

Northeastern IPM Center Partnership Grants Program

Project Report for Crop Profiles and PMSP's

A. Grant Data.

Title: Delaware Information Network for Pesticides and Alternative Strategies

Type: Crop Profile and PMSP

Lead investigator:

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States involved: DE, MD, NJ, and NC

Funding Year: 6/1/2006 – 6/30/2007

Funding amount: \$14,737

B. Nontechnical Summary.

Crop Profile Updates

Seven crop profiles were revised and current pesticides were added: lima beans, snap beans, sweet corn, green peas, spinach, squash, and watermelon. Extension specialist from the University of Delaware provided input into current pesticides for each commodity. The Project Director, King, researched pesticide labels using Delaware Department of Agriculture web sites and CDMS web sites to ensure that each pesticide was currently labeled for each commodity. King completed the revisions and submitted them to the NE IPM Center.

Watermelon PMSP

The Project Director, King, cooperated with Project Directors in Maryland, New Jersey and North Carolina to plan a workshop for the watermelon PMSP. King consulted with extension specialists and researchers before the workshop and wrote a draft Plan. The workshop was held on January 11, 2007 through interactive TV linkage in Georgetown, DE; Bridgeton, NJ; and Sampson County, NC. It was attended by 43 subject matter specialists, growers, consultants, applicators, chemical company representatives, pesticide regulators, and representatives from EPA, USDA and IR-4. The workshop was facilitated by Carrie Koplinka-Loehr at the Delaware site. King compiled the Plan which discussed the insect, disease, and weed pests of watermelon. Chemical and non-chemical control measures were listed. Chemical control products were identified according to their category: organophosphate pesticide, carbamate pesticide, B2 carcinogen pesticide and other pesticides. A production timeline was prepared and worker exposure was discussed. Representative costs for commodity production were also given. Efficacy tables for each pest/product were written. The impact of loss of critical control measure was discussed. Education, regulatory, and research needs were identified and prioritized at the workshop. The document was transmitted to the NE IPM Center upon completion.

C. Objectives.

Objective: Revise seven of the 13 Delaware Crop Profiles.
The profiles were revised and submitted to the NE IPM Center.

Objective: Write a Pest Management Strategic Plan for watermelons in Delaware, Eastern Shore Maryland, New Jersey, North Carolina, and Virginia
The Plan was written and submitted to the NE IPM Center.

D. Approach.

Crop Profile Updates

The Project Director, King, consulted the 2007 Commercial Vegetable Production Recommendations Bulletin for Delaware. She compiled a list of all pesticides given in the Profiles. She researched pesticide labels using the Delaware Department of Agriculture web site that lists pesticides registered in the state. She also researched pesticide labels on the CDMS web site to ensure that each pesticide was currently labeled for each commodity. Extension specialist from the University of Delaware provided input into current pesticides for each commodity. King compiled all information, edited the Profiles and forwarded revisions to the NE IPM Center.

Watermelon PMSP's

The Project Director, King, cooperated with Project Directors in Maryland, New Jersey and North Carolina to plan a workshop for the watermelon PMSP. King consulted with extension specialists and researchers before the workshop and wrote a draft Plan. The Plan was edited and completed during the Workshop. The completed Plan was transmitted to the NE IPM Center.

E. Results.

Crop Profile Updates

King transmitted the seven revised Profiles to the NE IPM Center for publication on the web.

Watermelon PMSP's

The completed Plan was transmitted to the NE IPM Center.