2016 SENTINEL PLANT NETWORK SUMMER WORKSHOPS
Rachel McCarthy, NPDN-SPN, Cornell University and Dan Stern, American Public Gardens Association

What do Phipps Conservatory and Botanical Gardens and ABQ BioPark Botanic Garden have in common? Aside that they are both botanic gardens, if you guessed that they are both members of the Sentinel Plant Network (SPN) and that they each hosted SPN professional development workshops this summer, you are correct!

Phipps Conservatory and Botanical Gardens in Pittsburgh, PA hosted the northeast workshop on July 19 & 20. This workshop served 43 professionals from 23 public gardens across 10 northeastern states (and one Canadian province) as well as representatives from the American Public Gardens Association, NPDN, PA Department of Agriculture and USDA-APHIS. On August 2 & 3 ABQ BioPark Botanic Garden hosted a workshop for southwestern public gardens. The Albuquerque, NM workshop served a total of 51 professionals from 26 public gardens across 10 southwestern states as well as reps from the American Public Gardens Association, NPDN and APHIS. These summer workshops were part of SPN’s FY15 work plan and followed a similar format as the one conducted in New Orleans this spring.

The Pittsburgh diagnostic team was made up of Rich Buckley, Rutgers Plant Diagnostic Laboratory, Eric Day, Virginia Tech Department of Entomology, Dawn Daily O’Brien, Cornell University Plant Pathology, Sandra Jensen, Cornell Plant Disease Diagnostic Clinic and Jason Dombroskie, Cornell Insect Diagnostic Laboratory. In Albuquerque our team consisted of Tamla Blunt, Colorado State University Plant Diagnostic Clinic, Carol Sutherland, New Mexico State University Extension Plant Sciences Department, Rachel Bomberger, Washington State University Plant Pest Diagnostic Clinic, and John Garlisch and Graeme Davis from New Mexico State University Extension, Bernalillo County.

SPN’s professional development workshops provide opportunity to update frontline plant health care professionals.
professionals about significant pests in their respective regions and introduce them to new content which has been developed on emerging threats. Participants get a variety of scouting tools to assist with their monitoring efforts and spend a fair amount of class and hands-on time learning signs and symptoms caused by different organisms. Additionally, participants learn about the SPN program, what is expected from them as a participating member and when they should consult their state NPDN diagnostician with suspect sample questions.

New NPDN-SPN materials were debuted on Japanese oak wilt and the oak ambrosia beetle as well as spotted lanternfly (in PA). To date NPDN has developed training and diagnostic aids on Scots pine blister rust, Siberian silk moth, oak splendor beetle, rosy moth, tremex wood wasp, Mediterranean pine shoot beetle, Japanese wax scale and mountain oak longhorned beetle. SPN members are encouraged to monitor for these treats and contact their state diagnostic lab any time they come across something which is suspect.

If you would like to attend a Sentinel Plant Network workshop in your area contact Rachel McCarthy at rachel.mccarthy@cornell.edu. More information about the project including SPN’s sample submission protocol can be found at www.npdn.org/spn (login required) and information on SPN’s emerging threats can be found on our public website at www.sentinelplantnetwork.org/issue/threats-us.

EUROPEAN GRAPEVINE MOTH ERADICATED FROM CALIFORNIA

On August 18, 2016 agricultural officials from the California Department of Food and Agriculture (CDFA) and the United States Department of Agriculture (USDA), in cooperation with county agricultural commissioners, have declared the European grapevine moth (EGVM) eradicated from California and have lifted quarantine restrictions.

To read the full news release from CDFA visit www.cdfa.ca.gov/exec/Public_Affairs/All_Press_Releases.html and search: CDFA 16-030
The 4th NPDN National Meeting award ceremony shows appreciation with outstanding service awards
Karen Snover-Clift, NEPDN Associate Director, Cornell University, Richard Bostock, WPDN Director, University of California at Davis and Sharon Dobesh, GPDN Associate Director, Kansas State University

On March 10, 2016, the NPDN recognized the outstanding service of our members and colleagues at an awards ceremony at the 4th NPDN National Meeting. The NPDN Outstanding Team and Individual Service Awards were presented to members and colleagues that have performed, as the award name implies, outstanding service. So many of our membership perform outstanding service everyday with their contributions to network activities, however, the people recognized for our awards really stood out because they went above and beyond the call of duty. The award is reserved for those that performed truly exceptional tasks or produced superior products that helped others function more easily, more efficiently, with great materials and/or with a gained knowledge base. Two teams and nine individuals were given awards this year.

The first NPDN Outstanding Team Award was presented to The Beltsville Workshop Instructors. The Team Members included Laurene Levy, Vessela Mavrodieva, Renee DeVries (not pictured), Gloria Abad, John Bienapfl, Wenbin Li, John Rascoe, Gang Wei, Stefano Costanzo, Kurt Zeller, Zhaewei Liu and Mark Nakhla. The Beltsville Workshop Instructors were selected for an NPDN Outstanding Team Award for their annually providing advanced morphological and molecular diagnostic trainings on significant pathogens for NPDN diagnosticians, technicians and our colleagues since 2003.

It is difficult to express the significance of this contribution to the NPDN membership. Simply put, the Beltsville Laboratory instructors and administrators have always been extremely flexible to meet our needs in terms of the timing of workshops and number of participants attending, they have committed extraordinary amounts of time to prepare workshops and to provide very complete notebooks of resources and presentations. They have provided quality hands on instruction annually since 2003. It is difficult to convey exactly how much of an effort it is to produce just one of these workshops each year. This team consistently offers 6–7 workshops, back to back… basically closing down their shop to all activities except for our workshops for a 4-5 week period. At the time of the award submission, the workshops have covered 14 topic areas in 64 workshops to 436 NPDN and collaborating diagnosticians. The 14 topics covered since 2003 were 1) soybean rust (Phakopsora pachyrhizi and P.meibomiae), 2) southern bacterial wilt of geranium and brown root rot of potato (Ralstonia solanacearum R3B2), 3) sudden oak death (Phytophthora ramorum), 4) citrus greening-HLB (Candidatus Liberibacter asiaticus, Candidatus Liberibacter africanus, and CandidatusLiberibacter americanus), 5) potato cyst nematode (Globodera rostochiensis), 6) plum poxvirus, 7) Phytophthora kernoviae with P. ramorum, 8) Potato Wart (Synchytriumendobioticum), 9) Phytophthora 101 with focus on P. ramorum and P. kernoviae, 10) bioinformatics part I, 11) bioinformatics part II, 12) citrus diseases which included CitrusLeprosis, Sweet Orange Scab (Elsinoë australis) and Citrus Black Spot (Guignardia citricarpa), 13) bioinformatics complete and 14) phytoplasmas. Their dedication and commitment to the NPDN diagnostician’s professional development needs to be recognized for its extraordinary value to the NPDN mission.

The second NPDN Outstanding Team Award was presented to The Cooperative Rapid Response Team for Phytophthora tentaculata. The Team Members included Susanne Rooney-Latham, Cheryl Blomquist, Marinell Soriano and Matthew Lai, of the California Department of Food and Agriculture; Ying Yi Guo of the CDFA Plant Past Diagnostics Center; Kathleen Kosta and Kristina Weber of CDFA Nursery Services; Karen Suslow of NORS-DUC; Ted Swiecki and Elizabeth Bernhardt of Phytosphere Research; and Susan Frankel of the United States Forest Service.
Following the first detection of *Phytophthora tentaculata* in the United States by CDFA scientists in 2012, this team provided diagnostic services, state-wide field work, and outreach training for nursery owners, managers, and workers to prevent the spread of this devastating plant pathogen from native plant restoration nurseries into California’s native plant communities. In the lab, an existing diagnostic test was adapted so if no culture was obtained, the species could be ID’d by PCR & sequencing. The lab tested more than 1,000 samples. At the same time, the field sampling staff had to quickly develop methods of prioritizing species most at risk. To address the panic in the native plant industry caused by these detections, the growers convened a summit in December 2014. This Team is an outstanding example of the coordination and cooperation we seek and aspire in interactions between NPDN and other state and federal agencies!

The NPDN Outstanding Service Award was presented to nine individuals at the 4th NPDN National Meeting. The recipients of the awards are listed below.

**Katherine Burch of USDA-APHIS-PPQ-Science & Technology** received the award for her many contributions to the NPDN STAR-D program. Kathy has been a valuable resource during the development of the STAR-D program, NPDN’s Laboratory Accreditation System. Her over 25 years of QMS experience has been an incredible asset to STAR-D; she provided guidance in the development of core documents, instruction and auditing. Since 2010, Kathy provided instruction at the QMS Workshops, Gap Audits, ISO-17025 Auditor Trainings and Phase 2-Internal Auditor Trainings; in total helping train 199 NPDN members and colleagues. Kathy helped develop implementation tools, she serves as a consultant to STAR-D Auditors and Board Members, she is a STAR-D External Auditor and a frequent contributor to the NPDN News with the “Ask the Expert” reoccurring feature. Kathy’s presence and efforts have been crucial in the successful development of NPDN’s plant based quality management system. STAR-D would not be the quality program and would not have developed as quickly as it did without her input. For these and so many other reasons, Kathy is being recognized for her contributions to the NPDN STAR-D program!

**Elizabeth Bush of Virginia Tech University** received the award for her many contributions to the NPDN and specifically to diagnostics. Elizabeth was recognized for her general support for SPDN and NPDN and specifically for her work with USDA-APHIS-PPQ-CPHST to develop a high-throughput variation of the CPHST validated Real time PCR protocol for detecting *Phytophthora ramorum* using the StepOnePlus platform. Elizabeth took on this project at a time when she had many other obligations. She approached the project in her characteristic meticulous, dedicated manner and was undaunted by several setbacks. Elizabeth’s collaboration with NPPLAP was successful in determining that the proposed variation was an accepted protocol. Elizabeth has also been a strong and reliable partner to the NPDN-SPDN for more than 10 years. She assists in so many other activities that need attention for the region and/or national network; one recent contribution was as a member of NPDN 4th National Meeting Abstract Committee which expanded into the Abstract-Procuring Sponsorship Committee. Elizabeth’s work often is conducted behind the scenes, but is significant in supporting the ongoing success of the NPDN and because of this, Elizabeth is being recognized for her efforts!

**Dawn Dailey O’Brien of Cornell University** received the award for her many contributions to the STAR-D project. Dawn was recognized for her leadership...
and stewardship of the NPDN STAR-D (System for True and Reliable Diagnostics) laboratory accreditation program. Along with Karen Snover-Clift, they became the key individuals who developed and coordinated the accreditation program using resources from our colleagues at USDA-APHIS-PPQ-CPHST, the APHIS Veterinary Services lab, the veterinarian diagnostician’s network-AAVLD and using the ISO standard 17025 as a model system. STAR-D is the first plant diagnostic laboratory accreditation program in the country. In 2010, Dawn joined the NPDN as STAR-D’s National Quality Coordinator to work with Karen on the creation and implementation of the STAR-D program. She quickly developed a great working relationship with the NPDN Regional Center staff, diagnosticians and collaborating agency colleagues. Even though she had no quality management experience, she showed no fear and was eager to learn from the collaborators at USDA APHIS and AAVLD. She quickly became the NPDN’s point person for helping people as they took on implementing STAR-D in their laboratories. Dawn coordinated numerous workshops to allow NPDN members various opportunities to learn about the STAR-D program. When a training session included providing the hosting laboratory with a gap audit (which helped them learn of areas the needed attention), she was the one to gather all the information collected by participants and put all their thoughts and observations (an overwhelming amount of information) into a neatly packaged and extremely valuable report. Dawn’s coordination efforts help make what might be an intimidating topic to start, seem “not as bad as they thought it would be”. Whether someone is looking for a template on the website, or wanting to participate in a training event or wanting to become an accredited laboratory, Dawn is able to help them through the process with ease and knowledge.

**Jason French of New Mexico State University** received the award for his many contributions to the NPDN and STAR-D. Jason is being recognized for his general support for WPDN and NPDN and specifically for the numerous and broad-based contributions to the NPDN mission.

Jason has contributed to the National Repository Database by upload 10 years of NMSU diagnostic legacy data and recently participated in the resurrected IT-Diagnosticians Meeting.

Jason contributes to national efforts by not only serving on numerous national committees but by providing valuable and thoughtful input in the development of PAC and NPDN activities. One of Jason’s biggest contributions to the network is his participation in the STAR-D project. Jason has been trained as an external auditor and served as the lead auditor to the Cornell University Accreditation Audit. He also implemented STAR-D in his own laboratory and hosted a Gap Audit that also served as training to prepare a new batch of External Auditors. In all of his efforts, Jason’s organization and professionalism stand out and his accomplishments always exceed expectations. For all of these and so many other reasons, Jason is being recognized for his many contributions to the NPDN and STAR-D!

**Nancy Gregory of the University of Delaware** received the award for her many contributions to the NPDN and the National Database system. Nancy is being recognized for her general support for the NPDN and specifically for the leadership she provided as part of the one fungus, one name project. Nancy served as the Chairman for the National Database PAC from 2010-2013. Under her leadership, over 1,400 host and 5,000 pest codes were reviewed. These dictionaries have been reference for other programs such as CAPS and APS. After leaving the Chairman position, Nancy led and directed the effort in pursuing funding from the farm bill for the “One Standard Fungi Name” project. She served as PI for two years when the project was funded. The effort required several collaborations which included Purdue University, other land grant universities, USDA-APHIS-ARS and CPHST. Each group made great contributions but Nancy was the one who coordinated and brought different standards, understanding and expertise to build and develop an outstanding final product. The completions of this effort resulted in over 1,500 pest record modifications and over 800 pest synonym additions. For all her contributions to the National Database and specifically...
for her tremendous commitment, outstanding organization and extraordinary facilitation, Nancy is being recognized for her efforts!

Carrie Harmon of the University of Florida received the award for her many contributions to the NPDN. Carrie was recognized for her work as the SPDN Associate Director to assist the SPDN labs and contributions to projects that benefit NPDN. Carrie is involved in several projects in addition to the daily administrative duties that provide oversight and maintenance to the SPDN diagnostic operations, she is a faculty member and Director of the Plant Diagnostic Center for the University of Florida, she has served as the NPDN Executive Team Secretary since the team was formed over 10 years ago, her lab was the first to gain STAR-D laboratory accreditation status in 2014, and in addition to all of this, she somehow found a way to earn her doctorate degree in 2013. The energy that Carrie exudes carries through in all her projects and responsibilities. Other projects which she has headed include the “Challenges of standardizing molecular detection/diagnostic tests for plan disease diagnostic laboratories”, and the Regional IPM grant which funded diagnostic image series for supporting the Southern IPM region and diagnostic labs.

Richard (Dick) Hoenisch of the University of California at Davis received the award for his many contributions to the NPDN training effort. Dick is being recognized for his many contributions to the WPDN and NPDN training and education effort. As the WPDN Training and Education Coordinator since 2005, Dick has principle responsibility for training and outreach to First Detectors and other clientele. Especially noteworthy is Dick’s maintaining a robust outreach program in spite of severe budget cuts. His pursuit of farm bill funds has allowed him to expand the First Detector program and produce workshops; most recently two popular malacology workshops. Within the WPDN, there are 5,563 First Detectors. Dick has been directly involved with training half of them. He developed new online modules for this audience; one title “Advance of Plant Pathology” and another “Plants for Planting”. His development and production of a regional based newsletter “WPDN First Detector News”, has a distribution of over 6,200. Dick brings high energy and great enthusiasm to his position. He is a poise public speaker and a positive force for the network. For all of these and so many other reasons, Dick is being recognized for his many contributions to training and education and the NPDN!

Maryna Serdani of Oregon State University received the award for her many contributions to the NPDN and diagnostics. Maryna is being recognized for her general support for the NPDN and specifically for her exceptional talent in recognizing and rapidly identifying plant pests, diseases and weeds detected in Oregon and neighboring states. In the three years at the Oregon State University, Plant Clinic, Maryna has identified 10 first reports...

1. Walnut twig beetle (*P. juglandis*) on white walnut in OR (first host report).
2. *Geosmithia morbida* on white walnut in OR (first host report).
5. *Eriophyes canestrinii* (Boxwood bud mite) on *Buxus sempervirens* (first report for OR).
6. Ribgrass mosaic virus on Iberis—first report for WA.
7. *Verticillium dahliae* on peppermint—first report for UT.
8. *Aspergillus niger* (Aspergillus vine canker) on winegrape—first report for WA.
10. Downy mildew of apples—CA (first state report).

Maryna has made great contributions to the WPDN and NPDN, she participates in national activities such as the IT-Diagnosticians meeting and STAR-D events. She was first to recognize a false positive report caused by a cross reaction with a previously untested host as such. Maryna developed an innovative loop mediated isothermal amplification (LAMP) assay for *Rhodococcus*
fasciens, which was presented in the bacteriology training workshop held at the 3rd National Meeting. For all her contributions to diagnostics and the NPDN, Maryna is receiving recognition for all her efforts!

Patrick Shiel of USDA-APHIS-PPQ-Science & Technology received the award for his many contributions to the STAR-D project. Pat has been a valuable collaborator during the development of the STAR-D program. His commitment to introducing the NPDN membership to Quality Management Systems and providing support to carry out activities has allowed the NPDN to develop a fully functioning laboratory accreditation system. Pat helped the STAR-D staff learn about ISO-17025-like systems, gathered AAVLD documents that were used as references, and provided guidance during the development of our core documents. Pat coordinated the first Ames, Iowa meeting that was an introduction to QMS for many of our NPDN members. He followed that up with obtaining support for our building a well-educated pool of auditors. Pat has been a valuable collaborator during the development of the STAR-D program. His commitment to introducing the NPDN membership to Quality Management Systems and providing support to carry out activities has allowed the NPDN to develop a fully functioning laboratory accreditation system. Pat helped the STAR-D staff learn about ISO-17025-like systems, gathered AAVLD documents that were used as references, and provided guidance during the development of our core documents. Pat coordinated the first Ames, Iowa meeting that was an introduction to QMS for many of our NPDN members. He followed that up with obtaining support for our building a well-educated pool of auditors. For these and so many other reasons, Pat is being recognized for his contributions to the NPDN STAR-D program!

Karen Snover-Clift of Cornell University received the award for her contributions to the STAR-D project and coordination of the Advanced Diagnostician Workshops. Karen was recognized for her leadership and stewardship of the NPDN STAR-D (System for True and Reliable Diagnostics) laboratory accreditation program and for her coordination of the Beltsville advanced diagnostic workshop program hosted by APHIS colleagues. Karen assumed the role of the NPDN National Quality Manager in 2010 and along with Dawn Dailey O’Brien, they became the key individuals who developed and coordinated the accreditation program using resources from our colleagues at USDA-APHIS-PPQ-CPHST, the APHIS Veterinary Services lab, the veterinarian diagnosticians network-AAVLD and using the ISO standard 17025 as a model system. STAR-D is the first plant diagnostic laboratory accreditation program in the country. A key accomplishment was securing the necessary funds to support the accreditation training programs through Farm Bill Suggestion requests, USDA-APHIS-PPQ Cooperative Agreements and with allocated support from the NPDN Executive Committee. Her efforts resulted in obtaining a level of funding that enabled the NPDN to implement the STAR-D program with numerous laboratories reaching or working towards accreditation status. Karen has worked diligently to advance her region’s and the national network’s diagnostic capabilities since the inception of the NPDN and her appointment as Associate Director of the NEPDN in 2003. When funding cuts threatened the continuation of the advanced workshop, Karen procured funds through the Farm Bill system to ensure these valuable workshops continued. Beginning 2003 and through 2016, she has coordinated scheduling, content and travel for 14 different types of diagnostic workshops. A total of 63 workshops on advanced diagnostic protocols attended by 436 participants.

CONGRATULATIONS TO EVERYONE THAT RECEIVED AN AWARD!

Meeting planners and STAR-D pioneers
During the Award Ceremony, the NPDN Leadership also recognized and said a big thank you to those that helped with the planning and arrangement that made this meeting a huge success. Mary Burrows and Carla Thomas were recognized for their efforts in procuring a grant to help funds activities at the National Meeting. These resources played a critical part in the success of our meeting and we very much appreciate all the time and effort put into obtaining those funds by Mary and Carla.

Not enough can be said for Carrie Harmon and all the planning committee members. Carrie took on the primary leadership role for this meeting and based on
everyone’s comments and feedback, we can’t thank her enough for everything she did! Many of us coordinate meetings and we know how much effort small meetings require so we know planning a meeting for hundreds of people over 7 days with so many activities and a commitment that spanned more than 3 years the time and effort required to make this happen. We had receptions, core meeting activities, night time meetings after the meeting, tours, workshops and so much more. The various planning committee members also need to receive our gratitude for their hard work. Thank you for all you did to make our meeting a huge success. It took many, many months of planning and considerable efforts from so many people! Thank you to everyone for your contributions!

A few of our NPDN Members were true Pioneers of the STAR-D system and they were recognized for their contributions to the NPDN. They are listed under the heading of their accomplishment below.

Laboratories that have gained accreditation
- University of Florida, Plant Diagnostic Center, accredited as of May 2014.
- Cornell University, Plant Disease Diagnostic Clinic, accredited as of May 2014.
- Nevada Department of Agriculture, Plant Pathology Laboratory, accredited as of June 2015.

Laboratories received a Gap Audit & are awaiting their accreditation audit
- Texas A&M University, Plant Disease Diagnostic Clinic
- New Mexico State University, Plant Diagnostic Clinic
- Kansas State University, Diagnostic Laboratory
- Michigan State University, Diagnostic Services
- Oregon Department of Agriculture, Plant Health Laboratory
- Iowa State University, Plant & Insect Diagnostic Clinic
- University of Puerto Rico, Plant Disease & Insect Clinic

STAR-D external auditors (requires external auditors)
- Kathy Burch, USDA-APHIS-PPQ-Science & Technology
- Dawn Dailey O’Brien, Cornell University
- Geoffrey Dennis, USDA-APHIS-PPQ-Science & Technology
- Jason French, New Mexico State University
- Ron French, Texas A&M University
- Laura Jesse, Iowa State University
- Judy O’Mara, Kansas State University
- Pat Shiel, USDA-APHIS-PPQ-Science & Technology
- Raj Singh, Louisiana State University AgCenter
- Karen Snover-Clift, Cornell University
- Shouhua Wang, Nevada Department of Agriculture
- Rachel Bomberger, Washington State University
- Sharon Dobesh, Kansas State University
- Nancy Osterbauer, Oregon Department of Agriculture
- Cheryl Smith, University of New Hampshire
- Virginia Tarango, Oregon Department of Agriculture

Those in the process of becoming external auditors…
- Clarissa Balbalian, Mississippi State University
- Carrie Harmon, University of Florida
- Sheila McBride, Texas A&M University
- Debbie Meyer, California Department of Food and Agriculture

CONGRATULATIONS TO EVERYONE THAT WAS RECOGNIZED AT THE AWARD CEREMONY!
NPDN-WPDN nematology workshop
June 20–22, 2017 at UC Davis
The Western Plant Diagnostic Network is organizing a Nematology workshop June 20–22, 2017, at the University of California, Davis. The participants should be national, state, and county identifiers, those with regulatory responsibilities, agricultural/horticultural inspectors, wholesale nursery producers, and those academically interested in nematology. Please contact Dick Hoenisch rwhoenisch@ucdavis.edu, or phone 530 754 2255 (office) for information about the workshop. Registration will open in January, 2017.

The presenters include nematologists from the California Department of Food and Agriculture, the University of California, Davis, and the University of California, Riverside.

Raj Singh, Director, Plant Diagnostic Center, LSU AgCenter, received the Gamma Sigma Delta Honor Society of Agriculture 2016 Faculty Distinguished Achievement in Agriculture Award. This award is presented to a Gamma Sigma Delta member who has made outstanding contribution to agriculture in the last five years in the form of teaching, research, extension or other distinguished service.

Raj was also recognized at the 2016 National Association of County Agricultural Agents Annual Meeting and Professional Improvement Conference in Little Rock, Arkansas. He was one of the four national finalists for the search for excellence in consumer/commercial horticulture award. The award is given to recognize a NACAA member who has developed and carried out an outstanding extension educational program in horticulture. Congratulations Raj!
Forest Entomologist at Central Regional Conservation Research Center, Columbia, MO

DUTIES AND RESPONSIBILITIES:
MONITORING: Monitors insect-related forest disturbances on a statewide basis through aerial and ground surveys. Designs survey procedures, supervises and trains field crews, analyzes survey data and writes reports. Produces GIS data files and maps. Evaluates insect impacts on forest health statewide and recommends management options. Coordinates training and data collection activities of Department employees participating in federally-sponsored forest health programs. Provides forest health diagnostic and consultant services to federal and state agencies, private organizations and individuals, and maintains diagnostic records...

INFORMATION TRANSFER: Identifies information needs and produces forest health training for Department field staff. Presents forest health seminars and workshops for federal, state and green industry staff. Develops and facilitates distribution of forest health educational materials, diagnostic tools, and management guidelines...

PROGRAM COORDINATION: Works with the forest pathologist to coordinate Department participation in federal forest health programs including Cooperative Forest Health Protection and Forest Health Monitoring. Develops federal grant application narratives, implements program activities to meet grant objectives, and prepares and submits required forest health reports to federal granting agency. Functions in a leadership role in Department response to emerging forest health issues related to invasive insects such as EAB, GM, as well as forest decline complexes...

RESEARCH: Designs research studies in forest entomology and forest health, analyzes and interprets data, writes scientific journal articles, professional reports and popular articles...

Assistant Professor in Entomology: Turfgrass and Ornamentals, University of Georgia

POSITION: The University of Georgia College of Agricultural and Environmental Sciences (CAES) invites applications and nominations for the position of Assistant Professor with responsibilities in Integrated Pest Management for insects affecting turfgrass and ornamental plants. This is a twelve month, tenure-track position. The position will initially be budgeted 65% Research, 25% Extension and 10% Instruction.

LOCATION: Department of Entomology, Griffin Campus, Griffin, Georgia

POSITION RESPONSIBILITIES:
Provide leadership and coordination for arthropod IPM programs for turfgrass and ornamentals in Georgia. Develop regionally and nationally prominent research and extension programs funded via competitive funding from federal, state, industry and private entities. Research activities should focus on the biology and ecology of arthropod pests and associated beneficials of importance to the Green Industry. Extension responsibilities include development and maintenance of active working relationships with county agents and specialists, research counterparts, ag-industry representatives and growers. Instructional activities will include participating in team taught courses where appropriate, and directing graduate students.

APPLICATION PROCEDURE: Applicants should submit electronically: 1) a letter of application that describes professional goals, research, instruction, and extension philosophy, and other scholarly interests as they relate to the position, 2) a detailed curriculum vita, and 3) contact information for four references (who will not be contacted without further correspondence with the applicant) Please email materials to: entoinfo@uga.edu

Applications will be reviewed beginning October 31, 2016. Applications received by that date are assured of consideration, however screening will continue until the position is filled.
UPCOMING EVENTS

Meetings

September 25–30, 2016
2016 XXV International Congress of Entomology
Orlando, FL

October 24–27, 2016
20th Ornamental Workshop on Diseases and Insects
Hendersonville, NC

PHOTO OF THE MONTH

Diagnostic *L. botrana* forewing pattern elements (highlighted in red): prominent leaden-gray bar across the middle of the forewing and an inverted “Y” on the outer half of the forewing.

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www.bugwood.org

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Share Tips and News with Your Colleagues
Recently write an article for a trade journal? Do you have a tip, announcement, regional news or network update you would like to include in the NPDN News? Email Rachel McCarthy at rachel.mccarthy@cornell.edu

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NPDN outreach. Connect with us on social media!

Rachel McCarthy, Editor
NPDN, Training and Education Coordinator
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