



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 **290 grants totaling over \$2.3 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, 1990-2009

SPRING 2009

Total in Competitive Grants: \$127,752

Research projects

- Miguel Altieri** **\$14,730**
University of California, Berkeley
Berkeley, California
Enhancing biological control of insect pests using flowering intercrops in wine grape agroecosystems, year 2.
- Matthew Grieshop** **\$8,140**
Michigan State University.
East Lansing, Michigan
Adapting organic apple practices for Great Lakes region organic hops production.
- Robert Hadad** **\$5,868**
Cornell Regional Vegetable Program
Lockport, New York
Investigating the use of buckwheat strips to attract beneficial insects for the management of Colorado potato beetle, year 2.
- Ray Hicks** **\$2,536**
University of Georgia Cooperative Extension
Sylvania, Georgia
Organic cover crop seed production as a sustainable enterprise for the Southeast.
- Lori Hoagland** **\$ 35,122 (2 years)**
Washington State University
Pullman, Washington
Biological mediation of apple replant disease in organic apple orchards
Funded in partnership with Stretch Island Fruit Company.

Michael Mazourek **\$ 14,953**
Cornell University
Ithaca, New York
Trialing and seed increase of promising new vegetable varieties for organic systems

Stacy Philpott **\$14,983**
University of Toledo
Toledo, Ohio
Investigating the effects of shade canopy management on natural enemies, pests, plant damage, and yield in organic coffee plantations.

Norma Wilson **\$7,954 (2 years)**
Butterfly Hill Plants
Lovettsville, Virginia
Developing an organic commercial production system for the Goji berry
Funded in partnership with Stretch Island Fruit Company.

Education/outreach projects

Melissa Matthewson **\$8,466**
Oregon State University Small Farms Extension
Central Point, Oregon
Educating women farmers about certified organic production.

Kathie Starkweather **\$15,000**
Center for Rural Affairs
Hartington, Nebraska
Increasing the adoption of organic farming practices through NRCS training.

FALL 2008

Total in Competitive Grants: \$224,220

Research

Phillip Fujiyoshi **\$2,550**
University of California, Davis. Davis, California
Harnessing aphid alarm pheromone to rid broccoli of aphids.

Eric Hanson **\$57,597** (3 years)
Michigan State University. East Lansing, Michigan
Optimizing mulch and fertilizer use in organic blueberries.
Funded in partnership with Stretch Island Fruit Company.

Julie Jedlicka **\$15,000**
University of California, Santa Cruz. Santa Cruz, California
Songbird conservation and insect pest management in vineyards.

Bruce Linquist **\$13,817**
University of California, Davis. Davis, California
Evaluation of alternative nitrogen sources for rice systems.

Patrick Moore **\$38,640** (3 years)
WSU Cooperative Extension. Puyallup, Washington
Evaluation of day-neutral strawberries.
Funded in partnership with Stretch Island Fruit Company.

Jeff Moyer **\$15,000**
Rodale Insitute. Kutztown, Pennsylvania
Management of cutworms in organic no-till corn, year 2.

Harald Scherm **\$32,925** (2 years)
University of Georgia. Athens, Georgia
Fish extracts in organic blueberries in the Southeastern U.S.
Funded in partnership with Stretch Island Fruit Company.

William Tracy **\$14,795**
University of Wisconsin. Madison, Wisconsin
Participatory plant breeding to improve sweet corn.

Education

Linda Barnes **\$10,500**
Marshalltown Community College. Marshalltown, Iowa
Bilingual organic farmer training and mentorship program.

Scott Black **\$8,000**
Xerces Society for Invertebrate Conservation. Portland, Oregon
Managing farm habitat for wild pollinators.

Kristine Swaren **\$7,125**
Canadian Organic Growers. Ottawa, Ontario, Canada
Crop planning for the organic market garden.

Kimberly Williams **\$8,271**
Kansas State University. Manhattan, Kansas
Developing web resources for high tunnels.

SPRING 2008

Total in Competitive Grants: \$211,805

Research

Miguel Altieri
University of California
Berkeley, California **\$14,980**
Effectiveness of agroecological management in improving soil quality in California vineyards.

Amy Charkowski
University of Wisconsin
Madison, Wisconsin **\$14,884**
Organic certified seed potato production in the Midwest. Year 2.

Dave Christensen
Seed We Need
Big Timber, Montana **\$14,555**
Development of corn borer-resistant corn for organic farming systems. Year 3.

Lindsay Fernandez-Salvador
University of Florida
Gainesville, Florida **\$7,304**
Persistence of Florida's small-scale organic farms in the face of growing demand for organic products.

Susan Fleugel
Grey Duck Garlic
Moscow, Idaho **\$10,362**
Effectiveness and economic impact of weed control systems in organic garlic production.

Deborah Henderson
E.S. Cropconsult
Vancouver, B.C., Canada two-year award for \$27,475
Insect management tools for organic cranberry production in the Pacific Northwest.
Funded in partnership with Stretch Island Fruit Company.

Eric Nelson
Cornell University
Ithaca, New York **\$10,180**
Suppression of *Pythium* damping off with compost and vermicompost. Year 2.

Curt Rom
University of Arkansas
Fayetteville, Arkansas \$38,209 (2 years)
Off-season organic blackberry and raspberry production to expand markets and sustain farm profitability.
Funded in partnership with Stretch Island Fruit Company.

Margaret Skinner
University of Vermont
Burlington, Vermont \$14,968
Fungi, predatory mites and guardian plants for thrips IPM in organic greenhouse ornamentals.

Sean Swezey
University of California
Santa Cruz, California \$14,471
Integrating biological control with trap crop management in California organic strawberries. Year 2.
Funded in partnership with Stretch Island Fruit Company.

Education

Nancy Allen
Tilth Producers of Washington
Seattle, Washington \$6,100
Tilth Producers of Washington Farm Walk Program.

Michaela Colley
Organic Seed Alliance
Port Townsend, Washington \$13,614
Production guides for organic carrot, lettuce, and beet/chard seed.

Bridget Cooke
Adelante Mujeres
Forest Grove, Oregon \$8,000
Sustainable Organic Farming and Marketing Project.

Brent McCown
Center for Integrated Agricultural Systems
University of Wisconsin, Madison, Wisconsin \$9,978
Organic apple conference calls: providing expert organic production advice for Upper Midwest growers.
Funded in partnership with Stretch Island Fruit Company.

Meg Moynihan
Minnesota Dept. of Agriculture
St. Paul, Minnesota \$6,725
2007 Organic Farm Performance in Minnesota Report.

FALL 2007 _____
Total in Competitive Grants: \$116,020

Research

Jeffrey Moyer
Rodale Institute Experimental Farm
Kutztown, Pennsylvania \$15,000
On-farm management of cutworms in organic no-till corn.

Robert Hadad
Cornell Regional Vegetable Program
Lockport, New York \$5,547
Investigating the use of buckwheat strips for the management of Colorado potato beetle in potato production and as an attractant of native pollinators for vine crops.

James Kotcon
West Virginia University
Morgantown, West Virginia \$13,937
Biological control of root lesion nematodes with *Pasteuria* spp.

Kevin Murphy
Washington State University
Pullman, Washington \$11,500
Integrating cultivar, soil and environment to develop regional value-added wheat crops with enhanced nutrient value.

Suzanne O'Connell
North Carolina State University
Raleigh, North Carolina \$11,174
Grafting tomatoes on disease resistant rootstocks for small-scale organic production systems.

Education

Matthew Harbur
Alfred State College
Alfred, New York \$11,664
Weeds your way: strategies for organically managing weeds in central New York state.

George Kuepper
Kerr Center for Sustainable Agriculture
Poteau, Oklahoma \$8,800
An organic farmers' guide to value-added production.

Jennifer Miller
Northwest Coalition for Alternatives to Pesticides
Boise, Idaho \$12,240
Prioritizing research, education and regulatory pest management needs of organic potato farmers through participatory strategic planning.

Gary Peterson
ALBA Organics
Salinas, California \$12,758
Updating and translating ALBA's Small Farmer Education Program.

Alice Rolls
Georgia Organics
Atlanta, Georgia \$13,400
Organic farming curriculum project.

SPRING 2007

Total in competitive grants: \$90,041

Rebecca Chaplin-Kramer**University of California****Berkeley, California**

\$8,770

Determining habitat requirements for natural enemies of crop pests.

Amy Charkowski**University of Wisconsin****Madison, Wisconsin**

\$14,600

Organic certified seed potato production in the Midwest. Year 1. Funded in partnership with EPA Region 5.**Dave Christensen****Seed We Need****Big Timber, Montana**

\$14,970

Development of corn borer-resistant corn for organic farming systems. Year 2.

Michaela Colley**Organic Seed Alliance****Port Townsend, Washington**

\$11,834

Establishing breeding populations for organic broccoli, sweet corn, and red kale varieties.

Edward DePeters**University of California****Davis, California**

\$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, New York**

\$10,019

Suppression of *Pythium* damping off with compost and vermicompost. Year 1.**Sean Swezey****University of California****Santa Cruz, California**

\$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, Montana**

\$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, Montana**

\$8,350

Development of corn borer-resistant corn for organic farming systems. Year 1. Funded in partnership with EPA Region 8**Walter Goldstein****Michael Fields Agricultural Institute****East Troy, Wisconsin**

\$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, Ohio**

\$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, Colorado**

\$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, Colorado**

\$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, Montana**

\$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, Ohio**

\$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, California**

\$14,670

Organic conservation tillage systems for family farmers in Brazil: understanding agroecological mechanisms for scaling up the technology.

Anita Azarenko
Oregon State University
Corvallis, Oregon \$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, New Mexico \$9,270
Integrating annual vegetables and pastured livestock for soil fertility.

Eric Brennan
USDA Agricultural Research Service
Salinas, California \$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, Ohio \$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, Montana \$12,742
Water use efficient strategies for legume green manures in dryland organic cropping systems in the northern Great Plains.

Stephen Pedersen
High Ground Organics
Watsonville, California \$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, Indiana \$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, Kansas \$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, Washington \$10,068
Public breeding for organic agriculture: screening for horizontal resistance to late blight in tomato.

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

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

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

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

Alyson Mitchell
University of California
Davis, California \$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, New York \$5,429
Trial of beneficial microbial seed treatments in organic farming systems.

Mark Schonbeck
Virginia Association for Biological Farming
Floyd, Virginia \$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, New York \$14,134
Longitudinal comparison of milk composition, quality and conjugated linoleic acid levels among three different management systems.

Adam Zimmerman
ShoreBank Enterprise Pacific
Ilwaco, Washington \$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, Florida \$6,500
 Economic research on organic citrus production and marketing in Florida.

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

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

Jim Koan
Almar Orchards, Flushing, Michigan \$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, North Carolina \$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, California \$9,385
 Maintaining agroecosystem health in an organic strawberry/vegetable rotation system. Funded in partnership with EPA Region 9

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

Jason Norsworthy
Clemson University
Clemson, South Carolina \$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, Colorado (Donor-directed) \$20,000
 Converting California's rice straw residue into ecological paper products.

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

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

Allison Hornor
Cornell University
Ithaca, New York \$4,500
 Brewing and handling vermicompost tea to avoid human and plant pathogens. Year 1.

Molly Jahn
Cornell University
Ithaca, New York \$10,210
 Breeding an open-pollinated vegetable variety in an organic system: the Public Seed Initiative. Year 1.

Jodi Johnson-Maynard
University of Idaho
Moscow, Idaho \$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, Washington \$10,000
 Development of wheat varieties for organic farmers. Year 2.

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

Ronald Morse
Virginia Tech University
Blacksburg, Virginia \$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, Ohio \$14,839
 Protein quality and soil quality relationships in organic corn-grain farming systems.

Steve Scheuerell
Oregon State University
Corvallis, Oregon \$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, New York \$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, California \$5,000
Teaching direct marketing, community supported agriculture (CSA) and small farm planning: resources for instructors.

Kathryn Sieving
University of Florida
Gainesville, Florida \$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, Washington \$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: \$83,880
(*Note: Three additional grants totaling \$19,955 were awarded but then declined by the grantees.*)

Eric Brennan
USDA-Agricultural Research Service
Salinas, California \$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. Year 1. Funded in partnership with EPA Region 9

Edward Carey
Kansas State University Research & Extension Center
Olathe, Kansas \$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 1.

Jeanine Davis
North Carolina State University
Mountain Horticultural Crops R&E Center
Fletcher, North Carolina \$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, California \$6,999
Biointensive and organically acceptable pest management literacy training.

Steve Ela
Silver Spruce Orchards
Hotchkiss, Colorado \$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, Maryland \$9,360
New cover crops and cover crop management for organic vegetable producers in Maryland. Year 2.

Craig Hassel
University of Minnesota
St. Paul, Minnesota \$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, New Mexico \$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, Oregon \$8,978
Whole system seed: crop breeding for sustainable agriculture. Year 2.

Ron and Maria Rosmann
Rosmann Family Farms
Harlan, Iowa \$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, Ohio \$9,501
Evaluation of in-row weed cultivators in organic soybeans and corn.

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

Ramona Faust
Harrop-Procter Community Cooperative
Procter, B.C., 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, Colorado \$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, Massachusetts \$10,062
Integrated caterpillar control in organic sweet corn. Year 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, Idaho \$13,885
Brassica meal for disease control and improved nitrogen fertility in organic farming systems. Year 1. Funded in partnership with EPA Region 10

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

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

Frank Morton
Shoulder to Shoulder Farm
Philmouth, Oregon \$6,600
Whole system seed: crop breeding for sustainable agriculture. Year 1.

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

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

Rick Zimmerman
Rogers Mesa Research Center
Hotchkiss, Colorado \$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, Florida \$6,037
Investigations into the ecology of *Microtheca ochroloma* and control methods for organic farmers.

Michael Cahn
University of California Cooperative Extension
Yuba City, California \$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, North Dakota \$7,706
Small-grain cultivar selection for organic systems.

Laurie Drinkwater
Cornell University
Ithaca, New York \$9,220
On-farm nutrient budgets in organic cropping systems: a tool for soil fertility management. Year 1.

Steve Ela
Silver Spruce Orchards
Hotchkiss, Colorado \$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, Maryland \$5,258
New cover crops and cover crop management for organic vegetable producers in Maryland. Year 1.

Stephen S. Jones
Washington State University
Pullman, Washington \$10,000
Development of wheat varieties for organic farmers. Year 1.

Renae Moran
University of Maine Cooperative Extension
Highmoor Farm
Monmouth, Maine \$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, California \$4,710
Nutrient analysis of organic strawberries: effect of cultivars and mycorrhizal inoculation.

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

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

Kathryn Sieving
University of Florida, Gainesville, Florida \$4,470
Intercropping to create local refugia for natural enemies of the arthropod pests: flowers and birds. Year 1.

Greenmarket Farmers Fund
New York, New York \$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, Montana \$9,480
Forage brassicas as a component of organic production systems.

Neda Diab
University of Maryland
College Park, Maryland \$7,000
Targeted mowing to increase allelopathy in rye. Year 1.

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

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

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

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

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

Renée Prasad & Deborah Henderson
E.S. Cropconsult
Vancouver, B.C., Canada \$1,400
Biological control of *Delia* sp. in cole crops with rove beetles, *Aleochara* sp. Year 3.

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

Alexandra Stone
Oregon State University, Corvallis, Oregon \$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, California \$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, Colorado \$5,548
Long-term organic farming impacts on soil fertility.

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

Steve Ela
Silver Spruce Orchards
Hotchkiss, Colorado \$7,680
Effects of organic alternatives for weed control and ground cover management on tree fruit growth, development, and productivity. Year 1.

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

Todd Kabaluk
Pacific Agri-Food Research Centre
Agassiz, B.C., Canada \$5,805
Use of *Metarhizium anisopliae* (Agassiz strain) as a
microbial control for wireworms. Year 1.

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

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

Curt Rom
University of Arkansas
Fayetteville, Arkansas \$7,442
Organic apple thinning strategies. Year 1.

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

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

Andrew Thomas
University of Missouri
Mount Vernon, Missouri \$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, Colorado \$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, California \$6,021
Conservation tillage and cover crop systems for organic
processing tomato production. Year 1.

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

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

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

Renée Prasad & Deborah Henderson
E.S. Cropconsult
Vancouver, B.C., Canada \$3,157
Biological control of *Delia* sp. in cole crops with rove
beetles, *Aleochara* sp. Year 1.

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

Terence Robinson
Cornell University
Geneva, New York \$10,000
Development of a commercial organic apple production
system for New York. Year 1.

Mark Schonbeck
Virginia Association for Biological Farming
Floyd, Virginia \$6,000
Soil nutrient balancing in sustainable vegetable production.
Year 3.

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

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

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

FALL 1999

Total in competitive grants awarded: \$65,379

John Biernbaum
Michigan State University
East Lansing, Michigan \$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, New York \$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, Iowa \$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, California \$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, Wisconsin \$8,800
 Support to develop open-pollinated corn varieties for organic farmers.

Zachary Heath
Heath Ranch, Orland, California \$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, Arkansas \$4,500
 Increasing organic farmer access to relevant and practical research-based information.

Carol Miles
Washington State University
Chehalis, Washington \$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, California \$3,330
 Support to compare conservation tillage and conventional tillage practices in organic vegetable crop production.

Richard Smith
University of California Cooperative Extension
Salinas, California \$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, Missouri \$3,479
 Support to evaluate kaolin particle film coatings on insect and disease suppression in apples. Year 1.

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

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

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

Paul Ehrlich
Stanford University
Stanford, California \$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, Massachusetts \$9,990
 Support for vegetable farmers in the Northeast to evaluate an integrated non-chemical strategy for managing caterpillar pests in sweet corn. Year 1.

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, California \$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, Oregon \$4,825
Support to study the development and evaluation of biologically integrated strip-tillage systems for organic vegetable 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, California (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
Soil nutrient balancing for calcium, magnesium, and potassium in vegetable production on five organic farms. Year 2.

Sean Swezey
Center for Agroecology & Sustainable Food Systems
University of California
Santa Cruz, California \$4,839
A grower-managed biorational program for artichoke pests (BIORAPP) on the northern California Central Coast. Year 2.

Steve Temple
University of California, Davis, California \$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
Effectiveness of compost extracts as disease suppressants in fresh market crops in British Columbia. Year 1.

FALL 1998 _____
Total in competitive grants awarded: \$20,710
Donor-directed support: \$18,000

Brian Baker
Organic Materials Review Institute
Eugene, Oregon \$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, California \$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, California \$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
Interplanting beneficial insectary plantings in broccoli cropping systems to enhance biological control of aphid populations. Year 2.

Alan Pryor
SoilZone, Inc.
Davis, California (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, B.C., 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, California \$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, Washington \$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, California \$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, Virginia \$2,000
Soil nutrient balancing for calcium, magnesium, and potassium in vegetable production on five organic farms. Year 1.

Sean Swezey
Center for Agroecology & Sustainable Food Systems
University of California
Santa Cruz, California \$4,839
Support for laboratory and rearing materials for a grower-managed biorational management program (BIORAPP) for artichokes on the northern central California coast. Year 1.

FALL 1997 _____
Total in competitive grants awarded: \$39,043

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

Jo Ann Baumgartner
Santa Cruz, California \$6,625
Bird and arthropod predation rates of codling moth and their effectiveness in reducing insect damage in organic apple orchards. Year 2.

Diane Bowen
California Certified Organic Farmers
Santa Cruz, California \$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, North Carolina \$5,525
Support to evaluate mulching materials and limestone rates for management of fusarium wilt of sweet basil.

Dean Hively
Ithaca, New York \$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, California \$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, California \$4,545
Comparing nitrate content in leafy vegetables from organic and conventional farms in California.

Richard Smith
University of California Cooperative Extension
Hollister, California \$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, California \$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, New York \$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, Oregon \$5,000
Interplanting beneficial insectary plantings in broccoli cropping systems to enhance biological control of aphid populations. Year 1.

William Olkowski
Bio-Integral Resource Center
Winters, California \$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, California (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, New York \$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, California \$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, California \$2,530

Bird and arthropod predation rates of codling moth and their effectiveness in reducing insect damage in organic apple orchards. Year 1.

Deborah Kane

University of Georgia, Athens, Georgia \$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, California \$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, California (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, California \$2,500

Continued funding and expanded publication of the columns *Science You Can Use* and *Materials Update*, produced for the CCOF Newsletter.

Gwendolyn Bane

Northwest Coalition for Alternatives to Pesticides

Eugene, Oregon \$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, Kansas \$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

Research of flaming practices for weed control in organic vegetable production. Year 2.

Karl Rubenberger

Umpqua Organic Farm

Roseburg, Oregon \$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, Connecticut \$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, Oregon \$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. Year 3.

FALL 1995

Total in competitive grants awarded: \$18,747

Donor-directed support: \$10,000

Nancy Creamer

V. James Research & Extension Center

Plymouth, North Carolina \$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, California \$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, California (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, California \$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, Colorado \$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, California \$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, California \$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, New Jersey \$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, California (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, Iowa \$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, California \$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, Hawaii \$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, Oregon \$4,000
Continued support to research the efficacy of organic foliar amendments for disease control in tree fruits and grapes. Year 2.

FALL 1994 _____
Total in competitive grants awarded: \$27,902

Brian Baker
California Certified Organic Farmers
Santa Cruz, California \$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, North Carolina \$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, California \$5,000
Continued support for the Life Lab curriculum guide *Farmer for a Day: Introducing Students to Organic Agriculture*.

David Lively
Oregon Tilth
Tualatin, Oregon \$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, California \$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, Washington \$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. Year 1.

Laura Tourte
University of California
Davis, California \$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, California (Donor-directed) \$900
 A Strong Foundation grant to support CCOF's Research and Education program.

Amigo Cantisano
Organic Ag Advisors
Colfax, California \$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, Wisconsin \$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, California \$2,500
 Orchard-based research and lab testing to study effectiveness of various materials in controlling brown rot in peaches. Year 3.

Kate Roth
Mothers and Others for a Livable Planet
New York, New York \$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, California \$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, California \$2,850
 Support for improved monitoring and treatment techniques to control leafroller in organic apple orchards.

Hans Wittig
Oregon State University
Corvallis, Oregon \$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. Year 1.

FALL 1993 _____
 Total in competitive grants awarded: \$12,475
 Donor-directed support: \$3,690

Kassim Al-Khatib
Washington State University
Mt. Vernon, Washington \$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, California (Donor-directed) \$450
 Funding from the Nathan Cummings Foundation in support of CCOF's retailers' seminar.

Mariah Cornwoman
Washington State University
Wenatchee, Washington \$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, California (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, Alabama \$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 Farm
Oroville, California \$2,500
 Orchard-based research and lab testing to study the effectiveness of anti-fungal substances in controlling brown rot in peaches. Year 2.

Carl Rosato
Woodleaf Farm
Oroville, California (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, California** \$4,500Support for the column *Science You Can Use*, produced for the CCOF Newsletter.**California Certified Organic Farmers****Santa Cruz, California** (Donor-directed) \$1,980

In-kind donation of an Apple computer from the Environmental Support Center.

Stephen Denis**Thermal, California** \$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, New York** \$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, New Hampshire** \$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, California** \$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, California** \$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, California** \$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: \$14,400

Donor-directed support: \$1,800

California Institute for Rural Studies**Davis, California** \$1,000

General program support for the publication of the proceedings of the second CIRS conference on organic cotton production.

La-Ribera Vineyards, Talmage, California \$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, California** \$2,500

Support for an organic farming education curriculum packet and model.

Carl Rosato**Woodleaf Farm, Oroville, California** \$3,400

An orchard-based project to test the effectiveness of several materials used to control brown rot in organic peach production. Year 1.

Carl Rosato**Woodleaf Farm****Oroville, California** (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, California** \$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 \$1,000To 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, California** \$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, California** \$25,275Support 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)