

WEED 'EM AND REAP

THE NEWSLETTER OF THE DELAWARE COUNTY MASTER GARDENER ASSOCIATION | OCTOBER 2019

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QUESTIONS?

Contact the helpful staff of the Delaware Co. Extension Office
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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

Master Gardeners and guests are invited to attend the Delaware County Master Gardener Association (DCMGA) monthly meeting on **Wednesday, October 23, 2019** at Minnetrista.

Master Gardener Martha McClurg, MPH, RD, CD will present, *Gardening Through a Nutrition Lens*. Martha, a Registered Dietitian, will share tips for becoming a nutritionally-minded gardener.

Master Gardeners will have the opportunity to vote on the newest DCMGA mascot design, elect new Executive Board officers, and approve the 2020 DCMGA Annual Budget following the presentation. Attendees will also be able to participate in a Seed Swap!

The meeting begins at **7:00 pm**. Contact Sarah Kreps with questions.

Don't Forget to Water Your Trees

"The dry, cool air and low precipitation that can sometimes occur during fall and early winter can take a toll on trees. Provide supplemental irrigation with deep watering to prevent root damage and a good spring start. It is advisable to water only when temperatures will be above 40°F. Water around mid-day so there is time to soak in before the freezing night temperatures. Applying approximately 5 gallons of water per inch of tree diameter will be adequate for times when there is little to no rainfall going into winter."

~Source: Lindsey Purcell, Purdue Landscape Report, Issue 19-17



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.

Letter from the President

As we approach the last meeting of the year and my last meeting as the President of the DCMGA, I want to say how impressed and proud I am of what this group has accomplished.

Over the last several years we have increased our volunteer efforts in the community and continued to share our love for gardening! Every Master Gardener has helped to make a difference in our community by “helping others grow” and by becoming responsible stewards for plants, pollinators, and the environment.

Thanks to everyone for making our first Growing Through Gardening Expo a success. The event had over 200 attendees present. There was positive feedback as well as some good suggestions on how improve the 2020 Growing Through Gardening Expo.

As a reminder, please log all of your volunteer and educational hours online by early December so Extension Educator Laurynn Thieme has time to review and approve them. It is important to record your hours — not only to maintain your Master Gardener status, but also to aid Purdue University track the volunteer impact Master Gardeners provide in their communities. This valuable data helps provide funding for various Master Gardener programs.

I hope to see you all at the Annual Business Meeting on Wednesday, October 23. Martha McClurg will be our speaker for the evening. We will be approving the budget for 2020 fiscal year, and voting for the new DCMGA Executive Board members. Remember to bring seeds for the seed swap.

As always, if you have any questions, comments, or ideas please contact a member of the Executive Board. We are always happy to listen!

Dottie Kreps

DCMGA 2020 Membership Requirements

Don't forget to pay your \$10 membership fee in order to continue receiving the many benefits of a Delaware County Master Gardener. See the back of the newsletter for copy of the DCMGA 2020 Membership Form. The form outlines the requirements Master Gardeners must fulfill by December 31, 2019 in order to maintain the Purdue Master Gardener title.

Payment can be mailed to Kate Bell, Treasurer. Kate will also be available at the October Annual Business Meeting to collect payments and membership forms.

In addition, if you no longer wish to be a member or be contacted and reminded to renew, please email Kate at k8bell1@gmail.com.

Treasurer's Report

October 2019



Date of Report: 10/20/2019		1/31/19	2/28/19	3/31/19	4/30/19	5/31/19	6/30/19	7/31/19	8/31/19	9/30/19	10/31/19	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	
Income		\$60.47	\$90.42	\$0.43	\$615.46	\$3,099.19	\$0.47	\$871.55	\$100.52	\$415.54	\$2,548.50	\$7,802.55
Expenses		\$100.00	\$216.69	\$0.00	\$2,151.17	\$106.65	\$494.39	\$154.16	\$100.00	\$340.22	\$1,374.83	\$5,038.11
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	\$13,632.07	
Income	Goals											
Annual Master Gardener Dues		\$900.00	\$60.00							\$400.00	\$40.00	\$540.00
Banquet		\$900.00			\$615.00							\$615.00
Garden Walk		\$400.00						\$471.00		\$15.00		\$486.00
Growing Through Gardening		\$2,200.00				\$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
Walhart Volunteer Grant		\$1,000.00									\$1,000.00	\$1,000.00
Bank Interest			\$0.47	\$0.42	\$0.43	\$0.49	\$0.47	\$0.55	\$0.52	\$0.54	\$4.35	\$905.00
Miscellaneous & Clearing Acct						\$15.00		\$400.00			\$490.00	\$905.00
Total		\$8,600.00	\$60.47	\$90.42	\$0.43	\$615.46	\$3,099.19	\$0.47	\$871.55	\$100.52	\$415.54	\$2,548.50
Expenses	Budget											
Farm Fest		\$350.00				\$283.66						\$333.66
Farmers Market		\$200.00	\$50.00								\$60.00	\$60.00
Garden Fair		\$100.00										\$0.00
Garden Walk		\$300.00				\$158.50		\$35.06				\$193.56
Growing Through Gardening		\$1,250.00	\$50.00			\$0.80	\$185.94	\$17.12		\$1.00	\$430.39	\$498.51
Kids Camp ~ Future MG		\$650.00			\$153.00	\$298.50	\$3.24	\$92.45		\$1.00	\$12.41	\$352.15
Kids Camp ~ Mini MG		\$650.00			\$298.50	\$3.24	\$92.45			\$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										\$0.00
New Events		\$0.00										\$0.00
Association Expenses												
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
Hospitality		\$100.00						\$26.25				\$26.25
Insurance		\$350.00								\$313.00	-\$7.00	\$306.00
Marketing & Event Supplies		\$500.00									\$106.44	\$106.44
Meeting Facilities & Speakers		\$200.00							\$100.00			\$100.00
Picnics		\$150.00						\$74.73				\$74.73
Postage		\$100.00										\$0.00
Printing & Copies		\$50.00										\$0.00
Purdue Extension Expenses		\$150.00					\$46.50					\$46.50
Website Hosting & Maintenance		\$250.00										\$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
												\$5,038.11

- * January \$100 Deposit on Plant Sale Facility being carried over to 2020
- * April \$400 Miscellaneous Withdrawl 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 Withdrawl used for Cash Box change for Expo

Meeting Minutes

Wednesday, September 25, 2019



MONTHLY PROGRAM

The Fall DCMGA Picnic was held at the home of Mary and Bruce Ippel. Thirty-six Master Gardeners and visitors were present. Attendees enjoyed a pitch-in dinner.

An educational presentation on trees was scheduled to be delivered by Muncie Urban Forester Kelly McClellan. However, she was unable to attend. The DCMGA Tree Committee provided an update on their volunteering efforts in lieu of Kelly's absence. Current members of the Tree Committee include Mary Ippel, Kate Bell, and HC Cross. Kate stated that the DCMGA purchases large balled-and-burlapped or container trees each year to be planted in one of Muncie's urban parks. The Tree Committee and other Master Gardener volunteers plant the trees generally in the spring or fall.

In an effort to align with the Master Gardener's mission to promote gardening and horticulture education, the Tree Committee would like partner with another community organization, such as the Red-Tail Land Conservancy, to host a community tree planting workshop. Their annual budget would be appropriated towards the purchase of young tree seedlings from the IDNR state nursery that could be planted within one of the Red-tail Land Conservancy's managed lands. The event would be open to the public with Master Gardeners providing the educational training.

Kate stated that she plans to meet with the Red-Tail Land Conservancy soon.

CALL TO ORDER

President Dottie Kreps called the September business meeting to order at 7:00 PM.

APPROVAL OF MINUTES

Having no objections, the August meeting minutes were approved as written in the newsletter.

TREASURER'S REPORT

Treasurer Kate Bell reported a current balance of \$12,381.51. Monthly expenses included a \$313.00 withdrawal for payment of the Association's insurance. Kate indicated that 31 members have

paid dues for the upcoming year. The August treasurer's report was approved.

The annual membership form will be available to complete at the September meeting.

COMMITTEE REPORTS

Nomination Committee

Kathy Hutson reminded members that the election of new officers will occur during the October Annual Business Meeting. The Nomination Committee announced the slate of candidates for the election.

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

Additional candidates will be accepted at the October Business Meeting. Voting will immediately follow. All nominations are encouraged to submit a photo and short biography in the newsletter to help introduce themselves to newer members of the association.

Hospitality

Mark Kreps has volunteered to become the new Hospitality Committee chairperson. All Master Gardeners are encouraged to bring their own beverage to each future Master Gardener meeting.

Garden Walk

Committee chairperson Nancy Miller is currently accepting garden nominations for the 2020 DCMGA Garden Walk. Please provide recommendations to Nancy of a tour-worthy garden in the East Central Indiana area.

Growing Through Gardening Expo

Kathy Hutson shared two flyers for the Growing Through Gardening Expo: one flyer listed the date of the event, the other flyer announced the names of the speakers. Flyers were available at the front table.

The Growing Through Gardening Expo is scheduled for Saturday, October 12. It will be held at Minnetrista from 8am to 4pm. The steering committee still needs a few volunteers to help at the children's photo booth and DCMGA booth throughout the day. The Welcome and Information Table volunteers will need to collect money for the Make-and-Take workshops. Kathy announced that the first 100 attendees would receive a nice swag bag.

All volunteers will need to wear a Master Gardener shirt and their nametag.

Other Committee Information

President Dottie Kreps announced that she needs to know the name of the chairperson(s) for each committee. Each committee should have either a co-chairperson or a vice-chairperson in case unforeseen conditions arise, or the committee chairperson is unable to fulfill his/her responsibilities.

A list of the committees and leadership positions are listed below:

Dottie also reminded committee chairpersons to complete the DCMGA Budget Tracker before the October meeting. Contact Dottie for additional copies of the form.

UNFINISHED BUSINESS

Dottie Kreps announced that the Richmond Rose Garden sent the Association a thank you letter for their contributions made to the garden at the August monthly meeting.

Dottie reported that several Master Gardeners volunteered at the WIPB's annual Be My Neighbor community event. The DCMGA hosted a booth at the event. Master Gardeners assisted children with making a butterfly craft. The butterflies were collected at the end of the event and donated to a local nursing home.

EXTENSION REPORT

Laurynn Thieme reminded members to continue to record volunteer and educational hours online. Master Gardeners will also need to digitally sign and agree to the terms found in the annual Master Gardener Policy Guide by the end of the year. So far 4 Master Gardeners have turned in hours and signed the agreement. Laurynn reminded Master Gardeners that all hours need to be submitted by October 31st.

2020 DCMGA EXECUTIVE BOARD SLATE OF CANDIDATES

Delaware Co. Farm Festival

Co-Chairpersons: Kate Bell and HC Cross

Garden Walk

Chairperson: Nancy Miller
Vice-Chairperson: Vacant

Washington Street Festival

Chairperson: Laura Shadoin
Vice-Chairperson: Vacant

Future Gardener Camp

Chairperson(s): Vacant

DCMGA Plant Sale

Chairperson: Nancy Reynolds
Vice-Chairperson: Vacant

Hospitality Committee

Chairperson: Mark Kreps
Vice-Chairperson: Vacant

Mini Master Gardener Camp

Chairperson: Sarah Kreps
Vice-Chairperson: Vacant

Tree Committee

Co-Chairpersons: Kate Bell, Mary Ippel, & HC Cross

Appropriations Committee

(ad-hoc committee)

Minnetrista Garden Fair

Chairperson: Dottie Kreps
Vice-Chairperson: Vacant

Growing Through Gardening

Chairperson: Sandy Kreps
Vice-Chairperson: Vacant

Budget Committee

(ad-hoc committee)

Nomination Committee

(ad-hoc committee)

NEW BUSINESS

Kathy Hutson stated that she sent an email announcing a contest to design a new mascot for the DCMGA. The idea of a mascot was formed by Mark Kreps. He thought it would be a good resource for the organization's children programs. The winning design for the mascot will be placed on clothing and other promotional items. Designs entries should be submitted to Kathy by the October meeting.

Dottie announced the new protocol for submitting a project. Dottie will be making a new form that will need to be filled out and submitted to the Executive Board. Each new project will be voted upon for approval by the Executive Board. This procedure is listed in the recently updated DCMGA Bylaws.

A DCMGA Spring Banquet survey was emailed to all Master Gardener members. The survey needs to be completed by October 1st. Contact Dottie Kreps with questions.

Seed Swap

Dottie Kreps announced that the next meeting is scheduled for Wednesday, October 23rd.

Dottie announced that there will be an opportunity for sharing seeds at the upcoming October Business Meeting. All Master Gardeners are encouraged to bring seeds to share. Kathy Hutson will provide small bags to collect seeds. Attendees do not need to bring seeds to participate in the seed swap.

Nancy Reynolds was recognized for her September birthday.

Garden Season Recap

Several members reported on the success and failures of their gardens this year. Some gardeners reported that their mums were not growing well this year. Another Master Gardener shared that their Pawpaw tree produced 125 fruits this year. Someone inquired about Brussel sprouts; their plant had 20 on one stock. Other gardeners discussed the different varieties of milkweed plants. Another gardener gave the advice to make the hole large enough in a spaghetti squash when placing it in the microwave. A small hole will cause the squash to explode.

ADJOURNMENT

Having no other business to discuss, the meeting adjourned at 8:30 pm.

Respectfully submitted,

Deanna Hines

The glory of gardening:
hands in the dirt, head in
the sun, heart with nature. To
nurture a garden is to feed not
just on the body, but the soul.

~ Alfred Austin, English Poet



Master Gardeners Mary Ippel, John Huber, and Deanna Hines volunteered at the Muncie First Thursday Art Walk on Thursday, October 3, 2019. The Master Gardener booth, located on the lawn of Canan Commons, allowed children to paint and learn about pumpkins.

~photo provided by Mary Ippel

Farewell, Kathy!

Master Gardener and current At-large board member, Kathy Hutson will be permanently relocating to warmer weather in Tucson, Arizona at the end of October. Please remember to wish Kathy a happy farewell at the October meeting and thank her for her service to the Delaware County Master Gardener program.



Established in 2017, the Urban Gardening Coalition of Delaware County seeks to,

"unite gardens, groups, and individuals through collaboration and sharing of resources in an effort to help build a stronger local food system."

The Urban Gardening Coalition (UGC) offers a place for gardeners and organizations to connect, share resources, and work together toward common goals that advance urban gardens in our community. It's a relaxed group, filled with friendly gardening enthusiasts of every skill level.

Members can enjoy educational resources, access to tool sharing programs, volunteer assistance, networking opportunities, promotion of garden-related events, and many other free resources.

All are welcome to attend the UGC's monthly meetings. Meetings are held every fourth Tuesday of the month from 5:30-6:30 PM at various garden locations throughout the community.

Address questions to Ryan Mast, rmast@keihin-na.com.

I cannot do all the good that the world needs. But the world needs all the good that I can do.

~ Jana Stanfield, Songwriter

East Central Beekeepers
Grandview Church,
9064 W. Grandview Blvd, Pendleton

Meetings held on the second Tuesday of every month at 6:30 pm

For info, email jsdoty@indy.net

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.



Wed., November 2 | 9:30 am - 4 pm

Ball State Alumni Center

800 W Bethel Ave, Muncie, IN 47304

Join the Muncie Food Hub Partnership, Purdue University Extension, and the Delaware County Food Council for the 4th annual Local Food Summit of Muncie and East Central Indiana.

The 4th Local Food Summit will explore innovations in delivering local food to consumers and students, the movement of food and its impact on our planet and economies, food stories from here and afar, and the chance to learn about your role in shaping our local food landscape through consumerism, advocacy, and action.

If you are interested in local food issues such as farm-to-school, food insecurity, community gardens, and sustainable agriculture, you are encouraged to attend.

The 2019 keynote address will be provided by Kelsey Timmerman, author of *Where am I Eating? A Journey through the Global Food Economy*. Guest speakers include Tim Lanane (Indiana Senate), Sue Errington (Indiana House of Representatives), and Molly Hunt (Director of Extension, Delaware County, Purdue Extension).

Registration begins at 9:30 am and will be followed by opening remarks at 10:00 am.

Cost of registration is \$30. Registration includes breakfast, lunch, and snacks throughout the day. Register for the Food Summit online at commerce.cashnet.com/BALL_EMS066.

Scholarships are available. Contact Ashley Pavey, ampavey@bsu.edu to apply.

Contact Dr. Josh Gruver at jbgruver@bsu.edu with questions about the summit.

Concurrent Presentations

Food Insecurity in East Central Indiana
presented by Tim Kean, CEO of Second Harvest Food Bank

Delaware County Food Council
presented by John Disher, IU Healthy Community Alliance

8twelve Coalition
presented by Bryan Ayers, CEO Open Door Health Services

Farm-to-School efforts
presented by Tarrah McCreary, Food Procurement Director Crawfordsville Schools

Farmer – Chef Panel

Featuring Wendy Carpenter (Christopher Farm), Shelly Shrock (Shrock Family Farm), Dave Ring (The Downtown Farm Stand), and Chef Tyler Herald (from Patashou, Petit Chou, and Napolese) among others!

Red-tail Land Conservancy's
Opt Outside Hike
November 29 | Middletown

Are you looking for a way to avoid the chaos of Black Friday shopping? Red-tail Land Conservancy is hosting a Black Friday Hike at Fall Creek Woods.

Beginning at 1:00 PM, Red-tail invites you to come enjoy the peace and serenity of nature, and a chance to burn some Thanksgiving dinner calories.

The 143-acres of Fall Creek Woods (5975 N Mechanicsburg Rd) features towering old trees, steep bluffs, and meandering creeks. Visitors can experience many stages of growth of an Indiana forest, from young trees to older relics, and the varied topography provides a more challenging hike than most of east central Indiana. You can also sit on a bench overlooking a glacially-carved bluff and soak in the beauty of the woods.

Capture the contentment and joy from an afternoon well spent outdoors. For more information, contact Julie Borgmann (julie@fortheland.org).



Herb Society of Central Indiana
Holiday Herbal Gifts Workshop
December 7 | Indianapolis

Join the Herb Society of Central Indiana for a holiday craft workshop. Attendees to this popular program will receive snacks, holiday recipes, and handouts in addition to the opportunity to make herbal gifts for family and friends.

The workshop will be held from 10:00 AM to 11:30 AM at the Garfield Conservatory, 2505 Conservatory Drive, Indianapolis.

A \$5 participation fee is required and payable to the instructor on the day of the event. Registration is limited and fills up fast. Visit www.garfieldgardensconservatory.org to reserve your seat.

Call (317) 327-7183 with questions.

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.



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.



October is National Apple Month!

Why do Apples Brown?

Apples that are cut or bruised will naturally brown in response to being cut. The degree to which an apple browns depends upon that variety's natural levels of polyphenoloxidase (PPO) and Vitamin C (ascorbic acid). The lower the level of PPO, the less the variety will brown. Conversely, the higher the level of vitamin C, the less the variety will brown. Coating apple slices and dices with lemon juice or a mixture of half water and half lemon juice can slow the browning process. Here's a nifty trick: Most 100% apple juices sold in stores are fortified with vitamin C, so you can retain more apple flavor by using apple juice instead of lemon juice to prevent browning.

Are Apple Juice and Cider the same?

The definitions of "juice" and "cider" vary from region to region. Apple cider is freshly pressed, not-from-concentrate juice that may or may not undergo a filtration process to remove coarse pulp. Most cider is pasteurized but perishable and is often found in the refrigerated section of the supermarket. Apple juice may be from concentrate and has been filtered, pasteurized, and vacuum sealed to give a longer lasting, shelf stable, clear product.

~Source: U.S. Apple Association

Indiana Horticultural Conference & Expo

February 11-13, 2020 | Indianapolis

Purdue Extension is pleased to announce the 2020 Indiana Horticultural Conference & Expo (IHC) will be from February 11 through 13, 2020 at the Indianapolis Marriott East Hotel, located in Indianapolis, IN. A targeted selection of educational tracks, a joint plenary session, a diverse set of expo vendors and ample opportunities for networking will set the stage for a great conference. The Indiana Horticultural Conference & Expo will offer many opportunities for networking with fellow Indiana and other Midwestern farmers and vendors.

Save the Date! 2020 Midwest Women in Agriculture Conference

**February 19-20, 2020
Muncie, Indiana**

Visit ag.purdue.edu/extension/WIA to learn more.

The Bee Cause Project: Supporting the Honeybees



Image: The Bee Cause Project

The Bee Cause Project seeks to inspire the next generation of environmental stewards while protecting our planet's precious pollinators.

The Bee Cause Project believes that the best way to help people and pollinators thrive is through hands-on learning and community. With the support of our partnership with the Whole Kids Foundation and several generous sponsors, **The Bee Cause Project provides grants to help K-12 schools and organizations install and maintain their own observation hives.** These hives are an invaluable tool to inspire creativity, teach collaboration, and cultivate critical thinking and STEAM skills in observers of all ages.

Visit the Bee Cause Project website, www.thebeecause.org to learn how to apply.

Master Gardener Book Club

November 13 & December 11

Maring-Hunt Library | 6:00 PM

Growing Through Gardening Expo



ABOVE: Master Gardeners volunteer at the Welcome Booth and Door Prize tables located in the foyer of the Minnetrista Cultural Center.

Master Gardeners Lisa Brown and Deanna Hines provided several short demonstrations on the cultivation, preservation, and cooking of herbs. Patrons were able to learn how to use a dehydrator, prepare a caprese salad, and make herbal butter.

Master Gardener Barb Medler provided demonstrations on the care of succulents.

Mary Ippel, Kathy Hutson, and Nancy Reynolds volunteered at the DCMGA booth. They answered gardening inquiries by the public, promoted the Master Gardener basic training course, and passed out free seeds to attendees.

Children were able to learn about the importance of pollinators and other beneficial garden insects at the children's activity area. Youth were able to make seed bombs, participate in a pollinator scavenger hunt, and dress as a butterfly, bee, or bat at the Master Gardener photo booth,

Several local community organizations also sponsored a booth at the seminar. One such vendor was Conservation Tales.

Under the guidance of Associate Professor of Art Barbara Giorgio-Booher and Associate Professor of Biology Tom McConnell, teams of Ball State University students from various majors develop a series of children's books revolving around fictional wildlife characters. The books teach children the importance of conservation as well as provide insight into the career of biology. The Ball State Students spend time traveling to various parks and habitats to study and document a specific wildlife species for the book. The students return to campus and collaborate to narrate and illustrate each book. So far, the Conservation Tales series includes books on bats, salamanders, manatees, bees and the cerulean warbler.

(continued on next page)

The Growing Through Gardening Expo was held on Saturday, October 12. Over 200 attendees -including visiting Master Gardeners from Hamilton, Madison, and surrounding counties- enjoyed a series of presentations and hands-on demonstrations at Minnetrista.

Attendees were able to learn about heirloom tomatoes and seed starting from Michigan Heirloom owner and Master Gardener Karen Golden, establishing a restored native prairie for wildlife conservation by physician and gardener Dr. Helen Steussy, native plants that have culinary benefits by Martha Ferguson, and the documenting and archival of Indiana's native flora by plant taxonomist, botanist, and educator Dr. Paul Rothrock.



ABOVE (clockwise): Dr. Helen Steussy, Martha Ferguson, and Karen Golden present at the Growing Through Gardening Expo.

BELOW: Sandy and Sarah Kreps volunteers at the Silent Auction as guests look on at the auction items.





ABOVE: Children were able to make milkweed-infused seed bombs and dress like a pollinator. Guests were also able to build butterfly houses.

Other vendors included the Delaware County Soil and Water Conservation District, Muncie Sanitary District, Purdue Extension, Urban Gardening Coalition, the Red-tail Land Conservancy, and Minnetrista. Soil Health Coordinator Becky Daugherty distributed free oats and radish cover crop seeds as well as multiple pamphlets from the Delaware County Soil and Water Conservation District. Muncie Sanitary District Stormwater Educator Jason Donati provided rain barrel demonstrations. Purdue Extension Educator Mark Carter showcased the use of unmanned aircraft systems (drones) for use in agriculture and land planning.

Two hands-on workshops were held. They included making burlap flowers in coffee cup vases and constructing bird and butterfly houses.

Two silent auctions were held at 10:30 AM and 2:00 PM.

Guests left the exposition with many freebies, handouts, and a colorful swag bag. Thank you to all the volunteers who helped to make the 2019 Growing Through Gardening Expo a great success! We hope to see you next year.

Since 1982, the Youth Garden Grant has supported school and youth educational garden projects that enhance the quality of life for students and their communities.

Any nonprofit organization, public or private school, or youth program in the United States planning a new garden program or expanding an established one that serves at least 15 youth between the ages of 3 and 18 is eligible to apply.

A total of 25 programs will be awarded. Top 5 programs will receive award packages valued at \$2,360 that include:

- \$250 cash prize from KidsGardening
- A variety of gardening tools and supplies, including:
\$1,000 customizable garden tool package from Corona, Pallet of Black Gold soil by SunGro Horticulture, 25' Soaker Hose from Dramm, One Touch Fan Nozzle from Dramm, Tubtrug from Gardener's Supply Company, Paper Pot Press from Gardener's Supply Company, Five pairs of Thea Webbed Gardening Gloves from GardenFreak, Seed Package from High Mowing Organic Seeds, Organic fertilizer from Javacycle, Big Bag Bed from Smart Pot, Mobile Green Wall from Watex, and a KidsGardening.org curriculum package

The 2020 Youth Garden Grant is sponsored by KidsGardening's generous donors.

Grant applications are due **Monday, December 16, 2019**. All applications must be submitted online. Visit kidsgardening.org/2020-youth-garden-grant/ to learn more about the grant program.



The Importance of Pomology, Climate, and Apples

~ Article adapted by Mary Ippel ~

image: Lindsay France/Cornell Marketing Group



Professor Gregory Peck stands in an orchard

What is Pomology & how does it exactly relate to human health?

Pomology is the branch of biology that focuses on the study of fruit cultivation. The word Pomology is derived from the Latin word *pomum* (fruit) and English suffix -ology (study of).

Professor Gregory Peck, Associate Professor of Plant Science at Cornell University, describes the importance of Pomology. According to Peck, Pomologists work closely with other allied professionals such as agronomists (soil scientists), entomologist (insect scientists), nutritionists, and other scientists to study various issues that can affect fruits and nuts - including diseases, insects, and soil health - as well as evaluating how climate change and environmental factors may affect fruit crop production. Pomologists also manage and evaluate the growth cycle of fruits from initial tree planting, spring bloom, and eventual harvest. They must have a keen understanding of plant science, climatology, plant genetics, pollinator, and plant mutations.

Pomologists, like those at Cornell University, have been working to develop improved varieties of some fruits and nuts -specifically apples- in order to increase the flavor, taste, and nutritional value of the fruit.

Through ten years of traditional plant breeding strategies and modern genetic manipulation, Cornell University has introduced a new apple variety called SnapDragon®. As an offspring of Honeycrisp, SnapDragon® is known for its crispy texture, juicy core, and spicy-sweet flavor. It is well suited for snacking or sliced in a salad and has a long shelf life.

Another recent Cornell University introduction is RubyFrost®, which ripens later in the fall, features a vivid red skin with a crisp and juicy flavor, and stores well. In all, Cornell's apple breeding program has released 66 apple varieties since the late 1890s. Some of the

more popular varieties include Cortland, Empire, and Jonagold.

Apples are an essential source of fiber, many key vitamins and micro-nutrients, and antioxidants for a healthy human diet. By maximizing fruit yield or improving the fruit itself, Pomologists are able to enhance the benefits and increase the availability of healthy and nutritious fruits in the community - especially in neighborhoods that need them the most. Access to healthy food is vital in areas that suffer from increased poverty and Food Deserts.

Peck explains that weather can significantly impact the quality of a fruit. For example, the Snapdragon® apple tastes best when it is exposed to extended periods of sunny days and cool nights late in the season. These ideal conditions allow the colors (anthocyanins) to develop well in the peel of fruit. The increased level of anthocyanins help to enhance the flavor of the apple.

As climate change, lack of access to nutritious food, and increased invasive disease and pest problems become greater concerns for our society, Pomologists will continue to work to develop new and improved fruit and nuts that can address and resolve these issues.

Sources:

Bimpong, Milena. *Apple Picking and Pomology: The Science Behind Apple Growing*. The Cornell Daily Sun. 2019 Sept 27. Web.

Garris, Amanda. *SnapDragon and Ruby Frost are new apple varieties*. Cornell Chronicle. 2013 Aug 1. Web.



SnapDragon®

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

OCTOBER 2019

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

HOME (Indoor plants and activities)

- Keep poinsettia in complete darkness for 15 hours each day — for example, between 5 p.m. and 8 a.m. — for eight to 10 weeks until red bracts begin to show.
- Pot spring-flowering bulbs 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.
- Houseplants, especially those grown outdoors during the summer, commonly drop some or many of their leaves in response to the lower natural light intensity in the autumn and reduced light intensity indoors.
- Water indoor plants less frequently, and discontinue fertilizer as plants slow down or stop growing for the winter season.

YARD (Lawns, woody ornamentals and fruits)

- Keep plants, especially newly planted stock, well-watered until ground freezes.
- Have soil ready to mound roses for winter protection. Do not mound or cover roses until after leaves drop and soil is near freezing, usually late November or early December.
- Strawberry plants need protection from winter's extremes, but applying winter mulch too early may cause crowns to rot. Apply winter protection when plants are dormant but before temperatures drop below 20F, usually late November or early December.
- Rake or shred large, fallen tree leaves, such as maple, to prevent them from matting down and smothering grass. Raking smaller leaves, such as honey locust, is optional.
- Continue mowing lawn as needed.

GARDEN (Flowers, vegetables and small fruits)

- Harvest root crops and store in a cold (32 F), humid location. Storing produce in perforated plastic bags is a convenient, easy way to increase humidity.
- Harvest Brussels sprouts as they develop in the axils of the leaves from the bottom of the stem. Brussels sprouts will continue to develop up the stem.
- Harvest pumpkins and winter squash before frost, but when rind is hard and fully colored. Store in a cool location until ready to use.
- Harvest gourds when stems begin to brown and dry. Cure at 70-80 F for two to four weeks.
- Harvest mature, green tomatoes before frost and ripen indoors in the dark. Warmer temperatures lead to faster ripening.
- Asparagus top growth should not be removed until foliage yellows. Let foliage stand over winter to collect snow for insulation and moisture.
- Remove plant debris from the garden to protect next year's plantings from insect and disease buildup. Compost plant refuse by alternating layers of soil, plant material, and manure or commercial fertilizer.
- Have garden soil tested for fertilizer needs every three to five years.
- Plowing and incorporating organic matter in fall avoids the rush of garden activities and waterlogged soil in spring. Soils prepared in the fall tend to warm faster and allow earlier planting in spring.
- Dig tender garden flower bulbs for winter storage. Gladiolus corms should be dug when leaves begin turning yellow. Caladiums, geraniums and tuberous begonias should be lifted before killing frost. Dig canna and dahlia roots after a heavy frost. Allow to air dry, then pack in dry peat moss or vermiculite, and store in a cool location.