

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:**
George C. Hamilton, PhD; Extension Specialist in Pest Management
Rutgers New Jersey Agricultural Experiment Station (NJAES) Cooperative Extension
Department of Extension Specialists
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New Brunswick, NJ 08901
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- **Team members:**
Patricia D. Hastings
Rutgers NJAES Cooperative Extension
- **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)

New Jersey State Network Project Advisory Committee- 2007

Appendix 1

Internal Sort	Area of Concern/Role	Last Name	First Name	Title	Organization Name	Address	City	State	Zip	Work Phone	Email Address
NJ Industry Partner	Pest Control	Douglen	Leonard	Executive Director	NJ Pest Management Association	P.O. Box 24	Livingston	NJ	07039-3605	(800) 524-9942	NJPCAssoc@aol.com
Federal partner	EPA Region 2- regulator	Enache	Adrien	Team Leader - Pesticides Section	US EPA Region 2	Raritan Depot - Woodbridge Ave. 2890 Woodbridge Avenue	Edison	NJ	08837-3679	(732) 321-6769	enache.adrian@epa.gov
Rutgers NJAES Cooperative Extension	Tree Fruit Working Group - NJ County Outreach	Frecon	Jerome	County Agricultural Agent	Rutgers NJAES Cooperative Extension of Gloucester County	County Bldg., Delsea Drive	Clayton	NJ	08312-1095	(856) 307-6450	frecon@aesop.rutgers.edu
NJ Industry Partner	Horticulture, Tree Fruit, Vegetable	Gaventa	Edward	President	New Jersey State Horticultural Society	197 Repaupo Road	Logan Township	NJ	8085	(856) 467-8028	edgaventa@juno.com
Rutgers NJAES Cooperative Extension DES	Vegetable Entomology	Ghidiu	Gerald	Specialist in Entomology	Rutgers Agricultural Research and Extension Center	121 Northville Road	Bridgeton	NJ	08302-5919	(856) 455-3100x4116	ghidiu@aesop.rutgers.edu
Rutgers NJAES Cooperative Extension DES	IPM Program Leader	Hamilton	George	Specialist in Pest Management	Rutgers NJAES Cooperative Extension Pest Management Office	93 Lipman Drive	New Brunswick	NJ	08901-8524	(732) 932-9801	hamilton@aesop.rutgers.edu
Rutgers NJAES Cooperative Extension DES	Pesticide Safety Education Program Coordinator; School IPM Outreach Coordinator	Hastings	Patricia	Program Associate- Pest Management	Rutgers NJAES Cooperative Extension Pest Management Office	93 Lipman Drive	New Brunswick	NJ	08901-8524	(732) 932-4271	hastings@aesop.rutgers.edu
Rutgers NJAES Cooperative Extension	Vegetable IPM Coordinator	Ingerson-Mahar	Joseph	Vegetable IPM Coordinator	Rutgers NJAES Cooperative Extension Pest Management Office	93 Lipman Drive	New Brunswick	NJ	08901-8524	(732) 932-4272	mahar@aesop.rutgers.edu
NJ State partner-regulator	Pesticide Control - State Lead Regulatory Agency	Jameson	Marcedius	Adminstrator	NJDEP Pesticide Control Program	PO Box 411	Trenton	NJ	08625-0411	(609) 984-2011	Marcedius.Jameson@dep.state.nj.us
Rutgers NJAES Cooperative Extension	Nursery Working Group Chair	Johnson	James	County Agricultural Agent	Rutgers NJAES Cooperative Extension of Cumberland County, Exten. Education Center	291 Morton Avenue	Millville	NJ	08332-9776	(856) 451-2800	jjohnson@aesop.rutgers.edu
NJ State partner-regulator	NJDEP - Mosquito Control Regulatory Agency	Kent	Robert	Adminstrator	NJDEP Office of Mosquito Control Coordination	PO Box 400	Trenton	NJ	08625-	(609) 292-3649	bob.kent@dep.state.nj.us
Rutgers NJAES Cooperative Extension	Field Crops Working Group Chair	Kluchinski	Daniel	Chair	Rutgers NJAES Cooperative Extension	88 Lipman Drive	New Brunswick	NJ	8901	(732) 932-5000 x590	kluchinski@aesop.rutgers.edu
NEIPMC	Northeastern IPM	Koplinka-Loehr	Carrie	Co-director, Northeastern IPM Center	The Insectary; Cornell University		Ithaca	NY	14853	(607) 255-8879	cck3@cornell.edu
Federal partner	EPA Region 2- regulator	Glynn	Tara	FIFRA Program Coordinator	US EPA Region 2	Raritan Depot - Woodbridge Ave.; 2890 Woodbridge Avenue MS-500	Edison	NJ	08837-3679	732-906-6183	glynn.tara@epa.gov
Federal partner	EPA Region 2- regulator	Moore	Audrey	Regional Ag Policy Specialist	US EPA Region 2	Raritan Depot - Woodbridge Ave.; 2890 Woodbridge Avenue MS-500	Edison	NJ	08837-3679	(732) 906-6809	moore.audrey@epa.gov

New Jersey State Network Project Advisory Committee- 2007

Appendix 1

Internal Sort	Area of Concern/Role	Last Name	First Name	Title	Organization Name	Address	City	State	Zip	Work Phone	Email Address
NEIPMC	Northeastern IPM	Myers	Liz	Staff Writer, Northeastern IPM Center	216 Roycroft Road		DeWitt	NY	13214	(315) 251-0713	ebm24@cornell.edu
Rutgers NJAES Cooperative Extension DES	IR-4 Liason	Nicholson	William	Director	Rutgers Agricultural Research and Extension Center	121 Northville Road	Bridgeton	NJ	8302		nicholson@aesop.rutgers.edu
NJ industry partner	Agriculture	Nieuwenhuis	Richard	President	NJ Farm Bureau	168 West State St.	Trenton	NJ	08608-	(609) 393-7163	richn@njfb.org
Rutgers NJAES Cooperative Extension	NJ Agribusiness Association (Secretary) - County Agent	Nitzsche	Peter	County Agricultural Agent	Rutgers NJAES Cooperative Extension of Morris County	P.O.Box 900-Court House	Morristown	NJ	07963-0900	(973) 285-8304	nitzsche@aesop.rutgers.edu
NJ public interest	NJ Environmental Federation Rep	Nogaki	Jane	Pesticide Program Coordinator	NJ Environmental Federation	223 Park Ave.	Marlton	NJ	08053-	(856) 767-1110	janogaki@comcast.net
NJ Industry Partner	Landscape & Nursery Industry	Nordstrom	Carl	Executive Director	New Jersey Nursery & Landscape Association (NJNLA)	605 Farnsworth Ave	Bordentown	NJ	08505	(609) 291-7070	njnla1@aol.com
Rutgers NJAES Cooperative Extension	Statewide Fruit IPM Agent	Polk	Dean	Statewide IPM Agent - Fruit	Rutgers Fruit Research and Extension Center	282 Route 539	Cream Ridge	NJ	08514-9634	(609) 758-7311x23; cell: 609-902-1134	polk@aesop.rutgers.edu
NJ Industry Partner	Green industry	Sadlon	Nancy	Executive Director	The Alliance For Environmental Concerns, Inc.	P.O. Box 4292	Warren	NJ	07059-4292		econcerns@eclipse.net
NJ State partner	Plant Industry Regulator- invasives, beneficial insect rearing; phytosanitary inspection.State agriculture	Schulze	Carl	Director, Division of Plant Industry	New Jersey Department of Agriculture; Division of Plant Industry	John Fitch Plaza; PO Box 330	Trenton	NJ	08625-0330	(609) 292-5441	carl.schulze@ag.state.nj.us
Rutgers NJAES Cooperative Extension DES	Tree Fruit Research Faculty	Shearer	Peter	Specialist in Tree Fruit Entomology	Rutgers Agricultural Research and Extension Center	121 Northville Road	Bridgeton	NJ	08302-5919	(856) 455-3100x4110	shearer@aesop.rutgers.edu
NJ Industry Partner	Pesticide Registrant	Silcox, Ph.D.	Charles	Technical Manager - Turf & Ornamentals	DuPont Crop Protection; Global Product Development; Professional Products	P.O. Box 80705; Chestnut Run Plaza; Laurel Run, Room 1N36	Wilmington	DE	19880-0705	302-999-5953	charles.a.silcox@usa.dupont.com
NEIPMC	Northeastern IPM	Thomas	Elizabeth	Northeastern Pest Management Center Information Specialist	NYSAES		Geneva	NY	14456	315-787-2626	egt3@cornell.edu
Rutgers NJAES Cooperative Extension	Tree Fruit Working Group Chair - NJ County Outreach	Tietjen	William	County Agricultural Agent	Rutgers NJAES Cooperative Extension of Warren County	165 County Road, 519 S.	Belvidere	NJ	07823-1949	(908) 475-6505	tietjen@aesop.rutgers.edu
Rutgers NJAES Cooperative Extension	Vegetable Working Group Chair - NJ County Outreach	VanVranken	Richard	County Agricultural Agent	Rutgers NJAES Cooperative Extension of Atlantic County	6260 Old Harding Highway	Mays Landing	NJ	08830-1533	(609) 625-0056	VanVranken@aesop.rutgers.edu
Rutgers NJAES Cooperative Extension DES	Forestry Extension Specialist	Vodak	Mark	Specialist in Forestry	Rutgers NJAES Cooperative Extension	80 Nichol Ave.	New Brunswick	NJ	08901-8524	(732) 932-8993	vodak@aesop.rutgers.edu
NJ industry partner	Regional Organic farming association	Vacant		Executive Director	Northeast Organic Farming Association of New Jersey	60 South Main St.; PO Box 886	Pennington	NJ	08534	(609) 737-6848	







**New Jersey
Information Network for
Pesticides & Alternative Strategies
Advisory Committee Meeting
Monday October 16, 2006**

Agenda

10:00 AM Welcome and Introductions

Items to Discuss

- 1. NE IPMC/Mid-Atlantic Partners/NJ SNP (Hamilton)**
- 2. State Network Project (Hastings)**
 -  **Listservs**
 -  **Website**
- 3. Surveys/Crop Profiles/ Pest Management Strategic Plans:
completed/ in progress/ 2007 candidates? (Hamilton)**
- 4. Change in stakeholder representation? (Hastings)**
- 5. EPA Update (Moore)**
- 6. Other**
 -  **BMS Research (Hamilton)**
 -  **Pepper Flower Research (Hamilton)**

12:00 PM Adjourn

**New Jersey Information Network for Pesticides & Alternative Strategies (NJinPAS)
Advisory Committee Meeting
October 16, 2006**

Attendees:

Len Douglen, New Jersey Pest Management Association
Jerry Frecon, Rutgers Cooperative Extension (RCE) of Gloucester County
George Hamilton, RCE Pest Management Office
Patricia Hastings, RCE Pest Management Office
James Johnson, RCE of Cumberland County
Carrie Kolpinka-Loehr, Northeastern Integrated Pest Management Center (*by telecon*)
Dan Kluchinski, RCE Agriculture & Resource Management Agents
Audrey Moore, US Environmental Protection Agency Region 2
Jane Nogaki, NJ Environmental Federation
Dean Polk, Rutgers Fruit Research & Extension Center
Nancy Sadlon, Alliance for Environmental Concerns
William Tietjen, RCE of Warren County

The meeting was begun at approximately 9:15 am. Following a brief introduction, Project Director George Hamilton outlined what would be discussed: 1) progress for 2006 since the last meeting in December 2005; and 2) recommendations for 2007 NJinPAS priorities. George introduced NEIPM Center Co-Director Carrie Koplinka-Loehr; she outlined the mission of the Center. **Handout:** *NJinPAS Advisory Committee Meeting Agenda.*

Membership: George brought up that there were several members of the Advisory Committee that are no longer able to participate. This includes:

- RCE Specialist in Wildlife Management David Drake
- RCE Specialist in Weed Science Steve Hart
- Richard Caton of the New Jersey Turfgrass Association (NJTA)
- Charles Silcox of DuPont Crop Protection
- Phil Traino of the New Jersey Vegetable Growers Association
- Commodities: Dan Shiffhauer of Ocean Spray Cranberries

The Advisory Committee made suggestions for candidates/stakeholder representation:

- Structural Entomologist (Len Douglen provided that funding had been put aside by NJMCA to assist in the hiring of a Extension Specialist in this area, but that no action has been taken by the University).
- Mark Robson (suggested by Peter Shearer)
- New Jersey Horticultural Society: John Hauser; John Banscher
- IR-4/minor crops: Edith Lurvey
- Turf: Michelle Rickard of the NJTA (Nancy Sadlon gave Pat contact information)
- Right-of-Way: Rick Johnstone
- Livestock/animal
- More grower/commodity nominations (Dean Polk to invite blueberry grower)
- Representative of the NJ Agricultural Experiment Station State Board of Managers
- Jane Nogaki will look into representation for schools for IPM (such as School Boards, the Association of Designated Persons, the Buildings and Grounds Association, etc.)
- Carrie will provide contacts from NEIPMC database

George stated that if the Committee became too large it would be difficult to accomplish anything during meetings.

Pat then reported to the committee the membership of the Mid-Atlantic Information Network for Pesticides & Alternative Strategies group (MAINPAS). Carrie Koplinka-Loehr (Co-Director) was introduced. **Handouts:** *Current NJinPAS Advisory Committee Address List and MAINPAS Address List.*

State Network Project Update:

Website: Pat reported current PMO NJinPAS website statistics. **Handout:** *NJinPAS Website Home Page (Index).*

- More than 70 project web pages (*with 18 low impact pesticide pages added to the School IPM web pages in the last year*).
- More than one-half million hits to the site in 2006;
- More than 850 online individual listserv postings in the Online Listserv Posting Archive since inception to date
- More than 300,000 downloads of listserv postings from the Archive in 2005

The Committee suggested the following sources for making known the availability of the Pest Management Office/ NJinPAS website:

- Members of the Advisory Committee spreading the word to their stakeholders
- Rutgers 'Plant & Pest Advisory'
- Fruit Production Manuals (and other Recommendations published by Rutgers)
- Announcements at meetings & trainings (Jim Johnson suggested external conferences)
- Public service announcements on the radio

George reported that the Field Crops IPM webpage was removed from the PMO website as its' main link, the Crop Master website, had been abandoned and the link now leads to an inappropriate website.

Listservs: Pat noted that NJinPAS now operates 12 listservs as we added a listserv for 'Invasives' per the Advisory Committee's recommendation made at last year's meeting. She reported NJinPAS listserv statistics from inception to September 30, 2006.

- More than 300 persons were enrolled in the listservs.
- More than 1,025 enrollments to individual listservs.
- Membership: Extension: agriculture and horticultural industry; State & local government; University researchers; environmental & public interest groups; and regional & national partners.
- Approximately 850 postings

Committee suggestions for consideration for new listservs:

- Right-of-Way/Vegetation Management
- Category 6/ Department of Transportation
- Railroads
- Aquatic Applicators

- Power Companies/Board of Public Utilities
- Veterinary/Livestock/Equine (Committee-suggested resources for input: Karen Malinowski, Sarah Ralston, Nancy Halpern)
- Home & Garden
- Integrated Pest Management
- Storm Drainage
- Jim Johnson suggested that the 'NJinPAS Turf, Ornamentals, Greenhouse, & Nursery' Listserv be split up into individual listservs by each of the topics.

Pat stated that creating listservs for topic areas that are not sourced externally would not be feasible as NJinPAS does not have the internal resources to support new technical areas. (Editorial note: In retrospect, it occurs that it was not clear at the time of the meeting to some members of the Advisory Committee that the NJinPAS listservs are not open to public posting, and that we source the content).

Surveys/Crop Profiles/Pest Management Strategic Plans: George reported that the 'Crop Profile for Kale in New Jersey' (Hamilton) had been published since the last meeting in December 2005. The 'Crop Profile for Cucumber for New Jersey' (Holmstrom) has been drafted as of the meeting date; it is currently in technical review. He reported that NJinPAS-funded Work Groups are in the process of finalizing new crop profiles for tomato (Kline and Walker), and pumpkins (Mahar); these authors were contacted previous to the meeting, and had provided that they would be completed shortly. George also provided that revision of a draft crop profile for blueberry now using the newer 2003 data is pending.

George reported that state-wide surveys and crop profiles for New Jersey for arugula (baby and other), basil, leaf lettuce, radishes, parsley, and leeks had been proposed to the Northeastern IPM Center for funding for the June 2006 to July 2007 no-cost extension grant period. Funding requested was reduced by 50% and George noted that he submitted an amended scope of work for this grant limited to pesticide use surveys and crop profiles for arugula (baby and other), basil, and leeks. He reported that these publications are to be completed within the no-cost extension of June 2007.

Jim Johnson stated the need for a crop profile for nursery crops. George provided that Cornell has been working on a Greenhouse and Nursery Ornamentals Crop Profile for several years. Jim strongly asserted that a crop profile is needed solely for nursery. He requested a copy of the draft Crop Profile that Cornell is working on. Carrie will look into this.

George reported that RCE Vegetable IPM Coordinator Joe Mahar completed the Carrot PMSP which was posted to the NEIPM Center and National websites.

Related to the Honey Bee PMSP slated for completion by June of 2006, George noted that Apiary Extension Specialist Mike Stanghellini and the NJDA State Apiarist co-authored the original 'Crop Profile for Honey Bees in New Jersey' published in 2004. George stated that he would take the lead on the 'Pest Management Strategic Plan for Honey Bees for New Jersey'.

George provided that New Jersey would be partnering with Delaware on a PMSP for Watermelon in 2007.

Pat reported that preparation of the PMSP for blueberries is pending completion of the blueberry crop profile.

George asked the Committee for future candidates for PMSPs for New Jersey. George candidate parsley and leeks for PMSPs for 2007 as they would be a good follow-up to crop profiles when completed (a decision has been made not to do this based on already overburdened staff commitments).

Critical and Emerging Issues (identified by the Advisory Committee):

- 1) Exotics/Invasives research (Peter Shearer)
- 2) Pest management in the urban environment
- 3) Pest management in greenhouses
- 4) Equine
- 5) Aquatic
- 6) New IPM programs in response to EPA mandates:
 - research building this into existing new chemicals/chemistries that growers don't know how to use/integrate into current/existing IPM strategies
 - outreach
- 7) Bedbugs

Carrie Koplinka-Loehr from the NEIPM Center gave a brief summary of the Northeastern Integrated Pest Management Center and its' mission. She reported that all northeast region CPs and PMSPs are posted to their site which links users to the national PMSP CP site.

She noted that the IPM Centers are working with USDA and EPA (Steve Hopkins) to streamline the process of making requests to State Network Projects regarding pest management issues important in the reregistration of pesticides. They are looking at instituting the use of template requests, such as that already implemented in Maine.

She discussed that the IPM Centers are looking at bettering coordination with the Natural Resources Conservation Service (NRCS). Carrie took questions from the Committee. Peter Shearer requested update of the pest management alternative priorities for research needs as the current priorities list is more than 2 years old. Carrie noted that Liz Thomas would be issuing an email this week.

EPA Update by Audrey Moore:

Audrey updated the Committee on current EPA-funded grants/projects:

- 1) Pesticide Environmental Stewardship Program (PESP) – Request for Proposal is not out yet; it is in review.
- 2) Strategic Agriculture Initiative Funded Projects
 - a. Press event on "Impact Assessment of Reduced Risk Pest Management Strategies for Cranberry in New Jersey" (co-principals: Rutgers and the NJDEP). She provided that the Principal Investigator on this project is Cesar Rodriguez-Saona, PhD; (Assistant Extension Specialist in Entomology).
 - b. Rutgers – Captan & fresh market blueberry.
 - c. EPA Strategic Agricultural Initiative Project Database. Audrey provided the Committee with a hardcopy of the log-in webpage www.aftresearch.org/sai/reports/ and username and password). She noted that although this database was initiated in 1999 for four of the EPA regions, it now can be used to search any of the 10 regions nationwide.
Handout: EPA Strategic Agricultural Initiative Project Database.
- 3) Regional Pollution Prevention Program Grant—Cornell is continuing its ag film recycling program.
- 4) Children's Health Initiative: Audrey reported that the NJDEP has continued to conduct marketplace and School IPM compliance inspections. They have issued stop sale orders for mothballs as well as antimicrobials being sold out of compliance with the Federal Insecticide, Fungicide, and Rodenticide Act. Related to compliance inspections of schools under the NJ School IPM Act and corresponding regulations; all 24 public schools inspected were in compliance; however, two of the 3 'charter' schools inspected were not in compliance.
- 5) Audrey reported that EPA's 'Worker Protection Standard Compliance Manual' had a mistake in it which required revision of the document for 2006; EPA is looking to release a CD-ROM of the revised document by December of 2006.
- 6) She provided handouts of the 2005 Revision of the 'Quick Reference Guide to the Worker Protection Standard Including All Revisions through 2004'. *Handout: 'Quick Reference Guide to the Worker Protection Standard Including All Revisions through 2004'*
- 7) Audrey had a spare supply of plastic 'Do Not Enter' signs, and offered them to the group.
- 8) She made available handouts of the Northeastern IPM Center tri-fold brochure 'Guess What's At the Center'. Carrie offered to ship brochures in for any New Jersey stakeholders (Note to Carrie-- Dan Kluchinski and Peter Shearer requested 50 brochures each).

George adjourned the meeting at 12:00 pm.

Handouts Distributed During Meeting:

- 1) **Handout 1:** *2006 NJinPAS Advisory Committee Annual Meeting Agenda*
- 2) **Handout 2:** *2006 Mid-Atlantic Information Network for Pesticides & Alternative Strategies (MAINPAS) Membership List*
- 3) **Handout 3:** *2006 NJinPAS Advisory Committee Membership List*
- 4) **Handout 4:** *Pest Management Office NJinPAS Website Home Page (Index)*
- 5) **Handout 5:** *NJinPAS Listservs- Inception (10/31/01) to September 30, 2006*
- 6) **Handout 6a:** *New Jersey Crop Profiles and PMSPs*
- 7) **Handout 6b:** *NE IPM Center Crop Profiles and PMSPs*
- 8) **Handout 7 (EPA):** *EPA Strategic Agricultural Initiative Project Database*
- 9) **Handout 8 (EPA):** *'Quick Reference Guide to the Worker Protection Standard Including All Revisions through 2004'*

New Jersey State Network Project Partners - 2007

Appendix 4

Internal Sort	Area of Concern	Last Name	First Name	Title	Organization Name	Address	City	State	Postal Code	Work Phone	Email Address
Mid-Atlantic partner	Delaware	King	Susan	Director, Pesticide Management Education Program	University of Delaware	254 Townsend Hall	Newark	DE	19717-1303	(302) 831-8886	swhitney@udel.edu
Mid-Atlantic partner	Maryland	Brown	Amy	Coordinator, Maryland Pesticide Education and Assessment Program	University of MD at College Park; Plant Sciences Building	Plant Sciences Building	College Park	MD	20742-	(301) 405-3928	amybrown@umd.edu
<i>Mid-Atlantic partner</i>	<i>New York</i>	<i>Reissig</i>	<i>Harvey</i>	<i>Director of Pesticide Management Education Program</i>	<i>Cornell University; Pesticide Management Education Program; Dept. Of Entomology</i>	<i>5123 Comstock Hall</i>	<i>Ithaca</i>	<i>NY</i>	<i>14853-0901</i>	<i>(607) 255-1866; (315) 787-2336</i>	<i>whr1@cornell.edu</i>
Mid-Atlantic partner	West Virginia	Baniecki	John	Coordinator, Pesticide Education and Assessment Program	West Virginia University; Plant Pathology and Entomology	414 Brooks Hall	Morgantown	WV	26506-6057	(304) 293-6023 x38835	jbanieck@wvu.edu
NEIPMC co-lead	Northeast	Ayers	John	Co-Director, Northeastern Pest Management Center	The Pennsylvania State University; Dept. of Plant Pathology	308 Buckhout Lab	University Park	PA	16802	814-865-7776	jea@psu.edu
<i>NEIPMC co-lead</i>	<i>Northeast</i>	<i>Koplinka-Loehr</i>	<i>Carrie</i>	<i>Co-director, Northeastern IPM Center</i>	<i>Cornell University</i>	<i>The Insectary</i>	<i>Ithaca</i>	<i>NY</i>	<i>14853</i>	<i>(607) 255-8879</i>	<i>cck3@cornell.edu</i>
<i>NEIPMC</i>	<i>Northeast</i>	<i>Myers</i>	<i>Liz</i>	<i>Staff Writer, Northeastern IPM Center</i>	<i>Cornell University</i>	<i>216 Roycroft Road</i>	<i>DeWitt</i>	<i>NY</i>	<i>13214</i>	<i>(315) 251-0713</i>	<i>ebm24@cornell.edu</i>
<i>NEIPMC</i>	<i>Northeast</i>	<i>Thomas</i>	<i>Liz</i>	<i>Project Coordinator, Northeastern IPM Center</i>	<i>Cornell University</i>	<i>The Insectary</i>	<i>Ithaca</i>	<i>NY</i>	<i>14853</i>	<i>(607) 254-1535; (607) 387-8170</i>	<i>egt3@cornell.edu</i>
Rutgers NJAES Cooperative Extension	New Jersey	Malinowski	Karyn	Dean of Outreach and Extension Programs and Senior Associate Director of NJAES	Rutgers NJAES Cooperative Extension	Martin Hall, Room 309; 88 Lipman Drive	New Brunswick	NJ	08901	(732) 932-5000 x581	malinowski@aesop.rutgers.edu
Rutgers NJAES Cooperative Extension	New Jersey	Hamilton	George	NJ SNP Director	Rutgers NJAES Cooperative Extension Pest Management Office	93 Lipman Drive	New Brunswick	NJ	08901-8524	(732) 932-9801	hamilton@aesop.rutgers.edu
Rutgers NJAES Cooperative Extension	New Jersey	Hastings	Patricia	NJ SNP Coordinator	Rutgers NJAES Cooperative Extension Pest Management Office	93 Lipman Drive	New Brunswick	NJ	08901-8524	(732) 932-4271	hastings@aesop.rutgers.edu

Emma Lausten Horticultural Symposium February 23, 2007	Conferences
GAO Releases Report on USDA NRCS Key Conservation Programs: EQIP and CSP	GAO Reports
Registration for Online Training in Basic Organic Land Care	Training
2007 Plastic Pesticide Container Recycling Schedule	NJ Pesticide Applicators
Amending Domestic Quarantine of <i>P. ramorum</i> : Interim Final Rule	Invasives
'2007 Basic Pesticide Training Courses' Printable Flyer	NJ Pesticide Applicators
Pesticide Applicator Storage Inventory and Cover Letter Submittal Due May 1st to Fire Department	NJ Pesticide Applicators
NEW: EPA Residential Outdoor Mosquito Misting Systems Fact Sheet	Mosquito
2007 New Jersey Pesticide Applicator Certification Exam Schedule	NJ Pesticide Applicators
On Target - IPM News - April 2007	NEIPMC
Worker Protection Violations at Nursery Settled	Worker Protection Standard
Crop Profile for Kale in New Jersey	Crop Profiles
2008 USDA NRCS Farm Bill EQIP, WHIP, & WRP Program Funding Applications Due June 1st!	Funding
NRDC Assessment of NRCS IPM Programs	NRCS
First report of Sweet potato chlorotic stunt virus in North Carolina, United States	Alerts
Section 18 for Thiophanate-Methyl on Tomatoes	NJ Section 18s
Section 18 for Coumaphos for Beehives	NJ Section 18s

Reduced Risk Status Granted to New Active Ingredient Chlorantraniliprole	Reduced Risk
6th International IPM Symposium- March 2009	Conferences
GREEN-BLUE SUMMIT: CLEAN WATER THROUGH RESIDENTIAL IPM- July 2007	Conferences
NJDA's 4 Ag Plastics Recycling Programs-- 11th Year	NJDA
ALB- infested trees found on uninhabited island off Staten Island	Invasives
Spring 2007- USDA to treat 98,000 NY & NJ trees against ALB	Invasives
2007 USDA Report on Grant & Partnership Opportunities for Invasives	Funding
GAO Report on Crop Insurance Released	Other
On Target - IPM News - May 2007	NEIPMC
ASIAN LONGHORNED BEETLE UPDATE May 11, 2007	Invasives
NJ 17th State to Gain USDA Accreditation for Organic Certification	Organic
Asian Longhorned Beetle Update for May 18, 2007	Invasives
EPA-funded Biopesticide/Organic Database Launched by IR-4	IR-4
Pumpkin Crop Profile for New Jersey Approved for Release by USDA	Crop Profiles
Fw: On Target - IPM News - June 2007	NEIPMC
THURSDAY the 19th Webcast on research update on nursery, shade tree and orchard	Conferences
EPA Approval of New DuPont Avaunt Label for 84 Additional Crops	Pesticide New Uses

NEW JERSEY GEARS UP TO SLOW THE SPREAD OF GYPSY MOTH	Alerts
Request for Applications: Green-Blue Grants Program	Funding
Drift Reduction Technology Pilot	Funding
Pesticide applicator simulator training	Pesticide applicator training
Request for Applications: Green-Blue Grants Program	Funding
Rutgers 'NJ Landscape Project' Training August 23rd	Training
On Target IPM News - July / August 2007	NEIPMC
USDA Awards \$6 Million to Advance Tree Genomics and Breeding	USDA
New IPM Projects Funded in the Northeast (revised)	NEIPMC
2007 Deer Fencing Cost-Share Program Applications Due 10/8/07	Funding
NJ Agritourism Economic Impacts Study Release at Press Conference	NJDA
On Target IPM News - September 2007	NEIPMC
Update on NJ Epizootic Hemorrhagic Disease Outbreak	Other
On Target IPM News -October 2007	NEIPMC
First 2007 Case Of West Nile Virus in Horses Reported	Alerts
New Jersey Green Industry Council 2007 Annual Meeting Registration	Conferences
On Target IPM News - November 2007	NEIPMC

Northeast Vegetable & Strawberry IPM Educator Exchange! Funding for Conferences!

Funding

Can You Dig It?: Landscaping, Greenhouse, & Nursery Safety & Health Guide for Young Workers

Publications

Predicting West Nile Virus Epidemics in Florida" Rutgers Entomology Dept Seminar
November 30

Mosquito



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NEW JERSEY STATE NETWORK PROJECT

- the New Jersey component of the [Northeastern IPM Center](#) (external link)*

[RCE- NJ SNP Home Page](#)

[NJ SNP Advisory Committee](#)

- [2001 Annual Progress Report](#)
- [2002 Annual Meeting Minutes](#)
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- **New!** [2006 Annual Meeting Minutes](#)
- **New!** [2006 Annual Progress Report](#)

[NJ SNP Listserv Enrollment](#)

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[New Jersey Crop Profiles](#)

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- [field corn](#)
- [honey bees](#)
- **New!** [kale](#)
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- [peaches 2002 data](#)
- **New!** [pumpkin](#)
- [spinach 1997 data](#)
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- [PMSP for Peaches for NJ](#)
- [PMSP for Lima Bean for DE, NJ, MD Eastern Shore](#) (*external link*)*
- [PMSP for Apples in the Mid-Atlantic](#) (*external link*)*
- [PMSP for Spinach for DE, NJ, MD Eastern Shore](#)
- **New!** [PMSP for Carrot for New Jersey](#)

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- [NJ Section 24C Exemptions](#)
- [DE Section 18 Exemptions](#) (*external link*)
- [MD Section 18 Exemptions](#) (*external link*)
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INTEGRATED PEST MANAGEMENT PROGRAMS

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School Integrated Pest Management (IPM)

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[**School IPM Contacts**](#)[**School IPM Training**](#)

Vegetable IPM Program

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- [2003-2004 Report](#)
- [2002 Annual Report](#)
- [2001 Annual Report](#)
- [2000 Annual Report](#)
- [1999 Annual Report](#)

[**IPM Publications**](#)[**Presentations**](#)

- [2000 Vegetable IPM Program](#)
- [2002 Vegetable IPM Advisory Committee](#)
- [Pumpkin IPM Demonstration Poster, American Federation of Farm Bureau, 2002](#)
- [Pumpkin IPM Demonstration Results, 2001](#)

[**Vegetable Crop Guidelines**](#)

- [New Jersey Snap Bean IPM Guidelines](#)
- [New Jersey Beet IPM Guidelines](#)
- [New Jersey Cabbage IPM Guidelines](#)
- [New Jersey Carrot IPM Guidelines](#)
- [New Jersey Cauliflower IPM Guidelines](#)
- [New Jersey Melon IPM Guidelines](#)
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- [Map of all participating IPM growers](#)
- [Integrated Pest Management Database](#)
 1. IPMD [grower maps](#): [peaches](#), [blueberry](#), & [apple](#)
 2. [IPMD 2000 color-coded schematic](#)

* For further information about the NJ SNP project, contact Pat Hastings hastings@aesop.rutgers.edu or NJ SNP Project Director Dr. George Hamilton hamilton@aesop.rutgers.edu. Both may be reached by phone at 732-932-9801.



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