

please help us grow...

2015 Garden Day Saturday, August 1

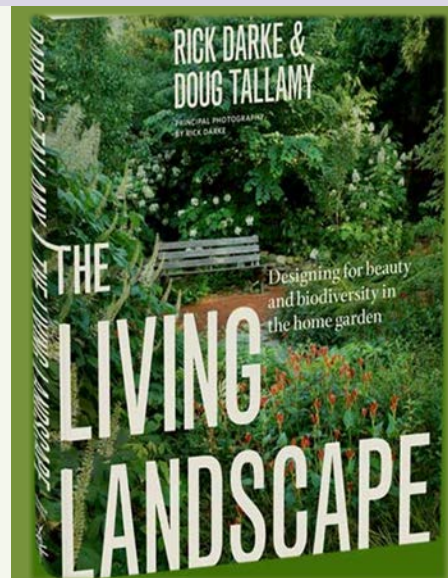
Keynote Speaker Rick Darke

Rick Darke is a widely published author, photographer, lecturer and consultant focused on regional landscape design, planning, conservation, and enhancement. In 2014, Rick co-authored *The Living Landscape* with another prominent figure in the world of gardening, Doug Tallamy. *The Living Landscape* is a definitive guide to designing a beautiful, biodiverse home garden. Rick is an amazing photographer and plant expert (what a combination of talents!) and Doug's story of increasing our home biodiversity to support our local ecosystems is inspiring.

Register Now! Online registration is available at our website:

<http://www.hrt.msu.edu/garden-day-2015/>

For a list of our 12 workshops offered twice each during Garden Day, see page 2 of this eNewsletter. Garden Day also includes lunch, shopping, time to explore the gardens and of course great plant conversations with other garden enthusiasts.



For a special treat, join us after the main Garden Day Event for An Evening Stroll with Rick Darke

Saturday, August 1, 2015

5:00 p.m. After Garden Day in the MSU Horticulture Gardens (1066 Bogue St.)

Register on our Garden Day website

\$35.90 for 2015 MSU Garden members / \$45.90 for non-members [Become a member](#)

Take a tour of the MSU Horticulture Gardens with internationally renowned landscape ethicist, writer, horticulturist and photographer, Rick Darke. On this tour, you will be immersed in discussion *with one of America's foremost authorities on sustainable and wild gardening. This intimate setting provides a great opportunity for you to broaden your knowledge on landscape design, planning, conservation, and enhancement.* Additionally, you will learn ways to apply certain techniques to your own home gardens and landscapes! After the tour, you will walk back to the conservatory where hors d'oeuvres and continued conversation can be enjoyed.

For more information and registration, go to <http://www.hrt.msu.edu/reception/>
A link to Rick's website can be found here: <http://www.rickdarke.com/>

MSU Horticulture Garden News

e-News from Michigan State University Horticulture Gardens

<http://www.hrt.msu.edu/our-gardens/>

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2015 Garden Day Workshops

- 1. Garden Walk with the Director!** *Dr. Art Cameron, Director, MSU Horticulture Gardens*
- 2. Michigan Bees: Honey, Native, Wild, Invasive, or Wannabees?** *Rufus Isaacs, Professor, MSU Department of Entomology*
- 3. Growing Gourmet Mushrooms Around Your Home** *Chris Wright, President, Easygrow Mushrooms and Composting LLC*
- 4. Grow A Row: Gardening for Your Community** *Julie Lehman, Garden Program Coordinator, Greater Lansing Food Bank- Garden Project*
- 5. Growing and Enjoying Your Cutting Garden** *Daedre Craig, Annual Trial Gardens Manager, MSU Horticulture Gardens*
- 6. Creating Landscape Night-lighting Magic** *Sue Grubba, Owner, Creative Scapes*
- 7. Hydrangeas Demystified** *Stacey Hirvela, Horticulturist, Proven Winners Color Choice Shrubs*
- 8. Conifers for Michigan Landscapes** *Bert Cregg, Associate Professor & Extension Specialist, MSU Departments of Horticulture & Forestry*
- 9. Insect Morphology** *Chris DiFonzo, Field Crops Entomologist, MSU Department of Entomology*
- 10. The Ever Changing Garden.** *Renata Reibitz, Perennial Garden Manager, MSU Horticulture Gardens*
- 11. Arboretum Design Tour.** *Bob Schutzki, Associate Professor and Arboretum Curator, MSU Department of Horticulture*
- 12. Herbal Blends and Spice Rubs**
Jessica Wright, Education Coordinator, Michigan 4-H Children's Garden and Val Albright, Program Associate, MSU Extension



There is plenty to see in the MSU Horticulture Gardens mid-summer!

Garden News

MSU Horticulture Plant Sale a Success!

Thanks to the hard work of our staff and volunteers, the generosity of our Michigan Horticulture Industries, and the support and patronage by our members and garden lovers, we hosted our most successful plant sale ever! The proceeds from the plant sale are important since they are used to support our ongoing activities in the gardens. Thanks for your support.

Construction to Begin on 4-H Children's Garden Restrooms!

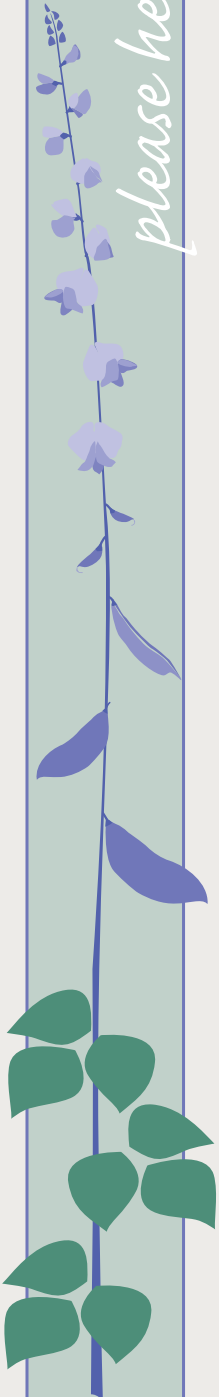
Thanks to a generous gift from the Smith Family, two new restrooms will be constructed between the 4-H Children's Garden and the Pete and Sally Smith Schoolyard Demonstration Garden! These strategically placed bathrooms will certainly be well-received by visitors of all ages! Construction is slated to begin soon and we hope to have functional bathrooms this fall.

Master Gardener Idea Garden

Thanks to a generous gift from Judith and George Mynsberge, we have a prominent bed designed and maintained by Master Gardeners (see photos below). The current garden was designed by Denise Brembeck and showcases many colorful summer perennials including butterfly weed, sea holly, salvia and coneflower. Next year we will start over with a new design. A competition will be announced soon and we will judge the best design submitted by a Master Gardener. Stay tuned!



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<http://www.hrt.msu.edu/our-gardens/>

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Tomatoes without smell

Dr. Gregg Howe, Professor of Biochemistry & Molecular Biology, was recently awarded a significant National Science Foundation grant that includes an education and outreach component to be completed in the MSU Horticulture Gardens. In the 4-H Children's Gardens, activities related to trichomes and plant aromas will be included in the "Seeds of Science Program", presented each summer to children from local schools by Dr. Norm Lownds and Jessica Wright. Children will observe and collect data on differences between "normal" versus "mutant" plants in a Mutant Plant Garden. A teaching classroom equipped with smart boards, and microscopes will allow children to visualize trichomes on normal and odorless plants. Discussions will be centered on understanding why plant aromas are important for pollination, defense, and other aspects of the plant life cycle. The program will include an interpretive, hands-on tour of a large collection of aromatic plants on display in the 4-H Children's Garden. We will also plant a display of normal and odorless tomato mutants in the MSU Horticultural Gardens. This will be used to illustrate how genes control plant aroma and how volatile chemicals mediate plant-insect interactions.

We will also have plant displays with signage to educate adult visitors. Visitors will be encouraged to smell the plant varieties and observe differences in herbivory, for example by common flea beetles that attack mutant but not normal plants.

Other current NSF grants that support activities in the 4-H Children's and MSU Horticulture Gardens:

"Evolution of specialized metabolite biosynthetic pathways in the Lamiaceae: Sources of chemical diversity for molecules essential for human use and plant defense"

Dr Robin Buell
Department of Plant Biology, MSU

"Unraveling the Heterozygosity, Allelic Composition, and Copy Number Variation of Potato"

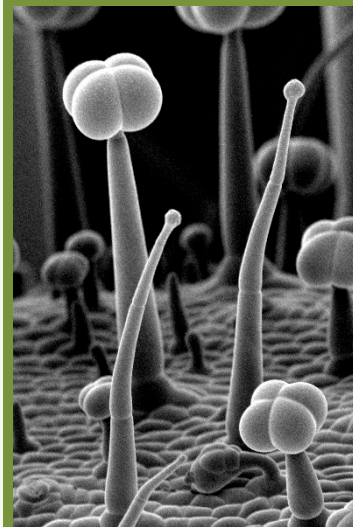
Dr Robin Buell
Department of Plant Biology, MSU

"Establishment of in vivo systems for studying mechanisms of sequence acquisition by Pack-MULEs"

Dr Ning Jiang
Professor of Horticulture, MSU

"NDR1: A point of convergence in stress and pathogen signaling in Arabidopsis thaliana"

Dr Brad Day
Department of Plant Pathology, MSU



Scanning electron micrograph of "hairs", which are actually trichomes, on a tomato leaf surface. Photograph courtesy of David Marks (University of Minnesota).



Note "hairs" on stems.

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More Garden News

Become a Master Gardener!

Registration is now open for the fall Master Gardener trainings at several locations in Michigan including Clinton Township, Grand Rapids, Howell, Mason and Traverse City! Details for each class location can be found at the web site below:

http://mg.msue.msu.edu/become_a_master_gardener_volunteer/upcoming_training_classes

Please share this information with everyone you think may be interested in becoming a Master Gardener. Seats are filling up fast so please don't delay.

Follow us on Facebook

- [MSU Horticulture Gardens – Programs](#)
- [Michigan State University Horticulture Gardens - Weddings & Events](#)

If you are a Facebook person, please “like” us to learn more about our Weddings and Events, details about our upcoming programs, or to see what has been flowering in our gardens!

Help to promote and support our great gardens – pass the word!

Support the Gardens - Sponsor a Brick or a Bench

Our endowment supports a good portion of our on-going salaries and maintenance costs in the gardens. This endowment grows yearly from direct gifts and donations or one of the many donor opportunities in the MSU Horticulture Gardens. A \$250 donation to the Gardens will sponsor a 4” by 8” brick, a \$1,000 donation to the Gardens will sponsor a 8” by 8” brick. Donors can sponsor benches, individual garden beds or completely new gardens depending on the level of giving. Inscriptions can honor special person(s) or occasion(s) in your life. For more information, visit our website <http://www.hrt.msu.edu/donor-opportunities-bricks-benches/>

Contact: Art Cameron, MSU Horticulture Gardens Director, cameron@msu.edu
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