

# 2006 Biopesticide Grant Awardees

## Early Stage

### **Evaluation of Vacciplant (Physpe 4), a Plant Activator for the Control of the Blossom and Shoot Blight Phases of Fire Blight**

George W. Sundin      Michigan State University

### **Evaluation of Vacciplant for Management of Fire Blight**

Herb S. Aldwinckle      Cornell University

### **Enhancement of Baits for the European fire Ant With Pheromone - Phase II**

Francis A. Drummond & Eleanor Groden      University of Maine

### **Determine the Potential of Products Affecting Plant Hormones with Micronutrients for Management of Onion Thrips**

Tong-Xian 'T.-X' Liu      Texas A&M Univ. System-Texas Agricultural Experiment Sta.

### **Evaluation of Phomopsis amaranthicola for Palmer Amaranth Control**

Gregory E. MacDonald      University of Florida - IFAS

### **Raspberry Ketone Formate for Attract and Kill of Melon Fly**

Eric Jang      USDA-ARS-USPBARC

## Advanced Stage

### **Phytophthora and Rhizoctonia Control in Ornamentals with EcoGuard**

D.M. Benson      North Carolina State University

### **Evaluation of Spinosad with Min-U-Gel, Actigel, or Splat as a Replacement for Naled and Min-U-Gel for Reduced Risk Male Annihilation Treatments (with Methyl Eugenol and Cue-Lure) against Oriental Fruit Fly and Melon Fly**

Roger I. Vargas      USDA-ARS-PBARC

### **Improved Thrips Management in Greenhouse Ornamentals Production**

Christine Casey      North Carolina State University

### **Integration of BlightBan C9-1 and BlightBan A506 plus C9-1 with Conventional Fire Blight Management**

Kenneth B. Johnson      Oregon State University

### **Ammonium Pelargonate as a Bioherbicide in Plasticulture**

Mark VanGessel      University of Delaware

### **Evaluation of Bacterial Antagonists for the Control of the Blossom Blight Phase of Fire Blight**

George W. Sundin      Michigan State University

### **Efficacy and Compatibility of Biofungicides with Commonly Used Soil Fungicides in Production of Herbaceous Perennials** Repeat

William Kirk, Phillip Wharton      Michigan State University

### **Evaluation of Serenade and Muscodor for Efficacy Against Fungal Pathogens of Ornamentals**

Dr. Reddy Munagala      Auburn University

### **Biopesticide Control of Citrus Red Mite, Citrus Rust Mite, and Soft-Bodied Insects in Satsuma Mandarin**

Henry Y. Fadamiro      Auburn University

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### **Soil and Seed Treatments for the Management of Phytophthora Blight and Pythium Root Rot of Pepper**

Sally A. Miller                      The Ohio State University

### **Evaluation of Yield Shield as a Seed Treatment for Ginseng**

Mary K. Hausbeck                Michigan State University

### **Chancellor ST and WD Efficacy for Nematode Control in Michigan**

George W. Bird                    Michigan State University

### **Integration of Biopesticides for Control of Cranberry Cottonball Disease and Fungicide Resistance Management**

Patricia McManus                University of Wisconsin

### **Evaluating Biopesticides for Disease Control in Grapes**

Annemiek Schilder               Michigan State University

### **Evaluating Biopesticides for Disease Control in Blueberries**

Annemiek Schilder               Michigan State University

### **Evaluation of a Biopesticide Active Ingredient, Bacillus firmus at Different Concentrations and Combinations as an Alternative to Soil Fumigation for Potato Nematode Management**

Saad L. Hafez                      University of Idaho

### **Efficacy and Compatibility of Biofungicides and Reduced Risk Fungicides as Metalaxyl Alternatives for the Control of Oomycetes in Perennials**

William Kirk, Phillip Wharton   Michigan State University

### **Phosphite and Biofungicide Products at the Advanced Stage of Development Evaluated for Phytophthora Blight in Pumpkin**

Margaret Tuttle McGrath       Cornell University

### **Biological Control of Invasive Woody Weeds in Parks, Urban Areas and Landscapes with Chondrostereum purpureum**

Joseph C. Neal and D. Michael Benson   North Carolina State University

### **Evaluation and Comparison of Biofungicides and fungicides for the Control of Post Harvest Potato Tuber Diseases**

William Kirk, Phillip Wharton   Michigan State University

### **Mycotal for Hemlock Woolly Adelgid Management**

Scott D. Costa                      University of Vermont

## **Demonstration grants — *Co-funded by the Biopesticides and Pollution Prevention Division of EPA***

### **Evaluation and Incorporation of the Fungus Beauveria bassiana, for Control of Plum Curculio in Commercial Tart Cherry and Apple Production**

Mark Whalon                      Michigan State University

### **Promoting Expanded Adoption of Biopesticide-Based Codling Moth Management Through the Use of Machine Applied Mating Disruption Formulations**

Larry Gut                          Michigan State University

### **Management Programs for Internal Lepidoptera in Apples Using Granulosis Virus, Pheromone Mating Disruption, and In-Season Fruit Damage Inspection**

Arthur M. Agnello                Cornell University

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### **Demonstrating the Role and Assessing the Safety of Endorse for Alternaria and Botrytis Management in Ginseng**

Mary K. Hausbeck                      Michigan State University

### **Biofungicides with Efficacy for Controlling Dollar Spot of Bermudagrass**

Maria Tomaso-Peterson              Mississippi State University

### **Effectiveness of Serenade, Sonata and Prophyt Within a Biopesticide Intensive IPM System for Management of Downy Mildew on Broccoli**

Michael E. Matheron                  University of Arizona

### **Effectiveness of Serenade, Sonata and Kaligreen Within a Biopesticide Intensive IPM System for Management of Powdery Mildew on Cantaloupe**

Michael E. Matheron                  University of Arizona

### **Botanical Oil, Potassium Bicarbonate, and Biofungicide Products at the Advanced or Demonstration Stage of Development Evaluated for Powdery Mildew in Pumpkin**

Margaret Tuttle McGrath              Cornell University

### **Control of Brown Rot and Mucor Rot in Cherries with Arabesque Muscodor albus**

Robert A. Spotts                      Oregon State University

### **Application of Diallyl disulfide (DADS) to Stimulate Sclerotial Germination of Sclerotium cepivorum for the Control of White Rot of Garlic**

R. Michael Davis                      University of California, Davis

### **Control of Grapevine Powdery Mildew with Biofungicides**

Wayne F. Wilcox                      Cornell University, NYSAES

### **Phosphite and Biofungicide Products at the Demonstration Stage of Development Evaluated for Phytophthora Blight in Pumpkin**

Margaret Tuttle McGrath              Cornell University

### **Use of Phosphite Materials for Control of Pythium Species in High-Density blueberry Production Systems**

Phillip M. Brannen                    University of Georgia

### **Efficacy of Seed and Transplant Treatment with Streptomyces-based and Bacillus-based Biofungicides in Control of Phytophthora Blight on Chile Pepper**

Soum Sanogo                          New Mexico State University

### **Efficacy of High Release Rate MCH Dispensers to Prevent Douglas-fir Beetle Infestation**

Darrell W. Ross                        Oregon State University