

STATION NEWS

THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION



THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION

STATION NEWS
PUTTING SCIENCE TO WORK FOR SOCIETY

The mission of The Connecticut Agricultural Experiment Station is to develop, advance, and disseminate scientific knowledge, improve agricultural productivity and environmental quality, protect plants, and enhance human health and well-being through research for the benefit of Connecticut residents and the nation. Seeking solutions across a variety of disciplines for the benefit of urban, suburban, and rural communities, Station scientists remain committed to "Putting Science to Work for Society", a motto as relevant today as it was at our founding in 1875.



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DEPARTMENTAL NEWS

ADMINISTRATION

DR. LOUIS A. MAGNARLLI participated in an Invasive Plants Council Meeting in Hartford (March 8); welcomed Federated Garden Club members in Jones Auditorium and gave a brief report on Station research (March 22); was interviewed about the brown marmorated stink bug by Bob Miller of the Danbury News Times (March 31); and attended the Annual Meeting of Tree Wardens in Portland, CT and gave a report on Station research and activities (March 31).

ANALYTICAL CHEMISTRY

DR. JASON C. WHITE participated in a National Center for Food Protection and Defense webinar entitled "New Food Models: Bioterrorism Risk Assessment (BTRA)" (March 5); participated in the monthly Laboratory Preparedness Network meeting at the Department of Public Health in Hartford (March 7); met with WCSU student Timothy Joseph regarding a summer internship in the Department (March 8); participated in FDA FERN CAP Chemistry conference call for LC-MS Executive users (March 9); participated in an on-line (Internet Assisted Review) Grant Review Panel for the National Institute of Health (NIH); met with two Yale undergraduate students regarding programs and research within the Department (March 15); presented a poster entitled "Role of the Connecticut Agricultural Experiment Station Department of Analytical Chemistry in the Deepwater Horizon Oil Spill Response at "Agriculture Day at the Capital" (March 16); and participated with Department staff in a FDA FERN Chemistry Cooperative Agreement (CAP) Laboratory conference call (March 17).

DR. CHRISTINA ROBB participated in an Agilent webinar concerning powder and surface analysis by FTIR (March 3); participated in a National Center for Food Protection and Defense webinar entitled "New Food Models: Bioterrorism Risk Assessment (BTRA)" (March 5); participated in FDA FERN CAP Chemistry conference call for LC-MS Executive users (March 9); participated in a conference call for the Association of Public Health Laboratories (APHL) working group on ELISA based methods for the FSIS FERN network (March 16); and performed a proficiency test (PT) for the mycotoxin Zearalenone in maize-based snack food by LC-FLD for the FDA FERN Chemistry network (March 30).

DR. BRIAN EITZER participated in FDA FERN CAP Chemistry conference call for LC-MS Executive users (March 9); met with two Yale undergraduate students regarding programs and research within the Department (March 15); was a judge at the Connecticut Science Fair at Quinnipiac University in Hamden, CT (March 16-17); and performed a proficiency test (PT) for the mycotoxin Zearalenone in maize based snack food by LC-FLD for the FDA FERN Chemistry network (March 30).

DR. WALTER KROL participated in a National Center for Food Protection and Defense webinar entitled "New Food Models: Bioterrorism Risk Assessment (BTRA)" (March 5); participated in FDA FERN CAP Chemistry conference call for LC-MS Executive users (March 9); and performed a proficiency test (PT) for the mycotoxin Zearalenone in maize-based snack food by LC-FLD for the FDA FERN Chemistry network (March 30).



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ENTOMOLOGY

MS. TIA BLEVINS, with **DR. VICTORIA L. SMITH** and **MR. PETER TRENCHARD** participated in Aerial Survey-Aviation Safety & Management, a course sponsored by the US Forest Service, held at the Rachel Carson Office Building in Harrisburg, PA (37 participants) (March 28-31).

MS. KATHERINE DUGAS attended a public screening of the Nature Conservancy documentary “Lurking in the Trees” in Essex; after the film, there was a discussion concerning the Asian longhorned beetle (50 attendees) (March 3); went to Lake Katrine, NY, to learn about current delimiting and monitoring efforts for Emerald ash borer in the Saugerties, NY, area (March 15); spoke about pests and beneficial insects found in gardens to the Franklin Garden Club (12 attendees) (March 16); and attended the East Haven Landscape Open House, providing information to landscapers about the Asian longhorned beetle and Emerald ash borer (30 attendees) (March 23).

MS. ROSE HISKES gave a talk on the Emerald ash borer at the Forest Health Workshop held in Jones Auditorium (~45 attendees) (March 3); gave a talk on “Who We Are and What We Do” and “Forest Pests” to the Windsor Civitan Club in Windsor (22 attendees) (March 9); participated in the US Forest Service Delimitation Survey in Saugerties, New York, peeling ash logs looking for Emerald ash borer larvae (March 15); gave a talk on Asian longhorned beetle and Emerald ash borer at the Bloomfield Lecture Series held at the Harris AgriScience Center in Bloomfield (50 attendees) (March 25); staffed an Experiment Station and Forest Pest table at the Connecticut Master Gardener Symposium at Manchester Community College in Manchester (300 attendees) (March 26); was trained in CPR and the use of an Automatic Emergency Defibrillator by the Red Cross (March 28); and participated in a Connecticut Invasive Plant Working Group steering committee meeting and general meeting in Windsor (March 30).

DR. CHRIS MAIER spoke about the “Invasive Brown Marmorated Stink Bug” at the Forest Health Workshop held in Jones Auditorium (~ 45 attendees) (March 3).

DR. GALE E. RIDGE talked to staff members at the Agency on Aging in New Haven about proactive management of bed bugs for the poor, elderly, and handicapped (50 attendees) (March 2); and addressed a Torrington Health Department-sponsored program on bed bugs (120 attendees) (March 7).

DR. CLAIRE RUTLEDGE participated in an Emerald ash borer delimitation survey workshop in Kingston, NY (March 2); gave a talk titled “Volatile pheromones in Cerambycidae with a focus on small Japanese Cedar Borer and Asian Longhorned Beetle” at the Forest Health Workshop held in Jones Auditorium (~ 45 attendees) (March 3); participated in the Emerald Ash Borer Incident Management Team Simulation as a scientific advisor in Windsor Locks and New London (March 3, 9, 10); gave a talk titled “Bio-surveillance: Detecting invasive wood-boring beetles using a native wasp” at the 5th Connecticut Conference on Natural Resources in Storrs (10 attendees) (March 7); and taught the “Tree conditions laboratory” session of Arboriculture 101 in Jones Auditorium (~40 attendees) (March 16).

DR. VICTORIA L. SMITH organized the annual Forest Health Workshop, consisting of presentations by Station Staff on various aspects of research and findings of concern to DEP Foresters, USDA-APHIS-PPQ, and the forest health community, and presented a talk titled “TCD: the Latest Addition to the Alphabet Soup” (~ 45 participants) (March 3); participated in the monthly meeting of the Yale Biosafety Committee in New Haven (20 participants) (March 17); participated in a meeting of the National Plant Board of Directors, held at the USDA-APHIS Miami Introduction Station in Miami FL, as the Vice President of the Eastern Plant Board (10 participants) (March 21-24); and with **MS. TIA BLEVINS** and **MR. PETER TRENCHARD**, participated in Aerial Survey-Aviation Safety & Management, a course sponsored by the US Forest Service, held at the Rachel Carson Office Building in Harrisburg, PA (37 participants) (March 28-31).

DR. KIRBY C. STAFFORD III participated as administrative advisor at a meeting of the Multistate Project NE-1043, “Biology, Ecology and Management of Emerging Disease Vectors”



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in Jones Auditorium (19 adult attendees) (March 1-2); with **DRS. ANUJA BHARADWAJ, SCOTT WILLIAMS, and GOUDARZ MOLAEI**, and the assistance of **MS. TESS FOLEY**, submitted a grant proposal to the Centers for Disease Control and Prevention for a tick IPM project (March 11); prepared and presented a poster on tick research at Ag Day at the Capitol (March 16); participated in a meeting of the Northeast Area Experiment Station Directors (NERA) and the Multistate Activities Committee in Baltimore, MD, and provided a talk on the brown marmorated stink bug (March 21-23); was interviewed about tick activity and control by Liz Mitchell of the Fairfield Patch (March 24); and presented a talk on landscape management of the blacklegged tick and participated in discussions at the U.S. EPA conference "Promoting Community IPM for Preventing Tick-Borne Diseases" in Arlington, VA (>100 participants plus a webinar audience) (March 30-31).

DR. KIMBERLY A. STONER was interviewed about the decline in honey bees and bumble bees across the U.S. on "The Organic Farmstead" program on WPKN Radio (March 10); spoke on "Why Organic?" at the Healthy Yards, Safe Waters Conference at the Yale School of Environmental Studies and Forestry (250 attendees) (March 19); spoke on "Measuring pesticides in pollen and nectar" as part of a scientific symposium on "Pesticides and Pollinators" at the Eastern Branch Meeting of the Entomological Society of America held in Harrisburg, PA (30 attendees) (March 20); participated in Emergency Response Training (March 28); and was interviewed about Farm Based Education in Connecticut by Valerie Bannister for the spring supplement of the Hartford Courant (March 31).

STATION PARTICIPATION IN EMERALD ASH BORER INCIDENT COMMAND SYSTEM EXERCISE

On March 9 and 10, 2011, approximately 60 personnel from The Connecticut Agricultural Experiment Station, in cooperation with the Connecticut Department of Environmental Protection, USDA-Forest Service, and USDA-APHIS-Plant Protection and Quarantine, participated in an Incident Command System (ICS) exercise, concerning a simulated detection of Emerald Ash Borer (EAB). The purpose of the exercise was to demonstrate and practice the ability of state and federal agencies to cooperate to address the detection of a potentially-devastating, federally regulated insect pest. The exercise was held at Ft. Trumbull in New London, with simulated finds of EAB at locations in the surrounding area. Experiment Station personnel participating in the exercise were: **MR. JEFFREY FENGLER** and **MR. STEPHEN SANDREY** (Survey Team Leaders), **MR. PETER TRENCHARD** (Regulatory Group Leader), **MR. JOSEPH P. BARSKY** (Safety Officer), **MS. TIA BLEVINS** (Ground Support Unit Leader), **DR. CAROLE CHEAH**, **MS. DIANE RIDDLE**, and **DR. RICHARD COWLES** (Survey Team Members), **DR. CLAIRE RUTLEDGE** (Scientific Support), **MS. ROSE HISKES** (Assistant Information Officer), and **DR. VICTORIA SMITH** (Agency Administrator). The exercise received coverage in print in the New London Day and on television Channel WFSB.



Aerial Survey
Aviation Safety and
Management 2011.
Sponsored by USDA
Forest Service/Forest
Health Protection, 37
participants;
including station
personnel: **MS. TIA
BLEVINS, DR.
VICTORIA SMITH
and MR. PETER
TRENCHARD,**
Harrisburg, PA,
March 29-31.



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ENVIRONMENTAL SCIENCES

DR. THEODORE ANDREADIS hosted the Annual Meeting of Multi-State Research Project NE-1043, *Biology, Ecology & Management of Emerging Disease Vectors* held at CAES and presented an update on research and surveillance activities on arboviruses and mosquitoes (March 1-2); and attended the 77th Annual Meeting of the American Mosquito Control Association held in Anaheim, CA and presented an invited symposium talk entitled *The contribution of Culex pipiens mosquitoes to transmission and persistence of West Nile virus in North America* (March 20-24).

DR. PHILIP ARMSTRONG attended the Annual Meeting of Multi-State Research Project NE-1043, *Biology, Ecology & Management of Emerging Disease Vectors* held at CAES and presented an update on research activities on arboviruses (March 1-2).

MR. GREGORY BUGBEE with Jordan Gibbons gave an *Aquatic Plant Workshop* at Three Rivers Community College in New London (March 10); spoke to a class from Southern Connecticut State University on *Soil Testing* (March 18); and with Michael Cavadini lead the *Awe-some Aquifer* event at the 2011 Science Olympiad at Hartford Academy (March 26).

DR. MELISSA HARDSTONE attended the Annual Meeting of Multi-State Research Project NE-1043, *Biology, Ecology & Management of Emerging Disease Vectors* held at CAES and presented an update on research activities on *Ochlerotatus japonicus* (March 1-2).

DR. MARK JUNE-WELLS presented a talk entitled *Water chemistry preferences of five non-native aquatic macrophyte species in Connecticut, USA* at a meeting of the New England Association of Environmental Biologists held in Sturbridge, MA (March 16).

DR. GOUDARZ MOLAEI attended the Annual Meeting of Multi-State Research Project NE-1043, *Biology, Ecology & Management of Emerging Disease Vectors* held at CAES and presented an invited talk entitled, *Discriminating Blood-Feeding Mosquitoes, Their Catholic Counterparts, and Transmission Dynamics of West Nile Virus* (March 1-2); attended the 77th Annual Meeting of the American Mosquito Control Association held in Anaheim, CA and presented an invited symposium talk entitled, *To bite or not to bite: blood-feeding patterns of the Culex pipiens complex mosquitoes in the USA* (March 22-23); and visited Orange County Vector Control District in Garden Grove, CA and discussed future research collaborations (March 22).

DR. JOSEPH PIGNATELLO presented a keynote talk entitled *Insights into dynamic events taking place during sorption of xenobiotics by NOM in Soil*, in a Workshop on Co-Evolution of Soils and Organic Substances: Links between Soil Forming Processes and the Stabilisation of Organic Substances held in Landau, Germany (March 4-6); and presented a talk entitled *Adsorption of ionizable compounds to charcoal black carbon, the example of phenolic acids* at Northeastern University, Boston, MA (March 9-12).

DR. CHARLES VOSSBRINCK attended the Annual Meeting of Multi-State Research Project NE-1043, *Biology, Ecology & Management of Emerging Disease Vectors* held at CAES and presented an update on research activities on molecular phylogeny of West Nile virus (March 1-2).



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FORESTRY AND HORTICULTURE

DR. JEFFREY WARD spoke on "Fire history and research" for the Fire Science and Policy class at Yale University (12 students) (March 1); spoke on "Advances in barberry control" at the 16th annual Forest Health Monitoring Workshop in Jones Auditorium (33 attendees) (March 3); spoke on "Crop tree management" at the CT NOFA 29th Annual Winter Conference in Manchester (7 attendees) (March 5); administered practical and oral examination to arborist candidates for the Connecticut Tree Protection Examining Board (March 9); spoke controlling invasives at Lyman Hall High School in Wallingford (4 students, 1 teacher) (March 11); gave two webinars on "Integrated Vegetation Management of barberry helps control Lyme disease" in cooperation with Cornell University (120 attendees) (March 16); spoke on "Using propane torches to control barberry" at the Flame-Weeding for Invasive Shrub Control Workshop sponsored by the USDA-NRCS in Vernon (42 attendees) (March 22); interviewed about controlling Japanese barberry by Beth Jones of Scientific American (March 23); and spoke on "Management options for Japanese stiltgrass control" at the New England Society of American Foresters annual conference in Fairlee, CT (35 attendees) (March 30).

DR. ABIGAIL MAYNARD assisted Lower School teachers at Hamden Hall Country Day School in planning a vegetable garden (March 10); and attended a Department of Agriculture workshop about the Specialty Crop Block Grant at Jones Auditorium (March 11).

DR. WILLIAM NAIL participated in a meeting of the Connecticut Farm Wine Development Council at the Department of Agriculture in Hartford (March 24); and participated in a conference call meeting of the national Grape Community of Practice (GCoP) hosted by Eric Stafne of Oklahoma State University (March 25).

DR. SCOTT WILLIAMS spoke on "It's not the heat, it's the humidity: deer ticks thrive in Japanese barberry" at the Forest Health Workshop, New Haven (35 attendees) (March 3); spoke on "It's not the heat, it's the humidity: deer ticks thrive in Japanese barberry" at the 5th Connecticut Conference on Natural Resources, Storrs (60 attendees) (March 7); staffed CAES information booth at the Escape to Spring Expo at Van Wilgen's Nursery, North Branford (March 13); spoke to the Town of Guilford Conservation Commission on ongoing Japanese barberry research in the Department of Forestry and Horticulture, Guilford (10 attendees) (March 16); attended executive meeting of the Connecticut Urban Forest Council, Middletown (March 17); presented wildlife monitoring techniques lecture at Lyman Hall High School, Wallingford (5 students, 1 teacher) (March 18); interviewed by Scientific American guest blogger Beth Jones about the relationship between Japanese barberry and blacklegged ticks: <http://www.scientificamerican.com/blog/post.cfm?id=barberry-bambi-and-bugs-the-link-be-2011-03-30> (March 23); gave invited lecture titled "Interconnectedness between a native ectoparasite, an alien invasive shrub, a native rodent and a native invasive mammal and potential impacts to humans" at the Quinnipiac Sigma Xi chapter's Albert Notation Memorial seminar series, Hamden (40 attendees) (March 31); and was awarded an \$8,500 collaborative research grant from Bobbex, Inc. to conduct an objective evaluation of commercially available and homemade deer repellents (March 15).

MR. JOSEPH P. BARSKY attended the 2011 Emerald Ash Borer Exercise Orientation at the Connecticut Fire Academy, Windsor (March 2); attended the Annual Forest Health Workshop at CAES, New Haven (March 3); spoke on "Live capture of small rodents" to students studying wildlife research techniques at Lyman Hall High School, Wallingford (6 students, 1 teacher) (March 4); spoke on "Safety YES: safe usage of flame weeding devices" during a USDA-NRCS workshop on invasive species (42 attendees) (March 22); and spoke on "Career opportunities in natural resources and environmental science" at the "From Boyz-to-Men: Opportunities for your future" event held at Southern Connecticut State University. The event, sponsored by the New Haven Public Schools, the NAACP, and Southern Connecticut State University, drew over 500 students from local high schools (25 students) (March 25).

MR. MICHAEL R. SHORT attended the Annual Forest Health Workshop at CAES, New Haven (March 3).



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Mr. Joseph P. Barsky with students at Career High School, New Haven

GRISWOLD RESEARCH CENTER

MR. ROBERT DURGY taught a University of Connecticut Master Gardener Program class on vegetables in Brooklyn (32 attended) (March 4), in Haddam (52 attended) (March 8) and in Bethel (43 attended) (March 24); gave an invited lecture for the University of Connecticut Advanced Master Gardener Program entitled Diagnosing Plant Problems (154 attended) (March 17); and presented two workshops at the CT-NOFA End of Winter Conference entitled Top Ten Vegetable Insect Pests (35 attended) and Deer Fencing for Large and Small Farms (10 attended) (March 5).

PLANT PATHOLOGY AND ECOLOGY

DR. SANDRA L. ANAGNOSTAKIS gave a talk on "Chinquapins for a change" at the Forest Health Workshop held in Jones Auditorium (~ 45 attendees) (March 3); gave a talk titled "Growing nuts" at a NOFA meeting held at Manchester Community College in Manchester (52 adult attendees) (March 5); gave a talk on "Chestnuts for food" at Ag Day at the Capitol (March 16); spoke on "Saving the Ozark Chinquapin" at the Ozark Chinquapin Foundation meeting held in Hobbs State Park in Rogers, AR (84 attendees) (March 18); and gave a talk titled "Chestnut trees for orchards and timber" at a meeting of the Maryland Chapter of The American Chestnut Foundation in Gaithersburg, MD (47 attendees) (March 26).

DR. DONALD E. AYLOR was a judge at the Connecticut Science Fair held at Quinnipiac College (10 youth attendees) (March 17); and spoke about "Aerobiology of corn pollen" to a Springfield College Plant Physiology Class at the Station (14 adult attendees) (March 28).

DR. SHARON M. DOUGLAS gave a presentation titled "Diseases in landscape plants—2011" at Planters' Choice Nursery in Newtown (62 attendees) (March 2); gave a presentation titled "Update on Canavigella needlecast of white pine" at the 2011 Forest Health Workshop held in Jones Auditorium (~ 45 attendees) (March 3); gave a presentation titled "Diseases of Christmas trees—A primer" at the Annual Meeting of the CT Christmas Tree Growers Association held at Snow School in Middletown (100 attendees) (March 5); assisted the CT Tree Protection Examining Board with giving oral exams to candidates for the Connecticut arborist license in



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New Haven (March 9); participated in the monthly meeting of the Board of Directors of the CT Tree Protective Association in New Haven (March 14); and participated in the mid-year meeting of the APS Foundation Board of Directors in St. Paul, MN (March 23-25).

DR. WADE H. ELMER attended the Northeastern Regional Extension and Academic Program Committee meeting in Simsbury (March 2); presented a talk titled "Plant pathogens and marsh crabs associated with Sudden Vegetation Dieback in Connecticut's salt marshes" at the 2011 Connecticut Conference on Natural Resources in Storrs (34 attendees) (March 7); gave a presentation titled "Role of plant pathogens in Sudden Vegetation Dieback in Atlantic salt marshes" at the Annual Meeting of the Potomac Division of The American Phytopathological Society held at Rehoboth Beach, DE (65 adult attendees) (March 9-11); participated in the Divisional Forum of APS and presented the Education initiative for high school students (9 attendees) (March 11); gave a talk titled "Earthworms and soil health" to the Branford Garden Club in Branford (23 attendees) (March 14); gave a presentation titled "Are there associations between *Fusarium* spp. and marsh crabs in salt marshes affected by Sudden Vegetation Dieback?" at the Annual Meeting of the Caribbean Division of The American Phytopathological Society in San Juan, PR (6 attendees) (March 19-22); spoke about Sudden Vegetation Dieback to a group of college students from the University of Springfield, MA (14 attendees) (March 28); and spoke about "Use of biochar to increase mycorrhizal colonization and suppress *Fusarium* crown rot of asparagus in replant soils" to the Climate, Energy, Biochar and Agriculture Seminar Series at the University of Massachusetts in Amherst, MA. Dr. Elmer was also awarded a plaque for being a guest speaker at the event (44 attendees) (March 31).

MS. MARY K. INMAN gave a talk on "Fruit trees in the home garden" at the Case Memorial Library in Orange (16 adults and 1 youth attended) (March 28).

DR. YONGHAO LI gave a lecture on "Diseases of trees" to the Arboriculture 101 class in Stamford (15 attendees) (March 3).

DR. ROBERT E. MARRA served as a member of the Steering Committee and presented two talks, the first titled "The Sudden Oak Death pathogen, *Phytophthora ramorum*: are Connecticut's forests at risk?" (50 adult attendees), and the second titled "A new species of *Fusarium*: *F. palustre*, a pathogen of *Spartina alterniflora* associated with wetland dieback in eastern marshes" (34 adult attendees) at the 5th Connecticut Conference on Natural Resources held in Storrs (March 7); participated in the CPR/AED training in Jones Auditorium (March 25); and traveled to the University of Massachusetts in Amherst, MA, to attend the Ph.D. dissertation defense of Nicholas Brazee, a graduate student with Dr. Robert Wick. Dr. Marra was a member and advisor on Mr. Brazee's committee (March 31).

VALLEY LABORATORY

DR. CAROLE CHEAH participated in training for Emerald Ash Borer Incident Management Team (IMT) (March 2) at the Connecticut Fire Academy, Windsor Locks, and in a simulation exercise for detection of EAB at Fort Trumbull, (March 10); and gave an update on CT's biological control program for mile-a-minute invasive weed at the Forest Health Monitoring Workshop at New Haven (March 3) (50 attendees).

DR. RICHARD COWLES presented "Managing armored scales" to the North Carolina Christmas Tree Growers' Association meeting in Boone, NC (100 attendees) (March 4); presented "Insect and mite management" to the CT Christmas Tree Growers' Association in Middletown, CT (80 participants) (March 5); discussed "Foliar insect pests," directed a laboratory exercise on the same subject, and then presented "Calibrating your sprayer" at the New England Christmas Tree Growers' Workshop in Keene, NH (March 16 and 17); and gave a webinar on "Black vine weevils" for the North American Strawberry Growers' Association (March 25).

DR. JAMES LAMONDIA examined candidates for the Connecticut arborist license and



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participated in the quarterly meeting of the Connecticut Tree Protection Examining Board in New Haven, CT (March 9); taught a class on identification, biology and management of tree diseases to students in the Connecticut Tree Protective Association's Arboriculture 101 class in New Haven (March 9) (45 persons); participated in a meeting of the Connecticut Agricultural Information Council to select the Connecticut Outstanding Young Farmer Award winner and prepare for Ag Day at the Capital (March 10); spoke about 'Nematodes and root rot diseases' during a webinar for the North American Strawberry Growers Association (March 25); spoke about research and services at the Valley Laboratory and science as a career to a Girl Scout group from Avon CT (7 people) (March 25); and was interviewed by Michael Zacchea, graduate student in Business and Research Analyst for the Connecticut Center for Entrepreneurship and Innovation (and two colleagues from Business and Engineering) at the University of Connecticut to discuss about tobacco culture and the potential use of biochar in tobacco production (March 29).

DR. TODD L. MERVOSH spoke about weed management for Christmas tree fields at the Conn. Christmas Tree Growers' Assoc. annual meeting in Middletown (~ 70 attendees) (March 5); presented research (co-authors: **DR. JEFFREY S. WARD** and **MR. JOSEPH P. BARSKY**) on "Management options for Japanese stiltgrass (*Microstegium vimineum*) incursions" at the Connecticut Conference on Natural Resources at UConn in Storrs (~ 30 attendees) (March 7); served on the scholarship selection committee for the Conn. Nurserymen's Foundation at two meetings at the Valley Laboratory in Windsor (March 15 and 30); and participated in a steering committee meeting (14 attendees) and a general meeting (60 attendees), at which he served on a panel discussing vegetation management, of the Conn. Invasive Plant Working Group at the Valley Laboratory (March 30).

JOURNAL ARTICLES APPROVED MARCH 2011

- Cheah, Carole A.** and J. Grant. 2011. Chapter 4. *Sasajicymnus tsugae* – a ladybeetle from Japan. In: USDA Forest Service FHTET Pub. "Implementation and Status of Biological Control of Hemlock Woolly Adelgid
- Douglas, Sharon M.** Common problems of rhododendron and azalea. CAES Fact Sheet
- Douglas, Sharon M.** Common problems of mountain laurel. CAES Fact Sheet
- Gent, Martin P. N.** Composition of hydroponic lettuce: effect of plant size, season, and time of day. HortScience (Abstract)
- Gent, Martin P. N.** Composition of hydroponic lettuce: Effect on plant size, season, and time of day. Journal of Science Food Agriculture
- Hardstone, Melissa C. and **Theodore G. Andreadis.** Influence of weak interspecific larval competition between the invasive mosquito *Ochlotatus japonicas japonicas* (Diptera:Culicidae) and other container-inhabiting mosquitoes. Journal of Medical Entomology
- Hoban, S. M., T. S. McCleary, S. E. Schlarbaum, **Sandra Anagnostakis,** and J. Romero - Severson. Human impacted landscapes facilitate hybridization between a native and an introduced tree. Evolutionary Applications
- Keena, M. A., R. T. Trotter, **Carole A. Cheah,** and M. Montgomery. (2011). Temperature requirements to break the egg diapause of *Scymnus amptodromus*. Abstract for a poster in Proceedings, 22nd USDA Interagency Research Forum on Invasive Species 2011
- LaMondia, James A.** Efficacy of Azoxystrobin against sore shin of tobacco caused by *Rhizoctonia solani*
- LaMondia, James A.** Connecticut River Valley Blue Mold Web Page. CAES Website



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[URL:http://www.ctvalleytobacco.org](http://www.ctvalleytobacco.org)

- LaMondia, James A.** Plant parasitic nematodes in irrigation water. Chapter 10 in: Plant pathogens in Irrigation Water; APS Press
- Maier, Chris T.** Brown marmorated stink bug—A new invasive pest of crops has arrived! Crop Talk (Newsletter)
- Maynard, Abigail A.** The Connecticut Agricultural Experiment Station Investigates New Specialty Crops. CT Weekly Agricultural Report
- Nail, William R.** Effect of graft union height on vine performance and winter survival of chardonnay grapevines. American Journal of Enology and Viticulture
- Smith, Victoria L.** TCD: The latest addition to the alphabet soup. The Connecticut Arborist
- Ward, Jeffrey S. and Todd L. Mervosh.** Non-chemical and herbicide treatments for management of Japanese stiltgrass. Invasive Plant Science and Management
- White, Jason C., Walter J. Krol, Brian D. Eitzer, S. Kinney, and J. Fontana.** Simultaneous surveillance of food products for chemical and microbial contamination. Abstracts from the 2011 FERN National Training Conference
- White, Jason C., Brian D. Eitzer, Terri Arsenault, Walter J. Krol.** Role of the CT Agricultural Experiment Station Department of Analytical Chemistry in the Deepwater Horizon Oil Spill Response. Abstracts from the 2011 FERN National Training Conference
- White, Jason C.** Nanomaterial contamination of agricultural crops. Abstract submitted to 43rd IUPAC Congress

THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION

Main Laboratories
123 Huntington Street
New Haven, CT 06511-2016
Phone: 203-974-8500

Valley Laboratory
153 Cook Hill Road
Windsor, CT 06095-0248
Phone: 860-683-4977

Lockwood Farm
890 Evergreen Avenue
Hamden, CT 06518-2361
Phone: 203-974-8618

Griswold Research Farm
190 Sheldon Road
Griswold, CT 06351-3627
Phone: 860-376-0365

*Putting Science to work
for Society.*



WWW.CT.GOV/CAES



Entrance to The Connecticut Agricultural Experiment Station in New Haven on Huntington Street



Main Laboratories, New Haven



Lockwood Farm, Hamden



Griswold Research Center, Griswold



Valley Laboratory, Windsor

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Back and Current issues of Station News are located on our website at <http://www.ct.gov/caes/cwp/view.asp?a=2826&q=378188>

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P.O. Box 1106, New Haven, CT 06504, or call (203) 974-8440. CAES is an affirmative action/equal opportunity provider and employer. Persons with disabilities who require alternate means of communication of program information should contact the Chief of Services at (203) 974-8442 (voice); (203) 974-8502 (FAX); or Michael.Last@ct.gov (E-mail).

Did you know that there are thirteen different invasive aquatic plant species that currently infest Connecticut lakes and ponds?