

Down to Earth

Michigan State University Extension Master
Gardener Program—Genesee County

Dec 2019
Volume 17, Issue 12



Letter from the Program Coordinator

Barslund Judd

It's the holiday season! This is probably my favorite time of the year, aside from summer, and maybe spring or fall. The winter has its own special charms, from the snow I can see coming down right now, to my birthday... which is in December. It is also a great time to think about which projects you'd like to work on this next year. Now is an excellent time to reach out to project leads and ask what help they need this next year! We also have an EMG trainee class approaching. If you have a friend or spouse, that you'd like to join the EMG program, now is the time to get them signed up!

I want to thank everyone that was at the MGAGCM holiday gathering for listening to me talk nonstop. I had a great time and love every chance that I get to socialize. It was a great get together, thanks for having me!

We are continuing the drawing from the November issue! Be sure to look for the butterfly again this month and fill out the form. There will be a prize for the lucky winner!

Barslund Judd (juddbars@msu.edu)



Extension Master Gardener Class Genesee County – Jan. 25, 2020

We need your help in sharing this information with your friends and groups who may be interested. If anyone has questions, please contact Barslund Judd, juddbars@msu.edu

Link to sign up: [January 2020 Master Gardener Class Sign up Link](#)

Location: GCCARD Building
605 N. Saginaw St., Suite 1A
Flint, MI 48502

When: Saturdays, 9 a.m. - 1 p.m.
Jan. 25, 2020 - May 9, 2020
(including makeup date, no class April 11)

Deadline: August 15, 2019

Fee: \$325.00

\$ 25.00 for Volunteer Selection Process which includes the background check.
\$300.00 for training course, including 1,000-page training manual. There are no other out-of-pocket costs.

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Newsletter Committee

- Sue Crisp (**Project Report**)
- Mary Yelland (**Article Liaison**)
- LaDonna Gamble (**Hotline Articles**)
- Joanne Gensel (**Association Page**)
- Michelle Chockley (**VMS Corner**)
- Carol Pittard (**Editor**)
- Vicki Perkins (**Jr. MGs**)

If you are interested in writing an article for the DTE newsletter, please feel free to reach out to us! We love having new input and hearing new perspectives. We ask that articles have an educational component that is research based and utilizes solid sources.

Featured MSUE Project

Davison Farmers Market

Alan Grove - Project Lead

Sue Crisp

The Davison Farmers Market Grand Opening was on May 17, 2014, and is home to over 70 vendors from all over Michigan. Extension Master Gardener Dan Kah was project lead for a year or so before health issues derailed him from participating. Gloria Roudebush followed him as Market Lead until late 2016 when the baton was passed on to Alan Grove who remains in that position.

Alan and his busy team can be found Saturdays at the Farmers Market from 9 a.m. until 2 p.m. from May through October. From week to week, their display table can be found at various locations around the outdoor pavilion. Weather can be very nice and warm as was my first visit in September. It can also be cold and windy with rain like on October 26th when Mel passed out trick or treat candy to many uniquely costumed children during the Trick or Treat event at the market. Our Master Gardener team answered many questions/concerns about all things green and growing for a total of 442 people.



Left to right: Marie Luck-Allard, Alan Grove, Mel Kennedy, Gloria Roudebush, & Colleen Putinsky

Resources from the Michigan State University Extension were available. Visitors could take Smart Gardening tip sheets for information to help make their garden and landscape look fantastic. Some of the tip sheet titles are: Don't guess - soil test! Get your Home Lawn and Garden Soil Test kit today, Fertilizer basics for the smart gardener, Smart lawn alternatives to protect pollinators, Gardening for pollinators: Smart plants to support pollinators, Preparing the smart vegetable garden, IPM: Smart pest management for the vegetable garden, Smart watering for lawns: Don't let the lawn squeeze you dry, Mulch leaves into turf for a smart lawn, and Composting: A smart gardening practice to recycle garden and yard waste. There was an informational pamphlet called How to protect your oaks. Important information on the Hot Line phone number and how to become a Master Gardener was also promoted.

Each summer there is at least one presentation and sometimes two. Eleven people participated in this year's indoor plants swap that included methods of caring for the plants. Next summer the plan is to repeat the indoor plants swap program and add a native plant sale. History and care of each plant will be included for the native plant sale. Come out and enjoy this fun market with its many events and support our Master Gardener team

Davison Farmers Market Alan Grove Outreach Lead

8110 E. Court Street Davison, MI 48423
(near the intersection of Irish Rd. and
Court Street – east of D&W Windows &
Sunrooms)

If you are interested in volunteering,
please contact Alan Grove
(plantdoc049@outlook.com)

Herbs for Your Garden: Mint

Tammy Johns

Mentha, also known as mint, is a wonderful addition to your herb garden. Mentha is a genus of plants in the Lamiaceae family. More than 25 species of Mentha exist. Many hybrids and cultivars are known including apple mint, pineapple mint, chocolate mint, spearmint, peppermint, orange mint, lemon mint, lavender mint, and swiss mint, amongst others. Mint is native to Eurasia, North America, Southern Africa and Australia. Mints are aromatic and generally a perennial plant. Mint is fast-growing and can become aggressive. It is wise to plant it in a contained area such as a bottomless container sunk in the ground, a planter or a barrel. You can also grow it in your garden, but you should monitor it carefully to keep it from spreading and taking over other plants. A spiral garden surrounded with bricks is great for small spaces. Additionally, the bricks keep the mint from spreading. You can plant several different herbs in the same contained garden, however, make sure to separate different types of mints.

Mint grows best in moist, shaded areas although it can grow in partial sun as well. It expands by underground rhizomes. It grows very quickly and can cover a large area with runners if the ground is moist. It grows best with a good supply of water but shouldn't be water-logged. You can also grow it indoors on a sunny windowsill. If you do not keep the soil moist, it may die back to the roots and grow back when the conditions are optimal. Mints have square stems and opposite aromatic leaves. The flowers of some mint plants are pale purple, pink or white in color and are arranged in clusters forming either whorls or a terminal spike.

Harvesting of mint leaves can be done any time. Fresh leaves can be used right away, stored in a plastic bag in the refrigerator for a few days, or frozen in ice cube trays. You can dry your mint leaves in a paper bag, then store them in a mason jar or another airtight container in a cool, dark place. For mint herbal tea, boil the leaves or flowers in water or pour boiling water over them in a tea bag or infuser. Drink the tea either hot or cold depending on your preference.

Mint oil is also used in some insecticides which are usually labeled for organic gardening. The oil can kill some common household and garden pests such as ants, cockroaches, wasps and hornets. It can also attract beneficial insects into your garden. It is susceptible to aphids and whiteflies. Mint makes a wonderful herbal tea and can be used for cooking as well. It is also used for essential oil to produce flavoring for chewing gum, ice cream, candy, tea, fruit preserves and alcoholic beverages. With the many benefits of mint, it is a must have in your garden!



<http://extension.msstate.edu/news/southern-gardening/2012/enjoy-growing-mint-without-any-trouble>
<http://ipm.ucanr.edu/QT/lesstoxicinsecticidescard.html>
<https://extension.colostate.edu/docs/pubs/insect/05569.pdf>
<https://web.extension.illinois.edu/herbs/mint.cfm>

MSU EMG Outreach Report

Fall into Spring Conference

Marie Luck-Allard

October 5, 2019, was our annual conference at Mott Community College Event Center. As committee members and workers hurried to prepare for the event, guests began to arrive filling the available seats. Creative Catering provided the meals, while guests visited the vendor's tables.

Our first speaker was Angela Nelson a horticulturalist, educator and owner of Designs by Nature East. She spoke about changing your Plantitude, having proper plant/place selections, and providing food/shelter for bees, insects and birds. Cheryl English was our second speaker, an Advanced Extension Master Gardener who combines plants and pottery for unique designs. Her gardens contain over 200 species of native plants that bloom from spring to fall to support many varieties of butterflies, bees, insects and wildlife. Our third speaker, Bob Tritten, MSU Extension Horticulturist for 40 years, gave an historical account of apple trees in the landscape. He also explained the espalier technique, which involves training trees on a horizontal and/or vertical section. In doing so, fruit is easier to grow and harvest. Lastly, otherwise known as the "What's New Guru," George Papadelis, owner of Telly's Greenhouse, provided a vivid show of the new varieties of annual and perennials for 2020. The slides he presented were an impressive collection of various colors, and shapes.

The conference was an incredible, sunny and educational day. The speakers were interactive answering questions and concerns. They left us with pertinent facts and hints in order to create a garden that promotes beauty, along with attracting our native birds, bees and butterflies. The vendors, promoting their unique products, complimented the connection we have as Extension Master Gardeners.

Special thanks to our M.C., Barslund Judd (MSU Extension Consumer Horticulturalist and Master Gardener Coordinator), the FIS Committee members who worked to make this event successful, our speakers, donors, vendors, Creative Catering, event helpers, Extension Master Gardeners and guests. The estimated profit is approximately \$3,600 for MGAGCM.

MGAGCM Holiday Gathering—EMG Gold Badge Recipients

Mary Wilson, the EMG State Coordinator stopped by the MGAGCM Holiday gathering to award EMG Gold Badge Recipients. Congratulations and thanks for being part of the Extension Master Gardener team!

Left to right: Mary Bedford, Mary Wilson, Susan Biron, and Laura Eufinger



Take a Christmas Tree Trek

Mary Yelland

Christmas is a great time to learn about evergreen trees with the kids. Visit a tree lot, tree farm, or even your yard if evergreen trees are there to study. Before heading out to investigate do some research and reading on identifying different kinds of Christmas trees. With some background information, maybe even taking some printed information with you, head out where different kinds of evergreens can be observed. Maybe even make up a question sheet or chart to fill out before leaving.

Once you are at a place you can observe different trees, take a closer look at the tree shape, branches, needles and color. How could you tell them apart? How does the tree smell and feel? Do the needles grow in bunches or individually? Are needles prickly and stiff or soft? Do they grow in rows or in a whorl around the branch? Use your observations to identify the trees you are seeing. If you have a live tree picked out, identify it and maybe do further research on the type of tree you have. Count the rings on the trunk. How long did it grow? Keep track of how much water it uses. Make a tree journal about the Christmas tree.

Here is some information about common evergreen trees in Michigan to get you started.

Pine trees: Needles may be long or short but they grow in clusters. White pines have 5 needles in a cluster, and little aroma. Scotch pines have 2 needles in a cluster and hold on to their needles well.

Spruce trees: The needles are stiff and very picky. They grow individually on the branch and whorl around the twig. The needles are square. Many consider them to have an unpleasant smell when the needles are crushed. The Colorado Blue Spruce is bluish gray in color and the white spruce is bluish green in color.

Fir trees: Needles are flat and softer to the touch. They grow in two rows attached to the twig with structures that look like a suction cup. Fir trees usually are fragrant.

For more information visit:

[National Christmas Tree Association](#)

[Choosing the Right Christmas Tree \(with videos\)](#)

[Christmas Tree Science](#)

[MSU Extension](#)

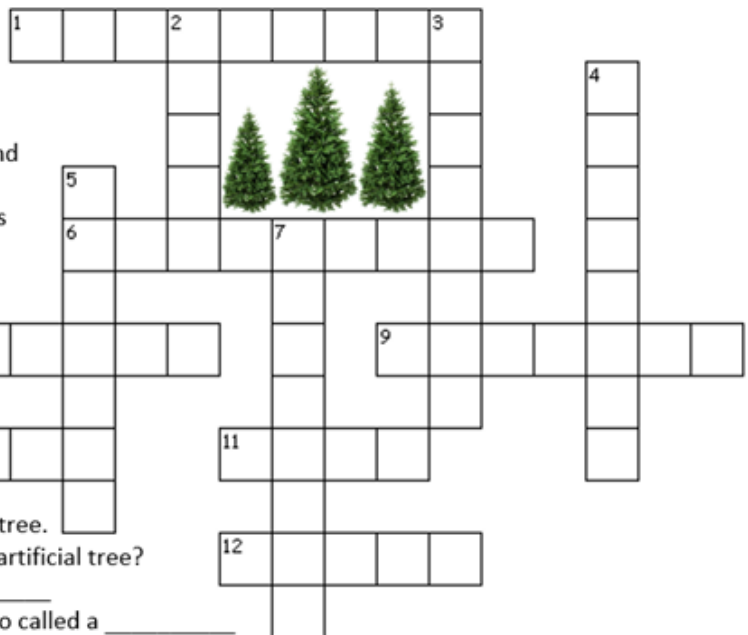
Across

1. The most common Christmas tree grown in Michigan
6. What a Christmas tree is decorated with.
8. Needles on this tree grow in clusters of 5.
9. The long thin leaves of an evergreen tree
10. _____ trees have stiff needles that whorl around the branch.
11. Type of evergreen where the needles grow in clusters
12. The most important thing needed to keep a real Christmas tree fresh.

Christmas Tree Crossword

Down

2. Average number of years it takes to grow a Christmas tree.
3. Which is better for the environment, a real tree or an artificial tree?
4. After the holiday Christmas trees can be _____
5. Because of its cone shaped fruit a Christmas tree is also called a _____
7. State ranked third in Christmas tree production.



The Buzz!

LaDonna Gamble

OK—I'm not ashamed to say this. I've grown weary of winter already. That huge snowstorm in early November dumped several inches on TOP of the leaves that I was planning to rake! Now I have to wait for the snow to melt so I can rake! What is going on?? This is a month that we usually still get a fair amount of Hotline questions. But calls are less perhaps due to the cold. Hopefully we'll get a warm spell so folks can finish putting their gardens to bed. Below are some calls we did get:



We're getting soil test calls

Because I harp on the importance of soil testing so much in the spring, I may have misled some (including myself) to believe that spring is the optimum time to test. You see, I was lulled into believing spring was best because of the sheer number of inquiries and sample kit requests MSUE gets. Turns out it's not because spring is the best time. We are bombarded because gardeners tend to wait until the last minute to get the sample before planting. Fall is actually the ideal time to get your soil tested and this article gives several excellent reasons:

https://www.canr.msu.edu/news/why_soil_test_in_the_fall



When is water testing necessary?

Well, because yours truly is a Flint resident, and because of our city's headline-making issues with lead in the water, my answer will address the question in general for growers. Of course, anyone in the city limits should continue to be diligent about ensuring our soil and water are not contaminated, but let's talk about communities with presumably safe water. Regardless of where you live, all plants process water the same way. Whatever is in the water you use will be absorbed by the plants. It is important to know what is in the water you use, whether it is municipal, well or rain-barrel. Read on:

https://www.canr.msu.edu/uploads/resources/pdfs/lead_safety_for_the_home_garden_info_sheet.2.pdf

https://www.canr.msu.edu/news/how_might_flints_water_contamination_affect_garden_soils_part_2

What to do about injured trees?

My MG training reminded me that there are some follow-up questions I would probably need to ask the caller. What type of injury? What type of tree? Is it just one tree or is there a pattern with more trees? Does the caller know how the injury occurred (like the time I backed into a tree with my brand new mini van—took all the bark off!) All of these questions will help the volunteer to narrow down their search, eliminate disease or decay as the culprit (as opposed to injury) and come up with the most logical answer. The caller may even be asked to email a photo of the injury in question. If it is confirmed that this is indeed an injury, a volunteer can get to work. Regardless, if your tree does, in fact have a wound, it needs attention as wounds can make your tree susceptible to disease, decay or even death. Here is an excellent article on what to do that I found in MSU archives. Read about causes, prevention and addressing tree wounds. The writer joins the debate on whether paints and wound dressings are the answer (he says not).

<http://archive.lib.msu.edu/tic/mitgc/article/1986106.pdf>

Christmas Trees

Mary Yelland

Linus Van Pelt asks in A Charlie Brown Christmas, “Do they still make wooden Christmas Trees?” In Michigan, the answer is a definite “Yes!” Growing about 46,000 acres of Christmas trees, Michigan is 3rd in the production of the famous centerpiece of holiday decor (we follow Oregon and North Carolina). All 50 states have Christmas tree farms with a total of approximately 350 million currently growing Christmas trees growing on those farms. It takes 4 to 15 years to grow a tree to sellable size with an average growing time of 7 years.

If you have a live Christmas tree, MSU Extension provides a few tips to make a fresh tree last the entire holiday season without becoming excessively dry or dropping most of its needles. If buying a pre-cut tree, you can check for freshness by gently pulling on the end of a branch. A fresh tree will hold its needles. If you can pull off the needles easily, keep looking for a fresher tree. The most important factor in keeping your tree fresh is water. If a tree has been cut down more than six to eight hours natural resins have started to clog the tree’s water conducting tissues and a fresh cut of the trunk should be done. Cut an inch or two off the bottom of the tree. If the tree will not be set up right away put the trunk in a bucket of water. A tree will absorb a surprising amount of water especially at first. The best place to set up your tree is important as well. Place the Christmas tree well away from heat sources that can dry out the tree. Avoid placing the tree near registers, space heaters, fireplaces, wood stoves, or televisions. Don’t let the water level in the tree stand drop below the trunk of the tree stump. After the season is over don’t forget to recycle the used tree.

So, what does the Christmas tree have to do with recipes? This month’s recipe is using the shape of the popular holiday decoration to make a yummy Pull-Apart Christmas Tree.

Pull Apart Christmas Tree

1 pound refrigerated pizza dough

Egg wash (1 egg whisked with 1 Tablespoon of water)

7 mozzarella sticks

¼ cup melted butter

½ cup grated Parmesan cheese

1 Tablespoon chopped fresh basil or substitute 1 teaspoon dried basil

1 Tablespoon chopped fresh parsley or substitute 1 teaspoon dried parsley

1 Tablespoon chopped fresh rosemary or substitute 1 teaspoon dried rosemary

Marinara sauce, warmed (for serving)



Preheat oven to 450°. Line a large baking sheet with parchment paper. Cut mozzarella sticks into 1” pieces and set aside. On a floured surface, divide pizza dough into two pieces. Stretch and roll each piece of dough into a long rectangle, then cut dough into 2” squares (you’ll need 32 total). Wrap a dough square around each piece of mozzarella, forming a tightly sealed ball. Place balls seam-side down on the baking sheet in the shape of a Christmas tree (they should be touching). Brush egg wash on dough balls and bake until golden, 15 to 20 minutes.

-
- Cut Christmas trees will absorb a surprising amount of water, particularly during the first week. Generally, trees will use 1 quart of water per inch of trunk diameter, so a tree with a 4-inch diameter trunk may use more than 1 gallon per day.
 - Though there are many commercial products and home remedies claimed to help keep a tree fresh, research has shown that the best additive is just plain water and plenty of it.
 - The Scotch pine that made up between 80 to 90 percent of Christmas trees in the 1980s now only makes up 25 percent of Michigan’s production.

VMS Corner

MSU Extension Link for Genesee County

Michelle Chockley—Lead VMS Ambassador

VMS Log in: <https://michigan.volunteersystem.org/UniversalLogin.cfm>

Did you know there is a link for Genesee County on the MSU Extension website? I have added this link to the home page on VMS for your convenience. There is a wealth of information there, including the last year of the Down to Earth (DTE) newsletters and information regarding our local MSU Extension at the GCCARD building.

MSU Extension Link for Genesee County: https://www.canr.msu.edu/genesee/master_gardener1

I want to thank everyone for entering your hours as the year goes along. I have called, emailed, and sent text messages to get ahold of EMG's to give a "friendly reminder" to update hours. It is greatly appreciated. Here's a recap on the VMS information provided this year in the DTE newsletter:

June DTE: How do you know if a project is approved?

July DTE: How do you enter education and volunteer hours?

August DTE: How do you find the free webinars on VMS?

September DTE: How do you email a group by interest in VMS?

October DTE: How do you edit your profile and update interests on VMS?

November DTE: What is Emeritus and how do you apply?

Onward to finishing up with entering hours by December 31 and then the recertification process begins in January. Please read emails from Diane Brady regarding this process. They are very detailed and provide everything you need to know. As always, Barslund Judd, Mary Yelland, Joanne Gensel and myself are here to help you. Our contact information is on the home page of VMS. Forgot your password? Contact Michelle Chockley for a quick reset or request via the VMS login page. **Reminder:** The 2019 annual required hours for Extension Master Gardeners and Advanced Master Gardeners is 10 education and 20 volunteer hours which are to be completed and reported in the VMS no later than December 31, 2019.

Master Gardener VMS 2.1 - Home

michigan.volunteersystem.org/users/index.cfm

CHASE Bank - Credit... Security Credit Uni... MSU Master Garde... Facebook Apps WayFair Michigan Master G... craigslist: flint classi... MSU Master Garde... Other bookmarks

Manage VMS
Manage Roster
Add Calendar Event
Manage Projects
Newsletters/Documents
Hour Reports
Contact Reports
Photo Albums

Event Calendars
Hotline Calendar
General Events
View All Events

General Information
Member Roster
Projects
Newsletters/Documents

Welcome to the MSU Extension Master Gardener Volunteer Management System (VMS)!

You are a member of the Genesee roster.

If you need assistance or have questions, please contact:

Barslund Judd, Consumer Horticulture Instructor & Master Gardener Coordinator, juddbars@msu.edu

Michelle Chockley, Lead VMS Ambassador, chockleym@gmail.com

Joanne Gensel, VMS Ambassador, jhgensel@gmail.com

Mary Yelland, VMS Ambassador, yelland1@msu.edu

Genesee County Lawn and Garden Hotline
(810) 244-8548, geneseeplantpest@anr.msu.edu

MSU Extension Link for Genesee County
https://www.canr.msu.edu/genesee/master_gardener1

Save the Date! 2020 Master Gardener College

June 12th and 13th, 2020, Kellogg Center, East Lansing. Check regularly for updates VIA the 2020 Master College Link under State Links.

2019 - Finding Accurate Internet Info
2019 - Free Online Education Webinar List
2019 - State Project Categories & Definition
2019 Ext. Master Gardener Trainings
2020 Master Gardener College
Ext. Master Gardener Program Web Site
Frequently Asked Questions - FAQ
Michigan Master Gardener Association (MMGA)
MSU Extension Bookstore
Smart Gardening - MSUE Gardening in Michigan Website
VMS - User Guide
VMS Ambassador List - 2019

Links

#2019 Association Meeting Speakers & How to enter on VMS
#2019 Fall Into Spring Registration Flyer
#Jan 2020 MSU EMG Class Registration Info
*2019 Approved MSU EMG Volunteer

Type here to search

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Master Gardener Association Genesee County

The Master Gardener Association of Genesee County Michigan (MGAGCM) is an association of Extension Master Gardeners (EMGs). Membership is optional for certified Extension Master Gardeners. The MGAGCM provides support to local EMGs through project funding, plant signage, and extra educational opportunities.

Greetings from Alan Grove, MGAGCM Interim Board President

Happy Holidays Everyone!

The Holiday gathering was a fabulous event again this year. I want to thank Peggy Banks and Sharon Kridner once again for their commitment and hard work creating another magical event for us to wind down the year. Our special guests included Mary Wilson (passed out gold badges to 3 members who have reached the 1000 volunteer hour mark) and Mark Rankin (district coordinator).

Entertainment was provided by the Norton Male Chorus. The men have been a singing group for almost 100 years. The group originated as the Buick Male Chorus. The music selection was very enjoyable with songs from various genres. The last song was especially appropriate: Christmas is Coming and I am Getting Fat... a song to cover Thanksgiving, Christmas and all the full stomachs in the room! The raffle table was full of beautiful items bringing in \$383.00 worth of bids. Door prizes were also distributed including the lovely centerpieces assembled Sharon and Peggy.

The potluck was organized this year allowing a cash donation in lieu of a dish. This brought in an additional \$135.00, however, the folks at the end of the line had fewer options to eat. This will be modified for next year. A new board was elected and we have a new person in every position. The last board meeting of the year will be December 2 at 1:00 p.m. at the GCCARD bldg. The current board members will be passing off their batons to the new board members.

The new board is:

Joanne Gensel – President

Sabrina Van Dyke- Vice President

Loretta Ellwood- 2nd Vice President

Michelle Wareham-Treasurer

Margaret Sowle- Secretary

Mel Kennedy- Director A

Kay McCullough-Director B

Thank you for your commitment, hard work and support,
Alan Grove

Greetings from Joanne Gensel—Incoming MGAGCM President

I'd like to thank everyone for their hard work this year! It's been a successful year and I'm proud to have worked alongside my fellow EMGs. We once again have a full board (YIPPEE) and I'm excited for what the future holds. The 2020 board of directors is a team of some new faces and old faces in new positions of responsibility. These folks lead the efforts but require your support and participation to achieve results. My goal is to get back to the basics. I want everyone to feel welcome and I want to focus on our mission of educating the public. Most of all, I want us all to HAVE FUN! In the spirit of focusing on fun and education, I hope to reduce the amount of board and committee meetings when possible. This will give us more time to focus on what we all love, GARDENING! Don't be afraid to reach out to the new board members. We are your fellow Extension Master Gardeners and are here to help make your experience better!

Thank you for all that you do,
Joanne Gensel

Master Gardener Association Genesee County

Websites:

MGAGCM Website—www.geneseecountymg.org

MGAGCM Facebook Page —www.facebook.com/groups/216904628327310/

MMGA Inc Website—www.michiganmastergardener.org

MMGA Inc. Facebook Page—www.facebook.com/MichiganMG/

Upcoming Events:

Extension Master Gardener Hour-Entry Deadline (Dec. 31, 2019)

Extension Master Gardener Regular Re-certification (Jan. 8-Jan. 25, 2020)—\$20.00 fee

Extension Master Gardener Late Re-certification (Jan. 26-Feb.8, 2020)—If you're late, it costs \$30.00!

MGAGCM January Meeting at the GCCARD Bldg. (Thurs., Jan. 16, 2020)

Capital Area MG Symposium—It's All About...The Ins and Outs of Gardening (Sat., Jan. 25, 2020)

The location will be Lansing Community College—West. [See the brochure here.](#) This is the link to the [Capital Area Master Gardener Website.](#)

Master Gardener College, Gardening Visions for 2020 and Beyond, on the campus of Michigan State University (June 12 & 13, 2020) https://www.canr.msu.edu/master_gardener_volunteer_program/master_gardener_college/

If you're looking for a gift for yourself or a gardening friend, consider a registration for the Capital Area Master Gardeners' Annual Winter Symposium—It's All About...The Ins & Outs of Gardening.

The four topics with the speakers are:

- The Foodscape Revolution in Michigan – Brie Arthur, Horticulturist, Home Gardening Promoter, and Author
- Saving and Sharing Seeds – Ben Cohen, Owner of Small House Farm & Author
- Gardening with Grains – Brie Arthur, Horticulturist, Home Gardening Promoter, and Author
- Defining Your Canvas: Landscape Design – Jean Persely, Advanced Extension Master Gardener & Certified Landscape Designer

Where: Lansing Community College West Campus (5708 Cornerstone Drive / Lansing, MI 48917)

When: Saturday, January 25, 2020

Earn: 5 Master Gardener education hours

Cost: \$60.00 early registration prior to Jan. 8th / \$70.00 after Jan. 8th (deadline Jan. 17th)

A link to the association web site can be found at:

<http://mgacac.wordpress.com>

There you can find a link to the brochure, information about hotel rooms, vendors who will be at the conference (as they become available), etc.

If you have questions, you can email: mga.cac@gmail.com