

Community IPM Outreach Efforts for 2015

Project Leader(s):

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Abstract:

The core mission of the Community IPM Program is to provide New Yorkers with safe and effective solutions to manage pests where people live, work, learn and play. Because the field of Community IPM is vast, including all aspects of life that are not associated with growing food or horticultural goods, the practices promoted by this program apply to all New Yorkers, and help to reduce health and environmental risks associated with pest management practices. In 2015, Community IPM staff engaged diverse audiences in New York and other states in two important and effective ways.

The Community IPM Program provided almost 5,500 contact hours of in-person presentations, workshops and seminars. These face-to-face meetings offer participants the opportunity to ask questions of experts in a comfortable environment, obtain contact information, and learn about resources available from the NYS IPM. Program staff provided site visits to address specific pest problems and appeared in public media, including local and national television broadcasts.

To complement the appearance of IPM staff at events, meetings and on television, social media and other internet-based resources were emphasized in 2015. In this age of technology, countless sources of information related to pest biology and management are available. However, many non-university resources are inaccurate and may provide recommendations that are illegal or unsafe. Therefore, IPM staff generated new fact sheets, a YouTube video, blogs, Facebook posts, Tweets (Twitter), and webinars. IPM staff also contributed to trade magazines and peer reviewed publications. Because this content is available in several formats, this increases the reach of the Community IPM program and the possible adoption of IPM strategies.

Background and Justification:

Among New Yorkers, familiarity with the term “integrated pest management” is somewhat low. However, when the tenets of IPM are explained, a majority of people feel that an integrated approach is most desirable because it reduces the risks presented by household and public health pests, and the methods used to control them. Therefore it is essential to the mission of the NYS IPM program that community outreach efforts generate an increase in awareness of IPM, ideally leading to increased adoption of IPM strategies. This is accomplished by changing

decision-making behaviors of people seeking to control pests, which occurs over time with persistent effort.

Educational programs that result in an improved ability to identify pests can reduce the reliance on pesticides for management. This is because accurate identification provides information about an organism's food preferences, life cycle, and preferred harborage sites. While Master Gardener Volunteers can use this information to provide management recommendations for homeowners, pest professionals can hone in on infestation sites and employ sanitation and exclusion techniques to directly reduce pest populations. Thus, a major emphasis of education by IPM staff is to enhance the ability of New Yorkers to accurately identify pests.

In order to reach diverse audiences in New York State, including those in various age groups, program staff promoted the IPM Image Gallery on Flickr, the NYS IPM Facebook page, YouTube Channel and Twitter account, and the NYS IPM and School IPM Blogs. The use of multiple outlets for disseminating information is based on the premise that different generations obtain information in various ways. Whereas older generations prefer hard-copy materials, such as fact sheets, younger generations gather most of their information in short posts and through social media. By adjusting our messages to appear in different formats, we are able to reach diverse audiences and enhance adoption of IPM principles.

Objectives:

- To increase the awareness of New Yorkers about integrated pest management and the best ways to reduce their risk from household and public health pests, including the pesticides used to manage them.
- To create educational materials for community IPM awareness that are easily accessible to New Yorkers and beyond.
- To promote sustainable landscapes as a method of implementing IPM to manage both indoor and outdoor pests.

Activities:

I. Traditional Outreach

Collaboration and Information Sharing

Each year, the Community IPM Coordinating Council meets to provide updates on funding, projects and other endeavors of participating individuals and organizations. In 2015, the Council invited stakeholders to speak at meetings on topics relative to IPM:

- Thomas Allgaier, USDA, APHIS, PPQ spoke on invasive species efforts in New York including description of the Plant Protection and Quarantine Program and priorities, including Asian longhorned beetle and the recently discovered spotted lanternfly.
- Emma Mullen, Extension Associate with the Cornell University Dept. of Entomology, discussed the new Honey Bee Extension Program.
- Matthew Frye, NYS IPM, representing the Task Force on Lyme Disease and Tick-Borne Illness, provided an update on the Task Force's efforts.
- In addition, NYS IPM staff provided more detailed information on some of their projects including:

- Matt Frye talked about his research in NYC looking at rats in the city and the various parasites and pathogens that can be found on and within them.
- Joellen Lampman spoke about the state of IPM within the child care industry based on a survey sent to providers in NYS.

CIPM Grants Program Coordination

The 2015 CIPM Grants program attracted nine proposals. The Community IPM Coordinating Council reviewed these proposals and ranked them in order of priority and likelihood of success for funding. Five projects were funded. A separate report for each funded project is available from the NYS IPM Program. Funded projects included:

- Reducing Impacts from Ticks in Home and Recreational Landscapes
- Detering Canada Geese from School Playing Fields
- The Effects of Mulching Leaves in Place on Tick Populations in Lawns and Parks
- Adding Compost as a Successful Strategy in CCE Master Gardener Volunteer's IPM Toolbox
- Native pollinator conservation: A sustainable-campus initiative supporting research and education on the role of native plant propagation in promoting pollinator conservation.

IPM Staff Contributions to Media Outreach

- Joellen Lampman discusses the pollinator conference held at CCE Albany on NBC Local News: <http://wnyt.com/article/stories/S3919781.shtml?cat=300>
- Matt Frye discusses research on rodent pathogens and ectoparasites with Pest Control Technology (PCT) Magazine: www.pctonline.com/article/Frye-rodent-flea-pathogen-plague-study
- Matt Frye in "Exploring New York's Rattiest Park with a Rodentologist" by Motherboard (Vice Media): <http://youtu.be/Z8U82ADBWAo>
- Matt Frye discusses tick concerns with Assemblywoman Sandy Galef in her local broadcast program "Speak Out": <http://assembly.state.ny.us/mem/Sandy-Galef/story/66561/>
- Lynn Braband was interviewed on IPM in the home, broadcast on Time-Warner Cable News Channels on January 26.
- Lynn Braband was interviewed on the radio concerning IPM in the home, St. Regis Mohawk Tribe public radio, April 16.

II. Internet-Based Outreach

Social Media, Blogs and YouTube

Images, news stories and announcements are posted daily to the NYS IPM Facebook page by IPM staff. In 2015, the page jumped from 243 followers to 519, with hundreds of people talking about the over 600 posts, and a total reach of thousands of people. The average weekly page reach was 625.8 individuals, with a maximum of 3997 and a minimum of 16. The page engages approximately 56 people each week, with approximately 31 page views per week. In 2015, Twitter gained 82 followers and generated almost 39,999 impressions (interactions) from 439 posts. These numbers illustrate a continued need to improve online reach and presence in the

minds of New Yorkers. Social Media provides a platform to accomplish outreach to otherwise unknown and under-reached audiences.

The NYS IPM and School IPM Blogs were created to offer useful information in a narrative format. The NYS IPM blog, *ThinkIPM*, covers all IPM commodities (fruit, vegetable, livestock, greenhouse, community, etc.) and is distributed to 59 subscribers. In 2015 there were almost 12,000 unique visitors and over 17,000 pageviews. Community-related posts have addressed the biology, management and regulations regarding wildlife, rodents, stinging insects, bed bugs, occasional invaders, grubs, turf management, mosquitoes, and the Child Safe Playing Fields Act. To date, the *ABCs of School and Childcare Pest Management* blog is distributed to 29 subscribers and posts have been promoted on the NYS IPM Facebook page and Twitter feed leading to over 1,175 unique visitors and over 3,000 pageviews. Our goal in 2016 is to increase subscribers to both NYS IPM blogs.

A Stinging Insect IPM video has been uploaded to the NYS IPM YouTube Channel to provide information about stinging insects in the Northeastern US and integrated pest management strategies to reduce the incidence of stings. This information is especially useful for homeowners and buildings and grounds professionals working in schools. Videos from Protecting Pollinators: The New York Pollinator Conference, a joint project of Ornamentals and Community IPM, have also been uploaded.

Image Gallery on Flickr

The IPM Image Gallery continues to grow, with over 1,900 photos categorized into 50 albums. A name and brief description is given to each image and key words are added to help users find the images on common search engines such as Google. In many cases, links to resources from the NYS IPM website are present in the image's description.

Many of the most popular community IPM images highlight bed bugs, stinging insects, and NYS IPM events. Flickr views are being monitored to help determine public interest for information on a variety of subjects and will help to inform a list of resources needed to be developed.

IPM Fact Sheets

NYS IPM received several fact sheets from entomologist Dr. Gary Alpert of Harvard University (previously published on the Harvard University Environmental Health and Safety website). They were removed from the Harvard website due to an administrative decision and offered to the NYS IPM Program for re-publishing. To date, nineteen have been reviewed, updated, and posted to the Buildings and Schools Fact Sheets website. 2015 finished the project with the following pests: [Clover Mites — Tiny Dots on the Move](#); [Earwigs: No Big Deal](#); [Flightless Leaping Ectoparasitic Arthropods = FLEAs](#); [Get Rid of Carpenter Bees? Yes, Please!](#); [Lots of Little Beetles Could Mean a Big Mold Problem!](#); [The German Cockroach: America's #1 Cockroach Pest](#). These fact sheets have been cross-referenced in the IPM Image Gallery, and were also promoted on the IPM Facebook page.

Additional fact sheets developed and posted to the Buildings and Schools Fact Sheets website include: [Child Safe Playing Fields Act – Frequently Asked Questions](#), [Dealing with Wildlife and the New York Laws That Protect Them](#), and [Head Lice – Frequently Asked Questions](#).

IPM Staff Contributions to Trade and Professional Publications

- Associate Editor for Special Issue of *Human-Wildlife Interactions* 9(2), Fall 2015 on increasing connections between IPM and wildlife damage management, including:
- Braband, L. Parallel Universes? Increasing connections between IPM and wildlife damage management. *Human-Wildlife Interactions* 9(2):154-155.
- Braband, L. 2015. Are current integrated pest management and wildlife damage management connections sufficient? A panel discussion. *Interactions; Newsletter of the Wildlife Society Wildlife Damage Management Working Group* 21(4): 4-5.
- Gangloff-Kaufmann, J.L. The Management of Insects in Recreation and Tourism” Book Review. *The Quarterly Review of Biology* Vol. 90 (2). June 2015, Pp 212-213.
- Frye, M.J. & J. Gangloff-Kaufmann. July 2015. “Tick Season Is Upon Us.” New York State Pest Management Association Newsletter.
- Frye, M.J. August 2015. On the Trail of Troublesome Rodents. PCT Magazine, GIE Media, Inc., Richfield OH. pp. 48,50,52-3.
- Frye, M.J., C.A. Firth, M.J. Bhat, M.A. Firth, X. Che, D. Lee, S.H. Williams & W.I. Lipkin. 2014. Preliminary survey of ectoparasites and associated pathogens from Norway rats in New York City. *Journal of Medical Entomology* 52(2): 253-259.

All staff responded to e-mails, phone calls, walk-ins, eXtension, Facebook, etc. on a variety of topics related to pest management in private homes, office buildings, schools, childcare facilities, sleep-away camps, nursing homes, public housing, private lawns, and sports fields.

Results and discussion:

Although much of the work done by NYS IPM educators is area-specific (school IPM, turfgrass management, bed bug outreach) some does not fall into such a category, and yet it represents a significant need in New York. The variety of pests encountered in homes and landscapes is large and the means of controlling such pests are varied from doing nothing to using pesticides that may pose risks to human health. The need for IPM awareness and adoption is as strong as ever.

In 2015, the NYS IPM Program’s Facebook page gained 276 new “likes,” and presently has 519 followers. Individuals that “like” the IPM Program’s Facebook page receive images, news articles and other posts from NYS IPM on their wall. Analytics on the page determined that an average of 56 people were engaged with our content each week in 2015, while our message reached an average of 625.8 people per week. In 2016 we will continue to utilize Facebook as a social media tool.

The NYS IPM Program’s Flickr page currently has over 1900 unique images in 50 albums. Images are posted to the program’s Facebook page, have been used in professional presentations and are linked to IPM resources. One expected outcome of the image gallery is that individuals

using Google Image search will encounter our photographs when looking up a pest and will subsequently have access to accurate information, including identification and treatment methods. We continue to tag images with key words and cross-reference them with pertinent pest management information on the IPM website as it becomes available.

NYS IPM staff members helped train professional pest managers in structural, wildlife and landscape management. Over the past decade a shift toward the adoption of IPM has been apparent in the professional pest management industry. From the promotion of key IPM tenets, such as pest prevention, to support of the adoption of IPM in schools, the National Pest Management Association has embraced IPM and the extension programs supported by IPM funds. In 2015, Community IPM staff offered 118 presentations in 23 New York counties, four additional US States and the Virgin Islands, resulting in almost 5,500 contact hours of training. Topics included: IPM in schools, childcare centers, buildings, turf (golf, sports field, grounds), and farmworker housing. Programs were developed to help individuals and organizations better manage geese, bed bugs, stinging insects, ticks, rodents, public health pests, and pests of compost piles. Presentations also covered pollinators, wildlife damage, overseeding research, and pesticide safety.

Presentations (including school, tick, and wildlife IPM presentations that are also listed in other reports). Contact hours are a measure of the number of participants and the duration of time spent (ex. for 10 participants in a 1 hour session, the contact hours would be 10 * 1 = 10 hours).

Date	Location	Conference/Meeting Name	Presentation Title	Contact Hours
1/8/2015	Rochester, NY	Coalition meeting	2013 Statewide Survey of Public Schools Pest Management Policies & Practices	5
1/13/2015	West Lafayette, IN	Purdue Pest Management Conference	Life After Rodenticides	250
1/14/2015	Orangeburg, NY	Monthly meeting	"Bed Bugs: What You Need to Know"	80
1/20/2015	Buffalo, NY	New York Pest Management Association Buffalo Conference	IPM Short Course	750
1/21/2015	Syracuse, NY	Empire State Producers Expo	IPM Challenges and Solutions in Migrant Worker Housing	12
1/29/2015	Smithtown, NY	Professional Certified Applicators of Long Island Annual Meeting	Pathogens of Norway Rats in NYC	23
1/29/2015	Providence, RI	New England Regional Turfgrass Conference	Alternative Weed Management for Nurseries and Landscapes	40
1/29/2015	Hauppauge, NY	PCALI Winter Workshop	Know Your Ticks	55
1/31/2015	Piscataway, NJ	Associate Certified Entomologist Preparation Course	Basic Entomology & Ant Identification	40
2/3/2015	Rochester, NY	Food Processing Sanitation & Pest Management Workshop	Bird Management for Food Facilities	115
2/6/2015	Elmsford, NY	Elmsford Training	Out of the Ordinary Pests	75
2/7/2015	Piscataway, NJ	Associate Certified Entomologist Preparation Course	Principles of IPM and Biting and Stinging Insects	40
2/10/2015	Middletown, NY	Annual Bed Bug Training	Commercial Response to Bed Bugs	46

2/10/2015	Newburgh, NY	Annual Bed Bug Training	Fight the Bite! Bed Bug Self-Protection	9
2/10/2015	Batavia, NY	Turf & Pest Management Class	Introduction to Integrated Pest Management	0
2/19/2015	Webinar	Sustainable Landscapes – Horticulture Program Work Team WebEx Monthly Conversation	IPM for Ticks	154
2/20/2015	Rochester, NY	Geese on School Grounds WS	Intro, Turf Management & Geese	9
2/24/2015	Uniondale, NY	Nassau Suffolk Landscape Gardeners Association Meeting	Ornamental and Nuisance Pests In and Around the Home	25
2/24/2015	National webinar	Bird control at schools webinar	Goose problems at schools	120
2/26/2015	Rochester, NY	Master Gardeners training	Structural Pest Control	90
3/1/2015	Salt Lake City, UT	8 th International IPM Symposium	A New Approach to Bed Bug Outreach	13.2
3/3/2015	Stony Point, NY	NYSIPM Inspection Demo	“Buildings and Grounds Inspection”	30
3/7/2015	Oriskany, NY	Early Childhood Educators Spring Conference	I Found Bugs! What Do I Do	50
3/9/2015	Malta, NY	Training	IPM in the Child Care Setting	20
3/10/2015	Canandaigua, NY	Wildlife Management Class	Wildlife Damage Management	15
3/12/2015	East Syracuse, NY	Statewide IPM Growers Advisory Council Annual Meeting	Pest Management Challenges and Solutions in Farmworker Housing	25
3/13/2015	Norwich, NY	Goose damage control seminar	Intro, Turf Management & Geese	9
3/14/2015	Saratoga Springs, NY	NYSUT Annual Conference	“Controlling Critters in the Workplace”	33
3/19/2015	Latham, NY	Capital District Pesticide Applicator’s Recertification Day	Structural Pest Management Session	90
3/19/2015	Latham, NY	Capital District Pesticide Recertification Day	Pest Protection Posse: Who’s helping you control pests in your landscape and nursery and how to help them, Landscape Nursery and Turfgrass IPM	150
3/19/2015	Saratoga Springs, NY	NYSAAA Annual Athletic Director’s Conference	Working Together to Create and Manage Safe Sports Fields	20
3/24/2015	Salt Lake City, Utah	International IPM Symposium session	Parallel Universes? Increasing Connections between IPM & Wildlife Damage Management	10
3/25/2015	Salt Lake City, UT	8th International IPM Symposium	Beyond the Links: Using Golf Courses for Education and Outreach	20
3/26/2015	Salt Lake City, Utah	International IPM Symposium session	Expanding School IPM Implementation within the NE US: a BMP Approach	10
3/28/2015	East Syracuse, NY	NYSWMA seminar	History of the NYSWMA	17.5
4/7/2015	Pearl River, NY	Nyack Hospital In-Service Training	Fight the Bite! Bed Bug Self-Protection	20
4/7/2015	South Glens Falls, NY	CASDA O&M Conference	USDA Overseeding Project	1.5
4/8/2015	Roosevelt, NY	Staff workshop	“Bed Bugs- What You Need to know”	28.5
4/10/2015	Beacon, NY	Invasive Species Train the Trainer	Alternatives to Banned or Regulated Invasive Plants	45
4/15/2015	Newark, DE	Insect Pest Management Class	Urban Integrated Pest Management	25
4/16/2015	Troy, NY	School Building & Grounds meeting	USDA Overseeding Project	4.95

4/21/2015	Canandaigua, NY	IPM for School Grounds	Developing School IPM Policies, Managing Stinging Insects & Geese Pathogens and Ectoparasites of	22.5
4/23/2015	East Greenbush, NY	Community IPM Coordinating Council Meeting	Norway Rats in NYC, Child Care and Pest Management Survey	25
4/25/2015	Hogansburg, NY	Earth Day fair	Dealing Safely with Pests In and Around Your Home	12
4/29/2015	Howard Beach, NY	Spring Fling	Rodent Management	262.5
4/30/2015	Yonkers, NY	Technician Training	Out of the Ordinary Pests and Bed Bug Management	20
5/5/2015	Verona, NY	Empire State Assoc. of Assisted Living, Annual Conference	"Bed Bugs Be Gone!"	71.25
5/6/2015	Saratoga Springs, NY	CASDA monthly meeting	USDA Overseeding Project & NYSIPM	6.6
5/11/2015	Farmingdale, NY	Nassau County Bed Bug Task Force Workshop	Bed Bug Task Force Workshop	105
5/12/2015	Ithaca, NY	SBGA chapter meeting	School IPM	14
5/12/2015	Southampton, NY	Indian Nation Leaders Meeting	"Community and Public Health Pests and IPM"	11.25
5/14/2015	Auburn, NY	Pest Management for Today's Schools	Tenets of School IPM, Structural IM, Turf & Grounds IPM, Walk-Through Exercise	80.75
5/19/2015	National webinar	Avoiding Stinging Insects in School Environments	Managing Stinging Insects on School Grounds; NYS Case Studies	87.5
5/30/2015	Albany, NY	Farm Day in the City	IPM table	25.6
6/4/2015	Buffalo, NY	NY ReLeaf Tree Disease and Insect Workshop	Insects and Disease ID Workshop	55
6/15/2015	Fishkill, NY	Staff Training	Bed Bug Seminar	64
6/15/2015	Fishkill, NY	Staff Orientation Meeting	"The 20 Things to Know about Bed Bugs"	17.5
6/19/2015	Syracuse, NY	Chapter meeting	Dealing with Geese Around Schools, Turf & Grounds IPM	21.15
6/28/2015	Smithtown, NY	Monthly Meeting	"The Birds and the Bees" a talk about non-hornet bee pollinators	40
6/30/2015	Hyde Park, NY	Task Force on Lyme and Tick-Borne Disease	How to Identify, Avoid and Remove Ticks	50
7/2/2015	Garrison, NY	Tick Talk – Panel Discussion	Tick Identification and Prevention	3.75
7/15/2015	Hogansburg, NY	Pesticide Forum	It Crawls, It Bites, It Stings: Dealing with pests in and around the home safely and effectively. Part I & II	136.5
7/24/2015	Morristown, NJ	Annual Education Meeting	Harboring Secrets: Parasites and Pathogens of NYC Rats	80.5
8/4/2015	Castleton-on-Hudson, NY	Geese on School Grounds Workshop	Intro, Turf Management & Geese	13.65
8/11-16/2015	Altamont, NY	Altamont Fair	Community IPM Display	25.68
9/1/2015	Syracuse, NY	Public Forum on Ticks and Lyme Disease	Options in Landscape Management to Minimize Tick Exposure	11.55
9/16/2015	Hogansburg, NY	St. Regis Mohawk Tribe Pesticide Forum	IPM as a tool in pollinator protection, Discussion on creating a pollinator protection plan	100
9/26/2015	Melville, NY	NYPMA Fall Workshop	Best Practices for IPM	85
9/30/2015	Long Island City, NY	Technician Training	NYS IPM Structural Short Course	51

9/30/2015	Astoria, NY	Structural IPM Short Course	Structural IPM Short Course, Pest Identification	45
10/15/2015	Canandaigua, NY	Ontario County Master Gardener Training	Landscape IPM Basics	34
10/7/2015	Yaphank, NY	Suffolk County 30-hour course	Pesticides and Formulations	25
10/8/2015	Virtual	Horticulture PWT Monthly webinar	NYSIPM Program's activities with Pollinators	1
10/12/2015	Syracuse, NY	Environmental Communications Class	The Challenges of Telling an Environmental Story at Doubleday Field	11.25
10/13/2015	Saratoga Springs, NY	NYS School Environmental Health Summit	School IPM	24
10/15/2015	Elmsford, NY	Presentation	Home Invasion: The Story of Overwintering Pests	10.5
10/15/2015	Delmar, NY	BCDT Fall Forum	Ticks, Hosts, and IPM, Tick Table – Show & Tell	17.85
10/15/2015	Canandaigua, NY	NY Regional MG Training	Landscape IPM Basics	34
10/18/2015	Rotterdam Junction, NY	Mabee Farm's Fall Foliage Festival	Community IPM Display	9.9
10/20/2015	Virtual	NEIPMC Forum	Summary of the SCOPE Working Group	N/A
10/20/2015	Webinar	1 st Annual IPM Online Conference	School IPM outreach in the Northeast	25
10/21/2015	Long Beach, NY	Tenant Meeting LBPH	"Bed Bugs – What You Need to Know: Healthy Lawns: establishment, maintenance and pest control	40
10/22/2015	Canandaigua, NY	NY Regional MG Training	Healthy Lawns: establishment, maintenance and pest control	35
10/27/2015	Delmar, NY	BCDT Fall Forum	Tick Table – Show & Tell	1.5
10/29/2015	Middletown, NY	Advanced Master Gardener Training on Composting	Avoiding Pests at the Compost Pile	60
10/30/2015	Yonkers, NY	Hands On Training	NYS IPM Structural Short Course	180
10/30/2015	Goshen, NY	Pest Management for Today's Schools	Turf and Grounds IPM & Walk-Through Exercise	73.5
10/30/2015	Yonkers, NY	Hands On Training	NYS IPM Structural Short Course	180
10/30/2015	Goshen, NY	Pest Management for Today's Schools	Tenets of School IPM	21
10/30/2015	Goshen, NY	Pest Management for Today's Schools	Structural Pest Management	42
10/30/2015	Goshen, NY	Pest Management for Today's Schools	Walk-Through Exercise	21
11/3/2015	Ithaca, NY	CALS Ag-Inservice	Pollinators & How Engaged Cornell and Leadership for the Greater Good will Transform the Cornell Experience	34
11/5/2015	Rodale, PA (virtual)	NEIPMC Advisory Council Meeting	Summary of the SCOPE Working Group	N/A
11/5/2015	Canandaigua, NY	Master Gardener Training	Structural Pests	66
11/5/2015	Ithaca, NY	Agriculture and Food Systems In-service	Alternative Landscape Plants to Regulated Invasives	15
11/9/2015	Albany, NY	Community IPM Coordinating Council Meeting	Task Force on Lyme and Tick-Borne Diseases	12.5
11/10/2015	Albany, NY	Free Lead Prevention and Bed Bug Informational Training	Fight the Bite! Bed Bug Basics, Bed Bug Self Protection	20
11/13/2015	Dewitt, NY	Tick-Train the Trainer	Ticks and Tick-Borne Illness	52.5

11/17/2015	Rochester, NY	2015 Turf & Grounds Exposition	TickClick	21
11/17/2015	Rochester, NY	NYS Turf and Grounds Expo	Alternative Landscape Plants to Regulated Invasives	40
11/17/2015	Rochester, NY	Turf & Grounds Exposition	IPM, the Big Picture – A Survey of Public School Districts in NYS	18
11/18/2015	Charlotte Amalie, St. Thomas, USVI	IPM Forum for the USVI	Reducing use of pesticides in hotels/restaurants/schools	56.25
12/2/2015	Webinar	PCT Virtual Conference	Key Points and Updates in Rodent Exclusion	0
12/2/2015	Albany, NY	Pest Management Training	Pest Identification 1	12
12/8/2015	Geneva, NY	Tenants meeting	Bed bugs	15
12/10/2015	Geneva, NY	NYS IPM Program Staff Meeting	NYS IPM Program Tick Research & Outreach	7.5
12/11/2015	Geneva, NY	Cornell Turf Team meeting	Geese on school grounds	5
12/14/2015	Acra, NY	Master Gardener Training	IPM	42
12/15/2015	White Plains, NY	Bed Bug Training	Fight the Bite! Bed Bug Self Protection	20
12/16/2015	Poughkeepsie, NY	Bed Bug Training	Fight the Bite! Bed Bug Self Protection	15
Total Contact Hours				5,493.13

Samples of Resources Developed

Flickr: <http://www.flickr.com/photos/99758165@N06/>

Fact sheet: <http://tinyurl.com/nmcpyxr>

Facebook Page: <https://www.facebook.com/NYSIPM>

NYS IPM Blog: <http://blogs.cornell.edu/nysipm/>

School IPM Blog: <http://blogs.cornell.edu/schoolchildcareipm/>

YouTube Channel: <https://www.youtube.com/user/NYSIPM>