m. CST.
Sust. Agric. Roles: information provider, demonstration of practices
Major Areas of Sust. Agric. Expertise: agronomic crop production, agricultural economics, farm management
Primary crop and livestock enterprises: agronomic crops, feedgrains, small grains, cover crops, legume cover crops, beef cattle, dairy cattle, sheep, hogs
Description of Sustainable Agriculture work: I coordinate the Northeast Wisconsin Sustainable Farmers Network. Our network provides on-farm management and technical assistance to farmers to reduce the risk of adopting sustainable farming practices. We also provide on-farm demonstration of various practices being used, as well as hold public field days.
Land Description: The network consists of 40 farms located on the Niagara Escarpment.
Information resources available: brochures, pamphlets, project directory, field days, meetings, public speakers

ref #:703 Organization

Organic Valley CROPP
PO Box 159
Main Street
Lafarge WI 54639

Telephone: (608)625-2602
FAX: (608)625-2600
Contact people: Harriet Behar, George Siemon
Preferred method of contact: Any of the above.
Sust. Agric. Roles: organic farming cooperative, marketing cooperative
Major Areas of Sust. Agric. Expertise: marketing, organic production, livestock production
Primary crop and livestock enterprises: feedgrains, forage crops, vegetables, dairy cattle
Description of Sustainable Agriculture work: I encourage organic farming through offering a market for production as well as educating farmers on organic farming practices. Organic dairy production and organic vegetable production, on both raw and value-added products, are our focuses at this time. Our farmers exchange new methods with each other as well as sponsoring field days and workshops for other farmers interested in organic production. They believe in collective bargaining to maintain a sustainable price for their production.
Land Description: Farmer cooperative consisting of more than 40 farms in Southwestern Wisconsin.
Information resources available: With our sister organizations, (KORN) Kickapoo Organic Resource Network and the Wis. chapter of OCIA, we put on a yearly two-day organic farming conference. We also offer forums and workshops throughout the year as the need arises or when speakers are available in our area. We sponsor field days during the growing season concentrating on experimental and practical methods of organic production.

ref #:704 Organization

Organico Institute
Rt 1 Box 335A
Ashland WI 54806

Telephone: (715)682-9240
Contact people: Ken Raspotnik, Gordon Lawrence
Preferred method of contact: Contact me during daytime hours.
Sust. Agric. Roles: process and promote organic food, teacher
Major Areas of Sust. Agric. Expertise: organic production, energy conservation/renewable energy, information transfer/education
Primary crop and livestock enterprises: solanaceous vegetables, cucurbits, cole crops, legume vegetables, tuber vegetables
Description of Sustainable Agriculture work: Organico is a non-profit institute practicing and involved in education in sustainable agriculture and organic food processing with alternative energies. Organico Institute formed a small-scale food lab dedicated to organic agriculture, which processes organic salsa, jam, juice, relish, pickels and dried fruits and vegetables, etc., as a service to local organic farmers. The service stimulates the local economy, promotes organic food and provides consumers with high-quality, durable, organically grown food. Organico is starting a community-supported agriculture for the Ashland area. Apprentices and interns learn about organic farming and the environment, community living, alternative energy, and non-profit organizations, among other things.
Information resources available: We have a list of Organico products (we want to sell locally). Other information will be printed on how to set up a small-scale cannery for rural areas.

ref #:705 Organization

PCR Inc.
N591
City Rd. PI
Coon Valley WI 54623

Telephone: (608)452-3651
FAX: (608)452-3031
Contact people: Dawn Hundt, Vince Hundt
Preferred method of contact: I prefer to be contacted during working hours Central Time Zone.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: forestry, recycling
Primary crop and livestock enterprises: legume cover crops, forestry, feedgrains, dairy cattle
Description of Sustainable Agriculture work: Our primary product is a system to chop and bake newspapers for animal bedding. We also do research and demonstrations on small-scale forestry and oak regeneration.
Land Description: Our operation consists of 300 acres. Two-thirds of it is steep woods.
Information resources available: We have information on animal bedding systems using old newspapers.

We have info on small-scale forestry equipment which is tractor-mounted and PTO-powered.

ref #:706 Organization

UNCO Industries Inc.
7802 Old Spring Street
Racine WI 53406

Telephone: (414)886-2665
FAX: (414)886-2296
Contact people: Tom Chapman, Karin Tepley
Preferred method of contact: Contact me by phone or mail.
Sust. Agric. Roles: supply &/or service provider, information provider
Major Areas of Sust. Agric. Expertise: soil management, organic production
Primary crop and livestock enterprises: greenhouse or nursery, vegetables
Description of Sustainable Agriculture work: We are manufacturers of worms, earthworm castings and cocoons. We have researched the value of worms and their castings in soil and agriculture. We teach others how to both produce the above products for sale or how to most effectively use them for best results. As the largest producer in the world, we produce and market the products throughout the world. We have done extensive backyard research comparing our product to many other fertilizers. We sell our products primarily to garden centers and direct to the public. We want to work closer with organic growers to teach and learn from them.
Information resources available: We have brochures and factsheets which we can mail.

ref #:707 Organization

W. Wisconsin Sust. Farm Network
N 2934 750th St.
Hager City WI 54014

Telephone: (715)792-5227
Contact people: Paul Schaefer, Robert Scharlau, Diane Kaufmann
Preferred method of contact: Contact me by telephone at above number or (715)792-5127 any time.
Sust. Agric. Roles: farm advocacy and support, information provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Primary crop and livestock enterprises: forage crops, cover crops, agronomic crops, feedgrains, small grains, dairy cattle, beef cattle, sheep, hogs, poultry
Description of Sustainable Agriculture work: The Western Wisconsin Sustainable Farming Network is a sustainable farming organization. The WWSFN exists to: enable farmer-to-farmer exchange of information in sustainable farming, provide support & services for sustainable farming, to expand the concept of "sustainable farming" to include consideration of family, lifestyle, community and ag policy as well as on-farm technical practices, to foster interest in and gather support for sustainable farming from the general public.
Information resources available: newsletter, field days, meetings, workshops

ref #:708 Organization

Wis. Farmers Foundation Inc.
1300 S. Layton Blvd.
Milwaukee WI 53215

Telephone: (414)384-3276
FAX: (414)384-3036
Contact people: Michael Salinas; Richard Wittgreve (414)876-2182
Preferred method of contact: We prefer to be contacted by phone or fax at our office at above numbers.
Sust. Agric. Roles: farm advocacy and support, researcher
Major Areas of Sust. Agric. Expertise: soil management, pest management, farm management
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, vegetables
Information resources available: brochures, pamphlets, newsletter, newspapers, field days, slides, workshops

ref #:709 Organization

Wis. Sust. Ag Program
Wis. DATCP
PO Box 8911
Madison WI 53708-8911

Telephone: (608)273-6209
FAX: (608)273-6215
Contact people: Richard (Dick) Cates Jr., Jane Larson
Preferred method of contact: Our program can be reached via telephone at (608)273-6209 (Dick's number) or (608)273-6408 (Jane's number) from 7:45-4:30 p.m. CST. Mail requests are also welcome.
Sust. Agric. Roles: information provider, sustainable grant fund provider
Major Areas of Sust. Agric. Expertise: information transfer/education
Primary crop and livestock enterprises: agronomic crops, cover crops, forage crops, forestry, fruit crops, dairy cattle, sheep, beef cattle, poultry, hogs
Description of Sustainable Agriculture work: Our funded projects are required to hold field days. They create brochures, videos, factsheets, etc. We also have eight active sustainable networks, specifically for information exchange. Frequent topics are organic production, rotational grazing and tillage. The Wisc. Sust. Ag program: 1. Funds on-farm efforts to promote management alternatives that can (a) reduce agriculture's external impacts, (b) demonstrate the economic viability of sustainable management practices, (c) save energy especially from petroleum; 2. Increases public awareness of the benefits of a more sustainable agriculture; 3. Broadens scope of sustainable ag activities in Wis.
Information resources available: We have a set of project papers (bound and unbound). These describe the project, project results, profit analysis and summary. We also have a resource book with over 200 entries (sustainable ag bibliography) of final project reports, etc.

WEST VIRGINIA

REF. 710-713

ref #:710 Individual

William B. Bryan
West Virginia University
Div. of Plant & Soil Sciences
Box 6108
Morgantown WV 26506 6108

Telephone: (304)293-6256
FAX: (304)293-3740
Preferred method of contact: I prefer to be contacted by mail.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: livestock production, weeds, agronomic crop production
Primary crop and livestock enterprises: grassland, forage crops, legume forages, nonlegume forages, beef cattle, sheep, dairy cattle, goats-meat
Description of Sustainable Agriculture work: I was raised on a mixed farm in Ireland. I research grazing systems for cattle, sheep and goats in Appalachia. I am concerned that plant and animal production be combined sustainably. I research grazing systems that are low-input and make maximum use of traditional knowledge/experience. I aim to provide basic understanding so that producers can develop their own farm systems appropriate to their conditions and personal experience.
Land Description: Hill land pastures on farms and research stations.

ref #:711 Individual

Gerard D'Souza
West Virginia University
Agricultural Economics
Box 6108
Morgantown WV 26506

Telephone: (304)293-6253
FAX: (304)293-3740
Preferred method of contact: I prefer to be contacted by telephone during working hours EST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: agricultural economics
Description of Sustainable Agriculture work: I am an economist investigating conceptual and empirical issues relating to the economics of sustainable agriculture. As an economist, my research focuses on issues such as developing a conceptual framework for the microeconomic analysis of sustainability; quantifying factors influencing the adoption of economics of alternative sustainable production systems, alternative energy sources such as ethanol and methanol, and alternative enterprises such as aquaculture. I employ both econometric and mathematical programming models, and focus on implications of results for producer decision-making as well as policy formulation. The results are disseminated through journal articles, technical reports and presentations at professional meetings.
Information resources available: factsheets, monographs, journal articles

ref #:712 Individual

Kip Mortenson
Mountain Spirit Organic Farms
HCR 2 Box 68
Moyers WV 26813

Telephone: (304)249-5139
Preferred method of contact: Contact me by mail, or telephone in the evening.
Sust. Agric. Roles: full-time farmer/rancher, farm advocacy and support
Major Areas of Sust. Agric. Expertise: organic production, farm management, information transfer/education
Primary crop and livestock enterprises: forage crops, small grains, vegetables, cover crops, herbs, beef cattle
Description of Sustainable Agriculture work: Mountain Spirit Organic Farms is a medium-sized diversified West Virginia mountain/valley farm practicing organic/sustainable/biodynamic/co-creative principles of agriculture. Mountain Spirit Organic Farms produces market vegetables and herbs, small grains, alfalfa and other hays, and beef cattle on our 760-acre certified organic farm. We have been farming organically since 1976, and were certified by the Virginia Association of Biological Farmers in their first year of certification in 1989. We continually conduct on-farm research with different crop varieties and farming methods, compost manufacturing, and in addition conduct agriculture workshops through an adjoining non-profit foundation, Lightstone Foundation Inc. We retail and wholesale grains, hay straw, beef, vegetables and herbs.
Land Description: Mountain Spirit Organic Farms consists of 760 acres of high mountain valley farmland, with 90 acres tillable, 150 acres in pasture, and the balance woodland. The terrain varies from level bottomland to sloping 2% to 10% hay and grain land, to steep 35%+ pastureland. Water is abundant with several streams, primarily spring-fed, with the upper reaches of the farm just a short distance from the very headwaters of the South Branch of the Potomac River.
Information resources available: Mountain Spirit Organic Farms makes available internships on a seasonal basis for those interested in learning, through doing, the ways we farm organically. Housing and a stipend is provided. Mountain Spirit also offers workshops, field days and speakers through its neighbor, Lightstone Foundation Inc. At Mountain Spirit, we are committed to alternative ways for increasing farm income for West Virginia farmers.

ref #:713 Individual

Edward C. Prigge
West Virginia University
Div. Animal & Vet. Science
PO Box 6108
Morgantown WV 26506

Telephone: (304)293-2631
FAX: (304)293-3740
Preferred method of contact: Contact me by telephone from 8:30 a.m. to 4:45 p.m. EST.
Sust. Agric. Roles: researcher, teacher
Major Areas of Sust. Agric. Expertise: livestock production
Primary crop and livestock enterprises: forage crops, feedgrains, beef cattle, sheep, goats-dairy, dairy cattle
Description of Sustainable Agriculture work: I am an animal scientist researching grazing systems and forage utilization by beef cattle, sheep and goats. I also research using animals (sheep and goats) for land reclamation (brush control). Concerning cattle grazing systems, I am comparing deferred and rotational grazing to continuous grazing, and extended grazing on a winter feed for cow/calf production. In my land reclamation research, I am comparing the use of sheep and goats to mechanical methods and herbicide for brush control.

ref #:714 Individual

Edward B. Rayburn
West Virginia University
Extension Service
1076 Ag Sci. Bldg. PO Box 6108
Morgantown WV 26506-6108

Telephone: (304)293-5229
FAX: (304)293-6954
Preferred method of contact: I prefer to be contacted via phone during working hours EST.
Sust. Agric. Roles: Extension worker, part-time farmer/rancher
Major Areas of Sust. Agric. Expertise: agronomic crop production, livestock production, farm management
Primary crop and livestock enterprises: forage crops, legume forages, nonlegume forages, agronomic crops, beef cattle, dairy cattle, goats-dairy, sheep, hogs
Description of Sustainable Agriculture work: I am a forage Extension specialist working with agents and farmers in developing sustainable and profitable livestock forage systems. As a forage Extension specialist, I work with agronomy and animal science researchers to learn the latest research information available and integrate it for use in livestock/forage system management practices on the farm. This information is provided to Extension agents and farmers through factsheets, computer software, on-farm demonstrations, field days and meetings, as well as individual and group consultation and training.
Land Description: My farmland is highly variable, ranging from well-drained, level bottomland to steep hillside pasture.
Information resources available: We have factsheets on forage management and intensive rotational grazing as well as computer software for balancing rations for dairy cows on pasture and predicting the rate of gain of beef cattle.

REF. 714-715

ref #:715 Organization

Mt. State Org. Growers/Buyers Assn.
PO Box 642
Morgantown WV 26507

Telephone: (304)249-5139
Contact people: Kip Mortenson; Keith Dix, RR 10, Box 30, Morgantown WV 26505; William Grantham, RR1, Box 480, Kearneysville, WV 25430.
Preferred method of contact: Contact MSOGBA by writing to the above address.
Sust. Agric. Roles: organic farm certification, information provider
Major Areas of Sust. Agric. Expertise: organic farm certification, information transfer/education
Description of Sustainable Agriculture work: The MSOGBA is a non-profit producer/processor/consumer membership organization which supports and promotes sustainable agriculture through its certification program, newsletter, field days and annual conference. It shall be the purpose of the Association to promote and support a helpful, ecologically accountable and sustainable agriculture in West Virginia and elsewhere; to develop standards and certification programs for organic farming; to provide verification of adherence to those standards for distributors, retailers and consumers; to provide education forums and materials relating to sustainable agriculture and generally, to share ideas and information.
Information resources available: We publish a quarterly newsletter, free to members. To join MSOGBA, send your name, address and phone number with $15 to: MSOGBA-Membership, Carolyn Merrill, RR 1, Box 9, Ireland WV 26376.

WYOMING

REF. 716-717

ref #:716 Individual

Ron Delaney
University of Wyoming
Box 3354
Laramie WY 82071

Telephone: (307)766-3238
FAX: (307)766-3379
Preferred method of contact: I prefer contact by letter or phone.
Sust. Agric. Roles: researcher, information provider
Major Areas of Sust. Agric. Expertise: agronomic crop production, water management, soil management
Primary crop and livestock enterprises: legume cover crops, legume forages
Description of Sustainable Agriculture work: I am a crop physiologist researching crop rotation on soil fertility. My primary goal is to identify annual legumes or green manure in rotation with dryland winter wheat.
Land Description: My research site is dryland on the western fringe of the Great Plains. Our farming schedule entails winter wheat/fallow production systems.

ref #:717 Individual

James M. Krall
University of Wyoming
Plant, Soil & Insect Sciences
Rt 1 Box 374
Torrington WY 82240

Telephone: (307)532-7126
FAX: (307)532-8499
Contact people: Dr. Dave Legg, Dr. Ron Delaney
Sust. Agric. Roles: researcher, Extension worker
Major Areas of Sust. Agric. Expertise: agronomic crop production, nutrient management
Primary crop and livestock enterprises: small grains, legume cover crops, nonlegume cover crops, oilseeds, legume forages
Description of Sustainable Agriculture work: Alternative legumes for rainfed and irrigated situations. As a research and Extension faculty of the University of Wyoming, I emphasize alternative crops, conservation tillage and nutrient management in annual crop situations, sharing time between rainfall and irrigated situations.