

WEED 'EM AND REAP

THE NEWSLETTER OF THE DELAWARE COUNTY MASTER GARDENER ASSOCIATION | OCTOBER 2021

EXECUTIVE BOARD

Sarah Kreps

President
sjkreps14@gmail.com

Mary Ippel

1st Vice President
maryippel1012@gmail.com

John Huber

2nd Vice President
huberhuberx2@gmail.com

Deanna Hines

Secretary
tdhines1@aol.com

Kate Bell

Treasurer
k8bell1@gmail.com

Julia Mason

Historian
m.julie.mason@gmail.com

Chris Allen

Member-at-Large
ccallen1@gmail.com

Martha McClurg

Member-at-Large
martha.n.mcclurg@gmail.com

Linda Osborn

Member-at-Large
lindaosborn@gmail.com

QUESTIONS?

Contact the helpful staff of the Delaware Co. Extension Office Room 202, 100 W. Main Street Muncie, IN 47305-2879 Phone: 765.747.7732

NEWSLETTER SUBMITTALS

To submit an article for the upcoming newsletter or to report an error in the publication, please email kdkoger@gmail.com

Upcoming Meeting



Join the Delaware County Master Gardener Association (DCMGA) for the Annual Business Meeting on **Wednesday, October 27** at **7:00 PM**. The evening's guest speaker will be Ryan Hammer, owner of Crazy Horse Hops. Based in Knightstown, Crazy Horse Hops is one of the largest hop growers, processors, and brokers in the Midwest.



Following the presentation, Master Gardeners will have the opportunity to elect new Executive Board members, vote on the 2022 Annual Budget, and learn about upcoming events for next year.

The location (in-person or virtual) will be announced at a later date. Questions about the meeting should be directed to Mary Ippel.

REMINDER: MEMBERSHIP DUES

Active Extension Master Gardeners should submit a completed membership form and annual membership dues to Treasurer Kate Bell by **October 31, 2021**. Dues are just \$10/person. Checks can be made payable to Delaware County Master Gardener Association. Dues submitted after October 31 can incur fees.

Please notify Kate if you wish to be removed from the active EMG roster.



Follow us on Facebook!
@DelcoMGAssociation

Remember to report your volunteer and educational hours at
www.purdue.edu/hla/sites/master-gardener



Stay connected with the DCMGA by visiting delcomastergardener.org to learn more about upcoming activities, view photos from recent events, and read the latest edition of the newsletter.

It is the policy of the Purdue University Cooperative Extension Service that all persons have equal opportunity and access to its educational programs, services, activities, and facilities without regards to race, religion, color, sex, age, national origin or ancestry, marital status, parental status, sexual orientation, disability or status as a veteran. Purdue University is an Affirmative Action institution. This material may be available in alternative formats.

Monthly Gardener Checklist

November 2021

– written by Rosie Lerner, Extension
Consumer Horticulturist, Purdue University

HOME (Indoor plants and activities)

- As houseplant growth slows, apply less fertilizer and water.
- If plants are dropping many leaves, move them closer to sunny exposures, such as west- and south-facing windows. Artificial lights may be needed to supplement particularly dark rooms.
- Pot spring-flowering bulbs with tips exposed to force into bloom indoors. Moisten soil and refrigerate 10 to 13 weeks. Transfer to a cool, sunny location, and allow an additional three to four weeks for blooming.
- Continue dark treatment for poinsettias by keeping them in complete darkness from 5 p.m. to 8 a.m. daily until early December or until red bracts begin to show.

YARD (Lawns, woody ornamentals and fruits)

- Prevent rabbit and rodent feeding damage by erecting physical barriers, such as metal mesh (one-fourth inch) hardware cloth. Pull mulch a few inches away from the trunk, as the mulch provides a warm winter home for rodents. Chemical repellents also are available, but their effectiveness is temporary and not foolproof.
- Prevent frost cracking (or sun scald) by wrapping trunks with commercial tree wrap or painting the south- and southwest-facing sides of the trunk with white latex outdoor paint. Young, thin-barked trees such as maples and many fruit trees are especially susceptible. Be sure to remove the tree wrap by early spring to prevent overheating of the bark.
- Remove dead, diseased or damaged branches.
- Protect the graft union on rose bushes by mounding soil around the plants and adding mulch on top. Wait until several killing frosts have occurred so plants will be dormant when covered. Plants covered too early may be smothered.
- If you are planning to order a “live” Christmas tree, prepare its planting hole before the soil freezes. Mulch the area heavily to prevent freezing, or dig the hole and put fill in a protected, nonfreezing area such as a garage or basement.
- Clean up and discard fallen leaves and fruits around fruit plants to reduce disease carryover.
- Continue mowing lawn as needed. As tree leaves fall, run them through your mower (remove bagger), allowing the shredded leaves to remain on the lawn. Be sure to mow only when grass and leaves are dry.
- A November application of fertilizer can help keep lawns green into winter and boost early spring recovery. Apply one-half to 1 pound actual nitrogen, per 1,000 square feet of lawn.

GARDEN (Flowers, vegetables and small fruits)

- If frost hasn't taken your garden yet, continue harvesting.
- Harvest mature green tomatoes before frost, and ripen indoors in the dark. Store at 55-70 degrees F. The warmer the temperature, the faster they ripen.
- Harvest root crops and store in a cold (32 degrees F), humid location. Use perforated plastic bags as an easy way to increase humidity.
- Remove crop and weed plant debris from the garden and add to the compost pile. This will help reduce the carryover of diseases, insects and weeds to next year's garden.
- Fall tilling, except in erosion-prone areas, helps improve soil structure and usually leads to soils warming and drying faster in the spring. This allows crops to be planted earlier.
- Apply mulch to strawberries to prevent winter injury or death to their crowns. Wait until temperatures have hit 20 degrees F to be sure plants are dormant. If mulch is applied too soon the plant's crown can rot.
- Dig tender garden flower bulbs for winter storage.

Treasurer's Report

Kate Bell, Treasurer



| Date of Report: 10/11/2021 | | 01/31/21 | 02/28/21 | 03/31/21 | 04/30/21 | 05/31/21 | 06/30/21 | 07/31/21 | 08/31/21 | 09/30/21 | 10/31/21 | Total |
|---------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| Balance Brought Forward | | \$12,298.57 | \$12,298.67 | \$12,365.76 | \$12,365.86 | \$11,767.96 | \$15,597.85 | \$15,597.98 | \$15,731.11 | \$15,686.75 | \$15,073.78 | |
| Income | | \$0.10 | \$67.09 | \$0.10 | \$10.10 | \$4,657.11 | \$0.13 | \$283.13 | \$0.13 | \$130.13 | \$170.00 | \$5,318.02 |
| Expenses | | \$0.00 | \$0.00 | \$0.00 | \$608.00 | \$827.22 | \$0.00 | \$150.00 | \$44.49 | \$743.10 | \$265.00 | \$2,637.81 |
| Balance On Hand | | \$12,298.67 | \$12,365.76 | \$12,365.86 | \$11,767.96 | \$15,597.85 | \$15,597.98 | \$15,731.11 | \$15,686.75 | \$15,073.78 | \$14,978.78 | |
| Income | Goals | | | | | | | | | | | |
| Annual Master Gardener Dues | \$600.00 | | | | \$10.00 | | | | | \$130.00 | \$170.00 | \$310.00 |
| Garden Walk | \$400.00 | | | | | | | | | | | \$0.00 |
| Growing Through Gardening | \$1,000.00 | | | | | | | | | | | \$0.00 |
| Kids Camp ~ Future MG | \$300.00 | | | | | | | | | | | \$0.00 |
| Kids Camp ~ Mini MG | \$300.00 | | | | | | | | | | | \$0.00 |
| Plant Sale | \$2,500.00 | | | | | \$3,557.00 | | \$8.00 | | | | \$3,565.00 |
| Walmart Volunteer Grant | \$1,000.00 | | | | | | | | | | | \$0.00 |
| Wassons Sponsorship~Take Out Ga | \$500.00 | | | | | \$500.00 | | | | | | \$0.00 |
| Bank Interest | | \$0.10 | \$0.09 | \$0.10 | \$0.10 | \$0.11 | \$0.13 | \$0.13 | \$0.13 | \$0.13 | | \$1.02 |
| Miscellaneous & Clearing Acct | | | \$67.00 | | | \$600.00 | | \$275.00 | | | | \$942.00 |
| Total | \$6,600.00 | \$0.10 | \$67.09 | \$0.10 | \$10.10 | \$4,657.11 | \$0.13 | \$283.13 | \$0.13 | \$130.13 | \$170.00 | \$5,318.02 |
| Expenses | Budget | | | | | | | | | | | |
| Bucket Community Garden | \$250.00 | | | | | | | | | | | \$0.00 |
| Childrens Museum | \$200.00 | | | | | | | | | | | \$0.00 |
| Farm Fest | \$200.00 | | | | | | | | | | | \$0.00 |
| Farmers Market | \$200.00 | | | | \$125.00 | | | | | | | \$125.00 |
| Garden Fair | \$100.00 | | | | \$25.00 | | | | \$4.50 | | | \$29.50 |
| Garden Walk | \$300.00 | | | | | | | | | | | \$0.00 |
| Growing Through Gardening | \$1,000.00 | | | | | | | | | | | \$0.00 |
| Kids Camp ~ Future MG | \$650.00 | | | | | | | | | | | \$0.00 |
| Kids Camp ~ Mini MG | \$650.00 | | | | | \$20.72 | | | \$34.66 | | | \$55.38 |
| Plant Sale | \$500.00 | | | | \$100.00 | \$56.50 | | | \$5.33 | | | \$161.83 |
| Scholarship ~ MG Training | \$300.00 | | | | | | | | | \$175.00 | | \$175.00 |
| Tree Planting Event | \$300.00 | | | | | | | | | | | \$0.00 |
| Washington Street Festival | \$100.00 | | | | | | | | | | | \$0.00 |
| New Events | \$200.00 | | | | | | | | | | | \$0.00 |
| Association Expenses | | | | | | | | | | | | |
| Banquet | \$500.00 | | | | | | | | | | | \$0.00 |
| Board Expenses | \$100.00 | | | | \$297.00 | | | | | | | \$297.00 |
| Booklets | \$150.00 | | | | | | | | | | | \$0.00 |
| Donations & Sponsorships | \$350.00 | | | | \$11.00 | | | | | | | \$11.00 |
| Fall Potluck | \$150.00 | | | | | | | | | | | \$0.00 |
| Hospitality | \$100.00 | | | | | | | | | | | \$0.00 |
| Insurance | \$350.00 | | | | | | | | | \$319.00 | | \$319.00 |
| Marketing & Event Supplies | \$500.00 | | | | | | | | | | | \$0.00 |
| *Marketing ~ Take Out Gardens | \$500.00 | | | | | | | | | \$249.10 | | \$249.10 |
| Meeting Facilities & Speakers | \$250.00 | | | | \$50.00 | \$150.00 | | \$150.00 | | | | \$350.00 |
| Postage | \$50.00 | | | | | | | | | | | \$0.00 |
| Printing & Copies | \$50.00 | | | | | | | | | | | \$0.00 |
| Purdue Extension Expenses | \$150.00 | | | | | | | | | | | \$0.00 |
| Website Hosting & Maintenance | \$250.00 | | | | | | | | | | \$265.00 | \$265.00 |
| Miscellaneous & Clearing Acct. | \$0.00 | | | | | \$600.00 | | | | | | \$600.00 |
| Total | \$8,400.00 | \$0.00 | \$0.00 | \$0.00 | \$608.00 | \$827.22 | \$0.00 | \$150.00 | \$44.49 | \$743.10 | \$265.00 | \$2,637.81 |

Purdue Extension - Wayne County Lawn and Garden Workshops Various Dates | Richmond

CLASS SCHEDULE:

November 9 – Lawn Care Basics
November 16 – Plant Disease Diagnosis
November 23 – Tree & Shrub Care



Want to improve your lawn? Wonder why your plants or trees are dying? Want to learn how to correctly plant/care for your trees? If so, this 3-week workshop series is for you!

Join the Wayne County Extension Office for a series of three education workshops on November 9, 16, and 23. These programs are being offered "cafeteria style" – meaning you can come to 1, 2 or all 3 of them for the same price – it's FREE! Registration is limited and requested so that we can plan for social distancing. For more information or to register, contact the Purdue Extension Office at 765-973-9281.

Meetings will be held from 1:30 - 3:30pm at the Wayne County Extension Office located at the Wayne Co. Fairgrounds, 861 Salisbury Rd, Richmond.

Meeting Minutes

Wednesday, September 22, 2021



Thirty-one Extension Master Gardeners and guests were present.

President Sarah Kreps welcomed attendees and introduced the guest speaker, John Orick. John serves as the current Purdue Master Gardener State Coordinator. John's presentation provided an overview of the Extension Master Gardener program.

John indicated he attended Purdue University, where he received both a Bachelor of Science and Master of Science degree in Turfgrass Management. He worked in the golf course industry for several years as an assistant course superintendent. John served as the Purdue Extension Educator in Madison County for 16 years prior to becoming the Purdue Master Gardener State Coordinator. John is married and has one daughter. His daughter is a junior at Indiana University where she studies English education. John's wife, Evie, works as an academic advisor for the College of Science at Purdue University.

John provided an executive summary of the Purdue Extension Master Gardener (EMG) program for 2020. John reported the following statistics:

- 2,533 active EMG volunteers
- 99,448 volunteer hours recorded (valued at \$2.4 million)
- 31,740 education hours recorded
- 667 interns completed the virtual EMG Basic Training course

John stated that he serves as an at-large member on the National Extension Master Gardener board. John indicated that all 50 states and the District of Columbia have an EMG program. In 2020, over 825,900 education hours and 3.1 million volunteer hours were recorded across North America. The total amount of volunteer time provided by EMG-ers is valued at \$76.4 million. Nationally, over 11,600 individuals became new Extension Master Gardeners in 2020.

John also mentioned that another statewide Virtual EMG Basic Training course will be offered during the spring of 2022. The classes are scheduled to take place each Tuesday evenings, February 1st through May 3rd. The weekly course is 3 hours

from 6:30 to 8:30 pm and will be held on WebEx.

The virtual courses will include a weekly 1-hour "County Connection" time coordinated by the local county extension office. This time is set aside for new trainees to socialize with other local EMG interns, ask questions, and discuss the weekly gardening lesson in greater detail.

John indicated that more information about the training opportunity will be shared by Extension Coordinators soon in an email.

John also shared two other virtual training opportunities. John noted that these courses focus on the management of non-profit organizations but are relevant to EMG-ers because most county EMG organizations are registered as non-profits. The webinars will be recorded and placed on the "Education" page of the Purdue EMG website (www.purdue.edu/hla/sites/master-gardener/).

- Risk Management Best Practices for Non-profits – October 26, 10-11 am
- What Non-profit Organizations Need to Know about Copyright – November 10, 10-11 am

Additional horticulture training programs will be scheduled throughout the year.

John revealed that the 2022 Purdue EMG State Conference will be held September 15-17, 2022. The bi-annual event is being organized and hosted by the Marion County Master Gardener Association. The conference will be held at the Marriott Indianapolis North (3645 River Crossing Pkwy) near Keystone Crossing. More information will be shared on the official event website, indymcmga.org/2022-mg-in-state-conference/. John mentioned that Laurynn will be sending out an email with a survey within the next couple of days. Extension Master Gardeners will be asked to share their preferences concerning the conference in the survey.

John announced that Karen Mitchell was recently appointed as the new Purdue Consumer Horticulture Extension Specialist. Karen is preceded by Rosie Lerner, who retired from the position in December 2020.

John concluded his presentation and opened the floor to questions. A summary of questions follows:

Q: How many Indiana counties have an EMG program? **A:** Over 50 counties.

Q: Is the bucket garden a statewide initiative?

A: No. It was a pilot project created by the Hamilton County EMG program planned as part of the 2020 Statewide EMG Conference. The project was temporarily postponed due to COVID, but has been shared with other EMG associations.

Q: What is the demographic for EMG volunteers?

A: John estimated that over 70% of the EMG volunteers are over the age of 50, Caucasian, and female. However, John noted that the 2021 virtual basic training showcased a trend for more diversity in race and age.

Q: I just completed the 2021 virtual EMG basic training course. How many volunteer hours do I need in order to become a "Certified" EMG?

A: IN order to be a Certified EMG, interns must complete 40 hours of basic training and 40 hours of volunteer service. Once certified, EMGs must record 12 volunteer hours and 6 education hours annually.

Q: Would there be any objection if I created Bucket Gardens and gave them to the homeless in Anderson, IN?

A: Talk to Laurynn Thieme or Beth Vansickle in order to get approval by the local EMG County Coordinator.

Q: Our association has several older EMG members who cannot physically volunteer. How can we include them in our programs and how can they get volunteer hours to meet the annual requirement?

A: John noted that the Purdue EMG leadership team has been reviewing this for some time now. John said that a policy change may occur to the EMG manual in the near future.

CALL TO ORDER

President Sarah Kreps called the business meeting to order at 6:52 pm.

APPROVAL OF MINUTES

Sarah announced that the August meeting minutes were published in the September DCMGA newsletter. The minutes were approved as written.

TREASURER'S REPORT

Treasurer Kate Bell announced a current account balance of \$14,943.65. Three transactions have been made during the month of September. They include a payment for the basic training course scholarship, annual payment for insurance, and payment for supplies for the take-out gardens. The treasurer's report was approved.

Kate also reminded members that annual membership dues are due by October 31st.

Kate has sent out 3 email reminders. Payments should be sent to Kate along with the complete membership form. Dues are \$10. Members may be required to pay a late fee if membership is not paid before October 31st. Sarah indicated that new EMG interns do not need to pay the fee for their first year of membership.

Deanna Hines asked Kate if the 2022 DCMGA Membership Booklet could be distributed as a hardcopy rather than emailed as a digital book. President Sarah Kreps stated that it takes time and money to print hardcopies of the booklets. Kate mentioned that several books are not picked up by members and therefore are wasted. The conversation was tabled for future discussion.

Mark Kreps asked Kate if members could receive a verification that membership fee checks were received and deposited. Kate stated that she generally does not provide a notification but can do so upon request.

John Orick's Contact Info
P: 765.496.7956
orick@purdue.edu

COMMITTEE REPORTS

Farmers Market

Sarah Kreps reported on behalf of committee chairperson Mary Ippel. Sarah announced that the September volunteer date had been postponed and rescheduled for Saturday, September 22.

The next volunteer opportunity is scheduled for Saturday, October 4 from 8:30 am to 12:30pm. Sarah thought that Mary had all positions filled for this date. Sarah indicated that Mary was looking into hosting a DCMGA booth during the Winter Farmers Market.

Old Washington Street Festival

Chairperson Deanna Hines reported that the Old Washington Street Festival was held on Saturday, September 18 and Sunday, September 19. The DCMGA booth saw 177 visitors on Saturday and 54 visitors on Sunday. Volunteers distributed 120 daffodil bulbs and 150 surprise lilies. Deanna said that several people inquired about the EMG Basic Training course.

EXTENSION REPORT

Extension Educator Laurynn Thieme asked Sarah Kreps to remind her that the Executive Board needs to review the email list at the next Board meeting.

Laurynn stated that she had no new business to announce.

OLD BUSINESS

Sarah reminded members that Martha McClurg and Linda Osborn have posted several informative gardening videos to the DCMGA Facebook page. The group is looking for other EMGs to create videos to share on the Facebook page. The videos can be brief and cover a gardening topic of your choice. Contact Martha if you are willing to participate.

NEW BUSINESS

Sarah Kreps pleaded for greater membership involvement in several of the DCMGA programs and activities. She indicated that several of the programs lack a committee chairperson or the appropriate amount of volunteers. Sarah indicated that the Board may decide to terminate or cancel several programs if no one is willing to lead the activity.

Kyle Koger inquired about the nomination and budget committee reports. Sarah Kreps said that the Board will approve the nomination committee's recommended slate of candidates at the October Board meeting. The Board will also review committee budget requests and prepare a proposed budget for 2022. Membership will vote for Board members and approve the budget during the October annual Business Meeting.

Mark Kreps inquired about returning to in-person EMG meetings at Minnetrista. It was mentioned that Minnetrista has started to allow outside organizations to return to their facility for meetings. However, Sarah announced that the October meeting will continue to be virtual. Sarah announced that the January 2022 meeting could possibly be scheduled to be an in-person meeting at Minnetrista. The discussion was tabled for future consideration. The Board of Directors will evaluate current COVID safety protocols.

ADJOURNMENT

Having no other business to discuss, Julie Mason moved to adjourn the meeting, seconded by Martha McClurg. The meeting was adjourned at 7:07 pm.

Respectfully Submitted,

Deanna Hines
Secretary

DCMGA Mission:

The Delaware County Extension Master Gardener Association's mission is to help others grow by sharing horticultural knowledge and educational opportunities with our members and the communities we serve through mentoring, community service projects, and stewardship thereby cultivating lifelong gardeners and positive change.

DCMGA Proposed Budget for 2022

| EXPENSES | 2021 BUDGET | 2022 BUDGET |
|--------------------------------|--------------------|--------------------|
| Bucket Community Garden | \$250.00 | \$0.00 |
| Childrens Museum | \$200.00 | \$200.00 |
| Community Garden ~ Maring Hunt | | \$0.00 |
| Community Garden ~ Red-tail | | \$100.00 |
| Farm Fest | \$200.00 | \$100.00 |
| Farmers Market | \$200.00 | \$200.00 |
| Garden Fair | \$100.00 | \$100.00 |
| Garden Walk | \$300.00 | \$0.00 |
| Growing Through Gardening | \$1,000.00 | \$1,000.00 |
| Kids Camp ~ Future MG | \$650.00 | \$650.00 |
| Kids Camp ~ Mini MG | \$650.00 | \$650.00 |
| Plant Sale | \$500.00 | \$600.00 |
| Scholarship ~ MG Training | \$300.00 | \$400.00 |
| Scholarship ~ State Conference | | \$275.00 |
| Tree Planting Event | \$300.00 | \$0.00 |
| Washington Street Festival | \$100.00 | \$150.00 |
| New Projects | \$200.00 | \$200.00 |
| Subtotal | \$4,750.00 | \$4,425.00 |

| ASSOCIATION EXPENSES | 2021 BUDGET | 2022 BUDGET |
|--------------------------------|--------------------|--------------------|
| Banquet | \$500.00 | \$500.00 |
| Board Expenses | \$100.00 | \$100.00 |
| Booklets | \$150.00 | \$150.00 |
| Donations & Sponsorships | \$350.00 | \$150.00 |
| Fall Potluck | \$150.00 | \$150.00 |
| Hospitality | \$100.00 | \$100.00 |
| Insurance | \$350.00 | \$350.00 |
| Marketing & Event Supplies | \$500.00 | \$500.00 |
| *Marketing ~ Take Out Gardens | \$500.00 | \$500.00 |
| Meeting Facilities & Speakers | \$250.00 | \$800.00 |
| Postage | \$50.00 | \$100.00 |
| Printing & Copies | \$50.00 | \$50.00 |
| Purdue Extension Expenses | \$150.00 | \$150.00 |
| Website Hosting & Maintenance | \$250.00 | \$275.00 |
| Miscellaneous & Clearing Acct. | | |
| Subtotal | \$3,450.00 | \$3,875.00 |
| TOTAL | \$8,400.00 | \$8,500.00 |

Wasson Nursery

Holiday Porch Pot Workshop

Monday, December 6 | 6:00 pm



Add a little festive cheer to your front porch this year by making your own evergreen porch pot. Join Wasson Nursery of Muncie on Monday, December 6 for a fun DIY holiday container decorating workshop. Participants will receive all the necessary evergreen materials, novelties embellishments, and instructions to make a festive container.

The cost to participate is \$49.99. Reserve your spot soon as participation is limited! Tickets can be purchased online at: www.eventbrite.com/e/evergreen-pot-workshop-muncie-tickets-191717741927?aff=ebdsoporgprofile

On-Demand Recording

The Bee Short Course for Community Scientists: Building wild bee conservation skills together



October Session 6

Contributions of Community Science to Entomology: Benefits for People and Nature

presented by Mary Gardiner, The Ohio State University Department of Entomology

Video Recording:

www.youtube.com/watch?v=xgLn1hOSv9E

Wasson Nursery

Wreath Decorating Workshop

Thursday, December 2 | 6:00 pm



Deck the halls of your home this Christmas season by making your very own holiday wreath!

Join Wasson Nursery of Muncie on Thursday, December 2 for a special DIY wreath workshop. Participants will receive all the necessary materials and instructions to make a festive wreath for the front door.

The cost to participate is \$49.99. Reserve your spot soon as participation is limited! Tickets can be purchased online at: www.eventbrite.com/e/wreath-decorating-workshop-muncie-tickets-191058249367?aff=ebdsoporgprofile

University of Illinois Urbana-Champaign

Four Seasons Gardening Webinar Series:

Tree Root Collar Disorders

A root collar is an important area of a tree where root tissue shifts to trunk tissue. Impacts to this part of the tree can have a variety of symptoms from yellow foliage and early fall color to dieback in the upper canopy, and even tree death. Horticulture Educator Ryan Pankau will explore how to prevent, identify, and treat common tree root collar disorders during this online webinar.

The November 30th webinar is free but registration is required and space is limited. Register at web.extension.illinois.edu/registration/?RegistrationID=23882. The webinar will begin at 1:30 pm CDT.

photo: Wasson Nursery

Purdue Extension's

Statewide EMG Basic Training Course

Tuesdays, February 1 - May 3, 2022

The Purdue Extension Master Gardener (EMG) Program will hold a statewide virtual Extension Master Basic Gardener Training on Tuesdays, February 1 through May 3, 2022, from 6:30-8:30 PM via live webinars. A final exam will be given after May 3. There will also be a weekly local connection hour with your county's Extension Master Gardener coordinator. The day, time, and place for the local connection hour will be determined by your county's EMG coordinator and could be in person, a virtual web meeting, or a combination of both.

Contact EMG County Coordinator Lauryann Thieme at ljthieme@purdue.edu to request an course application. Once your application is approved, you will receive registration and payment information from your EMG County Coordinator. The cost to participate is \$180 per individual or \$280 for a couple and includes a hardcopy of the EMG course workbook and manual.

Tentative Webinar Schedule

| | |
|-------------|-----------------------------------|
| January 25 | Test WebEx Session (optional) |
| February 1 | Purdue EMG Orientation |
| February 8 | Plant Science |
| February 15 | Soils and Plant Nutrition |
| February 22 | Animal Pests |
| March 1 | Plant Disease Diagnosis |
| March 8 | Weed ID and Control |
| March 15 | Insect ID and Control |
| March 22 | Invasive Species |
| March 29 | Pesticide Safety and Alternatives |
| April 5 | Herbaceous Ornamentals |
| April 12 | Woody Ornamentals |
| April 19 | Fruit Gardening |
| April 26 | Lawn Care |
| May 3 | Vegetable Gardening |
| After May 3 | Final Exam, post-test, and survey |

Ikebana Flower Arrangements



What is it?

Ikebana ("living flowers") is the traditional art of floral arrangement that has been practiced in Japan for over 600 years. Historically, ikebana arrangements were used as offerings in Shinto religious ceremonies or to adorn the *tokonoma* (alcove) of Japanese homes. The choice of flower, stem, and greenery use in the arrangement is selected based on its ability to create harmony between the container and its surroundings.

Branches and flowers are placed at specific angles to represent *ten* (heaven), *chi* (earth), and *jin* (man). The way they're placed represents the strength, delicacy, and ephemerality of living flowers.

Learn more about four specific styles of Ikebana arrangements in these informative videos from Scotts Arboretum of Swarthmore College.

Rising Form – Half Moon Container
www.youtube.com/watch?v=wl6pn7UktAI

Rising Form – Round Vase
www.youtube.com/watch?v=LChNnVEuxmU

Slanting Style – Tall Vase
www.youtube.com/watch?v=HJiQCM9cHf0

Slanting Style – Low Bowl
www.youtube.com/watch?v=yVQ_bsyY4Bw

Indianapolis Hosta Society's
November Meeting
Saturday, November 6 | Noon - 4pm

Join guest speaker Jason Reeves and the Indianapolis Hosta Society for a fun and informative presentation on Saturday, November 6th. Jason will be providing two presentations: *Turning Trash into Treasures* and *Successful Screen Plantings*.

The presentation will be held at the Holliday Park Nature Center, 6363 Spring Mill Rd, Indianapolis. Light refreshments will be provided. All are welcome to attend! Visit indianapolishostasociety.org to learn more.

Herb Society of Central Indiana
November Presentation
Monday, November 8 | 6:30pm



Join the Herb society of Central Indiana for the next meeting on Monday, November 8th. Special Speaker Regina Mehallick will be giving an "Herby Presentation". All are welcome to attend. Attendees are encouraged to arrive early for light refreshments. The meeting will begin promptly at 6:30 pm at the John W. Hensel Government Center, 10701 N College Ave., Indianapolis. The monthly business meeting will follow at 7:45 pm.

Image: Shutterstock

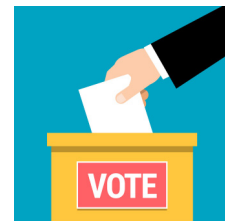
Delaware County Master Gardener Association's
Election of Board Members
Board of Director's Slate of Candidates

The DCMGA Annual Business meeting will be held on **Wednesday, October 27**. The business meeting will include the election of Executive Board officers. Several positions are open for election for the 2022-2023 term. Vacant positions include, first vice-president, second-vice president, secretary, treasurer, and members at-large.

The Nomination Committee has made the recommendation to nominate the following candidates for each Board position:

President
First Vice-President
Second Vice-President
Secretary
Treasurer
Historian
Member At-Large #1
Member At-Large #2

Sarah Kreps (incumbent, will be serving a 2nd term)
Martha McClurg
Sylvia Finney
Paula Sampson
Dottie Kreps
Julia Mason (incumbent, will be serving a 2nd term)
Debbie Cowan
Chris Allen (incumbent, will be serving a 2nd term)



Nominations may also be made from the floor during the Annual Meeting. Active members shall be allowed to vote by ballot during the Annual Meeting. A candidate shall be deemed elected if he or she receives a majority of the votes.

Sincerely,

Mary Ippel & Sandy Kreps
Nomination Committee members

Delaware County Master Gardener Association's

Election of Board Members

Slate of Candidates



Sarah Kreps
Incumbent President Candidate

Sarah has been an active EMG since 2012. Sarah currently serves as the President of Delaware County Master Gardener Association. She has also fulfilled the role of First Vice-president and Historian for the organization. In addition to serving on the Board of Directors, Sarah serves as a chairperson or a volunteer on several committees including the Take-out Garden project, Mini-Master Gardener camp, Future Master Garden camp, and the Growing Through Gardening advance training seminar. She enjoys sharing her love of gardening with children through these EMG programs. She also manages the organization's social media and website accounts and assists with the organization's marketing program. Sarah has achieved several accolades for her service, including the 2019 DCMGA "Master Gardener of the Year" award.

Sarah is an Assistant Producer/Director for the Ball State University's PBS station, WIPB. She also serves as a 4-H leader for the Delaware County Dog Club and teaches agility classes with a local dog organization. In her spare time, Sarah enjoys relaxing with her 14-year-old Shepherd mix, Nutmeg.



Sylvia Finney
Second Vice-President Candidate

Sylvia Finney has been an active member in both the Delaware County and Madison County Master Gardener programs since 1997. Sylvia was a co-founder of the annual Mini-Master Gardener children camp, organized several bus tours, and has volunteered at both the Delaware and Madison County Advance Master Gardener Garden Schools. In addition to serving as a volunteer on many committees, Sylvia has served as First Vice-president and President of the DCMGA and President of the MCMGA. Sylvia currently serves as the Secretary for the Madison County organization.

Sylvia has achieved many accolades in the program over the last two and a half decades, including the status of "Advance EMG, Gold 2000" and receiving the coveted DCMGA "Master Gardener of the Year" award in 2009. Sylvia acknowledges the success of many of the EMG programs she has led to the assistance provided by all of the DCMGA volunteers.

Sylvia, along with her husband Will, live on 14 acres in Madison County where they operate a horse boarding and tack shop.



Martha McClurg
First Vice-President Candidate

Martha has been involved in a variety of committees and projects during her 4 years in the DCMGA. She currently serves as an at-large member on the DCMGA board and chairs the Mini Master Gardener Camp. Her gardening passions include native plants and fruit & vegetable gardening.

Martha and her husband Josiah are proud parents of two spunky redheads, Eve and Edna. Martha is a registered dietitian and public health professional, currently on a career sabbatical to care for her children. Aside from gardening, Martha's hobbies include hiking, reading nonfiction, and the occasional fiber arts project.



Paula Sampson
Secretary Candidate

Paula Sampson has been actively involved with a variety of EMG committees and projects since becoming an EMG eleven years ago. Retired from Ball State University after 25 years of teaching apparel design and fashion merchandising, Paula has gained valuable leadership experience having served in several positions on the professional fraternity Phi Upsilon Omicron and the Indianapolis chapter of the Fashion Group International.

Paula's main gardening interests include vegetable gardening, ornamental landscape plantings, and greenhouse cultivation. Outside of the Extension Master Gardener program, Paula participates in many creative pursuits such as fabric/needlework, genealogy, photography, and relaxing with her cat, Misty (nicknamed the Flying Furball).



Dottie Kreps Treasurer Candidate

Dottie has been an active member of the DCMGA since 2012. She finds delight in teaching individuals how to grow their own food and helping others discover their passion for gardening. Dottie has served on various committees and projects including the Mini- and Future Master Gardener camps, the annual Garden Walk, Minnetrista Garden Fair, Purdue Extension state fair booth, Delaware County Farm Fest, and the Growing Through Gardening advance training program. Dottie has also served in several leadership roles on the Board of Directors, including as Second Vice-president and President.

Dottie is a Senior Producer/Director for Ball State University's PBS station, WIPB. She has produced the local programs Wellness Matters, The Roundtable with Michael Hicks, and Front Row Center. In addition, Dottie has served on the Board of Directors for The Soup Kitchen of Muncie and is an active 4-H leader. When not busy volunteering for a local organization, Dottie enjoys reading, traveling, & spending time with her dog, Topsy.



Debbie Cowan At-Large Member Candidate

Debbie Cowan is a resident of Hagerstown, Indiana. Debbie's love for gardening has been longstanding. After retiring in 2018 with over 25 years of experience as a Human Resource professional, Debbie decided to take the Master Gardener Basic Training Course. Debbie completed the virtual course in 2020 during the COVID-19 pandemic. Friend and fellow EMG, Kathy Hutson, told Debbie about the DCMGA program after Debbie discovered that her local Wayne County program was no longer available.

Since joining the DCMGA, Debbie has been a valued volunteer for several projects and programs. She has been a volunteer at the Selma Elementary raised garden project, the annual DCMGA Plant Sale, and at the EMG booth at Minnetrista. Debbie has said that she finds the DCMGA members to be very welcoming and eager to help answer any gardening questions she has. Debbie looks forward to becoming a more active member of the organization by being elected to the Board of Directors.

Indiana Native Plant Society's 2021 Annual Conference Saturday, November 13 | 1-5 pm

This year's theme, "*Wild Indiana & Wilding Indiana Gardens*," highlights the variety & beauty of our native flora & how our own gardens might employ them to support native wildlife. Registration is \$25. An email will be sent with the Zoom link. Register: indiananativeplants.org/inps-sponsored-events/annual-conference/.

Minnetrista Summer Farmer's Market



The DCMGA concluded the summer gardening season by hosting our final booth at the Minnetrista outdoor Farmers Market on Saturday, October 2. Extension Master Gardeners distributed 75 pumpkins to market attendees. It was such a great success that all the pumpkins were handed out within the first two hours of the market!

Our four Master Gardeners made over 90 connections with attendees during the day. We helped answer a variety of gardening topics such as how to winterize the garden and how to grow hostas, irises, peonies, and poppies.

We want to extend a special "thank you" to Wasson Nursery for donating 65 pumpkins for the event and for loaning us beautiful tabletop decorations comprised of Black-eyed Susans, Asters, Coreopsis, Hardy Cranesbill, and Coneflowers.

Baltimore City DPW GROW Center
**Virtual Rain Garden
Workshop**

Wednesday, October 20 | 5:30 pm

Green stormwater infrastructure is a cost-effective way to combat stormwater runoff and pollution. Rain gardens are a type of green stormwater infrastructure that helps mitigate pollution and flooding while also beautifying your property. Interested in building your own rain garden? Check out this new workshop hosted by the Baltimore GROW Center in partnership with University of Maryland Extension. You'll learn the basics of a rain garden, the benefits they provide, and how to successfully design and implement one on your property. The virtual workshop is FREE but registration is required. Register: www.eventbrite.com/e/how-to-build-a-rain-garden-tickets-170470704466.

Please contact anika.rutah@baltimorecity.gov with any questions.

Indiana Native Plant Society, Central Chapter
**Traditional Uses of
Indigenous Plants**
Wednesday, November 3 | 7pm

Karen LaMere, INPS Central Chapter board member, Carmel-Clay Parks Naturalist, and descendent of the Ho-Chunk Nation will discuss the use of plants and animals in the daily life of her ancestors. Her grandfather was born in a wigwam in La Crosse, Wisconsin. Karen has been working in the field of natural resources for 30+ years and is currently the naturalist for Carmel-Clay Parks and Recreation. Her past experiences include naturalist work at Eagle Creek Park, Merry Lea Environmental Center, Wisconsin DNR, and River Bend Nature Center. She received her Bachelor's degree in Biology from Olivet College and a Masters in Fisheries and Wildlife from Michigan State University.

This free event is open to everyone, but registration is required by midnight November 2. The program begins at 7:00 p.m. on Zoom. Register at <https://bit.ly/3nrtiKk>.

SAVE THE DATE!



2022 PURDUE EXTENSION MASTER GARDENER STATE CONFERENCE

*From a Distance: The Impact of the
Master Gardener on Community*

September 15-17, 2022

Marriott North at Keystone Crossing, Indianapolis, IN
Hosted by the Marion County Master Gardener Association
For more information visit:
<https://indymcmga.org/2022-mg-in-state-conference/>

An Equal Access/Equal Opportunity University





THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Fall 2021 Horticulture Happy Hour and Lunch & Learn Webinar Series

Wednesday, November 10 | 12 PM

Latin is a Language - Not Dead as Dead can Be

Jim Chatfield, Associate Professor Emeritus,
Horticulture & Crop Sciences and Plant Pathology,
The Ohio State University

Wednesday, November 17 | 4 PM

Homegrown Hops in Your Backyard

Brad Bergefjord, Extension Educator and
Horticulture Specialist, The Ohio State University

Wednesday, December 1 | 4 PM

The Basics of Viticulture

Dr. Maria Smith, Viticulture Outreach Specialist,
Hort and Crop Science, The Ohio State University

Master Gardeners may register for any of the
above virtual presentations by visiting the link
[mastergardener.osu.edu/resources/2021-2022-
hort-happy-hour-and-lunch-learn-webinar-series](https://mastergardener.osu.edu/resources/2021-2022-hort-happy-hour-and-lunch-learn-webinar-series)

Minnetrista Volunteer Opportunity

Minnetrista is preparing to start a major renovation project to the Nature Area. The work will include the removal of existing plants, moving stone and sediment, relocation of logs, installation of a series of steps, and planting new native plants. Volunteer opportunities will be available every Wednesday in October from 8 AM - 1:30 PM and 8 AM - 4 PM on Tuesday, October 12th.

Please contact Mary Zwickl, Human Resources Assistant at MZwickl@minnetrista.com or 765-287-3530 if you are available to help.

Cincinnati Zoo & Botanical Garden's Plant Trial Symposium Friday, November 19, 2021



Image: Turner Construction

The Cincinnati Zoo & Botanical Garden horticultural staff and volunteers, in conjunction with several other organizations, conducts plant trials on annuals, grasses, and perennials in accordance with regimented protocols. Such trials enable the staff to develop useful data for gardeners, other public gardens, plant producers, and others in the green community.

The Cincinnati Zoo & Botanical Garden's in-person Plant Trials Day symposium offers a way to highlight these findings and other noteworthy plants. Legendary plant hunter, nursery owner, author, and gardener Dan Hinkley will anchor the program. The seminar will also feature two up and coming professionals —Paul Westervelt from Saunders Nursery in Virginia and Jared Barnes from Stephen F. Austin University in Texas. Both have won the prestigious "Young Professional of the Year Awards" from the Perennial Plant Association and the "40 Under 40 Award" from Greenhouse Product News.

Coffee and pastries will be served at 8:00am-8:50 am. The symposium runs from 8:50 am - 5:00 pm with a lunch hour and two breaks. A social hour with a cash bar will occur from 5:00 pm - 6:00 pm. Admission is \$129 and covers the cost of the symposium, Zoo entry, parking, breakfast and lunch.

Register at: www.cincinnati-zoo.org/horticulture/horticulture-events/



UVM Extension Community Horticulture Annual Conference 2021

Gardening for Resilience

November 5-6 | Virtual

"Gardening for Resilience", the annual UVM Extension Master Gardener conference, will be held virtually on November 5-6, 2021, from 12-3:30 pm each day with recordings available to all registered participants.

The conference is for everyone who loves to garden in Vermont and beyond, providing advanced education for Extension Master Gardeners and garden enthusiasts!

This year, an amazing lineup of speakers will teach about indigenous agricultural practices and their application in today's gardens, how mycorrhizal fungi enhance plant health, mushroom foraging, heirloom plant cultivation, food resiliency, and how to develop community connections through gardens.

Registration is \$45 per person.

For a complete description of the education sessions and speaker backgrounds, and to register, visit www.uvm.edu/extension/mastergardener/uvm-extension-community-horticulture-annual-conference-2021.

For conference questions, please contact: cindy.heath@uvm.edu

Schedule of Events

Friday, November 5

| | |
|------------------|--|
| 12:00 - 12:05 pm | Welcome & Logistics |
| 12:05 - 12:10 pm | Land Acknowledgement |
| 12:10 - 12:55 pm | History of Indigenous Agricultural Practices & Their Application in Today's Landscapes |
| | Q&A Session |
| 12:55 - 1:25 pm | Fungal Consciousness: Embracing the Mycelium to Grow A Healthy Planet |
| 1:25 - 2:10 pm | Q&A Session |
| 2:10 - 2:40 pm | It's All Connected: Food Resiliency in Vermont |
| 2:40 - 3:10 pm | Q&A Session |
| 3:10 - 3:30 pm | Q&A Session |

Saturday, November 6

| | |
|------------------|---|
| 12:00 - 12:05 pm | Welcome & Logistics |
| 12:05 - 12:10 pm | Land Acknowledgement |
| 12:10 - 12:40 pm | Stories From Over the Garden Fence: Inspiring New Gardeners in Your Community |
| | Q&A Session |
| 12:40 - 12:55 pm | Growing & Foraging Mushrooms |
| 12:55 - 1:40 pm | Q&A Session |
| 1:40 - 2:10 pm | New Heirloom Garden Designs for Old-Fashioned Fragrance & Flavor |
| 2:10 - 2:55 pm | Q&A Session |
| 2:55 - 3:25 pm | Q&A Session |
| 3:25 - 3:30 pm | Closing & Door Prize Announcement |

Why Are There so Many Acorns This Year?

by Lenny Farlee and Lindsey Purcell | October 11th, 2021



If you have ever noticed acorns so numerous that you could not take a step without crushing several, you may be asking the question, "why are there so many acorns?" Some answers to this question can be found in the physiology and ecology of trees and their relationship to wildlife. Oaks and several other tree species occasionally produce enormous crops of seed. This is called "masting" or "mast events". These events are periodic. In the case of many oak species, a large mast event may happen every two to five years, depending on the species of oak and several other factors. Masting events may be preceded and followed by small or moderate acorn crops, or complete crop failures in some cases. Why does this irregular seed production happen? These events may be tied to several aspects of the life of oaks.

First, the production of a huge volume of a large seed like an acorn requires a lot of resources from the tree. This level of production may not be possible for the tree every year. Trees allocate energy to several different functions, so committing large amounts of energy to one area could mean deficits in others. This may mean there are advantages for the tree to produce occasional, rather than annual, mastings. (cont'd on next page)

Second, weather does not always cooperate to provide the conditions for a bumper acorn crop. Unfavorable weather during pollination and seed development periods can result in reduced production of acorns. Late spring freezes, extremely high temperatures, summer droughts and other weather stresses can reduce acorn pollination and production.

Third, predation by seed-eaters like squirrels, deer, turkey and even weevil larvae can greatly reduce the number of viable acorns. It may take a very large acorn crop to have many acorns escape from the numerous species that depend on acorns for food.

This irregular cycle of large crops can be beneficial for the oaks by overwhelming the seed eaters. Populations of wildlife that depend on acorns may eat most of the seed during normal seed crops, but may not be able to utilize all the seed produced during a masting. This surplus seed is available produce the next generation of oak seedlings.

However, some species will produce copious amounts of the mast if the developmental age of the tree is favorable, regardless of conditions.

Acorn production can vary by species and individual trees across the oak family, but masting is a way this important group of trees can continue to be a part of our Midwestern landscape.

Source: www.purdue.edu/fnr/extension/question-why-are-there-so-many-acorns-this-year/



Image: Songbird Garden

Plant Tip Spotlight: How to Care for Curcuma in the Winter

by Justin Hancock, Costa Farms | October 4, 2016

It's the time of year when we get lots of questions about how to care for curcuma in winter. These beautiful tropical plants are show stoppers with their unique, pine-cone-shaped flowers in glorious candy colors. The good news is that curcuma is a tropical perennial, so if you give it the right care throughout the year, you can enjoy its beauty outdoors in your yard for years to come.

Winter Care in Cold Climates

If you live in a cold-winter area (one that regularly experiences frosty or freezing temperatures), you'll need to bring your curcuma indoors to protect it from the chilly conditions. Like Northern perennials, though, curcuma needs to go dormant, so you can't treat it like a houseplant. Rather, you'll need to store the tubers in a cool, dry place.

For curcuma planted in the ground, carefully dig the tubers in fall, when the plant's foliage begins to turn yellow. Gently clean loose soil from

the tubers, then let them dry in a warm, sunny place for a day or so. Once the tubers are dry, store them in a container with coarse sand or peat moss. Don't seal the container -- let it breathe. It's best to store curcuma tubers in a cool place (50F/10C) over winter. You don't want the tubers to completely dry up over winter, so sprinkle just a small splash of water in the sand/moss periodically.

For curcuma in containers, you can stop watering the container once the foliage starts to go yellow. Let the potting mix dry (and remove any other plants that may be growing with the curcuma), then you can store the entire pot in a cool place (50°F/10°C) for winter. Sprinkle just a bit of water in the pot a couple of times over winter so the tubers don't completely dry out.

Bring your curcuma back outdoors to a shaded or partly shaded spot in spring after all danger of frost has passed. With warm temperatures



Image: Costa Farms

and moisture, the tubers should quickly resume new growth.

That's how easy it is to care for curcuma in winter. Once they go dormant, you can basically ignore them!

source:

costafarms.com/blog/how-to-care-for-curcuma-in-winter/

The Rinard Orchid Greenhouse is Expanding!

by Kyle Koger

On Saturday, October 16, the Friends of the Rinard Orchid Greenhouse hosted a virtual and in-person fundraiser to celebrate the proposed Gateway Plaza.

Dr. Tim Carter, Director of Field Stations and Environmental Education Center, welcomed attendees and expressed his excitement for the project. Tim acknowledged the success of the project was based on the support of the Friends of Rinard Orchid Greenhouse (ROGH) and several generous donors including Dr. Joe Rinard, Jean Gadziola, AEP (American Electric Power), and Jose and Jeff Fox.

Cheryl LeBlanc, curator of the ROGH, provided an overview of Greenhouse Expansion project. Cheryl stated that the Rinard Orchid Greenhouse (ROGH) has been an integral education facility on the Ball State University Campus for over 50 years. The ROGH is home to the Wheeler-Thanhauser Orchid Collection and Species Bank, and the Betty Kendall Ladyslipper Orchid Collection. The greenhouse is a part of Christy Woods, which is one of six properties managed by the university as an outdoor learning laboratory and natural resource environment.



ABOVE: Orchid Curator Cheryl LeBlanc speaks during the Gateway Plaza fundraiser on Saturday, October 16

Cheryl recounted that a new greenhouse was required about 10 years ago when the current plant collection outgrew the space available in the previous greenhouse. The Friends of ROGH group along with members of the Ball State University faculty began planning and fundraising to build a new greenhouse and education facility to serve the needs for the campus and community.

While the new greenhouse facility was constructed with expanded space, new technology and equipment, and a new conservatory, funding at the time did not allow the Friends Group to fully implement their comprehensive vision.

Cheryl indicated that the visitation to the greenhouse has greatly increased over the last 7 years in response to the addition of the new greenhouse facility and increased education and programming opportunities. Cheryl indicated that about 1,000 students, residents, and visitors visited the greenhouse seven years ago. In 2017, the new greenhouse hosted over 6,000 visitors annually.

A new full-time educator position was created in 2018 to address the growing need to provide education and outreach to increased foot traffic. Since becoming the Environmental Education and Greenhouse Coordinator, Erica Oliver (née Forstater) has helped to develop multi-disciplinary environmental education in natural settings for students of all ages. In 2019, the ROGH's education programs helped to serve over 11,000 K-12 graders and college students. To address the COVID pandemic, the greenhouse hosted over 9,000 people in 2020 through the creation of socially distancing programming and online resources.

Erica said that the biggest challenge she faces is the need for indoor space to host events, classes, and programs. She hopes to increase their education outreach with the addition of the indoor nature laboratory, expanded conservatory, and gateway plaza as part of the Greenhouse Expansion project. In addition, Eric said that the new classroom space will also be made available to host meetings for the Robert Cooper Audubon Society, local Scout groups, and other community organizations.



Erica introduced Friend of the ROGH Board Member, Daniel Stallings. Daniel stated that the focus of the greenhouse expansion is all about nature education. He went on to describe several of the features of the new Gateway Plaza. The Gateway Plaza is designed to be a welcoming experience to all those who visit the ROGH. It will be opened to the public 24 hours a day, 7 days a week. It will be connected to other campus buildings through the future bike and pedestrian BSU Arts and Culture Trail. The plaza will include temporary and permanent public artwork, sculptures, murals, and new landscaping, and seating.

To date, the Friends group has already pledged \$15,000 of the \$35,000 needed to construct the plaza improvements.

Daniel announced that Cheryl LeBlanc will be retiring as curator of the ROGH after 29 years of service next spring. In honor of her service, the Friends group will be commissioning a new memorial bench that will be installed in the plaza. Daniel encouraged attendees to donate online (bsu.edu/give) to BSU fund #911 now through December 31st. Supporters will receive a 1-year membership to the Friends of ROGH through December 2022.

Dr. Carter introduced guest speaker Joshua Coggeshall, an Associate Professor of Architecture at Ball State University. Mr. Coggeshall spoke on the value of public spaces and the investment of public art. He indicated that public spaces allowed residents to assimilate together and to engage in nature. He stated that the new Gateway Plaza space will allow Muncie to attract and retain talented professionals and improve quality of life for the residents of the community.

Mr. Coggeshall also spoke about the success and generosity of the local Muncie community who rallied around the installation of public art on the BSU campus. Josh noted that the renowned sculpture Daniel Chester French was commissioned by the Muncie Chamber of Commerce to create Beneficence, the iconic sculpture located on the Ball State University campus, to commemorate the generosity of the Ball Family. To finance the piece of art, over 11,000 residents (1/4 of the population at the time) made a financial contribution raised over \$50,000 (\$750,000 in 2021) for the project.

Dr. Carter and Erica concluded the presentation by thanking attendees and answering questions from the audience.

To learn more about the ROGH Expansion Project, visit:

www.bsu.edu/academics/centersandinstitutes/fseec/properties/christywoods/greenhouses/orchidgreenhouse



Plant Swaps:

5 Native Plant Substitutes for Fall Gardens and Potted Displays

by North Creek Nurseries

Annual mums, potted cabbage, and ornamental grasses are decking patios everywhere at this time of year but we'd like to explore wonderful native plant alternatives. A lot of times, suggested native plant swaps lose something in translation from the original annual display plants- either in timing, habit, or flower form and color.

While native plants won't be identical to their ever-accessible counterparts, part of swapping out with native plants is encouraging people to think differently about their landscapes and making native plants easy for them to try. Gardeners may not even know that there's a native plant alternative to garden mums, ones where native plants are bred to be the right scale for their home and garden pots. These substitutions won't be a compromise in beauty or function for the gardeners weaving more native plants into their designs.

So, go on. Pot these native alternatives into porch containers or plant them into the garden!

Swap #1:

From potted mums to... native aster, goldenrod, & Heleniums!

Try: *Aster novae-angliae* 'Purple Dome', *A. oblongifolius* 'October Skies', *Helenium* 'Mardi Gras', & *Solidago sphacelata* 'Golden Fleece'

Swap #2:

From Chinese silver grass to... native warm-season grasses!

Try: *Andropogon gerardii*, *Chasmanthium latifolium*, *Panicum virgatum* 'Shenandoah', & *Schizachyrium scoparium* 'Standing Ovation'

Swap #3:

From annual sunflowers to... perennial sunflowers & ox-eye daisies!

Try: *Coreopsis palustris* 'Summer Sunshine', *Heliopsis helianthoides* var. *scabra* 'Burning Hearts', & *Helianthus salicifolius* 'Autumn Gold'

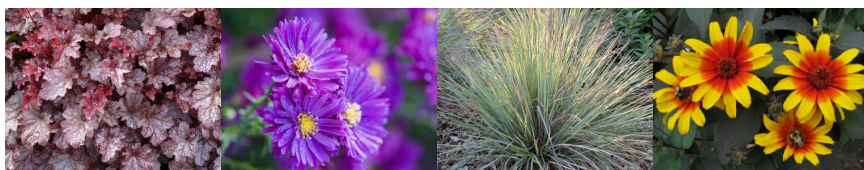
Swap #4:

From non-native grasses to... native grasses & textured perennials!

Try: *Amsonia hubrichtii* & *Vernonia lettermannii* 'Iron Butterfly'

Swap #5: From cabbage to... native evergreen basal foliage!

Try: *Lobelia cardinalis* 'Black Truffle', *Heuchera* 'Plum Pudding', *Penstemon digitalis*, *Tiarella cordifolia*, & *Packera* species



Source: us3.campaign-archive.com/?u=31ce0bd7b5fcee61913ddeac7&id=09a405d3a4