Chesapeake Green 2018
AN ANNUAL HORTICULTURE SYMPOSIUM
A premiere two day industry-wide education and pesticide recertification conference

Tuesday, February 20 and Wednesday February 21
Maritime Institute
Linthicum Heights, MD

FEATURING
• Keynote Speaker, Rodney Eason
• Engaging Breakout Sessions
• Pesticide Recertification
• Vendor Showcase and Networking
• MNLGA Scholarship Fund Annual Silent Auction

Celebrating Our 15th Year

Three ways to register by fax, mail or online at www.mnlga.org
Calling all Horticulture Professionals...Join us for Chesapeake Green 2018 – A Horticulture Symposium!

Chesapeake Green, as it is known within the industry, is a two-day event packed full of engaging and informative horticulture education. The symposium will be held on February 20 and 21, 2018 back at the Maritime Institute. We are proud to be celebrating Chesapeake Green’s 15th year! We are confident that many of you are happy with the move back to the Maritime if for nothing else, the OUTSTANDING lunch! Come for the great education and enjoy the networking, vendor showcase, and silent auction (to benefit scholarship).

On Day 1, February 20th, Rodney Eason, CEO of the Mount Desert Land & Garden Preserve, will be serving double duty – presenting the keynote, explaining the rich history of the Preserve and it’s plans moving forward as well as an industry break out session, “Plant and Design the Garden That You Have Always Wanted to Visit.” Rodney, a native of North Carolina is bringing his southern charm and expansive industry knowledge to our conference. The MNLGA is proud to have Rodney at Chessey 2018.

Following Rodney’s keynote, attendees will have the option of participating in any of four concurrent educational tracks, generally divided into nursery grower, greenhouse grower, landscape contractor, and retail garden center. These concurrent tracks are full of industry-relevant information for all levels of employees as well as new dynamic speakers that present different takes on industry topics.

Return for Day 2 on February 21st for full ornamental horticulture pesticide recertification PLUS nutrient management certification and Maryland’s turf management recertification.

- Pesticide recertification credits have been applied for in the following states: MD, VA, WV, PA, and DC.
- MDA Pesticide Credits
  - Day 1: 8 credits - Private, 2, 3A, 3B, 3C, 6 and 10
  - Day 2: 8 credits - Private, CORE, 3A, 3B, 3C, 6, 7A and 10

Additional credits applied for include:
- MDA (Nutrient Management, PFA, Turf...etc.) – Pending
- MD Licensed Tree Expert - Pending
- ISA – Pending
- MD Certified Professional Horticulturist – 1 CEU for each day attended

- Chesapeake Bay Landscape Professional – Multiple sessions approved for CEU’s. Posted on the MNLGA website
- Once finalized, all credits will be posted on the MNLGA Chesapeake Green webpage, www.mnlga.org.

See our webpage, www.mnlga.org – select the Chesapeake Green tab - for more details. This webpage includes all conference materials, including session descriptions, speaker biographies, hotel information, directions, registration materials, sponsor listings, sponsor web-links, and more.

Hotel reservations may be made at the conference facility, the Maritime Institute and Conference Center. Call 866-900-3517 or make reservations online at www.mccbwi.org. The room rate is $140 per night plus taxes and includes a full dinner and breakfast. Use the conference group name ‘MNLGA’ and mention the Chesapeake Green conference.

Registration

Please pre-register by February 2, 2018. You may also register online at www.mnlga.org, select the Chesapeake Green tab.

Company (please print) ___________________________________________ Address ___________________________________________
City __________________________ State _______ Zip ________________
Phone __________________________ E-mail ______________________________

Registration is $100 for MNLGA members per person per day. Registration for non-members by February 2nd is $125. Late registration (anyone after February 2nd) and walk-ins $125 per person per day. Lunch and snack breaks are included. (Please let the MNLGA office know if you have any dietary restrictions.)

Names of Registrants

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<th>Track*</th>
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*Indicate preferred Day 1 Track: R: Retail; G: Greenhouse, N: Nursery, L: Landscape;
**Indicate preferred Day 2 Track: N/L: Nursery Grower and Landscape Contractor;

Total Enclosed: $_____________________

Credit Card Payment: □ Visa □ MasterCard Card # ___________________________ Exp. date _______ Security Code (3 digits) _____________
Billing address of card: ______________________________________________________

Signature: (All credit card charges require a signature)

Please make check payable to: MNLGA and mail to P.O. Box 726, Brooklandville, MD 21022
Fax registration with credit card information to: 410-296-8288. Questions? Please call the MNLGA Office at 410-823-8684.

Please note if your company is a member of the MNLGA, all employees receive the member discount pricing. In the event that the total amount due is miscalculated, the MNLGA will adjust the amount and charge the registrant for the corrected amount. Sorry, there are no refunds after February 2.
Day 1 – February 20, 2018

7:30 – 8:15 a.m.
Registration and Continental Breakfast
Vendor networking and preview the silent auction.

Opening Remarks

8:15 – 8:30 a.m.
Opening Remarks, Ms. Jessica Todd – MNLGA President

Keynote

The Mount Desert Land & Garden Preserve

8:30 - 9:40 a.m.
Mr. Rodney Eason, Mount Desert Land & Garden Preserve

Forty-seven years since envisioned by our founders, the Land & Garden Preserve is coming together in 2018 as one entity. David and Peggy Rockefeller, in 1971, started the idea to preserve their family’s garden and lands adjacent to Acadia National Park for future public enjoyment. Now, their vision has grown to include over 1,200 acres of natural areas and three distinct, historic gardens. Join Rodney Eason during this presentation as he gives a historical overview of these majestic lands and gardens, what the Preserve is doing today to maintain these gifts, and where they are beginning to look in the future for conservation, restoration, and adaptation.
Nursery Grower

IPM in a Production Nursery: Moving From Theory to Practical
10:00 - 10:55 a.m.
Mr. Steve Black, Raemelton Farm
Ms. Melissa Harmel, Raemelton Farm

Integrated Pest Management (IPM) is easy to describe in a classroom but implementation is a different story. This session will explain both Raemelton Farm’s Certified Organic and conventional IPM programs. The speakers will cover the difficulties of moving academic theories into the hard reality of a production nursery. Raemelton’s strategies for dealing with several common Mid-Atlantic pests will also be covered. Finally, the session will examine the economic realities behind a production nursery IPM program.

Plant and Design the Garden That You Have Always Wanted to Visit
(Joint session with Landscape Contractor)
11:00 - 11:55 a.m.
Mr. Rodney Eason, Mount Desert Land & Garden Preserve

Do you have a grand vision for a garden but not sure where to begin? Whether you are designing a garden for a client or for yourself, do not hesitate to steal good ideas from other gardens. Rodney Eason will take you on a visual tour of some of his favorite gardens around the world and explain which inspirational elements you should consider including when designing your own landscape.

Tree Production, Within and Beyond the Nursery Gates
1:05 - 2:00 p.m.
Mr. Keith Sacre, Barcham Trees

This talk will focus on containerised tree production at Barcham Trees, the largest containerised tree nursery in Europe. Keith will then examine how the nursery has moved beyond conventional tree nursery involvement into urban forestry. Discussion will also revolve around the production of a new British Standard, BS 8545. This new standard, trees from nursery to independence in the landscape, as well as the development and implementation of a voluntary biosecurity policy, and the development of a nursery benchmark system and several other initiatives unique to Barcham Trees will be discussed. The session will conclude with a discussion as to why a wide understanding of tree nursery production methods and the setting of the highest possible standards are critical if resilient and sustainable urban forests are to be maintained into the future.

New Trees, Shrubs, Vines, and Perennials for the Mid-Atlantic Gardens
(Joint session with Landscape Contractor)
2:15 - 3:10 p.m.
Mr. Andrew Bunting, Chicago Botanic Gardens

Andrew Bunting of the Chicago Botanic Garden will discuss new and exciting species and cultivars of trees, shrubs and vines for Mid-Atlantic Gardens. Ornamental attributes, as well as a discussion on cultural requirements will be presented.

Rose Rosette Disease: Management and Research
3:15 - 4:10 p.m.
Dr. David Byrne, Texas A & M University

Rose rosette disease has caused large scale death of roses in the Midwest and eastern states of the USA. It is caused by the Rose Rosette Virus, which is transmitted by a small eriophyid mite. Although the disease has been known since the 1940’s, its causal agent (RRV) was first described in 2011. Since then, there has been much progress in developing better diagnostics, understanding the biology of the virus-mite complex, and in the search for resistant roses, which is leading to better management strategies of this devastating disease.
Landscape Contractor

The Biltmore Estate: IPM at America’s Largest Home
10:00 - 10:55 a.m.
Mr. Bill Quade, The Biltmore Company

For over 100 years, The Biltmore Estate has been a welcome oasis from the modern, hectic life of everyday America. Come and learn how we have been using IPM during this time to preserve one of Fredrick Law Olmsted’s most magnificent masterpieces. You will learn about the early history of the Estate and how decisions made then are still impacting our IPM practices today. We will also discuss current practices and how we accomplish our IPM program while minimizing impacts to the 1.4 million guests that visit annually.

Green Walls: Live & Breathe Easy!
1:05 - 2:00 p.m.
Mr. Ray Greenstreet, Greenstreet GreenWalls

On the cutting edge of design, green walls – also known as bio walls, eco-walls or living walls, transform the look, feel and health of both commercial and residential environments. Aesthetically dramatic, eco-friendly green walls are functional works of art. Interior walls improve air quality, regulate temperatures, reduce noise, and save energy. Exterior walls reduce wind impact, protect building façade, and bring nature to an urban environment. Each green wall is an individual art piece, custom designed for any space and purpose.

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Milkweeds of Maryland
3:15 - 4:10 p.m.
Dr. Sara Tangren, UME HGIC

Dazzle your clients with a landscape that contains milkweeds! Not only are they the hostplant of the Monarch butterfly, they provide nectar for many other fascinating pollinators, too. In this presentation, you’ll learn about the 12 milkweed species native to Maryland, their landscape uses, and horticultural requirements.

What Growers Will be Growing and What Garden Centers Should be Selling for 2018 (Joint session with Retail Grower and Garden Center)
11:00 - 11:55 a.m.
Mr. Brett Karp, Griffin GHSE
Mr. Paul Hartnett, Proven Winners PVG
Mr. Ray Greenstreet, Greenstreet Growers

Join our panel of horticulture professionals, Brett Karp, Paul Hartnett, and Ray Greenstreet as they reveal the new trends and varieties ready for market. This session will take a look at what’s new and HOT for your spring sales including both seed and vegetable material. Many breeders will be covered including: Proven Winners, Selecta, Ball, Syngenta Flowers, Sakata, and PanAmerican.

Greenhouse Grower

Light-Emitting Diodes: Learn the Latest Applications and Plant Responses
10:00 - 10:55 a.m.
Dr. Roberto Lopez, Michigan State University

Light-emitting diodes (LEDs) are increasingly being installed in commercial greenhouses for a variety of applications. Roberto will highlight the results of LED research conducted at Michigan State University (MSU) from regulating photoperiod (control flowering), increasing the daily light integral (increasing growth, quality, and yield) to increasing leaf color (anthocyanin) in leafy green. He will also help you determine whether LED supplemental or photoperiodic lighting is right for your operation by considering important factors that impact return on investment.

What’s New With DOT: Are You in Compliance?
1:05 - 2:00 p.m.
Mr. Mike Gonder, MGSafer Services, LLC
Mr. John Murphy, Murphy John’s, Inc.
Mr. Bernie Kohl, Angelica Nurseries, Inc.

With all the changes going on at USDOT/FMCSA are you in compliance with the maze of regulations? What is your company SMS Score? Are you confused regarding Electronic Logging devices? Required hours of service records, DOT driver qualification files, driver physical requirements or maybe you’re not sure as to your company driver hiring practices and training, drug and alcohol rules and regulations. If you have any concerns regarding any of the above you will not want to miss this presentation.

Slow Sand Filtration in the Greenhouse
2:15 - 3:10 p.m.
Mr. Bob VanWingerden, Catoctin Mtn Growers

The solution to the availability and quality of water was met by adapting an old technology to our business. Slow sand filtration has been around since the early 1800’s but has not yet been used extensively in the greenhouse industry for irrigation purposes. Catoctin Mtn Growers has been using their SSF since February of 2017 with good results. Join Bob VanWingerden as he goes over the details of their construction and the reason he decided to go to this technology for the irrigation needs of Catoctin Mtn Growers.
Greenhouse Climate Control That Promotes Plant Growth
3:15 - 4:10 p.m.
Mr. Charles Bauer, Flowers by Bauers

This session will cover how to control the greenhouse climate in the air and substrate that promotes an active transpiration stream for high quality plant growth. Topics such as vapor pressure deficit, daily light integral, and dew point and how these factors influence trends in decision making for optimization of the greenhouse climate will be discussed.

Retail Grower and Garden Center

Buying, Shipping and Selling Houseplants and Tropicals
10:00 - 10:55 a.m.
Ms. Carrie Engel, Valley View Farms

Who wouldn’t love a trip to Florida every month or so to buy houseplants? We can dream right? This session will cover some ways Valley View has been able to get results without the travel miles (for us, not the plants). Meet the plants, brokers and growers of some of the best Florida has to offer. Additionally, get a Hurricane Irma update as it relates to plant availability.

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Higher Sales Begin With a Better Retail Environment
1:05 - 2:00 p.m.
Dr. Bridget Behe, Michigan State University

Today’s consumer takes less than 5 seconds to decide to buy. What can growers, wholesalers, and especially retailers do to help capture attention and improve the odds of purchase? Recent research high-tech eye-tracking devices show what consumers saw and didn’t see in the retail garden center displays. Signs, brands, sales staff, and displays all have a role. Come learn how to build a better sales floor so you can grow your sales.

Cash Registers Buzzing? How to Effectively Market Pollinator-Benefit Plants, Products, and Services
2:15 - 3:10 p.m.
Dr. Bridget Behe, Michigan State University

With great recent concern over the number of pollinators, consumers’ interests are quite high for plants and products to benefit pollinators. Dr. Behe will share some research-based insights about marketing for pollinators and profits.

Tough Plants for Tough Environments
3:15 - 4:10 p.m.
Ms. Sandy McDougle, Sandy’s Plants, Inc.

What’s your answer when your customer asks you, “What can I plant that will grow in my (anywhere) and be successful?” Sandy will give you her answers based on years of experience and experimenting in her own gardens as well as from discussions with the many landscapers and designers who visit the nursery looking for plants that will work in difficult landscapes. Whether it is wet soil, dry shade, clay soil, or some combination of issues, Sandy has found there are plants that will work.
Category 3 – Ornamentals and Turf Pest Management

All Commercial Applicators must attend the 3:00 pesticide recertification update to receive pesticide recertification credits.

Tricks of the Trade: Diagnostic Tools and IPM Planning for Diseases of the Landscape
8:10 - 9:00 a.m.
Dr. Joe Roberts, University of Maryland

Landscapes in the Mid-Atlantic are diverse, with many cool and warm season grasses utilized throughout the region. In addition to multiple grass species in our region, there are multiple fungal pathogens that can quickly develop as a significant issue. This presentation will cover common diseases observed in the landscape, characteristic diagnostic tools for each pathogen, and what management actions can be quickly implemented should a disease develop at your site. IPM planning will cover cultural management tools such as nutrient and irrigation management in addition to possible chemical control to suppress pathogen development.

Ticks: Dealing With Them in the Nursery and Landscape
9:00 - 9:50 a.m.
Ms. Emily Zobel, University of Maryland Extension

Ticks are major nuisance pests, whose feeding habits can affect your health and your business bottom line by costing you and your employees time and money. If left untreated many of these vector diseases can lead to long-term chronic health issues and death. Topics covered during this talk include: pest biology, personal prevention, landscape control methods, and common arthropod-borne illnesses.

What’s New in Ornamental Plant Pest Management Including the Spotted Lanternfly
10:10 - 11:00 a.m.
Mr. Tim Abbey, Penn State Extension

This session will cover some of the new pest management resources and tools that can help manage ornamental plant pests. Tim will also review the spread of the spotted lanternfly in Pennsylvania and the potential impact on ornamental plants.

Improving Pesticide Performance with Surfactants and Water Quality
11:00 - 11:50 a.m.
Mr. Chuck Schuster, University of Maryland Extension

This session will review many of the different factors that may affect pesticide efficacy, including the quality of the water used. Water is not water; different pH's and other minerals, as well as turbidity, can affect the final results of your pesticide application. Not only will the problem be discussed, but solutions will be offered.

Greenhouse Grower

Whitefly in the Greenhouse and Western Flower Thrips
8:10 - 9:00 a.m.
Mr. Stanton Gill, University of Maryland Extension
Dr. Brian Kunkel, University of Delaware Extension

There are many nasty strains of whitefly active in the greenhouses on the east coast including A, B and Q strains. Stanton and his team have been evaluating several new low risk and systemic materials that will help you conquer all of the nasty strains of whitefly in your greenhouse.

Thrips continue to be a serious pest in greenhouses and there have been cases of some thrips populations resistant to spinosad. This presentation will share results from efficacy trials that examined new low risk or systemic products against thrips.

Water Management is the Key to Improving Crop Performance
9:00 - 9:50 a.m.
Dr. Will Healy, Ball Horticultural Company

Optimizing water management in your production is critical to healthy plant growth. Root development is dependent on the right water and air balance in the soil. Will’s proven method to train your staff to be good water managers has been used by growers around the world to decrease losses and improve product quality.

Shrinking Your Shrink
10:10 - 11:00 a.m.
Dr. Will Healy, Ball Horticultural Company

Survival in the greenhouse business is dependent on controlling shrink throughout your production process. Will has multiple ideas and ways you can control “shrink - your silent business partner who is robbing you blind.”
Recertification Updates
3:00 - 3:30 p.m.
Ms. Kelly Love, Maryland Department of Agriculture
Mr. Baldwin Williams, District Department of Energy and Environment

Representatives from MDA and the Washington D.C. Department of the Environment will present the past season’s data and upcoming laws that may affect nutrient management planners and pesticide applicators. Record-keeping and training will be addressed. Attendance at this session is required for pesticide recertification credits.

Nursery Grower and Landscape Contractor

Abiotic Plant Disorders
1:00 - 1:55 p.m.
Mr. Tim Abbey, Penn State Extension

Tim Abbey will review the symptoms of common abiotic issues that are encountered in the landscape and the importance of proper identification to prevent unwarranted pesticide applications.

Plant Blights, Death, Spots, Cankers and Disasters
2:00 - 2:55 p.m.
Dr. Karen Rane, University of Maryland
Dr. Dave Clement, University of Maryland Extension

Karen and Dave will discuss what to do about that sinking feeling “When You Have a Good Feeling About This” moment in your nursery.

Turf Management

Turf Pesticide Applications, Avoiding the Potential of a Misapplication
1:00 - 1:55 p.m.
Mr. Chuck Schuster, University of Maryland Extension

Chuck will review of some of the common problems that result from turfgrass pesticide applications. Drift, volitilization, and proper product selection will also be discussed.

Runoff from Turf: When is it a Problem?
2:00 - 2:55 p.m.
Dr. Mark Carroll, University of Maryland

This presentation digs into the literature to identify what environmental conditions and management practices heighten the risk for chemical runoff from turf. Results from recent University of Maryland turfgrass runoff investigations are included as part of the presentation.

Nutrient Management

Nursery Fertility: Focusing on Phosphorus
1:00 - 1:55 p.m.
Dr. Jim Owen, Virginia Tech

Dr. Jim Owen will provide a brief review of nursery container nutrition and discuss his lab’s most recent findings related to controlled release fertilizers, pH and growing media amendments. Jim will go in depth on topics related to phosphorus including optimal rate, crop variability, and how phosphorus interacts with substrate amendments. This presentation will prepare you for the spring to optimize fertility rates, minimize environmental impact, and provide new ideas to try at your nursery when producing superior plants in 2018.

The Future of Controlled-Release
2:00 - 2:55 p.m.
Mr. Hunter Swisher, Phospholutions

This presentation will give a brief overview of fertilizers and how they've changed over the years to improve efficiency. Attendees will explore innovations specifically with nitrogen and phosphorus. A review of current technology to slow down the release, how it is changing, and how the industry will use fertilizer in the future will also be presented.

Turf Nutrient Management

Fertilizer: Organic, Compost, and Enhanced Efficiency
1:00 - 1:55 p.m.
Ms. Ginny Rosenkranz, University of Maryland Extension

Ever wondered what type of fertilizer you should be using in your operation? This talk will cover what is good about each type of fertilizer and why it should be considered as a part of your company’s fertilizer regiment.

Nutrient Management Update - Regulations and Regulatory Requirements
2:00 - 2:55 p.m.
Mr. Bryan Harris, Maryland Department of Agriculture

Bryan Harris of the MDA Nutrient Management Program will provide an update on the urban turf grass regulations and regulatory requirements. If you have questions on this topic, you don’t want to miss this session!
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<td><strong>Greenhouse Grower</strong></td>
<td>8:10 - 9:00 a.m.</td>
<td>Whitefly in the Greenhouse and Western Flower Thrips</td>
</tr>
<tr>
<td>Mr. Stanton Gill</td>
<td>Dr. Will Healy</td>
<td>9:00 - 9:50 a.m.</td>
</tr>
<tr>
<td>Dr. Brian Kunkel</td>
<td>Dr. Will Healy</td>
<td>10:10 - 11:00 a.m.</td>
</tr>
<tr>
<td><strong>Recertification Updates</strong></td>
<td>Ms. Kelly Love</td>
<td>3:00 - 3:30 p.m.</td>
</tr>
<tr>
<td>Mr. Baldwin Williams</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nursery Grower and Landscape Contractor</strong></td>
<td>1:00 - 1:55 p.m.</td>
<td>Abiotic Plant Disorders</td>
</tr>
<tr>
<td>Mr. Tim Abbey</td>
<td>Dr. Karen Rane</td>
<td>2:00 - 2:55 p.m.</td>
</tr>
<tr>
<td>Dr. Dave Clement</td>
<td>Dr. Mark Carroll</td>
<td>2:00 - 2:55 p.m.</td>
</tr>
<tr>
<td><strong>Turf Management</strong></td>
<td>1:00 - 1:55 p.m.</td>
<td>Turf Pesticide Applications, Avoiding the Potential of a Misapplication</td>
</tr>
<tr>
<td>Mr. Chuck Schuster</td>
<td>Dr. Jim Owen</td>
<td>1:00 - 1:55 p.m.</td>
</tr>
<tr>
<td>Dr. Dave Clement</td>
<td>Mr. Hunter Swisher</td>
<td>2:00 - 2:55 p.m.</td>
</tr>
<tr>
<td><strong>Turf Nutrient Management</strong></td>
<td>1:00 - 1:55 p.m.</td>
<td>Fertilizer: Organic, Compost, and Enhanced Efficiency</td>
</tr>
<tr>
<td>Ms. Ginny Rosenkranz</td>
<td>Mr. Bryan Harris</td>
<td>2:00 - 2:55 p.m.</td>
</tr>
</tbody>
</table>

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