

WEED 'EM AND REAP

THE NEWSLETTER OF THE DELAWARE COUNTY MASTER GARDENER ASSOCIATION | NOV/DEC 2019

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QUESTIONS?

Contact the helpful staff of the Delaware Co. Extension Office
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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 start of a new gardening season! The first meeting of the year will occur on **Wednesday, January 22** at Minnetrista, 1200 N Minnetrista Parkway, Muncie. Social time with refreshments will begin at 6:30 PM followed by a presentation at 7:00 PM. The presentation, *Get to Know Your Master Gardener*, will introduce attendees to each committee and upcoming volunteer opportunities for the 2020 year.

All are welcome to attend. Contact Sarah Kreps with questions.

Educational Hour Opportunities

Purdue Extension Master Gardeners are required to report at least 6 hours of educational training to their Purdue Extension County Coordinator each year.

Still looking for a way to obtain a few additional educational training hours before the end of the year? Visit the Purdue Master Gardener webpage to discover several in-person and on-line opportunities.

www.purdue.edu/hla/sites/master-gardener/education-hours-opportunities/



Did you know the Purdue Master Gardener Program Policy Guide (MG-5-W) has been revised to include important information? Check your email for a special announcement from the Extension office soon! The revised guide will go into effect next year.

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 regard 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.

Treasurer's Report

November 2019



| Date of Report: 11/17/2019 | 01/31/19 | 02/28/19 | 03/31/19 | 04/30/19 | 05/31/19 | 06/30/19 | 07/31/19 | 08/31/19 | 09/30/19 | 10/31/19 | 11/30/19 | Total |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| Balance Brought Forward | \$10,867.63 | \$10,828.10 | \$10,701.83 | \$10,702.26 | \$9,166.55 | \$12,159.09 | \$11,665.17 | \$12,382.56 | \$12,383.08 | \$12,458.40 | \$13,632.62 | |
| Income | \$60.47 | \$90.42 | \$0.43 | \$615.46 | \$3,089.19 | \$0.47 | \$871.55 | \$100.52 | \$415.54 | \$2,549.05 | \$130.00 | \$7,933.10 |
| Expenses | \$100.00 | \$216.69 | \$0.00 | \$2,151.17 | \$106.65 | \$494.39 | \$154.16 | \$100.00 | \$340.22 | \$1,374.83 | \$382.43 | \$5,420.54 |
| Balance On Hand | \$10,828.10 | \$10,701.83 | \$10,702.26 | \$9,166.55 | \$12,159.09 | \$11,665.17 | \$12,382.56 | \$12,383.08 | \$12,458.40 | \$13,632.61 | \$13,380.19 | |
| Income | | | | | | | | | | | | |
| Annual Master Gardener Dues | \$900.00 | \$60.00 | | | | | | | \$400.00 | \$40.00 | \$130.00 | \$670.00 |
| Banquet | \$900.00 | | | \$615.00 | | | | | | | | \$615.00 |
| Garden Walk | \$400.00 | | | | | | \$471.00 | | \$15.00 | | | \$486.00 |
| Growing Through Gardening | \$2,200.00 | | \$50.00 | | \$135.00 | | | \$100.00 | | \$1,018.50 | | \$1,303.50 |
| Kids Camp ~ Future MG | \$350.00 | | | | \$170.00 | | | | | | | \$170.00 |
| Kids Camp ~ Mini MG | \$350.00 | | | | \$310.00 | | | | | | | \$310.00 |
| Plant Sale | \$2,500.00 | | | | \$2,468.70 | | | | | \$1,000.00 | | \$2,468.70 |
| Walmart Volunteer Grant | \$1,000.00 | | | | | | | | | | | \$1,000.00 |
| Bank Interest | | \$0.47 | \$0.42 | \$0.46 | \$0.49 | \$0.47 | \$0.55 | \$0.52 | \$0.54 | \$0.55 | | \$4.90 |
| Miscellaneous & Clearing Acct | | | | | \$15.00 | | \$400.00 | | | \$490.00 | | \$905.00 |
| Total | \$8,600.00 | \$60.47 | \$90.42 | \$0.43 | \$615.46 | \$3,089.19 | \$0.47 | \$871.55 | \$100.52 | \$415.54 | \$2,549.05 | \$7,933.10 |
| Expenses | | | | | | | | | | | | |
| Farm Fest | \$350.00 | | \$50.00 | | \$283.66 | | | | | | | \$333.66 |
| Farmers Market | \$200.00 | | | | | | | | | \$60.00 | \$120.00 | \$180.00 |
| Garden Fair | \$100.00 | | | | | | | | | | | \$0.00 |
| Garden Walk | \$300.00 | | | | | \$158.50 | \$35.06 | | | | | \$193.56 |
| Growing Through Gardening | \$1,250.00 | | \$50.00 | | | | \$17.12 | | \$1.00 | \$430.39 | \$240.08 | \$738.59 |
| Kids Camp: Future Master Garden | \$650.00 | | | \$153.00 | \$0.80 | \$185.94 | | | \$12.41 | | | \$352.15 |
| Kids Camp: Mini Master Gardener | \$650.00 | | | \$298.50 | \$3.24 | \$92.45 | \$1.00 | | \$13.81 | | | \$409.00 |
| Plant Sale | \$550.00 | \$100.00 | | \$200.00 | \$88.16 | | | | | \$50.00 | | \$438.16 |
| Scholarship ~ MG Training | \$150.00 | | | | | | | | | | | \$0.00 |
| Tree Committee | \$500.00 | | | | | | | | | | | \$0.00 |
| Washington Street Festival | \$100.00 | | | | | | | | | | \$17.35 | \$17.35 |
| New Events | \$0.00 | | | | | | | | | | \$5.00 | \$5.00 |
| Association Expenses | | | | | | | | | | | | |
| Annual Awards Banquet | \$900.00 | | | \$794.01 | \$14.45 | | | | | | | \$808.46 |
| Board Expenses | \$100.00 | | | \$22.00 | | | | | | | | \$22.00 |
| Booklets | \$150.00 | | \$116.69 | | | | | | | | | \$116.69 |
| Donations & Sponsorships | \$250.00 | | | | | \$11.00 | | | | | | \$11.00 |
| Fall Family Potluck | \$150.00 | | | | | | \$74.73 | | | | | \$74.73 |
| Hospitality | \$100.00 | | | | | | \$26.25 | | | | | \$26.25 |
| Insurance | \$350.00 | | | | | | | | \$313.00 | | | \$306.00 |
| Marketing & Event Supplies | \$500.00 | | | | | | | | | | | \$106.44 |
| Meeting Facilities & Speakers | \$200.00 | | | | | | | \$100.00 | | | | \$100.00 |
| Postage | \$100.00 | | | | | | | | | | | \$0.00 |
| Printing & Copies | \$50.00 | | | | | | | | | | | \$0.00 |
| Purdue Extension Expenses | \$150.00 | | | | | | | | | | | \$46.50 |
| Website Hosting & Maintenance | \$250.00 | | | | | | | | | \$245.00 | | \$245.00 |
| Miscellaneous & Clearing Acct | \$0.00 | | | \$400.00 | | | | | | \$490.00 | | \$890.00 |
| Total | \$8,050.00 | \$100.00 | \$216.69 | \$0.00 | \$2,151.17 | \$106.65 | \$494.39 | \$154.16 | \$100.00 | \$340.22 | \$1,374.83 | \$5,420.54 |

Notes:

*January: \$100 Deposit on Plant Sale Facility being carried over to 2020

*April: \$400 Miscellaneous Withdrawal used for Cash Box change for Plant Sale and Garden Walk.

*May: \$15 Misc Income from J. Gadziola. Paid for Banquet but did not attend.

*October: \$490 Miscellaneous Withdrawal used for Cash Box change for Growing Through Gardening Expo

Delaware County Master Gardener Association

Approved 2020 Budget

| | 2019 Budget | 2019 Actual Expenses | 2020 Budget Recommendation |
|------------------------------------|-------------------|-------------------------|-------------------------------|
| Current Projects | | | |
| Farm Fest | \$350.00 | \$333.66 | \$300.00 |
| Farmers Market | \$200.00 | \$60.00 | \$200.00 |
| Garden Fair | \$100.00 | n/a | n/a |
| Garden Walk | \$300.00 | \$193.56 | \$300.00 |
| Growing thru Gardening | \$1,250.00 | \$498.51 | \$1,000.00 |
| Kids Camp: Future Master Gardeners | \$650.00 | \$352.15 | \$650.00 |
| Kids Camp: Mini Master Gardeners | \$650.00 | \$409.00 | \$650.00 |
| Plant Sale | \$550.00 | \$438.16 | \$500.00 |
| Scholarship, M.G. Training | \$150.00 | \$0.00 | \$300.00 |
| Tree Committee | \$500.00 | \$0.00 | \$500.00 |
| Old Washington Street Festival | \$100.00 | \$0.00 | \$100.00 |
| | | | |
| New Projects | | | |
| Muncie Children's Museum | | | \$200.00 |
| 30th Anniversary Committee | | | \$200.00 |
| State Conference M.G. Booth | | | \$100.00 |
| | | | |
| Association Expenses | | | |
| Annual Awards Banquet* | \$900.00 | \$808.46 | \$500.00 |
| Board Expenses | \$100.00 | \$22.00 | \$100.00 |
| Booklets | \$150.00 | \$116.69 | \$150.00 |
| Donations & Sponsorships | \$250.00 | \$11.00 | \$200.00 |
| Fall Family Potluck | \$150.00 | \$74.73 | \$150.00 |
| Hospitality | \$100.00 | \$26.25 | \$100.00 |
| Insurance | \$350.00 | \$306.00 | \$350.00 |
| Marketing & Event Supplies | \$500.00 | \$106.44 | \$250.00 |
| Meeting Facilities & Speakers | \$200.00 | \$100.00 | \$200.00 |
| Postage | \$100.00 | \$0.00 | \$50.00 |
| Printing & Copies | \$50.00 | \$0.00 | \$50.00 |
| Purdue Extension Expenses | \$150.00 | \$46.50 | \$150.00 |
| Website Hosting & Maintenance | \$250.00 | \$245.00 | \$250.00 |
| Total | \$8,050.00 | \$4,148.11 | \$7,500.00 |

Meeting Minutes

Wednesday, October 23, 2019



MONTHLY PROGRAM

Forty-one Master Gardeners and guests were in attendance.

The October meeting featured an educational presentation by Martha McClurg, MPH, RD, CD. Martha is a dietician and Master Gardener. She and her husband, Josiah have a daughter named Eve.

Martha's presentation, *Gardening Through a Nutrition Lens: tips for being a nutritionally minded gardener*, focused on using unusual produce, tips for storing herbs, and ways to donate a surplus of garden produce.



Above: Roasted Butternut Squash

Martha continued her presentation by discussing the drying and freezing methods of preserving herbs.

Martha concluded her presentation by discussing how gardeners can donate their surplus of garden fruits and vegetables. Donated produce needs to be of similar quality to something you would consider eating. The food should be high quality and free of blemishes. Gardeners should avoid donating produce that has broken skin or that have been improperly stored. Martha suggested protecting the donated produce from pet feces and preventing chemical overspray from nearby lawns and fields.

Locally, the Muncie Mission (1727 S Liberty Street, Muncie) accepts fresh or shelf-stable fruits and vegetables. Contact Anna Baldwin, 765-288-9122 ext. 102 with questions. Second Harvest Food Bank of East Central Indiana (6621 N Old SR 3, Muncie) also accepts produce. Contact Erin Rockhill, 765.287.8698 to donate items. In addition, Martha indicated that the website ampleharvest.org is a great resource to search and find donation sites within the community.

Martha answered audience questions after the presentation. Martha recommended cleaning fresh produce by rinsing and scrubbing the fruit or vegetable with running water. A 1:3 ratio of white vinegar and water can be used to create a slightly stronger cleaning regimen. However, Martha indicated that the produce should be rinsed under cold running water before consumption if vinegar is used.

Purdue Extension has a good article, extension.purdue.edu/white/article/29207 on fruit and vegetable safety.



Above: Martha and her family.

Squashes are high in fiber and beta-carotene. Squash can be used in soups, stews, and casseroles as well as to cook bread and muffins. Prior to cooking with squash, gardeners should cut the squash in half, remove the seeds, and place the cut-side down on a greased baking sheet. The squash should bake at 350-deg F for 30 to 40 minutes, or until flesh is soft.

Martha also suggested using dried beans in salads, enchiladas, bean dip, or to make refried beans. Beans are high in fiber and iron and a good source of protein. Martha recommended consuming adequate amounts of fluids when increasing consumption of beans in order to avoid gastrointestinal distress. Gardeners should allow the beans to dry on the vine, remove them from the shell, and store in an air-tight container until ready to use.

CALL TO ORDER

President Dottie Kreps called the annual business meeting to order at 8:15 PM.

APPROVAL OF MINUTES

The September DCMGA meeting minutes were approved as written in the newsletter.

TREASURER'S REPORT

Treasurer Kate Bell was not present. President Dottie Kreps announced that the current balance of \$13,632.61 was shared in the October newsletter. Monthly income included \$40 in membership payments, \$1,018.50 Growing Through Gardening profit, \$1,000 for a Walmart Volunteer Grant (submitted by Nancy Miller), \$0.55 interest, and \$400 for miscellaneous account clearings. Expenses included a \$60 payment for the Minnetrista winter farmers market, \$430.39 payment for the Growing Through Gardening Expo, and a \$50 payment for the Plant Sale. Additional association expenses included a \$105 payment for marketing and event supplies and \$245 for the DCMGA website hosting and maintenance service. The treasurer's report was approved.

COMMITTEE REPORTS

Growing Through Gardening

Committee chairperson Kathy Hutson announced that the Growing Through Gardening Expo was held on Saturday, October 12 and had a great turnout of attendees. Kathy acknowledges the help of all volunteers and committee members who made the event a great success. Kathy reported that the committee received positive feedback and suggested from Master Gardeners and those who attended the event. The silent auction raised \$750 for the organization. An additional \$100 was received from the make-and-take workshops, and \$250 was raised through sponsorships. Minnetrista did not charge the DCMGA for using their facility for the event.

Budget Committee

The budget committee includes Kate Bell (Treasurer) and Mary Ippel. The proposed budget for 2020 is attached to the newsletter for reference. A new committee and budget was requested to organize the DCMGA 30th Anniversary. The committee requested a budget of \$200. The 2020 DCMGA budget was unanimously approved.

OLD BUSINESS

Spring Banquet

The DCMGA will be celebrating its 30th anniversary in 2020. Special events are planned during the Spring Banquet in April. The floor was opened to discussion on the format of the banquet meal: catered or a pitch-in with the main dish provided. The floor was divided on the subject. A decision was tabled. Further comments should be provided to Dottie Kreps. The Executive Board will take all comments under consideration and vote on a resolution at the next Executive Board meeting.

The banquet budget was requested at \$900.

Committee Status

Dottie reminded members that all Master Gardener committees require a chair or co-chairperson and a vice-chairperson. Current committee leadership includes:

Delaware Co. Farm Festival

Chairperson: HC Cross, Co-Vice Chairpersons: Kate Bell and Marry Ippel

Future Gardener Camp

Chairperson: Dottie Kreps, Vice-Chairperson: Vacant

Minnetrista Garden Fair

Chairperson: Dottie Kreps, Vice-Chairperson: Vacant

Old Washington Street Festival

Chairperson: Laura Shadoin, Vice-Chairperson: Vacant

Spring Plant Sale

Chairperson: Nancy Reynolds, Vice-Chairpersons: Don Vogelsang and John Huber

Tree Committee

Chairperson: Mary Ippel, Vice-Chairpersons: Kate Bell and HC Cross

Growing Through Gardening Expo

Chairperson: Sandy Kreps, Vice-Chairperson: Deanna Hines

The Minnetrista Farmers Market, Master Gardener booth at the State Fair, and Master Gardener booth at the Flower and Patio Show do not require a chairperson as these events only require scheduling of volunteers.

Contact Dottie if you would like to fill the position of one of the vacant chairperson spots.

Membership Dues

Dottie reminded all members the 2020 DCMGA membership dues need to be paid by the end of the year (December 31, 2019). Dues for 2021 will be due by the end of October 2020. All volunteer and educational hours need to be submitted online by the end of the year as well. Master Gardeners need to agree to and sign the digital version of the Annual Master Gardener Agreement form too. Master Gardeners should contact the Extension Educator Laurynn Thieme with questions or assistance with recording hours.

New Idea Proposal Form

A question was asked in regards to how Master Gardeners should submit new ideas or events for recommendation by the DCMGA. Dottie Kreps proposed creating a form that would be distributed to members. The form will list the program's chairperson and co-chairperson, location of event, how it will impact the community, and how many volunteer hours will be needed to complete the program. The project proposal form will be presented to the Executive Board for review. The form will then be presented to the membership for a vote at the January 2020 meeting.

New Executive Officers

The Nomination Committee presented the slate of candidates for open Executive Board positions. Those nominees include:

President: Sarah Kreps
1st Vice-President: Mary Ippel
2nd Vice-President: John Huber
Treasurer: Kate Bell (incumbent)
Secretary: Deanna Hines (incumbent)
Historian: Julia Mason
At-Large Member: Chris Allen
At-Large Member: Judy Turner (incumbent)
At-Large Member: Barry Turner (incumbent)

Dottie Kreps is the Immediate Past President.

The floor was open for other nominations. No new nominations were presented. A motion was passed by Virgil Ford to accept the slate of candidates,

seconded by Nancy Miller. The slate of candidates was unanimously approved. Dottie announced that she would briefly meet with the new board members after the meeting.

DCMGA Mascot

Kathy Hutson announced the winner of the DCMGA mascot contest. Barb Crawford was the winner with her mascot character, "Spout". Barb received her membership dues paid for the next year as well as a cub and bag. Barb's design will be used on future DCMGA promotional materials.

NEW BUSINESS

Mark Kreps reminded members about the upcoming Local Food Summit at Ball State University. The summit is open to the public. It will be held at the Alumni Center on Wednesday, November 6. Mark asked if attendance at the event would qualify for education hours. IT was confirmed that the event could qualify for education hours.

October birthdays were recognized.

Master Gardener Kathy Hutson will be leaving the DCMGA group on October 24th. She will be moving with her husband, Tim to Arizona. The group thanked Kathy for her service to the Master Gardener program.

The group also acknowledged Dottie Kreps for her work and leadership as the immediate Past President. Dottie served as president for four years.

Dottie announced that the next meeting would occur on the fourth Wednesday of January 2020. The next executive board meeting will occur during the first week of January.

EXTENSION REPORT

No extension report was provided.

ADJOURNMENT

Having no other business to discuss, the meeting adjourned at 8:50 PM.

Respectfully submitted,

Deanna Hines

Rinard Orchid Greenhouse
Holiday in Bloom
 Sat., December 7 | 6-9 PM



Mark your calendars for the annual *Holiday in Bloom* event at the Rinard Orchid Greenhouse on Saturday, December 7th. This annual open house allows guests to explore the greenhouse at night adorned with seasonal decorations. Festive music from Ball State University's student acapella group and will serenade attendees. Activities for children and the Friends of Rinard Orchid Greenhouse silent auction will also occur throughout the evening. The open house begins at 6:00 PM and concludes at 9:00 PM.

The *Holiday in Bloom* takes place concurrently with the annual Minnetrista Enchanted Luminairia Walk and Ball State University's Community Open House. Patrons will have the opportunity to explore the Minnetrista Cultural Center, visit the David Owsley Museum of Art, and watch glass blowing demonstrations at the Marilyn K. Glick Center for Glass on the Ball State University campus.



FUN FACT:

According to data provided by the United States Department of Agriculture, Oregon (#1) and North Carolina (#2) are the largest producers of live Christmas trees in the country. It takes about 8 to 10 years for trees to reach a mature height for harvesting.

Mark Your Calendars!
Indiana Bee School XVIII
 Saturday, February 29

Decatur Central High School
 5251 Kentucky Avenue, Indianapolis, IN 46221

For more information, or to register, visit
www.indianabeekeeper.com.



Newfields'
Winterlights
 Nov. 23 - Jan. 5 | Indianapolis



It's very merry. It's really bright. Winterlights returns for a third year, making it an official holiday tradition in Central Indiana. Create even more memories this season with friends and family as you stroll through the spectacular Winter Wonderland, sip apple cider or hot chocolate and make s'mores over a fire pit.

Watch lights dance to music on the Lilly House lawn and stop to take photos at the Snowflake Bridge, Frosted Forest and other illuminated displays throughout the grounds. Special glasses will be available that transform every one of the 1.5 million lights into a shimmering snowflake.

Guests can also revisit another beloved Newfields tradition, *Deck the Halls* at the Lilly House. Each room in the elegant, historic mansion will feature decorative surprises, including beautiful holiday floral arrangements.

Adult admission is \$25 (\$20 if purchased prior to December 3); youth \$17. Purchase timed tickets online at discovernewfields.org/winterlights. With over 100,000 guests expected, tickets to Winterlights sell out quickly and are non-refundable. If you need assistance with your tickets, please contact Guest Services at 317.955.2339 prior to your ticket date.



Follow us on Facebook!
 @DelcoMGAssociation

Save the Date!

2020 State Conference September 10-12, 2020

What better way to spend a weekend than with a group of fellow Master Gardeners. Hosted by the Hamilton County Master Gardener Association, the bi-annual State Conference offers many fun presentations, tours, activities, and special events for Master Gardeners.

The 2020 State Conference will be held at the Hamilton County Fairgrounds, 2003 Pleasant Street, Noblesville.

Registration will be available during the Spring of 2020. Visit hcmga.org/2020sc to learn more.

Opt Outside with Indiana DNR



Don't let holiday shopping get you down.
#OptOutside with the Indiana DNR on
Black Friday, November 29th.

Indiana residents will be able to enjoy **free entry** to DNR properties and **20% off** Indiana State Park Inns meals (tell wait staff you're "opting outside").

*Placing plants in a windowless
space increases reaction time
to computer tasks by 12%*



- source: National Initiative for
Consumer Horticulture (NICH)

Hamilton Co. Master Gardener Assoc.'s 3rd Annual Central Indiana Seed Swap Saturday, January 25, 2020



image: file photo

Join the Hamilton County Master Gardener Association for a free seed swap on Saturday, January 25, 2020 from 9:00 AM to 2:00 PM. Gardeners will be able to buy/sell/trade seeds from other attendees and vendors. Attendees need not bring seeds to participate. Food will be available for purchase. Special garden presentations will be given throughout the day.

The event will be held at the Hamilton County Fairgrounds, 2003 Pleasant Street, Noblesville.

Interested in becoming a vendor? Contact jlambert5283@yahoo.com to register.

New Project Form

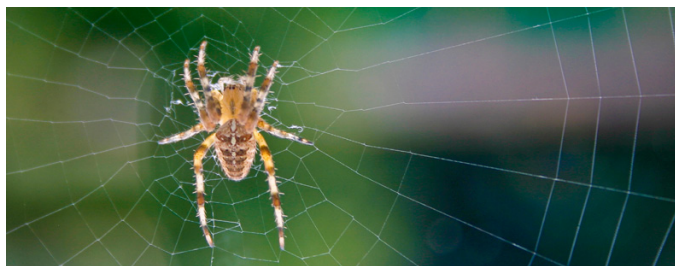
A new project proposal form has been established to help the DCMGA effectively allocate money to community-base projects, be more efficient with resources, and verify that all projects align with the mission of the Purdue Master Gardener program. The form, found on page 14 of the newsletter, will go into effect January 2020 for all new projects.

Master Gardeners with new project ideas should complete the form and return it to an Executive Board member for review and consideration. Questions or suggestions about the form should be directed to Dottie Kreps.

Marion Co. Soil & Water Conservation District

Growing Food with Beneficial Insects and Pollinators

Friday, December 6 | Indianapolis



Learn about utilizing native and targeted plantings for beneficial insect and pollinator populations on your farm or garden. Pest pressure can be one of the biggest challenges in organic gardening, and this workshop is dedicated to attracting favorable insects to work the front lines of pest control.

Agenda

9:00 a.m. - 9:30 a.m.

Refreshments & Coffee

9:30 a.m. - 11:00 a.m.

Heather Holm, award-winning author of *Pollinators of Native Plants and Bees*, will discuss strategies to attract specific bees and beneficial insects to increase pollination and reduce insect pest populations in fruit and vegetable gardens.

11:15 - 12:00 p.m.

Elli Blaine, Marion County SWCD, will present best management practices for planting native plants in or near the garden, including considerations for spacing, timing, plant species selection, sourcing, cost, and planting methods.

12:00 p.m. - 1:00 p.m.

Lunch Provided by Duos Catering and Networking

The workshop will occur at the Holliday Park Nature Center, 6363 Spring Mill Road, Indianapolis.

Tickets are \$12. Visit [eventbrite.com](https://www.eventbrite.com) or call (317) 786-1776 to purchase tickets.

This program is organized by the Marion County SWCD, with support from Clean Water Indiana and the Marion County Farm Bureau.

Hancock Co. Master Gardener Association's

2020 Monthly Programs

Dates Vary | Greenfield

Join the Hancock County Master Gardeners Association every 4th Thursday of the month for Community Educational Programs that discuss fun, interesting, and unique gardening-related topics. The programs are held at the Hancock County 4-H Extension office in Greenfield. Programs begin at 6:30, followed by the HCMGA business meeting.

JAN. 23: LEAVE IT TO BEAVERS

The fascinating story of beavers in North America and their impact in transforming and reviving our landscape.

FEB. 27: TERRARIUMS & MINI GARDENING

Darlene Trusty will demonstrate how to make terrariums and miniature gardens.

MARCH 26: GROWING HOPS IN INDIANA

Ryan Hammer, owner of Crazy Horse Hops, will discuss hop cultivation and production.

APRIL 23: MONARCH BUTTERFLIES

Biology teacher Kristen Carlsen will discuss the butterfly's life cycle, their importance, and how to protect these vital creatures.

MAY 28: CREATING A HABITAT

Master Gardener Mary Ann Whietbrock will talk about building mini ecosystems.



Indiana Organic Gardeners Association's

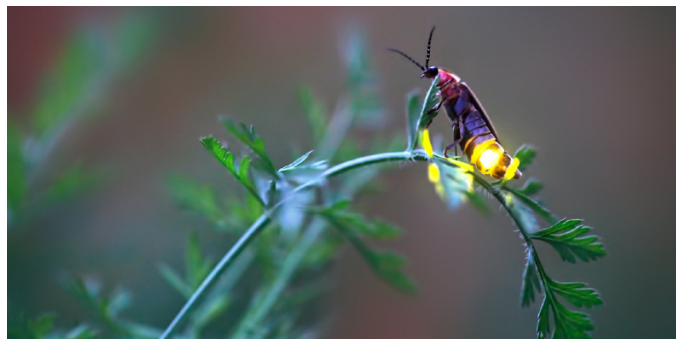
Quarterly Meeting

Sat., January 19 | Indianapolis

Join the IOGA at 11:10 am for a pitch-in lunch, business meeting and educational lecture at the Franklin Road Branch Public Library, 5550 S. Franklin Road, Indianapolis. Gardener and freelance writer Carol Michel will provide a presentation at 1:10 pm.

All are welcome! Attendees should bring a favorite homemade or organic dish, dinnerware, and drink. Questions, or if lost, call Margret Smith, 317-698-0526.

Fireflies: Jewels of the Night



Fireflies are some of our most cherished and celebrated insects, dazzling us with their beautiful light displays and playing important roles in human medicine, technology, and culture. Ecologically, they are significant predators in local food webs and serve as prey to other animals.

Despite their significance, firefly populations appear to be in decline. Some of the key threats thought to be affecting firefly populations include habitat loss and degradation, light pollution, pesticide use, and climate change-induced drought.

You can watch Candace Fallon, Senior Endangered Species Conservation Biologist with the Xerces Society, at the link below for a presentation on firefly biology, habitat needs, and what you can do to help conserve these amazing creatures.

<https://youtu.be/uJqKStBOLHc>

REAL OR FAKE TREE?

On average, an artificial tree is used by a household for 7 years before it is thrown away. A Christmas tree is typically displayed for 1 month of the year. Therefore, the tree's useful lifespan will only be reached 7 months, while remaining in a landfill indefinitely. Even if it were to be used for 20 holiday seasons, it's still going to end up in a landfill far longer.

Live Christmas trees, however, are both a renewable and biodegradable natural resource. On average it takes about 7-10 years to raise a Christmas tree to marketable size. During that time, it is absorbing carbon dioxide and filtering air pollutants, and

(continued above)

releasing oxygen. Live Christmas trees also provide watershed protection and are excellent habitats for songbirds and other wildlife.

Learn more from the Indiana DNR, Division of Forestry about live trees, how to select them, and how to keep a live tree fresh and safe at www.in.gov/dnr/forestry/7561.htm.

Three Hoosier Gardens Named AAS Winners

The AAS *Design Challenge Contest* judges display gardens that incorporate All-American Selections Winner plants within the garden design. Gardens have the option to incorporate more than 85 years of past AAS Winners. Each display garden is responsible for creating and executing a design incorporating the yearly theme and to generate publicity surrounding the contest. This year's gardens featured a theme of, **"Re-Use, Recycle, Re-Imagine!"**

All-America Selections is pleased that such a broad range of garden types have participated in the contest for 2019: large and small public gardens, seed companies, community gardens, master gardener programs and university gardens. Three Indiana gardens received recognition this year:



First Place, 0-10,000 Visitors:

Master Gardener Association of Tippecanoe County (MGATC) Display Gardens, Lafayette

First Place, 10,000-100,000 Visitors:

Purdue Extension Marion County Demonstration Garden, Indianapolis

Honorable Mention (Great Use of AAS Signage):

Southwest Indiana Master Gardener Demonstration Gardens, Evansville

2020 DCMGA Meeting Schedule



January 22

February 26

*March 18

April

Spring Banquet (Location/Date TBD)

May 27

June 24

Summer Picnic (Location TBD)

July 22

August 26

Wednesday, September 23

Fall Pitch-In (Mary Ippel's Residence)

Wednesday, October 28

Annual Business Meeting

*All meetings are held the fourth Wednesday of the month, unless noted otherwise.

DISCLAIMER: Meeting dates, location, and time are subject to change. Please check your email and the DCMGA Facebook page for any updates

Indiana Maple Syrup Association's Annual Meeting Saturday, December 7 | New Castle

The Indiana Maple Syrup Association (IMSA) is an organization of Hoosier maple syrup producers who make this natural product available for all to enjoy.

The IMSA annual meeting will be held on Saturday, December 7th at the Armory, 1537 Grand Ave, New Castle. Registration begins at 7 PM, and the meeting starts at 8:30 AM. The meeting will feature Mark Isselhardt of the Proctor Research Center of the University of Vermont and Jesse Randall of Michigan State.



Mark Your Calendar! Maple Syrup Days

LM Sugarbush Maple Syrup Festival
Salem, IN | Feb. 29-March 1, March 7-8, 2020

National Maple Syrup Festival 2020
Nashville, IN | March 28, 2020

Wakarusa Maple Syrup Festival
Wakarusa, IN | April 24-26, 2020

Hendricks Co. Parks & Rec. Maple Syrup Days
Danville, IN | March 7 & 14, 2020

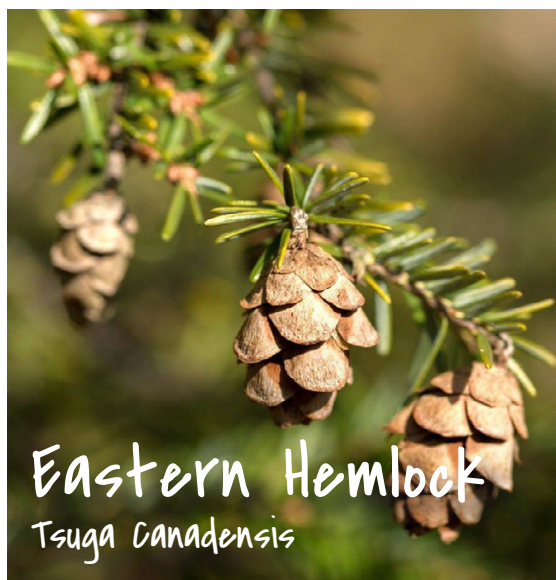


image: Uli Lorimer

"The story of eastern hemlock is at once majestic and tragic. The regal beauty of large hemlocks was once on display in New England's old-growth forests, where mature trees grew 120 feet high and nearly 6 feet in diameter, their feathery foliage descending, pagoda-like, in widening tiers. Growing in dry cliff faces, deep rich woods, and along pond and lake shores, the hemlock's adaptability and usefulness in designed landscapes is clear. Its wildlife value is also high. Red squirrels and mice feed on the seeds in hemlock cones. Deer eat hemlock foliage and twigs, and porcupines prefer the bark and large twigs. Yet the onslaught of a tiny invasive insect, the hemlock woolly adelgid, threatens to eliminate the tree throughout its range. Only long, cold winters can help keep the insects at bay. So, appreciate these silent giants whenever you come across a survivor, and help to protect the wild places in which they still exist."

— Native Plant Trust Dir. of Horticulture Uli Lorimer

Purdue Wants to Hear From You!

Complete this survey for 1 hour of credit

Dear Purdue Extension Master Gardener (EMG),

Thank you for volunteering as a Purdue Extension Master Gardener! You play an important role in your community through your contributions to consumer horticulture education in cooperation with Purdue Extension!

Likewise, your roles as environmental stewards, leaders, and demonstrators of sound gardening practices also impact your local community. We would like to measure these important impacts of the Purdue Extension Master Gardener Program. To collect this information, I have prepared a survey to be distributed to active Purdue Extension Master Gardener volunteers. The results of this survey will be used to report program impacts to Purdue Extension administrators who in turn report this information to funding agencies annually.

Please note, this survey is completely voluntary. You may exit the survey at any time and may skip any of the questions. Participants must be 18 years or older and this survey is anonymous. The survey will take approximately 5-7 minutes to complete. Responses will be kept confidential by the anonymous format of the survey. There will be no form of financial compensation for completing this survey. However, I have approved the completion of this survey for 1 volunteer hour to be reported by you to your EMG County Coordinator. This information may have been sent to you in an email from your coordinator. If you have already completed this survey, please do not take the survey a second time. Thank you!

Please click on the following link to complete the survey:
https://purdue.ca1.qualtrics.com/jfe/form/SV_3LbHUIMATMNa21f

Please complete this survey by **December 20, 2019**.

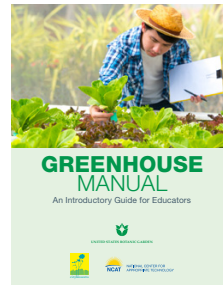
John Orick,
Purdue Extension Master Gardener State Coordinator



PRO TIP:

Use branches from a native birch tree (*Betula spp.*), red osier dogwood (*Cornus sericea*), or winterberry (*Ilex verticillata*) shrub to add a vertical element and unique texture to any holiday centerpiece or floral arrangement.

Greenhouse Manual: An Introductory Guide for Educators



Across the United States, a growing number of schools and educational programs are planting gardens, engaging in Farm to School activities, and integrating plant science into the curriculum. To support and expand these hands-on learning activities, schools are exploring ways to build new infrastructure or reinvest in existing facilities such as greenhouses. Unfortunately, many school greenhouses are underutilized or only a single knowledgeable and dedicated teacher is enabling their use.

The United States Botanic Garden, the National Center for Appropriate Technology, and City Blossoms recognized the emerging need for user-friendly guidance on operating these educational greenhouses and maximizing their potential. To that end, the group has developed this introductory manual for educators wanting to better use new or existing greenhouses for programming.

Download a copy of the manual for free at www.publicgardens.org.



Save the Date!
Garden Fest
Saturday, April 4, 2020
Boone Co 4-H Fairgrounds

10 Fascinating Facts about Praying Mantids

image: Maryland
Biodiversity Project



Chinese Mantis | *Tenodera sinensis*

image: Project Noah



Carolina Mantis | *Stagmomantis carolina*

image: Mis Animales



European Mantis | *Mantis religiosa*

1. Most Praying Mantids Live in the Tropics

Of approximately 2,000 species of mantids described to date, almost all are tropical creatures. Just 18 native species are known from the entire North American continent.

2. The Mantids We See Most Often in the U.S. Are Exotic Species

You're more likely to find an introduced mantid species than you are to find a native praying mantis. Both the Chinese (*Tenodera aridifolia*) and European mantids (*Mantis religiosa*) are common in the northeastern U.S. today.

3. Mantids Can Turn Their Heads a Full 180°

Praying mantids have a flexible joint between the head and prothorax that enables them to swivel their heads.

4. Mantids Are Closely Related to Cockroaches and Termites

These three seemingly different insects – mantids, termites, and cockroaches – are believed to descend from a common ancestor.

5. Praying Mantids Overwinter as Eggs in Temperate Regions

The female praying mantis deposits her eggs on a twig or stem in the fall and then protects them with a Styrofoam-like substance she secretes from her body. This forms a protective egg case, or ootheca, in which her offspring will develop over the winter.

6. Female Mantids Sometimes Eat Their Mates

Yes, it's true, female praying mantids do cannibalize their sex partners. However, in the wild, scientists believe the male partner gets munched on less than 30% of the time.

7. Mantids Use Specialized Front Legs to Capture Prey

The praying mantis is so named because when waiting for prey, it holds its front legs in an upright position as if they are folded in prayer. If a bee or fly happens to land within its reach, the praying mantis will extend its arms with lightning quick speed, and grab the hapless insect. Some larger mantids catch and eat lizards, frogs, and even birds.

8. Mantids Are Relatively Young Compared to Other Ancient Insects

The earliest fossil mantids date from the Cretaceous Period and are between 146-66 million years old.

9. Praying Mantids Are Not Necessarily Beneficial Insects

Praying mantids can and will consume lots of other invertebrates in your garden, so they're often considered beneficial predators. It's important to note, however, that mantids don't discriminate between good bugs and bad bugs when looking for meals.

10. Mantids Have Two Eyes, but Only One Ear

A praying mantis has two large, compound eyes that work together to help it decipher visual cues. But strangely, the praying mantis has just a single ear, located on the underside of its belly, just forward of its hind legs. This means the mantid cannot discriminate the direction of a sound, nor its frequency. What it can do is detect ultrasound, or sound produced by echo-locating predator bats.

Source:

Hadley, Debbie. "10 Fascinating Praying Mantis Facts." ThoughtCo, Aug. 22, 2019, [thoughtco.com/praying-mantid-facts-1968525](https://www.thoughtco.com/praying-mantid-facts-1968525).

2020 Project Proposal Form



Name of Project: _____

Chairperson/Co-Chairpersons: _____

Vice-Chairperson: _____

Chairperson(s) Contact Information: _____

Provide a Brief Project Description

Why is the project being undertaken? How does this project align with the mission of the Purdue Master Gardener Program, "to provide information and technical assistance about gardening and home horticulture through trained and certified volunteers" (MG-5-W)? If needed, please use an additional sheet of paper to respond.

Project location: _____

Anticipated start/end date of project: _____

Will this project re-occur annually? Yes No

Anticipated annual project budget: \$ _____

Number of volunteers needed: _____

Number of people reached by this program: _____

List community partners and describe their involvement: _____

Are there any additional materials or resources that will be required to for this project? If so, please describe.

Purdue Extension will conduct its programs, services and activities consistent with applicable federal, state, and local laws, regulations and orders and in conformance with the procedures and limitations as set forth in Purdue's Equal Opportunity, Equal Access and Affirmative Action policy.

It is the policy of Purdue University Cooperative Extension Service that all persons have equal opportunity and access to its educational programs, services, activities, and facilities without regard 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.

I agree that I have read and understand Purdue University's [Equal Opportunity, Equal Access, and Affirmative Action policy](#), and that this project will conform to those requirements.

Chairperson(s) Signature

Date

DCMGA Board Approval

Extension Educator

Date

Winter Squash



Delicata

Cut into rings, brush lightly with olive oil, season & roast on a baking sheet at 425F; use as a base for a pretty salad.



Acorn

Halve, bake at 425F cut side down for 30 mins; turn, add butter, salt, lots of pepper & maple syrup, then roast for 20 mins more.



Buttercup

Transformed by steaming! Halve & steam cut side down for 20 mins. Then mash with cream or olive oil & stir in sauteed onions, garlic & thyme.



Pie Pumpkin

Small but just enough for a pie! Or cookies or muffins or pancakes or ... Halve & roast cut side down for 1 hr.



Spaghetti

Halve, bake cut side down in 1 inch of water for 30 mins at 350F. Use a fork to tease out the noodly goodness - toss with pesto.



Sweet Dumpling

Cut off the top, scoop out the seeds, add butter, olive oil or cream, put the lid back on & roast for 1 hr.



Kabocha

Cut into large cubes & use in stews, chunky soups or curries. The skin is edible & nutritious!



Red Kuri

Also known as Hubbard. Makes a lovely fluffy mash.



Butternut

Perfect for soups because of its size & density. Saute with onions, garlic & tomato paste before simmering in stock.

****For all of the cooking suggestions, scoop out the seeds.****

2020 Delaware County Master Gardener Membership Form

Purdue Master Gardeners must satisfy specific requirements each year to maintain the Purdue Master Gardener title and remain eligible to volunteer and participate in official Purdue Master Gardener activities and events. To remain active each year, a Purdue Master Gardener must:

1. Volunteer for a minimum of **12 hours** each year and report that activity to the Purdue Extension – Delaware County Master Gardener coordinator.
2. Complete and report a minimum of **6 hours** of educational training approved by the Purdue Extension – Delaware County Master Gardener coordinator.
3. Submit an updated and signed electronic copy of the Purdue Master Gardener Volunteer Application and Agreement to the Purdue Extension - Delaware County office.

To be considered a Delaware County Master Gardener in good standing, please record your volunteer and educational hours by **December 13, 2019**. Click on www.purdue.edu/mg-volunteer/login.php to report hours online.

In addition, Delaware County Master Gardeners must pay the annual membership due no later than **December 31, 2019**. Dues are \$10 per person. Payments and membership forms can be mailed to:

Kate Bell, Treasurer
1738 East C.R. 300 N
New Castle, Indiana 47362

Please make checks payable to *Delaware County Master Gardener Association, Inc.*
Questions can be directed to Kate Bell at k8bell1@gmail.com or by calling 765-256-1518.

It is crucial that you complete these requirements by the deadline in order to have your name listed in the 2020 Master Gardener membership booklet. Thank you!

Name _____
Address _____

Telephone _____
Email _____

Optional, check appropriate:

Please do not include my ____ address ____ phone number ____ email in the membership booklet.

Please indicate areas of special interest to you:

| | | |
|---|--|--|
| <input type="checkbox"/> Vegetable gardening | <input type="checkbox"/> Seed collection & storage | <input type="checkbox"/> Flower gardening |
| <input type="checkbox"/> Soils & plant nutrition | <input type="checkbox"/> Herb gardening | <input type="checkbox"/> Insect control |
| <input type="checkbox"/> Organic gardening | <input type="checkbox"/> Sustainable gardening | <input type="checkbox"/> Trees & shrubs |
| <input type="checkbox"/> Plant diseases & prevention | <input type="checkbox"/> Fruit trees & bushes | <input type="checkbox"/> Composting |
| <input type="checkbox"/> Landscape design/maintenance | <input type="checkbox"/> Patio gardening | <input type="checkbox"/> Attracting wildlife |
| <input type="checkbox"/> Native plants & grasses | <input type="checkbox"/> Water gardening | <input type="checkbox"/> Urban gardening |
| <input type="checkbox"/> Home greenhouse gardening | <input type="checkbox"/> Houseplant care | <input type="checkbox"/> Lawn care |

Other (specify): _____

Monthly Gardener Checklist

DECEMBER 2019

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

HOME (Indoor plants and activities)

- Check houseplant leaves for brown, dry edges, which indicates too little relative humidity in the house. Increase humidity by running a humidifier, grouping plants or using pebble trays.
- Extend the lives of holiday plants such as poinsettias and Christmas cactus by placing them in a cool, brightly lit area that is free from warm or cold drafts.
- Houseplants may not receive adequate light because days are short and gloomy. Move plants closer to windows, but avoid placing foliage against cold glass panes. Artificial lighting may be helpful.
- Because growth slows or stops in winter months, most plants will require less water and little, if any, fertilizer.
- If you are forcing bulbs for the holidays, bring them into warmer temperatures after they have been sufficiently precooled. Bulbs require a chilling period of about 10 to 12 weeks at 40 degrees F to initiate flower buds and establish root growth. Precooled bulbs are available from many garden suppliers, if you did not get yours cooled in time. Then provide two to four weeks of warm temperature (60 F), bright light and moderately moist soil to bring on flowers.
- When shopping for a Christmas tree, check for green, flexible, firmly held needles and a sticky trunk base – both indicators of freshness. Make a fresh cut, and keep the cut end under water at all times.
- Evergreens, except pines and spruce, can be trimmed now for a fresh supply of holiday greenery.

YARD (Lawns, woody ornamentals and fruits)

- Prevent bark splitting of young and thin-barked trees, such as fruit and maple trees. Wrap trunks with tree wrap, or paint them with white latex (not oil-based) paint, particularly on the south- and southwest-facing sides.
- Protect shrubs such as junipers and arborvitae from extensive snow loads by tying their stems together with twine. Carefully remove heavy snow loads with a broom to prevent limb breakage.
- Protect broadleaves, evergreens or other tender landscape plants from excessive drying (desiccation) by winter sun and wind. Canvas, burlap or polyethylene plastic screens to the south and west protect the plants. Similarly, shield plants from salt spray on the street side.
- Provide winter protection for roses by mounding soil approximately 12 inches high to insulate the graft union after plants are dormant and temperatures are cold. Additional organic mulch such as straw compost or chopped leaves can be placed on top.

GARDEN (Flowers, vegetables and small fruits)

- To protect newly planted or tender perennials and bulbs, mulch with straw, chopped leaves or other organic material after plants become dormant.
- Store leftover garden chemicals where they will stay dry, unfrozen and out of the reach of children, pets and unsuspecting adults.
- Once the plants are completely dormant and temperatures are consistently below freezing, apply winter mulch to protect strawberries and other tender perennials. In most cases, 2 to 4 inches of organic material such as straw, pine needles, hay or bark chips will provide adequate protection.
- Check produce and tender bulbs in storage, and discard any that show signs of decay, such as mold or softening. Shriveling indicates insufficient relative humidity.
- Clean up dead plant materials, synthetic mulch and other debris in the vegetable garden, as well as in the flowerbeds, rose beds and orchards.