



Southern IPM Center

Proposal/Project Management System



**Project Title:** State Contact and IPM Documents for Kentucky

**Principle Investigator**

Patricia Lucas [1]

**State:** KY **Organization:** University of Kentucky Research Foundation

**Funding:** \$ 24,000

**Start Date:** Mar-01-2008 **End Date:** Feb-28-2009

**Summary:** The University of Kentucky seeks funds for the continuation of a State Contact for the Southern Region IPM Center to improve and maintain a communication network between the producers/stakeholders in Kentucky, Extension Specialists and the Southern Region IPM Center. The role and efforts of the State Contact will be as follows:

The contact will serve as the primary contact for regulatory questions related to pest management and pesticides. The contact will be responsible for establishing and maintaining electronic mailing lists to quickly disseminate requests for information from the Pest Management Center.

The contact will ask University Specialists to provide information for the documentation of activities related to pesticide and pest management inquires from other entities such as USDA and EPA.

The contact will work to increase involvement of a stakeholder network and an IPM Advisory Committee and provide documentation and evidence of their involvement in projects and activities. Evidence of stakeholder involvement will be made available on-line, including products derived from individuals and groups that participate in the network.

The contact will coordinate the collection and up-dating of information to establish stakeholder-identified IPM priorities, identify current and emerging pest problems or concerns, identify needed PMSPs and identify needed Crop Profiles.

The contact will make Extension Specialists aware of the need and use of Crop Profiles and Pest Management Strategic Plans (PMSPs) and provide the guidelines for preparing a Crop Profile and PMSPs. For those wishing to prepare a Crop Profile or PMSP, the contact will provide assistance with the development of the profile.

A list containing the names of IPM-related experts for research and Extension for the state of Kentucky will be developed.

The contact will maintain the project web site, the Kentucky Component of the Southern Region IPM Center, as part of the Kentucky IPM web site.

To present project results and to remain up-to-date on regional program efforts, the contact will attend the annual state contact meeting arranged by Southern Region IPM Center.

**Objectives:** 1. Develop and maintain systems that allow for the quick dissemination of questions / concerns received from the SRIPMC to persons in Kentucky with expertise and/or interest in the area of concern.

2. The contact will provide to the Southern Region IPM Center information for the documentation of activities related to pesticide and pest management inquiries from other entities such as USDA and EPA.

3. The contact will work to increase the involvement of the stakeholder network and the IPM Advisory Committee.

4. The contact will make available to Kentucky clientele information describing the importance, use, and support available for developing Crop Profiles, Pest Management Strategic Plans and Stakeholder-identified IPM Priorities within the state. The contact will serve as the coordination point for the projects and intermediary between groups developing these documents and SRIPMC.

5. The contact will make KY clientele aware of the number, type and date status of existing Crop Profiles and Pest Management Strategic Plans. The State Contact will establish a prioritized list for updating and developing the documents.

6. A list of IPM-related experts in Kentucky from Extension and Research will be updated.

7. Publications to be created and/or maintained include the web site for the Kentucky branch of the SRIPMC as a part of the Kentucky IPM site, news articles as information is available, in the newsletter Kentucky Pest News, and an annual Kentucky IPM Report highlighting IPM programs and results.

8. The contact will attend and present project results at the annual meeting of the Southern Region IPM Center.

### **Final Report:**

#### **Impacts**

The web site for the State Network Project for Kentucky has provided Extension Specialist and Researchers with a documented list of established needs and priorities that can serve as a guide in the identification and development of educational and research activities.

There is an increased interest and involvement of Extension faculty in the development of crop profiles and PMSPs.

Several IPM listservs have been established and were maintained by the Kentucky State Contact.

The lists are used to disseminate information on a national and regional level. This includes listservs for Plan Health, ipmPIPE, SBRSentinel and Soybean Rust.

### **Prioritization of Crop Profiles and PMSPs (State Contact only, required)**

The most up-to-date document for Kentucky at this time is the PMSP: Beef Cattle (KY and TN, 1/2005).

#### **Prioritization of Crop Profiles and PMSP:**

The High Priority list contains the documents most needed documents at this time.

High: 1.) PMSP- Nursery Crops and crop profile for Canola

2.) PMSP for Canola and Up-dating Wheat crop profile

3.) New Apple crop profile

Medium: 1. Vegetable and other Fruit (in no particular order)

Cabbage (last updated: 9/1/2001)

Cantaloupes (last updated: 6/16/03)

Sweet Corn (last updated 7/1/01)

Muskmelons (last updated: 6/16/03)

Peppers (last updated: 7/1/01)

Pumpkins (last updated: 9/1/01)

Tomatoes (last updated: 9/1/01)

2.) Crop profile and PMSP for Grain Sorghum

Low: Alfalfa (last updated: 12/1/02)

Corn (last updated: 11/27/02)

Soybeans (last updated: 5/1/03)

Tobacco (last updated: 6/20/03)

NOTE: A regional working group has been coordinated by Amy Fulcher, UK Extension Associate, and is currently developing the Nursery Crops documents. The wheat crop profile is in the process of being updated and the Canola crop profile is in development. A new apple crop profile will be developed in conjunction with the implementation of an EPA Region 4 Grant, Reducing Organophosphate Insecticide Use in Kentucky Apple Orchards, September 2009-August 2011.

### **Outcomes**

1. From 3/1/2008 through 2/28/2009, twenty-five requests for pesticide related information were received from the Southern Region IPM Center and forwarded to the appropriate University of Kentucky subject matter experts. Each request was forwarded to the appropriate subject matter specialists requesting responses. When requests are sent, instructions are provided to reply to the state contact or if they prefer to reply directly using the SR-IPM site. No responses were documented in 2007. In 2008, 4 responses were made to the Southern Region IPM Center and 8 to other agencies.

2. Other government related entities made the following requests for pest and pesticide information from University of Kentucky Specialists:

CSREES requested information from an Extension Entomologist for use in pesticide clearance for use on canola.

Extension Entomologist provided information to APHIS relating to a release request for the introduction of Western Bean Cutworm, which is not present in Kentucky, to evaluate corn hybrids. This information stopped the introduction of western bean cutworm in Kentucky.

University of Kentucky Extension Plant Pathologist reported request from EPA for information on all fungicides that are labeled for use on soybeans and wheat fungicides.

USDA-OPMP request from University of Kentucky Extension Plant Pathologist information on all fungicides labeled for soybean

Extension Plant Pathologist report requests from EPA in regard to issues relating to phytotoxicity and efficacy of fungicides

Extension Weed Scientist reported a discussion with an individual from NRCS about weed management for CRP/CREP areas.

Extension Weed Scientist reported a request from a Kentucky Department of Agriculture representative for herbicide use clarification.

3. Other information provided to University of Kentucky Faculty and staff by the state contact included:

Announcement for call for proposals for Southern Region IPM Center 2009 Enhancement Grants Part 1 and 2 (12/10/08).

Southern Region IPM Center announcement of the release of the Request for Applications for the 2009 IPM Enhancement Grants Parts 1 and 2.(12/10/08)

Announcement of RFA for EPA Environmental Community Grants to reduce pollution at the local level through the Community Action for a Renewed Environment (CARE) Program.(12/17/08)

Announcement of 2008 Farm Bill authorized the creation of the Agriculture and Food Research Initiative (AFRI), which replaces the National Research Initiative (NRI). (12/17/2008)

The latest (1/8/09) EPA pesticide Registration Review, a summary of key event and dates which includes the work plans for active ingredients.(1/23/09)

Release of request for applications for funding by CSREES of the Specialty Crop Research Initiative (SCRI) (7/14/08 and 2/10/09).

EPAs 2009 Methyl Bromide CUE Allocation Proposed Rule Published (12/8/08)

EPA work plan as of January 8, 2009, EPA Pesticide Registration Review including a summary of key events and dates(1/23/09)

4. The identified need for obtaining a desiccant labeled for use on Canola for KY has led to the prioritization of a crop profile and PMSP for Canola.

5. An up- dated list containing the names of the IPM-related experts for research and Extension for all the important commodities and settings pertinent to Kentucky was provided to the Southern Region IPM Center.(10/31/08)

6. The KY State Contact attended State Contacts Meeting in Mills River, North Carolina on November 18-19, 2008.

7. Amy Fulcher, UK Extension Associate for Horticulture was nomination for Friends of IPM Feature Leader Award. (11/26/08)

8. On March 5, 2008 the Annual IPM Planning/Advisory meeting was held. This meeting is held in western Kentucky and available by video conference to those in Lexington, KY. Specialists, County Agents, consultants and producers participated in the meeting. This annual meeting is coordinated by the state contact. Participants are made aware of the existing IPM priorities, crop profiles and PMSPs plus how these items are developed and the need for them to be updated.

This meeting is a part of our effort to establish and maintain our stakeholder network.

9. Additional activities involving the state contact include: maintaining the KY IPM and state network web sites, presentation of IPM programs for Master Gardener trainings, youth IPM presentations, coordination of Field Crops IPM Training School, updating and printing of IPM manuals for Field Crops, the coordination of the KY insect trapping network, operation and maintenance of field crop insect traps located at Princeton, KY and providing weekly insect trap counts for field crop pests March through October for the KY Pest News newsletter as well graphical results on the KY IPM web site.

**Web Site (State Contact only, required)**

The State Network Project for Kentucky, the Kentucky Pest Management Center, website is a part of the Kentucky IPM site. The Kentucky website can be found at <http://www.uky.edu/Ag/IPM/ipm.htm>. Links for pages that are a part of the State Network Project are displayed on the lower left side of the page.

The site:

This website addresses regional priorities established by the Southern Region IPM Center by providing IPM information for homes, gardens, and farms. Educational materials available through the Kentucky IPM website include information on new and exotic pests, pesticide labels, and materials for use with youth programs.

To the best of our knowledge, the material on this site is compatible with regional and national IPM Center sites and can contribute to regional and national databases.

Contact information for the Kentucky State IPM Coordinator, the Kentucky contact to the Southern Region IPM Center and University of Kentucky Specialists can be found on the site Contacts page at <http://www.uky.edu/Ag/IPMPrinceton/kysripm/contacts.htm>.

A description of the state network project can be found on the Kentucky Pest Management Information Center Home at <http://www.uky.edu/Ag/IPMPrinceton/kysripm/kysripmindex.htm>. More detailed abstracts and summaries are available for each year from the year-end reports available on the Projects and Reports page at <http://www.uky.edu/Ag/IPMPrinceton/kysripm/reports.htm>

All annual progress reports of Kentucky State Contact Projects can be found at <http://www.uky.edu/Ag/IPMPrinceton/kysripm/reports.htm>.

To the best of our ability, the State Network Project web pages comply with Section 508 of the Rehabilitation Act Amendments to the Workforce Investment Act of 1998.

All pages related to the state network project contain a highly visible logo and link to the Southern Region IPM Center and links for sources of additional information on pesticides, pesticide labels, MSDS and the Kentucky Regional Poison center.

The home page:

The Kentucky Pest Management Information Center, The Kentucky Component of the Southern Region IPM Center is displayed at the top of the state network project home page at <http://www.uky.edu/Ag/IPMPrinceton/kysripm/kysripmindex.htm>.

This site is supported, in part, with funding from the Southern Region IPM Center appears on all project page.

All Pages:

The Kentucky Component of the Southern Region IPM Center  with the words Southern Region IPM Center hyperlinked to the Southern Region web site appears on all project pages.

The footer of each page includes the date of the most recent up-date and a link to e-mail Questions/Comments. The footers of each page will be up-dated to include the name of the state contact as the person maintaining the pages.

---