

Pesticide Recertification Conference

Thursday, February 16, 2012

National 4-H Youth Conference Center
7100 Connecticut Avenue
Chevy Chase, MD 20815



*Everything you
need to know
from the region's
experts.*

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Learn from industry experts how to:

- Cut costs
- Improve efficiencies and safety
- Implement new technologies
- Use the latest control strategies
- Stay compliant with new regulations

Take advantage of the BEST opportunity to

- Recertify in Maryland, D.C., Virginia and West Virginia
- Earn CEU Credits
 - Landscape Industry Certified/Certified Landscape Technicians
Earn CEUs for re-certification.
 - ISA-Certified Arborists
Call the LCA Office to obtain the number of credits received for this program.

Pesticide Recertification Categories

MARYLAND

- III A Ornamental Plant Exterior
- III B Ornamental Interior
- III C Turf
- V Aquatic
- VI Right of Way and Weed
- X Demonstration and Research

VIRGINIA

- 3-A Ornamental Pest Control
- 3-B Turf Pest Control
- 5-A Aquatic Pest Control
- 6 Right of Way Pest Control
- 10 Demonstration & Research Pest Control
- 60 Registered Technician

DISTRICT of COLUMBIA

- 3A: Exterior Ornamental
- 3B: Lawns and Turf
- 3C: Interior Ornamental Plants
- 5B: Aquatics
- 6C: Right of Way Control
- 7F: Industrial Weeds

Schedule-at-a-Glance *(as of October 17, 2011)*

7:00 am – 4:05 pm	Registration and Tabletop Exhibits
8:00 am – 8:45 am	There's a Sucker Born Every Minute <i>Michael J. Raupp, Ph.D. – University of Maryland</i>
8:50 am – 9:35 am	Understanding Your Sprayer & Cutting Your Pesticide Costs <i>Randy Zondag – Ohio State University Extension</i>
9:35 am – 9:50 am	Break
9:50 am – 10:35 am	Acelepryn®: New Technology for Turf and Ornamental Insect Control <i>Charles A. Silcox, Ph.D. – DuPont Professional Products</i>
10:40 am – 11:25 am	Brown Marmorated Stink Bug Update <i>Stanton Gill – University of Maryland Cooperative Extension</i>
11:30 am – 12:10 pm	Pesticide Labels: Reading the Fine Print <i>Chuck Schuster – Extension Educator, Horticulture, Montgomery County Extension</i>
12:15 pm – 1:00 pm	Lunch
1:00 pm – 1:45 pm	Impact of Sound Cultural & Chemical Management Strategies on Important Landscape Turf Diseases in the Mid-Atlantic <i>Bruce B. Clarke, Ph.D. – Rutgers, The State University of New Jersey</i>
1:50 pm – 2:30 pm	Vegetation Control <i>Randy Zondag – Ohio State University Extension</i>
2:30 pm – 2:40 pm	Break
2:40 pm – 3:25 pm	Managing Aquatic Plants and Algae in Ponds & Lakes <i>Bryan Swistock – Penn State University</i>
3:30 pm – 4:15 pm	Pesticide Regulations Update for 2012 <i>Ed Crow – Maryland Department of Horticulture</i> <i>Alvin M. Harris, Sr. – The District of Columbia Department of the Environment</i>

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Schedule of Events *(as of October 17, 2011)*

7:00 am–4:05 pm Registration and Tabletop Exhibits

8:00 am–8:45 am **There's a Sucker Born Every Minute**

Michael J. Raupp, Ph.D.—University of Maryland



Aphids, scales, adelgids... Sucking insects create myriad problems on both woody and herbaceous plants in the landscape. This presentation will focus on the biology and management of sucking insects including chemical and non-chemical controls.

Dr. Michael Raupp has published more than 150 articles and presented more than 600 invitational talks in the United States and abroad on the ecology and management of insect and mite pests in landscapes. He has received five regional or national awards for excellence in extension including the Secretary of Agriculture's Award for Environmental Protection. He is a regular guest on radio and television and conducts workshops, short courses, and conferences for members of the green industries. He works closely with arborists, urban foresters, and the public to develop effective and environmentally acceptable methods of pest management.

8:50 am–9:35 am **Understanding Your Sprayer & Cutting Your Pesticide Costs**

Randy Zondag—Ohio State University Extension



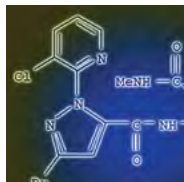
Many people who apply pesticides can easily cut their pesticide costs in half or more. To do this you must understand the limitation of your sprayer and be able to determine coverage. This session will focus on calculating liquid spray volumes, understanding your sprayer, and demonstrating software that will help you determine coverage and drift potential. You can cut your spray rates in half if you understand coverage versus dose.

A native to Wisconsin, Randy Zondag has been working with the Lake County nursery industry for the past 28 years. His teaching and Extension program has emphasized Integrated Pest Management in the nursery and green industry. In the past several years the program has been working with the USDA-ARS Spray Technology Group out of Wooster, Ohio. Working with their researchers, a strong program has come about which has helped nurseries and agricultural firms using air-assisted sprayers reduce pesticide applications by up to 50% and the program has been repeated in many Midwest states. Randy was the 2007 American Nursery and Landscape Association's Nursery Extension award winner.

9:35 am–9:50 am Break—Please visit the Exhibits

9:50 am–10:35 am **Acelepryn®: New Technology for Turf and Ornamental Insect Control**

Charles A. Silcox, Ph.D.—DuPont Professional Products



This session will focus on the technical attributes of Acelepryn® insecticide, new turf insect control strategies, and new ornamental insect control strategies. In addition, learn about the EPA Reduced Risk Designation for Turf Applications and how to target multiple insects with one early season application.

Dr. Charles Silcox, Turf & Ornamental Product Development Manager, DuPont Professional Products, has more than 25 years of industry experience developing advanced pesticide products and the majority of his career has been spent in the Green Industry. Dr. Silcox earned his B.S. from the University of Delaware and received his M.S. and Ph.D. from Rutgers University. During his time in the Green Industry, he has helped to develop some of the leading turf products, including the Acelepryn®, Advion® and Provaunt™ brands as well as bifenthrin and imidacloprid products. Dr. Silcox has made hundreds of educational and training presentations throughout the country and recently collaborated with Dr. Patricia Vittum of the University of Massachusetts to create a seminar on turf insecticide modes of action and resistance management.

10:40 am–11:25 am **Brown Marmorated Stink Bug Update**

Stanton Gill—University of Maryland Cooperative Extension



The BMSB has taken the United States by storm. At first we thought it was just a nuisance bug. Now, we realize it is impacting home gardens and fruit planting, several woody plants, as well as herbaceous plants in landscapes. Explore what research has developed over the last year to help combat this increasingly troublesome pest.

- Do traps work?
- What are the best and safest pesticides?
- Status of parasitoid releases for control

Stanton Gill is an Extension Specialist in IPM and Entomology with the University of Maryland Extension. He is also a professor in Landscape Technology at Montgomery College. Author of four books and over 800 refereed and professional magazine articles on pests and using IPM to deal with them.

11:30 am–12:10 pm **Pesticide Labels: Reading the Fine Print**

Chuck Schuster—Extension Educator, Horticulture, Montgomery County Extension



Pesticide labels not only contain information on mixing and loading, there are also many other parts of the label that an applicator needs to review. These include: personal protective equipment, collateral labeling requirements, storage and disposal, site selection or pests.

Chuck Schuster is the Commercial Horticulture Extension Educator for the University of Maryland Extension, Montgomery County office. Chuck works with a wide variety of horticulture including the Pick Your Own Fruit and Vegetable farmers, greenhouse, nursery and landscape producers. Chuck's research has included several Nursery Nitrogen Fertilization Trials studying the effects of different rates of nitrogen fertilizer on insect activity and tree growth, Soil Removal Rates from Nursery Tree Harvesting and Brown Marmorated Stink Bug Trap Trials. He earned a B.S. in Agriculture from the University of Maryland and an M.S. in Education from McDaniel College. Prior to coming to Extension work, Chuck taught high school vocational agriculture in Westminster, Maryland.

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Schedule of Events *continued*

12:15pm–1:00pm Lunch

1:00pm–1:45pm

Impact of Sound Cultural & Chemical Management Strategies on Important Landscape Turf Diseases in the Mid-Atlantic

Bruce B. Clarke, Ph.D.—Rutgers, The State University of New Jersey

Attendees will learn about the latest cultural and chemical management strategies for the control of major landscape turf diseases in the mid-Atlantic. The presentation will focus on the identification and control of common landscape turf diseases including dollar spot, summer patch, brown patch, pythium blight, rust and red thread. Emphasis will be placed on research based studies to highlight important disease control concepts and how sound cultural practices such as maintaining proper fertility, soil pH, and irrigation can decrease disease severity and reduce fungicide usage.

As Director of the Rutgers Center for Turfgrass Science, Dr. Bruce Clarke is responsible for providing leadership to foster internationally recognized research; undergraduate, graduate and continuing professional education; and service programs in support of the turfgrass industry. Dr. Clarke is an authority on the identification and control of foliar and root-infecting fungi associated with turfgrass diseases in North America. He is also well known for his work on anthracnose disease and the development of integrated disease control strategies to reduce pesticide usage. Dr. Clarke has published three books on turfgrass pathology and has authored over 200 articles for professional journals and trade magazines. He has recently received the John Reid Lifetime Achievement Award from the METGCSA, the Distinguished Service Award from the GCSANJ, the New Jersey Turfgrass Association's Hall of Fame Award, and the Weisblat Award for Excellence in Research, Teaching and Outreach. Dr. Clarke is a fellow of the American Society of Agronomy and the Crop Science Society of America, and is a frequent speaker at educational conferences throughout the United States, Australia, China, Europe, and Japan.



1:50pm–2:30pm

Vegetation Control

Randy Zondag—Ohio State University Extension

Vegetation control is a matter of understanding what plants you need to control and what method you need to use. This session will look at chemical control and product selection and timing.

See bio on page 3.



2:30pm–2:40pm

Break – Please visit the Exhibits

2:40pm–3:25pm

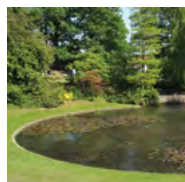
Managing Aquatic Plants and Algae in Ponds & Lakes

Bryan Swistock—Penn State University

This session will focus on:

- Proper water testing, inspection and measurement of ponds and lakes
- Why aquatic plants grow abundantly in some ponds and lakes
- How to identify common nuisance aquatic plants, especially non-native invasive plants
- Methods to reduce nutrients that cause excessive growth
- Physical, biological and chemical approaches to control aquatic plants

Bryan Swistock is a Water Resources Specialist in the College of Agricultural Sciences, School of Forest Resources at Penn State University. He received a bachelor's degree in Environmental Health from Indiana University of Pennsylvania and a master's degree in Environmental Pollution Control from Penn State University. For the past 23 years he has conducted research, teaching and extension programs on water resources issues throughout Pennsylvania. Bryan currently organizes and presents pond and lake management workshops including the online pond management course and he coordinates the Penn State Pond and Lake Water Testing Program through the Agricultural Analytical Services Laboratory. He has also authored dozens of pond management fact sheets and publications through Penn State Cooperative Extension.



3:30pm–4:15pm

Pesticide Regulations Update for 2012

Ed Crow—Maryland Department of Horticulture

Alvin M. Harris, Sr.—The District of Columbia Department of the Environment

In this session, participants will receive updates on new/proposed state and federal pesticide regulations.

Ed Crow has been employed with the Maryland Department of Agriculture, Pesticide Regulation Section since October 1981. Since 1989, Ed has been in charge of Maryland's pesticide applicator Licensing, Certification and Training programs, the educational and public outreach programs, and the development of the U.S. Environmental Protection Agency's (EPA) pesticide grant. In addition, he has also been responsible for coordinating Maryland's Urban IPM program with the primary emphasis placed on Maryland public schools. Ed has also been involved with EPA's Certification & Training Assessment Group (CTAG) and has participated in special training sessions for EPA staff regarding licensing, certification and how pesticides are regulated on the state level.

Alvin Harris has been employed with the District of Columbia Pesticide Program since January 1994. Prior to this, he worked in the area of plant and animal quarantine, gypsy moth rearing for the production of nuclear polyhedrosis virus, and landscape Integrated Pest Management. Alvin received a M.Sc. degree in Applied Entomology from the University of Newcastle Upon Tyne, Newcastle Upon Tyne, England in 1990.



No ifs, ands or bugs about it—register today!

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Registration Form

2012 LCA Member Yes No

Firm Name _____

Address _____ City _____ State _____

Contact Name _____

Contact Phone _____ Contact Email _____

Attendees

Name _____ Name _____

Email _____ Email _____

Application Permit Number _____ State _____ Application Permit Number _____ State _____

Vegetarian Other _____
 Require special accommodations
(attach written description)

Name _____ Name _____

Email _____ Email _____

Application Permit Number _____ State _____ Application Permit Number _____ State _____

Vegetarian Other _____
 Require special accommodations
(attach written description)

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Vegetarian Other _____
 Require special accommodations
(attach written description)

Name _____ Name _____

Email _____ Email _____

Application Permit Number _____ State _____ Application Permit Number _____ State _____

Vegetarian Other _____
 Require special accommodations
(attach written description)

SAVE! Register & Pay By February 3

Registration Fees

By Friday, February 3 After Friday, February 3
 Members\$80 Members\$105
 Non-members...\$105 Non-members...\$130

Register for this event by

Online www.lcamddcva.org/programs/recertification.cfm

Mail 9707 Key West Avenue, Suite 100
Rockville, MD 20850

Phone 301-948-0810 **Fax:** 301-990-9771

PREPAYMENT IS REQUIRED FOR ADVANCED REGISTRATION

Refunds / Cancellations

Written cancellations received prior to February 3, 2011 are subject to a 15% cancellation charge. Substitutions will be accepted. No refunds will be given after February 3, 2011. No refunds will be given due to inclement weather.

Payment Options

Amount Enclosed\$ _____

Check enclosed made payable to LCA

MasterCard VISA

Card # _____

Exp. Date (mm/dd/yy) _____ Security Code _____

Name on Card _____

Signature _____

Return Application and Payment to

Landscape Contractors
Association MD • DC • VA
9707 Key West Avenue, Suite 100
Rockville, MD 20850

P: 301.948.0810

E: lca@mgmtsol.com

F: 301.990.9771

W: www.lcamddcva.org