



Center Update

June 9, 2005 - October 4, 2005

FROM THE DIRECTORS

This "Center Update" reports the activities and programs of the NC IPM Center, based upon the Center's objectives, to the National IPM Center Steering Committee, the other Regional IPM Center Directors and National Program staff from USDA and EPA. Our companion publication "NC IPM Center Connection" provides updates on IPM state programs and their successes. We hope you will find both of these publications useful to keep you informed of regional IPM programs accomplishments and opportunities. Both are available on our website.

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ACCOMPLISHMENTS TOWARDS NORTH CENTRAL IPM CENTER OBJECTIVE 1

Establish and facilitate a regionally based process for stakeholder identification and prioritization of emerging pest management issues and research, extension and outreach needs to respond to economic, human health, environmental and safety concerns related to pest management practices.

NC RIPM RFA PRIORITIES FROM STAKEHOLDERS

To improve programmatic coordination of IPM research and extension efforts the NC Region IPM Grants Program has incorporated research and extension priorities as outlined in the IPM Roadmap. In addition, an evaluation and measurement component is required of all projects. An NCIPMC Stakeholder Panel is being assembled based on nominations from NC Region IPM leadership to obtain input on priorities.

the RFA are IPM implementation, IPM documents (crop profiles and PMSPs) and Working Groups. These suggested priorities will be reviewed by the Directors and Steering Committee and inserted into the RFA for possible funding. The RFA will be released early this fall.

STEERING COMMITTEE MET IN DC

The NC IPM Center Steering Committee meeting was held in Washington D.C. in June 2005. Recommendations from the Steering Committee included making information more accessible to the region regarding programmatic issues; considering how best to share the outcome of the mid-term review with Extension and Experimental Station Directors and the ANR program leaders; and furthering engagement of the IPM Coordinators and facilitating stronger interaction between state-based research and Extension personnel.

NC IPM CENTER RFA PRIORITIES

Our NC IPM Center Advisory Committee (State Extension IPM Coordinators) and NC Working Group leaders have been invited to submit stakeholder identified priority IPM issues to be included in the 2006 (FY2005 funds) RFA. Areas covered in

ACCOMPLISHMENTS TOWARDS NORTH CENTRAL IPM CENTER OBJECTIVE 2

Serve as a focal point for collaborative team building to develop, improve, maintain and expand IPM practices in the North Central Region.

WORKING GROUP UPDATES

The NC IPM Center established five multi-disciplinary and multi-state groups Working Groups who will identify and prioritize IPM needs, build partnerships with key stakeholders, increase communication between team members and address the goals of the National Roadmap for IPM including evaluation of IPM successes.

The **Ornamentals Insect Working Group** is developing a survey instrument to send out to producers and other stakeholders regarding crops grown, production characteristics, pest problems, and pest management used. We are scheduling a work session at the ESA meeting in Ft. Lauderdale to try to finalize the survey. We also have been approved to hold a mini-symposium and a Working Group meeting in conjunction with the National IPM Symposium in early April.

The **Great Lakes Vegetable Working Group** is organizing the IPM vegetable survey conference on October 27-28 in Chesterton, IN. Stakeholders from multiple states and one province will represent vegetable commodities. In addition to the stakeholders, thirteen members of the GLVWG Project Committee will craft IPM adoption surveys for their respective crops and states. At the conclusion of the conference, the vegetable surveys will be nearly completed and ready to send to growers via the SurveyMonkey.com website. The listserv continues to be very active over the summer months with over 130 research, general, or diagnostic postings since May, 2005. The second annual GLVWG meeting will be held February 2006 in East Lansing, Michigan.

The **Potato Working Group** has begun working on the following regional IPM priorities. Monitoring resistance to pesticides in key pests (Objective 1). For Colorado potato beetle/neonicotinoid insecticides, Ed Grafius of MSU tested populations from MI, WI, and MN for imidacloprid and thiamethoxam resistance. He found some populations with increased resistance. Results are available at www.ipm.msu.edu/CAT05_veg/V09-21-05.htm#1. For early blight/strobilurin fungicides, Walt Stevenson (UW) has collected multiple samples of early blight from Wisconsin. Willie Kirk is collecting in Michigan and Neil

Gudmestad is collecting in ND and MN. North Dakota State will evaluate the isolates for sensitivity to strobilurin fungicides this fall. We are comparing state IPM educational materials to develop regional materials for potato IPM (Objective 3). Wisconsin's BioIPM Potato Workbook has been distributed to the other states for review by growers and extension specialists. The Working Group revised the NC Regional IPM strategic plan for potatoes (Objective 4) and it is posted on IPM Centers website at <http://www.ipmcenters.org/pmsp/pdf/MidwestPotatoPMSP.pdf>

The **Pulse Crops Working Group** held an advisory group meeting in early July, 2005 at Pierre, SD. A prioritized listing of activities for the Working Group was established. A pulse crops Listserv has been established and a website is nearing completion. A one-day, regional pulse crops research forum is planned for December 5, 2005 in Pierre, SD. The Working Group will expand the current annual North Dakota pulse crops producer priorities survey to include South Dakota and Nebraska. The Working Group will expand to serve producers in the Great Plains pulse crops growing areas of SD, ND, NE and Montana.

The **Evaluation/Measurement Working Group** chair, Carol Pilcher, is now the chair of the National IPM Evaluation Subcommittee which is meeting Oct. 18-19 in Chicago to develop logic models for IPM Evaluation. She has been working with the GL Vegetable Working Group on survey development. She has also offered to meet with the IPM coordinators to work on their evaluation efforts, and is mentoring the other Working Groups on evaluations.

NORTH CENTRAL SOYBEAN APHID SUCTION TRAP MONITORING NETWORK

Dr. David Voegtlin of the Illinois Natural History Survey was awarded a grant from the NC Region IPM Center to create a regional Soybean Aphid Suction Trap Network. This network currently spans six states in the region: Minnesota, Iowa, Wisconsin, Illinois, Michigan, and Indiana. Mike Greifenkamp created an on-line system to upload and view trap data by map locations. For more information, see <http://www.ncipmc.org/traps>

ACCOMPLISHMENTS TOWARDS NORTH CENTRAL IPM CENTER OBJECTIVE 2 (CONTINUED)

NC RIPM RFA RELEASED

On August 11, 2005, the FY06 NC RIPM RFA was released and is available at http://www.csrees.usda.gov/funding/rfas/ipm_northcentral.html. Letters of intent and fully developed proposals were required to be submitted electronically through the NC Region IPM Center eGrants on-line system developed by Michael Greifenkamp (<http://www.ncipmc.org/egrants>). Seventy-nine Letters of Intent were submitted via the eGrants system.

IR-4

The NC IPM Center continues to communicate grower priorities to the IR-4 for minor crop pesticide registrations from the PMSP Workshops. In August, the Pumpkin PMSP authors were asked to submit a Pesticide Clearance Request form for s-metolachlor + fomesafen combination for the Food Use Workshop held in September.

ACCOMPLISHMENTS TOWARDS NORTH CENTRAL IPM CENTER OBJECTIVE 3

Enhance the ability of the land-grant system and USDA to provide IPM users, researchers, governmental agencies, and the public with the information and knowledge they need to increase IPM adoption and reduce unreasonable adverse environmental effects from pests and the use of pest management practices.

INFORMATION REQUESTS AND RESPONSES

In the past three months, the NC IPM Center has received seven requests for information on aldicarb (conference calls), chloroneb, ferbam, mancozeb, napropamide, PCNB, and on-going fumigant cluster conference calls. Requests are sent to the IPM Coordinators and they in turn ask their specialists to respond. Lynnae Jess pulls these responses into one regional response and sends these to OPMP and the EPA.

national working group of potato experts from the top production areas in the United States to provide input for the potato wart recovery plan. Topics covered include disease spread, survey and detection methods, economic impact, diagnostic techniques, mitigation, disease management and research priorities.

NC IPM CENTER WEB SITE OVERHAUL

Mike Griefencamp at UIUC re-deployed the NC IPM Center website over the last two years; it went public last June. He purchased and installed new equipment with security enhancements. He then redesigned the site based on the North East IPM Center. He has written programs for automated site administration, electronic proposal submission, news items, IPM symposium management, etc. Mike attends IPM Centers Technical Committee meetings.

NCR-046 CORN ROOTWORM PUBLICATION

Drs. Ratcliffe and Gray are collaborating with members of NCR-046 (Development, Optimization and Delivery of Management Strategies for Corn Rootworms) on a corn rootworm publication. The purpose of this project is to gather the expertise for a user-friendly management guide. The printed version will provide a concise summary of corn rootworm IPM strategies and the web version will provide additional links to more detailed information.

POTATO WART RECOVERY PLAN

USDA provided funds to develop recovery plans for a series of serious plant diseases of national importance. NC IPMC staff at Michigan State University are developing the recovery plan for potato wart (*Synchytrium endobioticum*). The goal of a recovery plan is to review the current status and develop a plan to manage the disease in the event that it enters the United States. This is in response to Homeland Security Presidential Directive No. 9 (HSPD-9). We are assembling a

SOYBEAN RUST: SCOUT BEFORE YOU SPRAY VIDEO ON CD

A Soybean Rust CD showing proper scouting techniques and fungicide application (if necessary) was produced using footage obtained from a tour of soybean fields in Brazil. The development of this CD was a collaborative effort with USDA CSREES, APHIS, ARS, the IPM Centers, the National Plant Diagnostic Network, the Illinois Farm Bureau and the University of Illinois. One thousand copies of the training video CD have been distributed throughout soybean production areas with the assistance of Land-Grant University soybean research and Extension specialists.

ACCOMPLISHMENTS TOWARDS NORTH CENTRAL IPM CENTER OBJECTIVE 3 (CONTINUED)

UPDATE ON PEST ALERT AND TRAINING CDs

The development of regional and national pest alerts, in addition to training CDs has continued to address numerous IPM related issues. To date, over 1.3 million copies of these educational materials have been distributed by the NC IPM Center with the assistance of the Land-Grant Universities, the National Plant Diagnostic Network, APHIS, ARS, U.S. Forest Service, the National Plant Health Board, and CSREES. New pest alerts are under development for Tospovirus (national), Cycad Scale (regional), and Woodboring Insects (regional).

PUMPKIN PMSP

The Midwest Pumpkin PMSP is completed and is on the web site at <http://www.ipmcenters.org/pmsp/index.cfm>. This was part of the Illinois State Contact grant by Bruce Paulsrud. The Pumpkin PMSP covered Illinois, Indiana, Iowa and Missouri.

5TH NATIONAL IPM SYMPOSIUM

Planning for the plenary and closing sessions is completed. Featured speakers include Mike Fitzner, USDA-CSREES; Mike Gray, NCIPMC; Craig Watson, SYSCO; Jorge Fernandini, IAF del Peru; Ed Rajotte, Penn State; Debbie Raphael, City of San Francisco; Steve Johnson, EPA; Frank Zalom, UC Davis; Peter Kenmore, FAO, Rome; and the Hartman Group. A Call for Posters will be released in the near future. The 5th National IPM Symposium web site can be accessed from the following URL: <http://www.ncipmc.org/symposium>. Currently, sponsors and contributors for the symposium include Agraquest, Crop Life, DelMonte, Gerber, General Mills-Green Giant, NSF Center for IPM, USDA-OPMP, USDA-APHIS, USDA-NASS, USDA Regional IPM Centers, and the U.S Forest Service.

ACCOMPLISHMENTS TOWARDS NORTH CENTRAL IPM CENTER OBJECTIVE 4

Ensure accountability and leadership for proper management and distribution of Center resources.

MID-TERM CENTER REVIEW

Larry Olsen is assisting CSREES in planning the mid-term review of each of the Regional IPM Centers which will occur next February. An external review panel will evaluate the programs and accomplishments of each Center, and offer suggestions to increase the effectiveness of each Center.

PROJECT ACCOMPLISHMENTS

To communicate the accomplishments generated by the NC RIPM Grants Program with new audiences, a regional publication is under development in cooperation with over 25 Project Directors of recently completed research and extension grant projects

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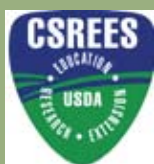
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