

Marshall County, The Garden Gate

Published by: Marshall County Extension Staff,
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Extension - Marshall County

PURDUE EXTENSION
MASTER GARDENER PROGRAM

Purdue University is an equal access / equal opportunity / affirmative action institution



Extension - Marshall County

PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

Marshall County

112 W. Jefferson St. Rm. 304

Plymouth, IN 46563

Cooperating with U.S. Department of Agriculture

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Marshall County Master Gardener July Update

The Master Gardeners met for a home, garden, and hydroponic greenhouse tour in Bremen by Jim and Shirley Wallace. prior to the regular meeting. There was various vegetables on the property and the greenhouse demonstrated the seeding block to start plants and then how to transplants them to the system. They hydroponic system included lettuce, kale, and spinach that they grow year round. There was also a tour of the house as the owner was a builder and built several houses in that area.

The meeting was hosted by Carol and John Nelson. Carol had prepared cheese and crackers and fruit cups and ice cream to share with the group. Members to attend the meeting were Marion Ellis, Tamara Libersky, Caitlin Spencer, Donna Napier, Barb White, Amy and Roy Heinke, Roy Danforth, Lynn Fitzpatrick, Harold Diedrich, Shirley DeMotteo, Pap Popa, Carol Nelson, Pat and David Kaiser, and Brianne Slonaker. During the meeting the group discussed the upcoming Fair booth was discusses. The same backdrop from the Home and Garden Expo would be used and members were asked to bring drought resistant plants and succulents. Shirley brought plants and Mary Native plants from her show Naiad Native Plants, LLC. Signed up for spots.

The group also discussed the August meeting at Caitlin's Farm in Bremen. She will have an area to host the meeting and then have a cut flower tour. Flower beds should be at the prime of the year! A golf cart will be available to help get around the farm if needed.

Additionally, upcoming meetings and trips were on the agenda. Firstly, the annual Plant Swap will be in September this year and the location is currently set to be at Puerto Vallarta on the Lake (Pretty Lake) on TUESDAY September 12th. The date was changed to accommodate the restaurant being open. Next, the trip to Michigan for the Cranberry Tour was also discussed. The group talked about carpooling with a van or bus. More information will be discussed at the August meeting. Christmas breakfast may once again be a Frida's in Culver. We will confirm those details in upcoming meetings.



August

14– Board Meeting @ 6PM

14– Monthly Meeting @7PM

September

4– Office Closed

12– Monthly Meeting and Plant Swap (New Date)

October

12– DeGrandchamps Cranberry Harvest Tour in MI.

Submit your Volunteer and Educational Hours!

In order to stay an active member you will need 12 hours of volunteer time, 6 hours of educational hours, and you will need to fill out the Annual Agreement each year!

<https://www.purdue.edu/mg-volunteer/login.php>



If you would like to turn in or call in your hours in to our office to be recorded you send them to:

**Marshall Co. Extension
Office
574-935-8545**



 www.facebook.com/marshallcountymastergardeners

 www.facebook.com/marshallanr

 [smore https://www.smore.com/u/purdueboilmaker](https://www.smore.com/u/purdueboilmaker)

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2023 Master Gardener Officers

President: Harold Diedrich 574-936-4546
Vice President: Barbara White, 574-936-6725
Secretary: Krystyna Hyczyk 574-806-0848
Treasurer: Carol Nelson, 574-315-5577

Board Members

Amy Heinke
Ken Waite
Deborah Howard
Lynn Fitzpatrick

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Purdue official shirts were shown and many purchased the shirt from the website. The group still needs to design a shirt for all members and that is set to be discussed at the board meeting in August.

A group will go up to visit the Unity Gardens in South Bend to see what that group is doing and how we can expand those efforts to our Unity Garden here in Plymouth. Master Gardeners are wanting to do more with Unity Gardens in Marshall County and want to help and aid other groups in those gardeners.

Master Gardener August Meetings

August 14, 2023

Board Meeting

6:00 PM at Caitlin’s Farm

MG Meeting to follow at 7:00 PM

Caitlyn Spencer’s Farm

69062 Miami Road, Bremen, IN 46506

Our new ANR Educator, Brianna will so do a brief educational topic on “Garden Soil”. Member shirts will be discussed and upcoming meetings.



al-

August Speaker

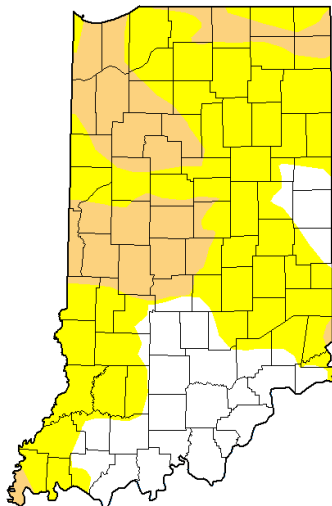
Brianna Slonaker

“Garden Soil”

Brianna will be sharing insights on mixing your own potting soil. Along with the proper care and maintenance of potting soil, she will also be sharing how to properly take soil samples in your garden.

Indiana Drought Map

U.S. Drought Monitor
Indiana



July 18, 2023
(Released Thursday, Jul. 20, 2023)
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	23.40	76.60	23.98	0.00	0.00	0.00
Last Week 07-11-2023	18.77	81.23	42.95	18.75	0.00	0.00
3 Months Ago 04-18-2023	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2023	6.84	93.16	58.37	1.34	0.00	0.00
Start of Water Year 09-21-2022	80.92	19.08	0.00	0.00	0.00	0.00
One Year Ago 07-18-2022	31.19	68.81	17.95	0.00	0.00	0.00

Intensity

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

Vegetable Twilight Meeting at Pinney Purdue Ag Center on August 24th

Pumpkins, peppers, sweet corn, compost, tomatoes, and more will be discussed at the August 24th Vegetable Twilight Meeting at Pinney Purdue Ag Center, 5 to 8 p.m. Central Time. Vegetable farmers, market gardeners, urban farmers, and home gardeners are invited to tour trials and hear from researchers and educators about weed management in pumpkins; key tips for pepper production; no-till sweet corn; compost and its interaction with soil microorganisms, plant disease, and plant nutrition; managing insects in high tunnels/hoophouses; and managing diseases of pumpkins and tomatoes. There will be sweet corn tasting after the program. Pinney Purdue Ag Center is located at 11402 S. County Line Rd., Wanatah, Indiana.

To register or if you have other questions, please contact Nikky Witkowski, 219-365-3555 or nikky@purdue.edu. Please register by Monday,

August 21, 2023.



OISC CLEAN SWEEP PESTICIDE DISPOSAL

WHAT

Indiana Pesticide Clean Sweep Project designed to collect and dispose of suspended, canceled, banned, unusable, opened, unopened or just unwanted pesticides (herbicides, insecticides, rodenticides, fungicides, miticides, etc.) is being sponsored by the Office of Indiana State Chemist (OISC). This disposal service is free of charge up to 250 pounds per participant. Over 250 pounds there will be a \$2.00 per pound charge. This is a great opportunity for you to legally dispose of unwanted products at little or no cost.

WHO

All public and private schools, golf courses, nurseries, farmers, ag dealers, general public, cities, towns, municipalities and county units of government or others receiving this notice are eligible to participate.

PARTICIPANT FORM

Please go to oisc.purdue.edu to complete the Clean Sweep Participant Form or email cleansweep@groups.purdue.edu to have a participant form emailed.

DATES / LOCATIONS

9am to 3pm Local
Time

August 15, 2023:

Wayne County
Fairgrounds
861 N. Salisbury Road
Richmond, Indiana
47374

August 16, 2023:

Jackson County
Fairgrounds
476 E. Co Rd 100 S.
Brownstown, Indiana
47220

August 17, 2023:

Elkhart County Solid
Waste
59530 Co Rd 7
Elkhart, Indiana 46517

August 22, 2023:

Posey County Co-Op
Gibson County
235 State Rd 68
Haubstadt, Indiana
47639

August 23, 2023:

Newton County
Highway Department
3640 S. 275 W.
Morocco, Indiana
47963

August 24, 2023:

Hendricks County
Fairgrounds
1900 E. Main St.
Danville, Indiana
46122

Rain Brings Drought Improvement, but for how long?

By: Beth Hall

After another week of decent rains across the state, abnormally dry and drought conditions continue to improve according to the latest U.S. Drought Monitor. This has been promising news for both water supplies and agricultural production across the state. As we wonder how long this good fortune might last, we need to think in terms of both temperature and precipitation. Certainly, regular rain events help to keep the environment from getting too dry. However, excessively warm temperatures can increase the rate of dryness even if rain events pass through the area.

Did you know we are in the heart of the climatological warmest weeks of the year? This isn't true everywhere in the U.S. In Indiana, this has typically occurred in the last half of July into early August. If this year mimics this climatological average, then the evapotranspiration rates should start to decrease. Unfortunately, climate outlooks for July 25th through August 2nd are heavily favoring above-normal temperatures with near normal precipitation amounts. Near the end of that period, there is a slight chance for above-normal precipitation over Indiana, but will that be too little, too late?

It is quite possible that Indiana may experience drought conditions worsening slightly for a few weeks before conditions start to return to near normal or more favorable patterns. The monthly outlook for August (released July 20th) provides no guidance regarding temperature, but with probabilities slightly favoring above-normal precipitation in southern counties. The seasonal outlook for August through October is slightly favoring above-normal temperature with relatively weak probabilities for southern Indiana.

You can check the Drought Map by visiting droughttmonitor.unl.edu.

Maps are updated weekly on Thursdays. You can click the region of interest on the map for a closer look.

Be on the Lookout for Bad Pests!

Gardeners are exposed to many different pests in our area. West Nile Virus (spread through Mosquitos) and Lyme Disease (spread through ticks) are two diseases that can cause gardeners trouble during the growing season. Safety and protection from these pests will help protect you from these possible diseases.

West Nile Virus (E-240-W Publication):

With the arrival of summer, another West Nile virus (WNV) season is just around the corner. Because of the potential health effects of this mosquito borne virus, you should learn more about WNV and how to take simple precautions that can reduce the risk of WNV for you and your family. What is West Nile virus? WNV is a flavivirus (this is a group of viruses that includes St Louis and Japanese Encephalitis viruses). Following transmission by an infected mosquito, WNV multiplies in the person's blood system and can interfere with normal central nervous system functioning. WNV is a relatively new disease in the US. Research on WNV and its effects on humans, mosquitoes, birds and other animals is limited. There are many aspects of this disease that we still do not understand.

WNV is transmitted to humans through the bite of infected mosquitoes. Mosquitoes become infected with WNV when they feed on infected birds. Unfortunately, there is no approved drug treatment for people with WNV, and there is no human vaccine to protect against WNV at this time. Intensive supportive care is provided to people with severe WNV disease.

In Indiana, the Indiana State Department of Health (ISDH) tracks WNV-positive identifications in birds, horses, mosquitoes, and humans in all counties on a regular basis. You can find WNV maps on the ISDH Website <http://www.in.gov/isdh/>

How can I protect myself from West Nile Virus? The best way to avoid WNV is to avoid being bitten by mosquitoes. There are a number of simple ways to do this. Mosquitoes are active from dusk to dawn, and many species of mosquitoes have a peak in activity at sunset; this is when the female mosquito searches for a vertebrate host to take a blood meal.

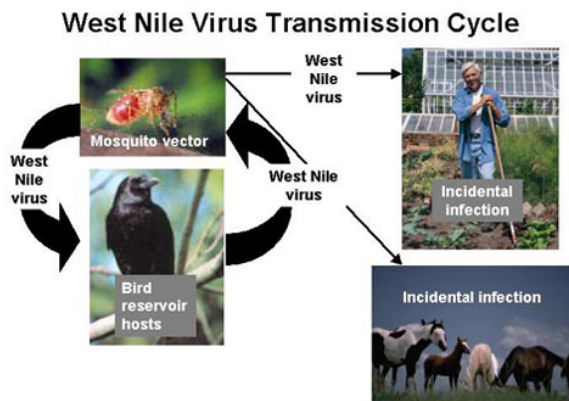
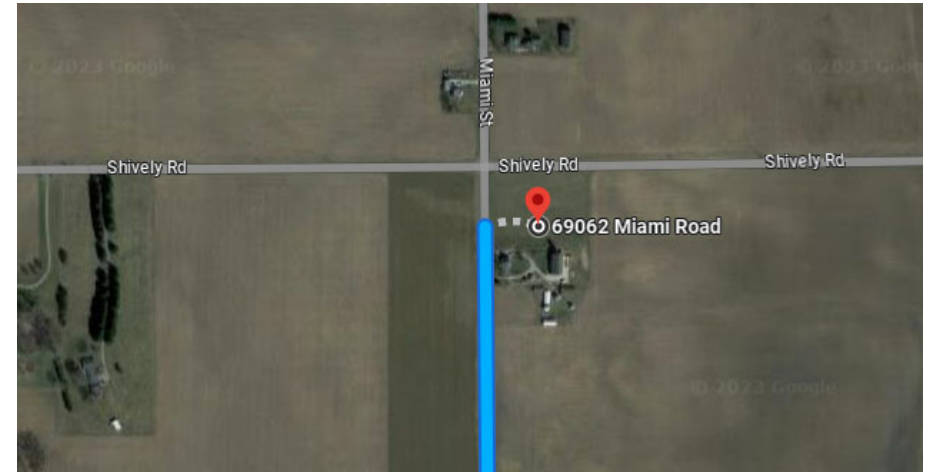


Figure 3. West Nile virus disease transmission cycle.
(Photo Credit: Centers for Disease Control and Prevention)

Directions to Spencer Family Farm for the August Meetings



From Plymouth:

Take Hwy 31 or Michigan Rd North toward Lapaz. Then take Hwy 6 east toward Bremen. Continue on Hwy 6 until Miami Street. Take a Left to go north on Miami St. Continue on Miami St and the destination will be on the right hand side of the road. If you pass Shively Rd, you have gone too far.

From Bourbon:

Take 331 north toward Bremen. Take Hwy 6 West. Turn right on top Miami Street to head north. Continue on Miami St and the destination will be on the right hand side of the road. If you pass Shively Rd, you have gone too far.

From Culver/Argos:

Take Hwy 10 East. Continue on Hwy 10 until you reach Hwy 331. Take Hwy 331 North. Follow directions above from Bourbon.

2023 Marshall County Fair



This year's fair booth was such a wonderful display! We had a great turn out of volunteers to support the display and share their knowledge. We want to give a big THANK YOU to all the volunteers that helped during Fair week!

Shirley DeMotteo, Pat Kaiser, Pat Popa, Roy Danforth, Dave Kaiser, Caitlin Spencer, Tamara Libersky, Harold Diedrich, Mary Wojcik, Marion Ellis, Barb White, and Donna Napier.

We truly appreciate all the wonderful efforts from all of our volunteers!

This year's rain barrel winner was Laura Miller! We had MANY people put in a ticket in our rain barrel raffle. A thank you again to the Recycle Depot for donating the rain barrel to our booth!

Total Number of Volunteers for this event: 12

Total Number of Volunteer Hours for this event: 130.5

You can avoid being bitten by: Staying indoors during peak mosquito activity, Wearing protective clothing (e.g., long pants and a shirt, shoes and socks). Using an approved insect repellent such as DEET; follow label directions, Checking and repairing the screens on doors and windows, Keeping doors and windows closed at night, Using a mosquito net if you are camping Citronella candles and bug zappers have not proven effective in preventing mosquito bites. Newer devices such as the "Mosquito Magnet" may be effective at reducing mosquitoes in an area but should not be relied on to prevent exposure to mosquitoes infected with WNV or other mosquito borne diseases.

Lyme Disease (E-244-W Publication):

What Is Lyme Disease and Where Does It Occur? Lyme disease is a new name for a disease that has been recognized in Europe and Asia since the early 1900s. In the U.S., Lyme disease was first recognized as a new form of inflammatory arthritis in the area of Lyme and Old Lyme, Lyme disease cases have been documented from more than 70 counties in Indiana.

How Can I Protect Myself From Lyme Disease? There is no Lyme disease vaccine for humans. (A vaccine was available until February 2002, but was taken off the market by the manufacturer.) Accordingly, the best protection is to avoid infested habitats during the height of the tick season. If this is not possible, the following practices are recommended: Wear light-colored clothing consisting of a long-sleeved shirt, long pants, and also wear boots. Tuck the shirt into pants and the pants into socks. Apply repellent containing 15-30 % DEET to clothes and exposed skin and/or apply permethrin to clothes. Wash clothing in hot, soapy water to kill any unseen immature ticks. See a doctor if you experience flu-like symptoms or an EM lesion at the site of tick attachment. Adult black-legged ticks rarely are found on humans, but they are known to feed on dogs and cats

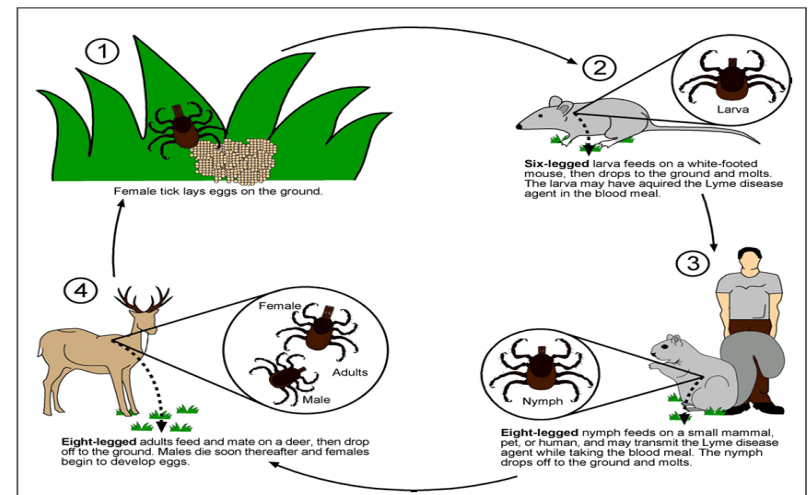


Figure 4. Transmission cycle of Lyme disease including *Ixodes scapularis* (black-legged tick).
(Drawing credit: Scott Charlesworth, Purdue University)

Recognizing and Managing Poison Hemlock

By: John Woodmansee

The Purdue experts said that poison hemlock is a biennial weed that exists as a low-growing herb in the first year, and bolts to three to eight feet tall in the second year, when it produces flowers and seed. It is often not noticed until the bolting and reproductive stages of the second year. Poison hemlock is often confused with wild carrot, but can be distinguished by its lack of hairs and purple blotches that occur on the stems.

The experts pointed out that poison hemlock contains five alkaloids that are toxic to humans and livestock, and it can be lethal if ingested. They warn that the plant's alkaloids may also be absorbed through the skin, so if you find yourself hand-pulling poison hemlock, it would be a good idea to wear gloves. All parts of the plants contain the toxic alkaloids with levels being variable throughout the year. Symptoms of toxicity include nervousness, trembling, and loss of coordination followed by depression, coma, and/or death. Initial symptoms will occur within a few hours of ingestion.

For history buffs, the Greek philosopher Socrates was sentenced to death by hemlock poisoning.



Figure 1. First-year rosette
Ron Rathfon, Extension forester, Purdue University



Figure 2a. Purple spotting on stems
Jan Samanek, State Phytosanitary Administration, Bugwood.org



PRIVATE PAGE just for our Master Gardeners
www.facebook.com/groups/217503359656977

PUBLIC PAGE for our community
www.facebook.com/marshallcountymastergardeners

Marshall Co. Association
Annual

PLANT AND TOOL SWAP

TUESDAY, 12 SEPTEMBER 2023 • TBD
PUERTO VALLARTA ON THE LAKE
10055 PRETTY LAKE TRAIL
PLYMOUTH, IN 46563

Marshall County Master Gardener Association
Members are invited to the annual plant and tool swap. Bring house plants, perennials, bulbs, and any garden tools to swap with other members.

Our plant swap will be 30 minutes before our Monthly Meeting in September. More information to follow.

MARSHALL COUNTY RESOURCES

WHAT WE DO

We improve lives and livelihoods by delivering tested and trusted educational resources. The Cooperative Extension Service is one of the nation's largest providers of scientific research-based information and education. It's a network of colleges, universities, and the U.S. Department of Agriculture, serving communities and counties across America. The Purdue Extension focuses on: Agriculture and Natural Resources, Human and Health Sciences, Economic and Community Development and 4-H Youth.

4-H Youth Development						
Today July 2023						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
25 3pm Center Twp 3pm Cake Decor	26 4:30pm Office Op	27	28	29	30	
2	3	4 Independence Office Closed	5 6pm 4-H Council	6	7	8 11am Trip- Mast
9 4pm Early Check 7pm Master Gar	10 8am 4-H Judging	11 4pm Early Check	12 8am 4-H Judging	13	14 4-H Fair - Mar	15
4-H Fair - Marshall County Fairgrounds, 211 W Walnut St, Argos, IN 46501, USA						
16	17	18	19	20 10am Pressure C	21	22
23	24	25	26	27	28	29
30	31 8am ServSafe M	Aug 1	2 7pm 4-H Council	3	4	5

DEPARTMENTS

4-H & YOUTH
DEVELOPMENT

AG & NATURAL
RESOURCES

HEALTH &
HUMAN
SCIENCES
& SERVSAFE
PROGRAM

COUNTY OFFICES

MARSHALL
COUNTY STAFF

MARSHALL
COUNTY MASTER
GARDENERS

Resources for Marshall County Master Gardeners

Looking for a past newsletter or the current newsletter? You can also find upcoming Master Gardener Events listed on our Marshall County Purdue Extension Website. There is also 4-H, Health and Human Sciences, and Ag and Natural Resource information as well! Our office calendar also shows upcoming events in our area. To find our website visit:

<https://extension.purdue.edu/county/marshall/>

Then hit the Marshall county Master Gardeners Button on the right hand pane.

Cases of poisoning due to poison hemlock ingestion are rare as the plants emit a mousy odor that makes it undesirable and unpalatable to livestock and humans. Consumption and toxicity in animals usually occur in poorly managed or overgrazed pastures where animals are forced to graze poison hemlock because desirable forage is lacking.

The Purdue experts said control of poison hemlock with herbicides is most effective when applied to plants in the first year of growth, or prior to bolting and flowering in the second year. The closer to the reproductive stages, the less effective the herbicide.



Figure 2b. Base of first-year rosette stem showing purple spotting
Ron Rathfon, Extension forester, Purdue University



Figure 3. Umbrella-shaped flower clusters
Pietro Tenorio-Lezama, Bugwood.org

"In roadside ditches, pastures, and waste areas, herbicides containing triclopyr (Remedy Ultra, Garlon, many others) or triclopyr plus 2,4-D (Crossbow, Crossroad) are most effective in controlling poison hemlock," they said. "Other herbicides that provide adequate control when applied at the proper timing are dicamba (Clarity, many others), metsulfuron-methyl (Escort XP), metsulfuron-methyl plus dicamba plus 2,4-D (Cimarron Max) and clopyralid plus 2,4-D (Curtail)." They caution users to pay attention to pre-plant intervals when these herbicides are used in the spring.

Look-a-likes:



Figure 6. Wild carrot (Queen Anne's lace), *Daucus carota* L.
Wendy VanDyk Evans, Bugwood.org



Figure 7. Cow parsnip, *Heracleum maximum* Bartr
Dave Powell, USDA Forest Service, Bugwood.org

Lakeside Lavender Farm Trip

July 8, 2023



Master Gardener 2023 Calendar

Calendar Designed by Barb White

<p>January 9th– Board Meeting 6PM 9th– Monthly Meeting with Roy Danforth Speaker</p>	<p>July 8– Lakeside Lavender Trip @10 AM CT / 11 AM ET 10th– Meeting and 4H Fair Prep 15–20th 4H Fair. Sign up for booth! 14–Open Class Project drop off 9AM to 12PM 14– Closed Judging @12:30p 15– Open Class Building Open to the Public @ 5PM</p>
<p>February 13th– Monthly Meeting. Bob Yoder Speaker “Climate Changes”</p>	<p>August 14th– Board Meeting 14th– Monthly meeting. Local Trip to Caitlin Spencer Cut Flower Farm</p>
<p>March 13th– Monthly Meeting. Plan for Home show. Get supplies for displays. Garden of Florida Presentation– Harold 31– Set up for Plymouth Home Show 3PM drop off items</p>	<p>September 12th– Monthly Meeting and Plant Swap NEW DATE on TUESDAY.</p>
<p>April 1-2- Plymouth Home and Outdoor Show 24th- Perennial’s Galore Trip</p>	<p>October 12– DeGrandchamps Cranberry Harvest Tour in MI.</p>
<p>May 8th- Board Meeting and Monthly Meeting. Prep Farmers Market. Speaker. 20 and 27- Farmer’s Market Plant Sale 24– Garden Tour @ Chet & Janes Hall Property</p>	<p>November TBD– Annual Extension Board Dinner? TBD– Harvest Dinner at Ext. Office</p>
<p>June 12th– Monthly Meeting.</p>	<p>December 2– Annual MG Breakfast</p>