

IR-4 BIOPESTICIDE PROGRAM

Biopesticide Grant Results for 2003

The IR-4 Project received 108 proposals for the 2003 funding cycle. These included 30 early stage and 78 Advanced stage proposals. Out of the 108 proposals received, the IR-4 project will be funding 9 Early Stage and 39 Advanced Stage proposals for a total of 48 projects. These 48 projects will be receiving a total of \$427,100 in funding.

ADVANCED STAGE			
Title	Award	Investigator	Institution
Efficacy of Bio-Save 10LP on the Postharvest Diseases of Sweetpotato	\$4,400	Gerald Holmes	North Carolina State Univ
Pheromone-Based Strategy for Control of Western Poplar Clearwing Moth	\$14,000	John Brown	Washington State Univ
Mating Disruption of Codling Moth and Oriental Fruit Moth in Apple Using Sprayable Pheromones	\$14,500	Larry Gut	Michigan State University
Screening EcoGuard for Efficacy Against Pathogens of Vegetables	\$10,000	Mary Hausbeck	Michigan State University
Screening Endorse for Efficacy Against Pathogens of Ginseng	\$13,800	Mary Hausbeck	Michigan State University
Use of Selected Fungicides and Biopesticides for Control of Powdery Mildew	\$3,500	David Langston	University of Georgia
Use of Serenade in Fungicide Programs in Blueberries as a Disease and Fungicide Resistance Management Strategy	\$7,800	Annemiek Schilder	Michigan State University
Lexx-A-Phos Powdery Mildew and Root Rot Trials	\$3,000	James W. Buck	University of Georgia
Testing of a New Codling Moth Granulosis Virus Product to Supplement Mating Disruption	\$15,000	Rachel Elkins	University of CA Extension
Biophos Trials	\$7,000	Robert L. Wick	Univ of Massachusetts
Control of Foliar and Stem Blights of Potatoes with Sonata	\$4,000	William Kirk	Michigan State University
Evaluating Auxigro to Enhance Cantaloupe Yields in Support of a Registration with CDPR	\$7,500	Michael Rethwisch	University of CA Extension
Evaluation of Microencapsulated Verbenone for Protection of Pines from Western Pine Beetle Attack	\$19,000	Nancy Rappaport	USDA Forest Service, CA
Screening EcoGuard for Efficacy Against Pathogens of Ornamentals	\$9,000	Mary Hausbeck	Michigan State University
Screening of Biopesticides and Conventional Fungicides for the Control of Phytophthora Root Rot in and Crown Rot in Squash	\$8,000	Kenneth Seebold	University of Georgia
Use of Serenade and Sonata to Manage White Mold and Downy Mildew	\$8,300	Kathryne Everts	University of Delaware

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ADVANCED STAGE			
Title	Award	Investigator	Institution
Field Evaluation of Pollinator-Delivered Serenade (<i>Bacillus subtilis</i>)	\$3,900	Harald Scherm	University of Georgia
Evaluation of Bio Yield for Induced Systemic Resistance Against Foliar Diseases in Watermelon and Cantaloupe	\$9,800	M.S. Reddy	Auburn University
Effect of Messenger on Ramularia Leaf Spot and Yields of Artichokes	\$10,000	Mohammad Bari	CA Artichoke Res. Assn.
Evaluating the Efficacy of Auxigro on Blueberries for Enhancing the Yield/Quality	\$5,000	Eric Hanson	Michigan State Univ.
Control of White Mold in Snap Bean with Sonata	\$4,000	William Kirk	Michigan State Univ.
Evaluating Auxigro to Enhance Broccoli Yields in Support of a Registration with CDPR	\$4,200	Michael Rethwisch	University of CA Extension
Use of Milsana in Fungicide Programs in Strawberries as a Fungicide	\$5,300	Annemiek Schilder	Michigan State Univ.
Evaluating the Efficacy of Auxigro on Sweet Corn for Enhancing the Yield and Quality of the Crop Produced	\$5,000	Robert Thornton	Washington State Univ.
Efficacy of Serenade Biofungicide on Black Rot of Cabbage	\$3,100	R.D. Cartwright	Arkansas Extension Service
Management of Plant-Parasitic Nematodes on Annual Crops with Quillaja 35%	\$20,000	Becky Westerdahl	University of CA, Davis
An Integrated Approach to Control of Powder Mildew of Cucurbits	\$5,700	Kelly Cartwright	University of Arkansas
Evaluating Auxigro to Enhance Bermuda Grass Seed Yields in Support of Registration with CDPR	\$2,000	Michael Rethwisch	University of CA Extension
Integration and Enhancement of Biocontrol Strategies for Management of Rusty Peach Spot	\$10,000	Norman Lalancette	Rutgers University
Evaluation of Bio Yield for Plant Growth Promotion and Disease Control in Ornamental Crops	\$9,000	M.S. Reddy	Auburn University
Examine the Efficacy of Milsana and Investigate the Potential for Use in Greenhouse Tomato	\$10,000	Lori Gregg	Texas A & M University
Effect of Messenger (Harpin protein) on Avocado Root Rot Caused by <i>Phytophthora cinnamomi</i>	\$5,000	Lawrence J. Marais	Univ of California
Efficacy of Sonata and Serenade for Powdery Mildew in Pumpkin and Early Blight in Tomato Used in an Organic Production System	\$3,900	Margaret McGrath	Cornell University
Evaluation of Essential Oils for Managing Lepidopteran Pests in Turfgrass	\$8,000	Parwinder Grewal	Ohio State University

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ADVANCED STAGE			
Title	Award	Investigator	Institution
Evaluating the Effectiveness of Capsaicin for Control of Plum Curculio in Organic Apple Production	\$8,000	John Wise	Michigan State University
Foliar and Root Disease Control in Ornamental Crops	\$15,000	Mike Benson	North Carolina State Univ.
The Use of Kaolin Clay as a Disease Control Option in the Production of Greenhouse Cucumbers	\$6,800	Elizabeth Lamb	USDA, ARS, FL
Evaluating the Efficacy of Auxigro on Apples for Enhanced Yield and Quality	\$5,600	Teryl Roper	University of Wisconsin
Effect of AVG (Retain) on Fruit Set, Retention, and Quality of Lychee	\$9,000	Jonathan Crane	University of Florida
Advanced Stage subtotal	\$317,100		
EARLY STAGE			
Title	Award	Investigator	Institution
Field Testing <i>Bacillus mycoides</i> Isolate Bac J for Control of Cercospora in Sugarbeet	\$12,000	Barry Jacobsen	Montana State University
Bio-Nematicides for Management of Nematodes in Grapes	\$12,000	Ekaterini Riga	Washington State Univ.
Management of Root-Knot Nematode Diseases in Tomato, Cucumber, and Pepper.	\$9,000	M. Reddy	Auburn University
Evaluation of KeyPlex 350 DP for Control of Greasy Spot of Citrus	\$6,000	Robert Adair	Kerr Center for Sust Ag
Adapting Two Biopesticide (Repel and Metathripol) for Onion Thrips Control	\$10,000	Tong-Xian Liu	Texas A&M
Improving Mass Production of the Gypsy Moth Pathogen <i>Entomophaga maimaiga</i>	\$15,000	Ann Hajek	Cornell University
Field Efficacy: BioAct Biological Nematicide	\$12,000	M.S. Reddy	Auburn University
BIOACT WG-A Biological Nematicide	\$14,000	Susan Schenck	Hawaii Agr Res Ctr
Management of Oriental Beetle, <i>Exomala orientalis</i> (Waterhouse) (Coleoptera: Scarabaeidae) by Pheromone-Mediated Mating Disruption in Multiple Crops	\$20,000	Sridhar Polavarapu	Rutgers University
EARLY STAGE subtotal	\$110,000		
GRAND TOTAL	\$427,100		

Article by Michael Braverman