

Northeastern IPM Center (NEIPMC) Partnership Grants Program 2007 Annual Report for New Jersey's State Network Project

A. Grant Data

- **Title:** New Jersey Information Network for Pesticides and Alternative Strategies
- **Type:** State Network Project (SNP)
- **Lead investigator:**
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- **State(s) involved:** New Jersey
- **Funding year:** 2007
- **Funding amount:** \$15,000

B. Summary: The New Jersey SNP links the stakeholders of: our State, regional partners of other States, the NEIPMC, and the federal government on issues related to use and usage of all IPM tactics, including pesticides, in all IPM settings in New Jersey. The New Jersey SNP improves the shared knowledge, awareness, and understanding of pest management practices between local, State, regional, and national stakeholders.

The goals and objectives of our SNP are guided by an Advisory Committee of New Jersey stakeholders representing a diversity of perspectives and technical expertise. This committee includes: growers, crop consultants, pesticide users, public interest and environmental groups, pesticide registrants, Federal and State regulators, NEIPMC, and Extension outreach and research. Advisory Committee members use the New Jersey SNP to keep their stakeholders informed of technical guidance in the practice of IPM, changes in regulatory requirements, and alerts from local, State, or Federal agencies. We also keep them informed of training, conference, and funding opportunities for their stakeholders.

We use different tools (web site, listservs, meetings, training sessions, and teleconferences) to facilitate informed decision-making on pest management practices to make sure that those regulated and the regulators are on the same page. We advise and make available to all stakeholders new resources developed by the NEIPMC, mid-Atlantic partner states, and our SNP. We provide and solicit input of New Jersey stakeholders to pesticide use surveys, Crop Profiles, and Pest Management Strategic Plans (PMSPs). Using a pest-by-pest approach, the plans identify current management practices (chemical and non-chemical) practiced in New Jersey and those under development. These document our State stakeholder priorities for key New Jersey commodities for research, regulatory activity, and education needed for transition to IPM.

C. Objectives:

Objective 1: Maintain an advisory committee: The Advisory Committee previously assembled will guide the activities of the NJinPAS.

This objective was successfully accomplished in 2007. The 2007 Advisory Committee was comprised of New Jersey stakeholders representing a diversity of perspectives and technical expertise; see Appendix 1 for a list of members. See 'Results' below for more details.

Objective 2: Liaison between NEIPMC, Land Grant Universities, and Other State Agencies - The New Jersey SNP will coordinate and communicate its activities with State and regional stakeholders.

In 2007, we shared regional resources and information between the NEIPMC and mid-Atlantic SNPs to avoid duplication of effort. Three members of the NEIPM Center and Harvey Reissig (replacing New York's George Goode) were added to this membership for 2007; see Appendix 4 for a table of the 'New Jersey State Network Project Partners - 2007'.

We used our regional 'State Partners' listserv to announce and coordinate pesticide surveys, crop profiles, and pest management strategy plans; as well as announce the monthly release of State newsletters like Maryland's 'Pesticide Notes' and NEIPMC's 'On Target'.

Our Project Coordinator discussed possible collaborations on Crop Profiles and PMSPs with Directors of the mid-Atlantic partner states. As a result, New Jersey stakeholders (pepper growers and Extension Vegetable IPM program members) will be participating by videoconference in the February 11, 2008 Work Group Meeting for the production of a regional PMSP for green pepper.

We coordinated activities between the outreach and research of Rutgers NJAES Cooperative Extension (New Jersey's land grant institution); State and regional Integrated Pest Management (IPM), Pesticide Applicator Training (PAT), the IR-4 Minor-use Pesticides programs, the New Jersey Department of Agriculture (NJDA), the Natural Resources Conservation Service (NRCS) and the New Jersey Department of Environmental Protection (NJDEP) Pesticide Control Program. Also, we used the Project website and listservs to keep all of these stakeholders up to date with regulations, training, grants, conferences, and important alerts.

Objective 3: Federal and State Agency Primary Information Source - Links will be established between federal partners and agricultural researchers, extension specialists, and other stakeholders so that information on pest management practices can be made available to federal partners in a timely manner in response to issues raised by FQPA or other regulatory decisions.

This objective was successfully accomplished in 2007. We processed 13 requests for information from USDA regarding pesticides being considered for reregistration to Rutgers NJAES Cooperative Extension Specialists (See 'Results' below).

In 2007, the NJ SNP announced the completion of Crop Profiles for New Jersey cucumber, tomato, and pumpkin to State and Federal partners (Advisory Committee listserv), to NEIPMC and mid-Atlantic (Partners listserv), as well as to the all other stakeholders (Network listserv). Further, our website provided Federal agencies making reregistration decisions access to 28 Crop Profiles and PMSPs that have been technically reviewed by our Specialists in entomology, plant pathology, and weed science.

Additionally, our Specialists wrote justifications for the 2007 growing season for Section 18 and 24 (c) pesticide registrations that the NJDEP used to submit to EPA for approval; these are posted online at www.pestmanagement.rutgers.edu/njinpas/PesticideRegistration/NJregistrations.htm.

Objective 4: Compliance Advisories and Assistance to Stakeholders - We will continue to deliver pesticide regulatory information to researchers, extension educators, growers, crop consultants, pesticide users and other stakeholders in the State.

In 2007, the New Jersey SNP posted pesticide notices, compliance advisories, and requests for comment to its network of 10 listservs. Further, we announced online availability of information or new resources developed under our SNP such as pesticide use surveys, crop profiles, or PMSPs. We also alerted stakeholders to training, conference, and funding opportunities (in particular, those sponsored by the NEIPMC). See Appendix 5 for a list of postings for December through November 2007.

Objective 5: Project Web Site – The SNP will maintain a project website.

The home page for the New Jersey SNP is www.pestmanagement.rutgers.edu/NJinPAS/NJinPASindex.htm. The website currently houses more than 50 project web pages plus nearly one thousand online individual listserv postings in the Online Listserv Posting Archive (see Appendix 6 for the site map; see “Results” below for further detail).

Objective 6: IPM Working Group Facilitation – The New Jersey SNP will facilitate involvement of stakeholders in Working Groups.

The SNP nominated and enrolled two representatives of New Jersey (Joseph Mahar and Kristian Holmstrom, both the Rutgers NJAES Cooperative Extension Vegetable IPM Program) to participate in the Vegetable IPM Working Group. They contacted the Work Group Leader under funding to let her know that they wished to participate. Our representatives reported that there were no meetings or teleconferences conducted by the Vegetable IPM Work Group in 2007.

The NJ SNP invited Barry Draycott of Terra Tech to participate in the Community IPM Working Group as a member of New Jersey’s ‘green’ industry. He is familiar with the work of the Community IPM Work Group as he attended the Green Blue Summit sponsored by the NEIPMC in July. At the close of 2007, we requested the Work Group leaders to include him as a member, and to provide details of participation in this Work Group.

Objective 7: Subcontract Management – The New Jersey SNP will participate in all subcontracts between Northeastern IPM Center and other entities of Rutgers NJAES Cooperative Extension in order to minimize total indirect costs for the Center.

This objective was met. See ‘Results’ below for list of subcontracts managed.

D. Results

1) Regulatory Agency Inquiries

- The NJ SNP Project Director directed all requests for information from the NEIPMC, USDA, or EPA to appropriate New Jersey Extension Specialists. In all of his transmissions, the Project Director requested to be carbon copied electronically of all responses made. No response sent indicates there was not an issue for address for New Jersey commodities.
- The requests sent to New Jersey Specialist by title (requestor) and NJ Specialists in 2007 were:
 - 1.USDA (Burr) Methomyl and alidicab—J. Ghidiu, K. Homstrom, J. Mahar
 - 2.USDA (Smith) Ferbam on Cherries- N. Lalancette
 - 3.USDA (Burr) Nicotine (Fulex)- J.Wilmott, J. Lashomb
 - 4.USDA (Jennings) Dichlorvos (DDVP) in livestock operations- D. Lee, B. Mickel
 - 5.USDA (Chin) Avitrol —Director determined as not an issue
 - 6.USDA (Jennings) Methomyl on grapes—P. Shearer, C. Rodriquez- Sanoa
 - 7.USDA (Jennings) Endosulfan on assorted vegetable and fruit crops- P. Shearer, G. Ghidiu
 - 8.Chlorpyrifos Petition to Cancel All Uses- P. Shearer, G. Ghidiu, A. Koppenhoeffter, C. Rodriquez-Sanoa
 - 9.USDA (Chin) Malathion on assorted vegetable, fruit, nursery- Director determined as not an issue
 - 10) USDA (Chin) Aldicarb final label-- Director determined as not an issue
 - 11) USDA (Jennings) Endosulfan- G. Ghidiu, P. Shearer- responses received; determined not an issue.
 - 12) USDA (Smith) EDBC on potato- A. Wyenadt. Response sent December 3, 2007.

2) Advisory Committee

- In 2007, the New Jersey SNP Advisory Committee was comprised of 31 stakeholders representing a diversity of perspectives and technical expertise. Specifically, this committee included representatives from agricultural and horticultural industry; Extension; University researchers; environmental and public interest groups; state and local government; and the NEIPMC.
- For a detailed list of our members and their affiliations, see Appendix 1 ‘New Jersey SNP Advisory Committee - 2007’.
- The Advisory Committee met on October 16, 2006 to evaluate our SNP’s progress and let us know of any changes in stakeholder needs for 2007 (see Appendix 2 for the meeting Agenda).
- The recommendations made by Advisory Committee during their annual meeting are documented in meeting minutes (see Appendix 3). Carrie Koplinka-Loehr of the NEIPM Center teleconferenced into this meeting.

- The minutes of all Advisory Committee meetings and annual reports since 2001 are posted online at www.pestmanagement.rutgers.edu/NJinPAS/Advisorycommittee.Htm.
- The NJ SNP consulted with and was consulted by members of the Advisory Committee throughout 2007. We provided progress and information to them for their stakeholders via the Advisory Committee listserv.

3) Website

- In 2007, the website contained approximately 50 web pages plus nearly one thousand individual listserv postings in the Online Listserv Posting Archive (see Appendix 4 for the Rutgers Pest Management Office website map that houses the SNP web pages).
- In 2007, we completed a complete website renovation importing all web pages into a global template that streamlined browsing the site for users. All pages we edited for content.
- We were unable to track all changes. But, we added the most content to the following pages: home page; Advisory Committee; Pesticide Registration pages (Section 18s, Section 24Cs); School IPM pages (Model IPM Policy and Plan, School IPM Tools, and Low Impact Pesticides); Vegetable IPM Presentations, and Pest Distribution Mapping.
- We added new reports or publication as follows: 2006 Progress Report; 2006 Meeting Minutes; crop profiles for cucumber, kale, pumpkin, and tomato; newly released pesticide use surveys for lawn (2004), Mosquito (2004), agriculture (2003), right of way (2003), and structural (2002); Vegetable IPM scouting forms (tomato, heading cole crops, and pepper); and archived weekly pest distribution maps for the 2007 growing season (38).
- Statistics for traffic on the website is monitored and compiled by 'Webtrends'. In 2007, there were approximately 74,000 visitors to the website. There were well over 205,000 site visits with an average duration of 11:43 minutes. There were more than 700,000 hits for the 11-month reporting period.
- The top pages viewed included those related to IPM guidelines, crop profiles, pest distribution maps, and School IPM. Webtrends reports indicate that website activity peaked from June through October. There was a (currently unexplained) spike of activity on the Fruit IPM pages in September 2007.
- As previously reported, the New Jersey SNP website meets 11 of the twelve NEIPMC published standards (per <http://neipmc.org/statenet/webstandards.cfm>). Specifically, our website is not 100% compliant with Section 508 of the Rehabilitation Act Amendments to the Workforce Investment Act of 1998. In December 2003, the Rutgers Web Site Manager tested the New Jersey SNP web pages using WebExact for quality, accessibility, and privacy issues; he advised us that it would be nearly impossible to achieve 100% compliance.

4) Distribution of Information

- The New Jersey SNP distributed information to its stakeholders using an email listserv and mailing infrastructure. We maintained the following ten listservs in 2007: Network, Vegetables, Forests and Xmas trees, Field and forage crops, Fruit, Turf-ornamentals-greenhouse-nursery, Interiors and institutions, School IPM, Invasives, and Mosquito.
- In 2007, approximately 400 persons were enrolled in the listservs with approximately 900 individual listserv enrollments. Enrollees in 2007 included growers, crop consultants, pesticide users, Extension faculty and staff, State & local government,

University researchers, environmental and public interest groups, and regional and national partners.

- There have been a total of nearly one-thousand postings to the listservs since inception in late 2001. We were unable to discern from the Webtrends report the total individual listserv posting downloads for 2007. However, past tracking showed several thousand to 300,000 downloads annually.
- These listservs are not open to public posting as they are designed for information delivery rather than to be a forum. We announced changes in regulatory requirements, and alerts from local, State, or Federal agencies. We posted training, conference, and funding opportunities as well as technical guidance in the practice of IPM.
- In cooperation with NJDEP and the New Jersey Environmental Federation, Rutgers NJAES Cooperative Extension hosted courses certifying several hundred School IPM coordinators by the close of 2007.
- New Jersey pesticide applicators are required by State law to be licensed. In 2007, New Jersey SNP staff presented lectures on State pesticide regulations and requirements to several thousand applicators seeking recertification. Additionally, we provided special trainings in basic regulations that were translated in Spanish to serve the growing population of Latino pesticide applicators.

5) Northeastern IPM Center meeting attendance

Members of the NJ SNP did not attend the Green Blue Summit held in July 2007. We did, however, request the videotapes from the NEIPMC to place on our website. In the interim, we have procured video segments from the Summit from 'You Tube'.

6) List of Subcontracts Managed

- Developing a Fungicide Resistance Management Guide for Vegetable Growers in the Mid-Atlantic Region. Rutgers Univ. Wyenandt, A.
- Holding a Working Group Meeting for Setting Objectives for Wireworm IPM in the Mid-Atlantic States. Rutgers Univ. Hamilton, G.

Additional work

1. Coordination with Other Agencies and Programs

Project Director George Hamilton, in his role as both State IPM and Pesticide Safety Education Coordinator, routinely communicates with faculty and staff connected with the Blueberry, Nursery, Tree Fruit, and Vegetable IPM programs, faculty in other states and other regional Pesticide Safety Education Programs. This has allowed the transfer of information between growers, staff, Coordinators, and Extension Specialists.

Statewide coordination of information with a varied group of pest management stakeholders is also facilitated by Project Director George Hamilton through his activities as a member of the New Jersey 'Governor's Pesticide Advisory Committee'. This committee advises the Administrator of the NJDEP Pesticide Control Program on pesticide policy. Serving on the committee are representatives from growers, lawn care applicators, structural pest control

applicators, pesticide registrants, aerial applicators, pesticide dealers, New Jersey Public Health, and the NJDA.

2. *Conferences, surveys, special projects, attendance at other events*

Project Director George Hamilton was a speaker at the 2007 New Jersey Beekeepers Association Meeting in October. He provided an update of Rutgers NJAES progress in procuring an Apiary Specialist. Additionally, he met with NJDA State Apiarist Tim Schuyler to discuss working on the PMSP for Honey Bees for New Jersey.

One of the key issues facing New Jersey stakeholders is the detection of invasive pests of economic importance, and development of successful pest management strategies. The New Jersey SNP has provided stakeholders with advisories from the NJDA Division of Plant Industry on critical issues such as Asian Long-Horned Beetle, Brown Marmorated Stink Bug (BMS), Emerald Ash Borer, and Sudden Oak Death (SOD). For Asian Long-Horned Beetle, we posted NJDA's 2007 alerts with details of the quarantine and eradication programs for New Jersey towns invaded by this invasive pest.

For BMS, we provided an online reporting system since for the public to alert us when this invasive is found in their area. We instituted this system in 2004 with a total of 35 sightings reported. We received more than one thousand sighting reports for 2007. We forward these reports to the NJDA. This provides Rutgers University researchers and NJDA investigators with important data on the presence and spread of BMS they work on determining a pest management strategy for this invasive.

For Asian Long-Horned Beetle, we posted NJDA's 2007 alerts with details of the quarantine and eradication programs for New Jersey towns invaded by this invasive pest.

3. *Other inquiries answered on behalf of IPM in the region (e.g., IR-4)*

The Project Director referred an IR-4 request (Lurvey) for information the use of Fusilade in vegetables and stone fruit crops to Extension Weed Specialist Brad Majek.

4. *Newsletters or other stakeholder outreach (number distributed)*

Other Rutgers NJAES Cooperative Extension Resources made available to New Jersey stakeholders in 2007 included the following:

- Vegetable IPM Program: 5 emergency pest alerts issued to approximately 140 stakeholders
- Vegetable IPM Program: weekly pest distribution maps (ECB, CEW and BAW) for use by IPM practitioners
- The Blueberry Bulletin (newsletter): more than 30,000 online downloads; 200 subscribers to 24 issues weekly
- Northeast Floriculture IPM Notes (newsletter): online downloads unknown; 20 subscribers to 5 editions

- Plant & Pest Advisory- (newsletters from cooperative effort of county agents, research specialists, growers, landscapers and the agricultural services industry)
 1. Fruit- 32 issues to 212 subscribers monthly April through March
 2. Landscape, Nursery & Turf- 16 issues to 322 subscribers March through November
 3. Cranberry- 10 issues to 40 subscribers April through August
 4. Vegetable Crops- 28 issues to 237 subscribers March through October. These included 22 articles on utilizing IPM

5. ***How you have leveraged funds***

This has not occurred during the reporting period.

E. Appendices

1. New Jersey State Network Project Advisory Committee Members - 2007
2. Advisory Committee Meeting Agenda - 2006 (handouts distributed are posted on the website)
3. Advisory Committee Meeting Minutes Narrative
4. New Jersey State Network Project Partners- 2007
5. NJ SNP Listserv Postings for 2007
6. Pest Management Office Web Site Map (including SNP pages)