



ORGANIC FARMING RESEARCH FOUNDATION

The Organic Farming Research Foundation was founded in 1990 to foster the improvement and widespread adoption of organic farming practices. Our mission is to sponsor research related to organic farming, to disseminate research results to organic farmers and to growers interested in adopting organic production systems, and to educate the public and decision-makers about organic farming issues.

Since 1990, OFRF has awarded more than 240 grants totaling over \$1.6 million in support of organic farming research and education projects. Following is a complete list of our competitive and donor-directed grants made since 1990. OFRF's competitive grant application process is open to anyone choosing to apply—farmers, researchers, organic advocacy organizations, and other individuals or entities. Donor-directed funding is established through a memorandum of understanding between the recipient individual or agency and OFRF. For a copy of OFRF's *Request for Proposals* or for a list of available project results, go to our web site, www.ofrf.org, or contact OFRF at PO Box 440, Santa Cruz, CA 95061-0440, tel 831-426-6606, fax 831-426-6670, e-mail info@ofrf.org.

OFRF Grants Awarded, 1990-2007

SPRING 2007

Total in competitive grants: \$90,041

Rebecca Chaplin-Kramer
University of California, Berkeley
Berkeley, CA \$8,770
Determining habitat requirements for natural enemies of crop pests.

Amy Charkowski
University of Wisconsin, Madison
Madison, WI \$14,600
Organic certified seed potato production in the Midwest.
Funded in partnership with EPA Region 5.

Dave Christensen
Seed We Need
Big Timber, MT \$14,970
Development of corn borer-resistant corn for organic farming systems: year 2.

Michaela Colley
Organic Seed Alliance
Port Townsend, WA \$11,834
Establishing breeding populations for organic broccoli, sweet corn, and red kale varieties.

Edward DePeters
University of California, Davis
Davis, CA \$15,000
Healthy components in organic milk: oligosaccharides, vitamins and omega-3 fatty acids make organic milk unique in healthy diets.

Eric B. Nelson
Cornell University
Ithaca, NY \$10,019
Suppression of Pythium damping off with compost and vermicompost.

Sean Swezey
University of California, Santa Cruz
Santa Cruz, CA \$14,848
Integrating biological control with trap crop management in California organic strawberries.

SPRING 2006

Total in competitive grants: \$48,620

Helen Atthowe
Biodesign Farm
Stevensville, MT \$6,258
Agroecosystem approach: managing annual and perennial weeds in organic, minimum-till vegetable production.
Funded in partnership with EPA Region 8

Dave Christensen
Seed We Need
Big Timber, MT \$8,350
Development of corn borer-resistant corn for organic farming systems.
Funded in partnership with EPA Region 8

Walter Goldstein
Michael Fields Agricultural Institute
East Troy, WI \$12,000
Methods to breed field corn that competes better with weeds on organic farms.
Funded in partnership with EPA Region 5

Brian McSpadden-Gardener
Ohio State University
Wooster, OH \$9,584
Evaluating the efficacy, interest, and legitimacy of farm-specific biological control inoculants for the control of soilborne diseases by organic farmers.
Funded in partnership with EPA Region 5

Frank Stonaker
Colorado State University
Ft. Collins, CO \$12,428
Evaluation of screened high tunnels for production of organic vegetables in Colorado.
Funded in partnership with EPA Region 8

SPRING 2005

Total in competitive grants: \$26,881

Whitney Cranshaw
Colorado State University
Ft. Collins, CO \$8,250
Development of *Polistes dominulus* as a biological control for insects in agricultural areas.
Funded in partnership with EPA Region 8

Fabian Menalled
Montana State University
Bozeman, MT \$4,874
Assessing the importance of weed diversity in organic wheat fields.
Funded in partnership with EPA Region 8

Brian McSpadden-Gardener
Ohio State University
Wooster, OH \$13,757
Development of farm-specific biocontrol seed treatments for corn and soybeans.
Funded in partnership with EPA Region 5

FALL 2004

Total in competitive grants: \$88,677

Miguel Altieri
University of California, Berkeley
Berkeley, CA \$14,670
Organic conservation tillage systems for family farmers in Brasil: understanding agroecological mechanisms for scaling up the technology.

Anita Azarenko
Oregon State University
Corvallis, OR \$14,618
Does ecological soil management in an organic production system improve function of sweet cherry tree?
Funded in partnership with Gerber Products Company

Eric Biderman
Fat Duck Farm
Ribera, NM \$9,270
Integrating annual vegetables and pastured livestock for soil fertility.

Eric Brennan
USDA Agricultural Research Service
Salinas, CA \$14,700
The effect of cover crop seeding rate, planting arrangement, and mixture composition on cover crop performance and weed management on organic vegetable farms on the Central Coast of California, year 2. Funded in partnership with EPA Region 9

Ronald Hammond
Ohio State University
Wooster, OH \$9,418
Evaluation of glandular-haired, potato leafhopper resistant alfalfa for organic farming systems. Funded in partnership with EPA Region 5

Perry Miller
Montana State University
Bozeman, MT \$12,742
Water use efficient strategies for legume green manure in dryland organic cropping systems in the northern Great Plains.

Stephen Pedersen
High Ground Organics
Watsonville, CA \$6,434
Weed control in summer cover crops on California's central coast. Funded in partnership with EPA Region 9

Dale Rhoads
Eschatia Farms
Nashville, IN \$6,825
On-farm testing of five organic weeding strategies in Indiana. Funded in partnership with EPA Region 5

SPRING 2004

Total in competitive grants: \$108,098

One award of \$6,000 was declined by the grantee.

Edward Carey
Kansas State University Research & Extension Center
Olathe, KS \$8,000
Are organic vegetables more nutritious? Fresh and postharvest assessment of nutritional quality of organically- and conventionally- grown lettuce and other salad greens, year 2.

Matthew Dillon
Organic Seed Alliance
Port Townsend, WA \$10,068
Public breeding for organic agriculture: screening for horizontal resistance to late blight in tomato.

Allison Hornor
Cornell University
Ithaca, NY \$8,203
Detecting and monitoring human pathogens in vermicompost and compost tea, year 2.

Lamar Janes
Community Conservation, Inc.
Gay Mills, WI \$4,000
Organic dairy farming education project.

Molly Jahn
Cornell University
Ithaca, NY \$13,426
Breeding an open-pollinated vegetable variety in organic system: the Public Seed Initiative, year 2.

Stephen Jones
Washington State Univ.
Pullman, WA \$13,472
Development of wheat varieties for organic farmers, yr 3.

Alyson Mitchell
University of California—Davis
Davis, CA \$9,496
A second-year comparison of several quality characteristics and secondary plant metabolites in tomatoes grown by organic and conventional practices

Anusuya Rangarajan
Cornell University
Ithaca, NY \$5,429
Trial of beneficial microbial seed treatments in organic farming systems.

Mark Schonbeck
Virginia Association for Biological Farming
Floyd, VA \$8,600
Evaluation of frost-killed cover crop mulches for organic no-till production of spring vegetables on small farms.

Linda Tikofsky
Cornell University
Ithaca, NY \$14,134
Longitudinal comparison of milk composition, quality and conjugated linoleic acid levels among three different management systems.

Adam Zimmerman
ShoreBank Enterprise Pacific
Illwaco, WA \$13,270
Evaluating the effects of pastured turkey production on parasite levels, fly levels, and pasture fertility on an organic dairy farm.

FALL 2003
Total in competitive grants: \$63,209
One award of \$7,200 was declined by the grantee.

Kevin Athearn
University of Florida
Gainesville, FL \$6,500
Economic research on organic citrus production and marketing in Florida.

Jo Ann Baumgartner
Wild Farm Alliance
Watsonville, CA \$12,700
Conserving biodiversity through education of organic farmers, certifiers and NRCS.

Sarah Kelley
Earth Pledge
New York, NY \$10,000
Aerated compost tea and other alternative treatments for disease control in pumpkins.

Jim Koan
Almar Orchards
Flushing, MI \$3,094
A novel approach for the control of the dreaded plum curculio: biological extermination using guinea fowl.

Denise McKinney
North Carolina State University
Raleigh, NC \$6,155
Can sorghum-sudangrass grown as a summer cover crop for organic no-till vegetable production double as a cash crop for the organic hay market?

Joji Muramoto
University of California, Santa Cruz
Santa Cruz, CA \$9,385
Maintaining agroecosystem health in an organic strawberry/vegetable rotation system. Funded in partnership with EPA Region 9

Tim Nissen
Hartington, NE \$5,385
Nebraska organically grown grapes.

Jason Norsworthy
Clemson University
Clemson, SC \$9,990
Weed suppression using Brassicaceae cover crops in organically grown peppers.

SPRING 2003
Total in competitive grants: \$114,512
Donor-directed support: \$20,000

James Cox
Apostrophe' Marketing
Crested Butte, CO (Donor-directed) \$20,000
Converting California's rice straw residue into ecological paper products.

Jonda Crosby
AERO
Helena, MT \$6,000
Organic training for Montana's agricultural technical service providers.

Laurie Drinkwater
Cornell University
Ithaca, NY \$14,260
On-farm nutrient budget in organic cropping systems: a tool for soil fertility management. Year 2.

Allison Hornor
Cornell University
Ithaca, NY \$4,500
Brewing and handling vermicompost tea to avoid human and plant pathogens.

Molly Jahn
Cornell University
Ithaca, NY \$10,210
Breeding an open-pollinated vegetable variety in organic systems: the Public Seed Initiative.

Jodi Johnson-Maynard
University of Idaho
Moscow, ID \$13,885
Application of brassica meal for pest control and nitrogen fertility. Year 2. Funded in partnership with EPA Region 10

Stephen Jones
Washington State University
Pullman, WA \$10,000
Development of wheat varieties for organic farmers. Year 2

Todd Kabaluk
Pacific Agri-Food Research Centre
Agassiz, British Columbia, Canada \$6,150
Development of *Metarhizium anisopliae* as a biological control for wireworms in agricultural crops. Year 3.

Ronald Morse
Virginia Tech University
Blacksburg, VA \$4,300
Using high residue cover crop mulches for weed management in no-till organic potato production. Year 2

Larry Phelan
Ohio State University
Wooster, OH \$14,839
Protein quality and soil quality relationships in organic corn-grain farming systems.

Steve Scheuerell
Oregon State University
Corvallis, OR \$9,404
Aerated compost tea for control of *Xanthomonas campestris* pv. Carotae, bacterial blight of carrot.
Funded in partnership with EPA Region 10

Abby Seaman
New York State Ag. Experiment Station IPM Program
Geneva, NY \$5,660
Efficacy of OMRI-approved disease management products against fungal pathogens of tomato.

Carol Shennan
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$5,000
Teaching direct marketing, community supported agriculture (CSA) and small farm planning: resources for instructors.

Kathryn Sieving
University of Florida
Gainesville, FL \$3,130
Intercropping to create local refugia for natural enemies of arthropod pests: flowers and birds in organic agroecosystems. Year 2.

William Snyder
Washington State University
Pullman, WA \$7,174
Integrating conservation of generalist predators and specialist parasitoids in Pacific Northwest organic vegetables. Funded in partnership with EPA Region 10

FALL 2002
Total in competitive grants: \$63,925
(*Note: Three additional grants totaling \$19,955 were awarded but then declined by the grantees.*)

Eric Brennan
USDA-Agricultural Research Service
Salinas, CA \$14,360
Cover crop seeding rate and planting arrangement effects on cover crop performance and weed management on organic vegetable farms on the Central Coast of California. Funded in partnership with EPA Region 9

Edward Carey
Kansas State University Research & Extension Center
Olathe, KS \$8,000
Are organic vegetables more nutritious? Fresh and postharvest assessment of nutritional quality of organically- and conventionally-grown lettuce and other salad greens.

Jeanine Davis
North Carolina State University
Mountain Horticultural Crops R&E Center
Fletcher, NC \$2,500
The integration of foliar applied seaweed and fish products into the fertility management of organically grown sweet peppers

Rex Dufour
NCAT/ATTRA
Davis, CA \$6,999
Biointensive and organically acceptable pest management literacy training.

Steve Ela,
Silver Spruce Orchards
Hotchkiss, CO \$7,680
 Effects of organic alternatives for weed control and ground cover management on tree fruit growth, development, and productivity. Year 3. Funded in partnership with EPA Region 8

Caragh Fitzgerald
Maryland Cooperative Extension
Ellicott City, MD \$9,360
 New cover crops and cover crop management for organic vegetable producers in Maryland. Year 2.

Craig Hassel
University of Minnesota
St. Paul, MN \$5,000
 Improving the quality of Minnesota grown, organic medicinal herbs. Funded in partnership with Frontier Natural Products Cooperative

Charles Martin
New Mexico State University
Sustainable Agriculture Science Center
Alcalde, NM \$7,133
 Irrigation requirements and weed control methods for organic medicinal herb production in New Mexico. Funded in partnership with Frontier Natural Products Cooperative

Frank Morton
Shoulder to Shoulder Farm
Philmouth, OR \$8,978
 Whole system seed: crop breeding for sustainable agriculture. Year 2.

Ron and Maria Rosmann
Rosmann Family Farms
Harlan, IA \$13,870
 Feeding beef cattle to produce a healthier and highly acceptable beef.

SPRING 2002
 Total in competitive grants: \$105,348

Athanasios Alexandrou
Ohio State University
Wooster, OH \$9,501
 Evaluation of in-row weed cultivators in organic soybeans and corn.

Neda Diab
University of Maryland
College Park, MD \$10,000
 Targeted mowing to increase allelopathy in rye cover crop, year 2.

Ramona Faust
Harrop-Procter Community Cooperative
Procter, British Columbia, Canada \$10,740
 The effect of nitrogen fertilizer on active ingredients in cultivated medicinal and culinary herbs. Funded in partnership with the Frontier Natural Products Cooperative

Thaddeus Gourd
Colorado State University Extension
Brighton, CO \$7,470
 Controlling weeds using propane generated flame and steam treatments in crop and non-croplands. Funded in partnership with EPA Region 8

Ruth Hazzard
University of Massachusetts
Amherst, MA \$10,062
 Integrated caterpillar control in organic sweet corn, part 3.

Eleanor Heise
Canadian Organic Growers
Ameliasburg, Ontario, Canada \$5,000
 Handbook on managing the transition to organic farming.

Jodi Johnson-Maynard
University of Idaho
Moscow, ID \$13,885
 Brassica meal for disease control and improved nitrogen fertility in organic farming systems. Funded in partnership with EPA Region 10

Todd Kabaluk
Pacific Agri-Food Research Center
Agassiz, British Columbia, Canada \$6,000
Metarhizium anisopliae as a biological control for wireworms. Year 2.

Frank Kutka
Newfield, NY \$13,090
 Strategies for growing corn under low-nitrogen stress.

Frank Morton
Shoulder to Shoulder Farm
Philmouth, OR \$6,600
 Whole system seed: crop breeding for sustainable agriculture.

Curt Rom
University of Arkansas
Fayetteville, AR \$5,500
 Organic apple thinning strategies, year 2.

Frances Zacharakis-Jutz
Solon, IA \$3,500
 Multi-farm research on organic parasite control for lambs in hot, humid midwestern climate.

Rick Zimmerman
Rogers Mesa Research Center
Hotchkiss, CO \$4,000
The impact of green manures and weed mat in organic peach tree orchards, year 2. Funded in partnership with EPA Region 8

FALL 2001

Total in competitive grants: \$72,782
Total in Board-directed grants: \$6,000

Kristen Bowers
University of Florida
Gainesville, FL \$6,037
Investigations into the ecology of *Microtheca ochroloma* and control methods for organic farmers.

Michael Cahn
University of California Cooperative Extension
Yuba City, CA \$3,656
Conservation tillage and cover crop systems for organic processing tomato production. Year 2. Funded in partnership with EPA Region 9

Patrick Carr
Dickinson Research Extension Center
North Dakota State University
Dickinson, ND \$7,706
Small-grain cultivar selection for organic systems.

Laurie Drinkwater
Cornell University
Ithaca, NY \$9,220
On-farm nutrient budgets in organic cropping systems: a tool for soil fertility management.

Steve Ela
Silver Spruce Orchards
Hotchkiss, CO \$7,680
Effects of organic alternatives for weed control and ground cover management on tree fruit growth. Year 2. Funded in partnership with EPA Region 8

Caragh Fitzgerald
Maryland Cooperative Extension
Ellicott City, MD \$5,258
New cover crops and cover crop management for organic vegetable producers in Maryland.

Stephen S. Jones
Washington State University
Pullman, WA \$10,000
Development of wheat varieties for organic farmers.

Renae Moran
University of Maine Cooperative Extension
Highmoor Farm
Monmouth, ME \$2,245
The effect of weed management strategies on apple orchards and yield in a certified organic orchard.

Joji Muramoto
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$4,710
Nutrient analysis of organic strawberries: effect of cultivars and mycorrhizal inoculation.

Durga D. Poudel
University of Louisiana at Lafayette
Lafayette, LA \$6,800
Participatory evaluation and demonstration of organic production systems in southwestern Louisiana.

Terence Robinson
Cornell University
New York State Agriculture Experiment Station
Geneva, NY \$5,000
Insect management and fruit thinning in commercial organic apple production systems in New York. Year 2.

Kathryn Sieving
University of Florida
Gainesville, FL \$4,470
Intercropping to create local refugia for natural enemies of the arthropod pests: flowers and birds.

Greenmarket Farmers Fund
New York, NY \$2,500
To help farmers who lost equipment, goods and markets on September 11, 2001.

Underwriting for Regional Organic Farming Conferences \$3,500
To sponsor leading regional organic farming conferences for growers.

SPRING 2001

Total in competitive grants: \$74,110

Nancy Callan
Montana State University
Corvallis, MT \$9,480
Forage brassicas as a component of organic production systems.

Neda Diab
University of Maryland
College Park, MD \$7,000
Targeted mowing to increase allelopathy in rye.

Greg Hoyt
North Carolina State University
Mountain Horticultural Crops R&E Center
Fletcher, NC \$5,157
Long-term vegetable rotation systems using organic production methods and conservation tillage.

Beth Kazmar
Tipi Produce
Fitchburg, WI \$6,711
Corn trap crop to control European corn borer damage in bell pepper.

Katherine Kelly
Full Circle Farm
Kansas City, MO \$5,835
Shade cloth and mulch to extend the greens season in the Midwest.

James Kotcon
West Virginia University
Morgantown, WV \$8,940
Intercropping with resistant varieties to manage plant disease in organic tomatoes.

Ronald Morse
Virginia Polytechnic Institute & State University
Blacksburg, VA \$3,100
High-residue cover crop mulches to manage weeds in no-till organic potatoes.

Renée Prasad & Deborah Henderson
E.S. Cropconsult
Vancouver, British Columbia, Canada \$1,400
Biological control of *Delia* sp. in cole crops with rove beetles, *Aleochara* sp. Year 2.

Bob Quinn
Quinn Farm and Ranch
Big Sandy, MT \$7,239
Biological and mechanical control of perennial weeds.

Alexandra Stone
Oregon State University
Corvallis, OR \$9,352
Organic soil management and induced systemic resistance in vegetable crops.

Sean Swezey
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$9,896
Trap crops to enhance insect releases in organic strawberries.

FALL 2000
Total in competitive grants: \$77,611

Jessica Davis
Colorado State University
Fort Collins, CO \$5,548
Long-term organic farming impacts on soil fertility.

Kathleen Delate
Iowa State University
Ames, IA \$5,500
Improving the quality of organic herb production and marketing.

Steve Ela
Silver Spruce Orchards
Hotchkiss, CO \$7,680
Effects of organic alternatives for weed control and ground cover management on tree fruit growth, development, and productivity.

Ruth Hazzard
University of Massachusetts
Amherst, MA \$9,285
Integrated caterpillar control in organic sweet corn. Year 2.

Todd Kabaluk
Pacific Agri-Food Research Centre
Agassiz, British Columbia, Canada \$5,805
Use of *Metarhizium anisopliae* (Agassiz strain) as a microbial control for wireworms.

Mark Kiser
Bat Conservation International
Austin, TX \$5,800
Bat houses for integrated pest management.

Renée Prasad & Deborah Henderson
E.S. Cropconsult
Vancouver, British Columbia, Canada \$5,600
Biological control of *Delia* sp. in cole crops with rove beetles, *Aleochara* sp. Year 2.

Curt Rom
University of Arkansas
Fayetteville, AR \$7,442
Organic apple thinning strategies.

Phil Rzewnicki
Ohio State University
Columbus, OH \$8,280
Evaluating corn varieties for organic crop production.

Ynte Schukken & Linda Garrison
Cornell University
Ithaca, NY \$8,500
Comparing antibiotic susceptibility patterns for *Staphylococcus aureus* in organic and traditional dairy herds.

Andrew Thomas
University of Missouri
Mount Vernon, MO \$4,171
Evaluation of kaolin-based particle film coatings on insect, disease, and heat stress suppression in apples. Year 2.

Rick Zimmerman
Rogers Mesa Research Center,
Hotchkiss, CO \$4,000
Green manure and weed mat impacts on soil biota and tree growth in organic peach orchards.

SPRING 2000

Total in competitive grants awarded: \$68,451

Michael Cahn
University of California Extension, Sutter/Yuba
Counties, Yuba City, CA \$6,021
Conservation tillage and cover crop systems for organic processing tomato production.

Joel Kingsolver
University of Washington
Seattle, WA \$8,650
Use of cover crops to control insect pests in Brassicaceae crop production.

Carol Miles
Washington State Cooperative Extension
Chehalis, WA \$7,500
Cover crops for weed management on organic farms.

Mary Peet
North Carolina State University
Raleigh, NC \$8,673
Maintaining nutrient balances in systems utilizing soluble organic fertilizers.

Renée Prasad & Deborah Henderson
E.S. Cropconsult
Vancouver, British Columbia, Canada \$3,157
Biological control of *Delia* sp. in cole crops with rove beetles, *Aleochara* sp.

Erica Renaud
Frontier Organic Research Farm
Norway, IA \$4,950
Producing echinacea in more diverse agroecosystems.

Terence Robinson
Cornell University
Geneva, NY \$10,000
Development of a commercial organic apple production system for New York.

Mark Schonbeck
Virginia Association for Biological Farming
Floyd, VA \$6,000
Soil nutrient balancing in sustainable vegetable production.

Kimberly Stoner
Connecticut Agricultural Experiment Station
New Haven, CT \$7,500
Using *Pediobius foveolatus* as a biological control agent for Mexican bean beetle in snap beans.

Monika Weldon and Peter Belanger
Spring Meadow Farm
Mattapoisett, MA \$3,100
Cultural control of *Sparganothis* fruitworm through the use of flooding.

Sylvia Welke
Wild Flight Farm
Mara, British Columbia, Canada \$2,900
Effectiveness of compost extracts as disease suppressants in fresh market crops in British Columbia.

FALL 1999

Total in competitive grants awarded: \$65,379

John Biernbaum
Michigan State University
East Lansing, MI \$5,500
Support for research into organic nutrient and biological pest management for greenhouse production of edible flowers, culinary herbs, and leafy greens.

Nicholas Calderone
Cornell University
Ithaca, NY \$6,275
Support to study natural products and non-chemical methods for controlling parasitic mites in honey bee colonies.

Derrick Exner
Practical Farmers of Iowa
Ames, IA \$7,630
Support for research into controlling gastrointestinal parasites of livestock with organic management and materials.

Mark Gaskell
University of California Cooperative Extension
Santa Maria, CA \$10,000
Support to examine the effects of green manure, compost and feather meal on soil nitrogen dynamics, beneficial soil microorganisms, and bell pepper yield.

Walter Goldstein
Michael Fields Ag. Institute
East Troy, WI \$8,800
Support to develop open-pollinated corn varieties for organic farmers.

Zachary Heath
Heath Ranch
Orland, CA \$770
Support to determine if walnut hulls can be used in orchards as a mulch to provide an organic weed control.

George Kuepper
Appropriate Technology Transfer to Rural Areas
Fayetteville, AR \$4,500
Increasing organic farmer access to relevant and practical research-based information.

Carol Miles
Washington State University
Chehalis, WA \$4,480
 Support to investigate the efficacy of organic treatments of raspberry plant diseases to be used as part of an integrated pest management system.

Jeff Mitchell
Kearney Agricultural Center
Parlier, CA \$3,330
 Support to compare conservation tillage and conventional tillage practices in organic vegetable crop production.

Richard Smith
University of California Cooperative Extension
Salinas, CA \$3,665
 Support to evaluate weed control, efficiency, speed and economics of the Bezzerides torsion weeder and the brush hoe on cool season organic vegetables.

Andrew Thomas
University of Missouri, Columbia
Mount Vernon, MO \$3,479
 Support to evaluate kaolin particle film coatings on insect and disease suppression in apples.

Mark Van Horn
Student Experimental Farm
UC Davis, CA \$6,950
 Support to study organic management of garden symphylans (*Scutigera immaculata*) in annual cropping systems.

SPRING 1999
 Total in competitive grants awarded: \$63,581
 Donor-directed support: \$45,000

Sean Clark
Berea College
Berea, KY \$1,100
 Support to study development of biologically-integrated food waste composting system at Berea College.

Paul Ehrlich
Stanford University
Stanford, CA \$8,000
 Support to study conservation and restoration of insect pollination services in organic farms of Yolo and Solano Counties.

Ruth Hazzard
University of Massachusetts
Amherst, MA \$9,990
 Support for vegetable farmers in the Northeast to evaluate an integrated non-chemical strategy for managing caterpillar pests in sweet corn.

Stanislaw Ignatowicz
Warsaw Agricultural University
Warsaw, Poland \$5,000
 Support to study efficacy of predatory mites in controlling the pests of cultivated mushrooms in organic mushroom houses.

Ann Lindsey
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$8,548
 Support for training manual for intensive organic production in the garden and small farm for use by organic educators and practitioners.

John Luna
Oregon State University
Corvallis, OR \$4,825
 Support to study the development and evaluation of biologically integrated strip-tillage systems for organic vegetables systems.

Fernando Moncayo
Nova Scotia, Canada \$3,534
 Support to study the efficacy of homeopathic preparations of autogenous mastitis-causing organisms in the prevention of mastitis in dairy cattle.

Alan Pryor
SoilZone, Inc.
Davis, CA (Donor-directed) \$45,000
 A U.S. Environmental Protection Agency grant to continue investigation into the effectiveness of ozone (O₃) injection as a soil sanitation method, as an alternative to the use of methyl bromide and other soil fumigants.

Mark Schonbeck
Virginia Association for Biological Farming
Floyd, VA \$5,600
 Continued support to study soil nutrient balancing for calcium, magnesium, and potassium in vegetable production on five organic farms.

Sean Swezey
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$4,839
 Continued support for a grower-managed biorational program for artichoke pests (BIORAPP) on the northern California Central Coast.

Steve Temple
University of California, Davis
Davis, CA \$8,200
 Support to examine impacts of management practices on tomato fruit quality and nutritional values, and to study the selection of cover crop varieties for the summer/fall niche in organic tomato farming systems

Sylvia Welke
Olds College
Alberta, Canada \$3,945
Support to study effectiveness of compost extracts as disease suppressants in fresh market crops in British Columbia.

FALL 1998

Total in competitive grants awarded: \$20,710
Donor-directed support: \$18,000

Brian Baker
Organic Materials Review Institute
Eugene, OR \$5,000
Support to develop a system to evaluate materials and genetic engineering technologies for organic agriculture and processing.

Diane Bowen
California Certified Organic Farmers
Santa Cruz, CA \$5,000
Continued funding for the farmer education column, *Science You Can Use*, written and produced for the CCOF Newsletter, which provides information on various production methods and practices for organic farmers.

Marc Lappé
Center for Ethics and Toxics
Gualala, CA \$5,710
Support to study the relationship between production practices, namely chemical application, and phytoestrogen content of soybeans.

John Luna
Oregon State University
Corvallis, OR \$5,000
Continued funding to investigate interplanting of beneficial insectary plantings in broccoli cropping systems to enhance biological control of aphid populations.

Alan Pryor
SoilZone, Inc.
Davis, CA (Donor-directed) \$18,000
A U.S. Environmental Protection Agency grant to continue investigation into the effectiveness of ozone (O₃) injection as a soil sanitation method, as an alternative to the use of methyl bromide and other soil fumigants.

SPRING 1998

Total in competitive grants awarded: \$24,463

Janet Allen
Dragon Mountain Farm
Quesnel, British Columbia, Canada \$3,284
Support to identify and test alternative parasiticides for use in the production of organic lamb.

Mark Gaskell
University of California Cooperative Extension
Santa Maria, CA \$4,840
Support to study different types of commercially available organic nitrogen fertilizer materials on long-term annual vegetable crops at Nojoqui Creek Farms.

David Horton
USDA Agricultural Research Service
Wapato, WA \$4,700
Support to study the effects of understory management and mowing frequency on natural enemy density and pest mating disruption in organic pear orchards.

William Olkowski
Bio-Integral Resource Center
Winters, CA \$4,800
Support to study cucumber beetle traps for effectiveness, cost, damage to natural enemies and ease of servicing.

Mark Schonbeck
Virginia Association for Biological Farming
Floyd, VA \$2,000
Support to study soil nutrient balancing for calcium, magnesium, and potassium in vegetable production on five organic farms.

Sean Swezey
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$4,839
Support for laboratory and rearing materials for a grower-managed biorational management program (BIORAPP) for artichokes on the northern central California coast.

FALL 1997

Total in competitive grants awarded: \$39,043

Brian Baker
Organic Materials Review Institute
Eugene, OR \$5,000
Support to develop a generic list of organically allowable materials based on organic community consensus.

Jo Ann Baumgartner
Santa Cruz, CA \$6,625
Continuing support to study bird and arthropod predation rates of codling moth, to determine their effectiveness in organic apple orchards.

Diane Bowen
California Certified Organic Farmers
Santa Cruz, CA \$2,500
Continued support for the farmer education column *Science You Can Use*, published in the CCOF Newsletter.

Jeanine Davis
North Carolina State University
Fletcher, NC \$5,525
Support to evaluate mulching materials and limestone rates for management of fusarium wilt of sweet basil.

Dean Hively
Ithaca, NY \$2,400
Support to study on-farm hedgerow production of certified organic medicinal plant material.

Anne Macey
Canadian Organic Growers
Ottawa, Ontario, Canada \$4,125
Support for the study Livestock Management on Organic Farms: A Survey of Issues and Farm-Tested Solutions.

Richard Merrill
Cabrillo Community College
Aptos, CA \$4,860
Support for a study analyzing qualitative values of compost teas at different stages of production.

Joji Muramoto
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$4,545
For a study to compare the nitrate content in leafy vegetables from organic and conventional farms in California.

Richard Smith
University of California Cooperative Extension
Hollister, CA \$3,463
Support to study the role of trap crops in controlling flea beetle in cole crops on four organic farms.

SPRING 1997
Total in competitive grants awarded: \$20,860
Donor-directed support: \$27,000

Brian Baker
California Certified Organic Farmers
Santa Cruz, CA \$2,500
Continued funding for the farmer education column, *Science You Can Use*, written and produced for the CCOF Newsletter, which provides information on various production methods and practices for organic farmers.

Christine Gruhn
Nazareth College
Rochester, NY \$3,360
Support to study mycorrhizal fungi colonization in organic cropping systems, looking in particular at specific crop species and vegetable and cover crop rotations that best enhance root colonization.

John Luna
Oregon State University
Corvallis, OR \$5,000
Support to investigate interplanting of beneficial insectary plantings in broccoli cropping systems to enhance biological control of aphid populations.

William Olkowski
Bio-Integral Resource Center
Winters, CA \$5,000
Support to study the biological and economic effectiveness of several mass-trapping devices for control of cucumber beetle.

Alan Pryor
SoilZone, Inc.
Sunnyvale, CA (Donor-directed) \$27,000
A U.S. Environmental Protection Agency grant to investigate the effectiveness of ozone (O₃) injection as a soil sanitation method, as an alternative to the use of methyl bromide and other soil fumigants.

Anusuya Rangarajan
Cornell University
Ithaca, NY \$5,000
Support for field research to study the development and impact of disease suppressive composts on vegetable quality, composition and yield.

FALL 1996
Total in competitive grants awarded: \$14,410
Donor-directed support: \$800

Miguel Altieri
University of California, Berkeley
Berkeley, CA \$4,000
Support to study how diverse plant habitats adjacent to monoculture vineyard systems attract and increase the presence of beneficial insects and other arthropods, and to quantify their control effects on insect pests.

Jo Ann Baumgartner
Santa Cruz, CA \$2,530
Support for a study of bird predation rates on overwintering codling moth larvae in apple orchards, to understand how bird species can affect management of these pests in organic apple production.

Deborah Kane
University of Georgia
Athens, GA \$4,880
Support for a survey of members of five Southern CSA (Community Supported Agriculture) farms, to investigate shareholder satisfaction, to help maximize shareholder retention and long term stability within Southern CSAs.

Donald Lotter
University of California, Davis
Davis, CA \$3,000
Support to study the soil ecology of grape phylloxera, to determine whether certain soils are suppressive to phylloxera growth, and the potential for biological measures of control.

Carl Rosato
Woodleaf Farm
Oroville, CA (Donor-directed) \$800
Support from the Kokoro Foundation for an investigation of the control of peach brown rot in organic systems.

SPRING 1996
Total in competitive grants awarded: \$25,573

Brian Baker
California Certified Organic Farmers
Santa Cruz, CA \$2,500
Continued funding and expanded publication of the columns *Science You Can Use* and *Materials Update*, produced for the CCOF Newsletter.

Gwendolyn Bane
NW Coalition for Alternatives to Pesticides
Eugene, OR \$5,000
Funding to develop an organic pest management model to exempt certified organic growers in quarantine districts from applications of pesticides not allowed under organic standards.

Martin Bender
The Land Institute
Salina, KS \$5,573
Funding for a project to finish beef cattle in summer/fall using temporary polywire enclosures, to break-feed crop residues and forages in a narrow strip cropping system, with minimal supplemental feed.

M.N. Rifai
Nova Scotia Agricultural College
Truro, Nova Scotia, Canada \$1,500
Continued funding for research of flaming practices for weed control in organic vegetable production.

Karl Rubenberger
Umpqua Organic Farm
Roseburg, OR \$3,500
Funding for the development and testing of foliar and soil applications of aerated compost teas in Asian pears and apples.

Kimberly Stoner
Connecticut Agricultural Experiment Station
New Haven, CT \$2,000
Funding for research into use of attractants to control squash bug populations on two organic vegetable farms.

Hans Wittig
Oregon State University
Corvallis, OR \$5,500
Continued funding for research of organic practices as part of OSU's fruit disease management testing program, including expanded test plots on three organic farms.

FALL 1995
Total in competitive grants awarded: \$18,747
Donor-directed support: \$10,000

Nancy Creamer
V. James Research & Extension Center
Plymouth, NC \$4,688
Support for on-farm trials of summer cover crops and cover crop mixtures for their effectiveness as weed-suppressive mulches in organic vegetable production systems.

Karen Klonsky
University of California, Davis
Davis, CA \$4,600
Support for a project to statistically characterize California's organic agriculture for the years 1993 through 1995, using organic farm registration data from the California Department of Food and Agriculture's Organic Program.

National Organic Cotton Association
Point Reyes Station, CA (Donor-directed) \$10,000
Funding from the Human-i-tees Foundation for general support and production of educational materials about organic cotton.

Phil Phillips
Ventura County Cooperative Extension
Ventura, CA \$3,997
Support to study the impact of dust deposits on the survival rates of insectary-reared and released parasites in organic and transitional citrus orchards, for the control of red and black scale.

Ty T. Vaughn
Colorado State University
Ft. Collins, CO \$1,410
Support for research into various cropping designs in cruciferous and cereal crops, as a strategy to enhance the rate of aphid parasitization by parasitoid wasps.

Matthew Werner
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$4,052
Support for California studies to evaluate a prototype soil test kit designed to help farmers measure soil quality and health *in situ*.

SPRING 1995

Total in competitive grants awarded: \$17,766
Donor-directed support: \$18,000

Brian Baker

California Certified Organic Farmers
Santa Cruz, CA \$2,500
Support for work carried out by the joint CCOF/Oregon Tilth Materials Review Committee, to assess farm-input materials and to make recommendations for organic farming systems.

Emily Brown Rosen

Northeast Organic Farming Association of New Jersey
Titus Mill, NJ \$3,000
Support to research the effectiveness of foliar applications of hydrogen peroxide and other materials to control foliar and fruit diseases in tomatoes, particularly early blight, anthracnose and bacterial canker.

California Certified Organic Farmers

Santa Cruz, CA (Donor-directed) \$18,000
Funding from the Mary A. Crocker Trust for CCOF's Materials Review and Recommendations program.

Tom Frantzen

Practical Farmers of Iowa
New Hampton, IA \$500
Support for farm tours to demonstrate on-farm studies concerning the effectiveness of different strategies to develop hazel nut production as a means of farm diversification in the Midwest.

Sean Swezey

Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$4,862
Support for research into mass-rearing and release of a locally-adapted female-only strain of the parasitic wasp *Trichogramma nr. platneri*, for control of codling moth in coastal organic apple orchards.

Shari Tresky

Mariah Farm
Hakalau, HI \$2,904
Support for research into non-toxic solutions for bacterial wilt in tomatoes, using varieties and applications of organic matter and soil microorganisms.

Hans Wittig

Oregon State University
Corvallis, OR \$4,000
Continued support to research the efficacy of organic foliar amendments for disease control in tree fruits and grapes.

FALL 1994

Total in competitive grants awarded: \$27,902

Brian Baker

California Certified Organic Farmers
Santa Cruz, CA \$3,500
Continued support for the production and expanded circulation of the CCOF Newsletter column *Science You Can Use*.

Ronnie W. Heiniger

North Carolina State University
Plymouth, NC \$4,870
Support for research into the use of flaming and cover crops for controlling weeds in organically grown soybeans.

Roberta Jaffe

Life Lab Science Program
Santa Cruz, CA \$5,000
Continued support for the Life Lab curriculum guide *Farmer for a Day: Introducing Students to Organic Agriculture*.

David Lively

Oregon Tilth
Tualatin, OR \$3,600
Support for an analysis of twelve organic vegetable crops' ability to mobilize trace soil-bound organochlorine pesticide residues.

Mark Mayse

California State University, Fresno
Fresno, CA \$4,934
Support for research into the relationship of Brix levels, proper nutrient balance and the management of leafhopper pests in organic grape production.

John Reganold

Washington State University
Pullman, WA \$3,420
Support for the transitional and organic components of a comparison and analysis of organic, low input and conventional apple production systems.

M.N. Rifai

Nova Scotia Agricultural College
Truro, Nova Scotia, Canada \$1,103
Support for a comparison study into mechanical and flame weed control methods in organic corn and onions.

Laura Tourte

University of California, Davis
Davis, CA \$1,475
Support for research into plant growth, yield and economic analyses of kelp extract and fish powder sprays on organically grown processing tomatoes.

SPRING 1994

Total in competitive grants awarded: \$23,572
Donor-directed support: \$900

California Certified Organic Farmers

Santa Cruz, CA (Donor-directed) \$900
A Strong Foundation grant to support CCOF's Research and Education program.

Amigo Cantisano

Organic Ag Advisors
Colfax, CA \$5,502
Support for research into biological control of botrytis and powdery mildew in raspberries using beneficial microorganisms, compost teas and nutritional management.

Daniel L. Mahr

University of Wisconsin
Madison, WI \$5,300
Support for research into habitat manipulation for improving biological control of insect and mite pests in apple orchards.

Carl Rosato

Woodleaf Farm
Oroville, CA \$2,500
Continued support for orchard-based research and lab testing to study effectiveness of various materials in controlling brown rot in peaches.

Kate Roth

Mothers and Others for a Livable Planet
New York, NY \$2,500
Support for a special educational luncheon to inspire reporters, editors, and producers to dedicate coverage to organic food and farming during Organic Harvest Month.

Richard Smith

University of California Cooperative Extension
Hollister, CA \$2,920
Support for monitoring the ability of compost to provide sufficient nitrogen to bell pepper crops under drip irrigation.

Kathleen Walker

University of California, Berkeley
Berkeley, CA \$2,850
Support for improved monitoring and treatment techniques to control leafroller in organic apple orchards.

Hans Wittig

Oregon State University
Corvallis, OR \$2,000
Support for evaluation of disease control practices, including brown rot in stone fruit, focusing on the particularly humid environmental conditions experienced by many Oregon growers.

FALL 1993

Total in competitive grants awarded: \$12,475
Donor-directed support: \$3,690

Kassim Al-Khatib

Washington State University
Mt. Vernon, WA \$5,000
Support for on-farm research into weed control with green manure and cover crops, focusing on control of broadleaf weeds in green peas, potato and mint.

California Certified Organic Farmers

Santa Cruz, CA (Donor-directed) \$450
Funding from the Nathan Cummings Foundation in support of CCOF's retailers' seminar.

Mariah Cornwoman

Washington State University
Wenatchee, WA \$3,990
Support for case studies of pest control practices used by organic apple growers in Washington State; for compilation and distribution of results of farmer interviews concerning cultural practices among Northeast Washington apple growers.

Stephen Denis

Thermal, CA (Donor-directed) \$1,740
Funding from the University of California Sustainable Agriculture Research and Education Program to test freeze treatments as an alternative to fumigation in date production.

Jean Mills and Carol Eichelberger

Coker, AL \$985
Support for an on-farm feasibility study of composted clippings from white Dutch clover living mulch, as a means of building soil and reducing off-farm inputs.

Carl Rosato

Woodleaf Farms
Oroville, CA \$2,500
Continued support for orchard-based research and lab testing to study the effectiveness of anti-fungal substances in controlling brown rot in peaches.

Carl Rosato

Woodleaf Farm
Oroville, CA (Donor-directed) \$1,500
Support from the Kokoro Foundation for investigation of control of peach brown rot in organic systems.

SPRING 1993

Total in competitive grants awarded: \$27,195
Donor-directed support: \$1,980

California Certified Organic Farmers

Santa Cruz, CA \$4,500
Support for the column *Science You Can Use*, produced for the CCOF Newsletter.

California Certified Organic Farmers
Santa Cruz, CA (Donor-directed) \$1,980
In-kind donation of an Apple computer from the Environmental Support Center.

Stephen Denis
Thermal, CA \$4,388
Support for research into cultural alternatives to malathion and methyl bromide for pest control in the production of Deglet Noor dates.

Michael Hoffman
Cornell University
Ithaca, NY \$4,940
Support for development of a trapping system for cucumber beetles in cucurbits, in cooperation with two organic farms.

Eero Ruuttila
Nesenkeag Farm
Litchfield, NH \$3,280
Support to evaluate living straw mulch alone and in combination with a microbial insecticide for control of Colorado potato beetle on potatoes.

Richard Smith
University of California Cooperative Extension
Hollister, CA \$2,370
Support to monitor the seasonal activity of cabbage, seed corn and onion maggots, to determine whether modifying planting schedules can control maggot damage.

Sean Swezey
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$4,717
Support to analyze farm-level conversion of a conventional cotton production system to organic management, at Sheppard Farms in Chowchilla.

Otis Wollan
Committee for Sustainable Agriculture
Colfax, CA \$3,000
Support for CSA's Transition Conference Program, for farmers seeking to make a transition to organic growing practices.

1992 _____
Total in competitive grant awards: \$15,400
Donor-directed support: \$1,800

California Institute for Rural Studies
Davis, CA \$1,000
General program support for the publication of the proceedings of the second CIRS conference on organic cotton production.

La-Ribera Vineyards
Talmage, CA \$2,500
Support for a project to field test the nematicidal properties of cahaba vetch tea applied through a drip irrigation system in an organic vineyard.

Life Lab Science Program
Santa Cruz, CA \$2,500
Support for an organic farming education curriculum packet and model.

Carl Rosato
Woodleaf Farms
Oroville, CA \$3,400
Support for an orchard-based project to test the effectiveness of several materials used to control brown rot in organic peach production.

Carl Rosato
Woodleaf Farm
Oroville, CA (Donor-directed) \$1,800
Support from the Kokoro Foundation for investigation of control of peach brown rot in organic systems.

Sean Swezey
Center for Agroecology & Sustainable Food Systems
University of California, Santa Cruz
Santa Cruz, CA \$5,000
Funding for technical support and temperature-based development predictions for organic codling moth management in Santa Cruz County.

1991 _____
Total grant awards: \$1,000 (noncompetitive)

OFRF's Journalism Award \$1,000
To Linda Baker for her article, *The Deep Rooted Truth about Organic Farming*.

1990 _____
Total grant awards: \$85,275 (noncompetitive)

California Certified Organic Farmers
Santa Cruz, CA \$60,000
Support for the Organic Growing Practices Database project, to compile information on growing practices of California organic growers for the years 1989-1991. (1990-1992)

California Certified Organic Farmers
Santa Cruz, CA \$25,275
Support for development of public education brochures on organic agriculture; and for publication of the column *Science You Can Use* in the CCOF Statewide Newsletter. (1990-1992)