

UPCOMING EVENTS

(Some events may apply for volunteer hours and/or continuing education credits.) For any questions, please contact **Nate Walton at 231-256-9888** or waltonn2@msu.edu

MASTER GARDENER ASSOCIATION OF NORTHWEST MICHIGAN (MGANM)

Presentations require registration at www.mganm.org Presentations offer Continuing Education credits unless otherwise noted. A \$5 donation is requested for non-MGANM members.

Aug. 8 (Tue.) 4:30-7:00 p.m. "The Botanic Garden at Historic Barns Park Potluck Picnic and Tour of the Gardens. A **MGANM member only and +1 guest event.** We will meet in the pavilion for the potluck, gathering with new and longtime MGANM members. Bring a dish to pass and MGANM will provide drinks, plates, and cutlery. The docent led evening tour will highlight what is growing at The Botanic Garden at the height of the summer. To register: <https://wordenwood80027.wildapricot.org/event-5258434>

Sep. 12 (Tue.) 6:30-8:00 p.m. The **MMGANM's member meeting** at the Boardman River Nature Center will feature Nathan Griswold from Inhabitect with a quick presentation that also highlights the Master Gardener Shed Green Roof Project here on the grounds. It is open to the public and non-members are welcome, with a suggested (not required) donation of \$5. There will be refreshments!

Love photography and your garden? Submit your photos to us. We would love to include them on our website, in Facebook posts, Instagram page or The Real Dirt Newsletter. Please send them to Sue Sensenbaugh-Padgett at ssensenbaugh@yahoo.com We also are discussing having a photo contest! Stay tuned.

Looking for writers! Yes, in every Real Dirt newsletter we have asked for people to write a fact-based gardening/environmental/conservation article that interests them. We are also looking at including a topic titled: "**What Are You Reading?**" Even if you don't want to write the article, but have ideas please let us know. Did you know you get volunteer hours for doing that? Is there a gardening question you wonder about? Are there pictures you can share? (Remember these must be yours) What projects are you planning or volunteering on? Please send your ideas and pictures to Sue Sensenbaugh-Padgett. ssensenbaugh@yahoo.com. Additionally, Sue can help you edit it.

THE BOTANIC GARDEN AT HISTORIC BARNES PARK

Some events may have a charge and most all need pre-registration. Events usually sell out quickly. Please consult the website and Facebook page for cost, information on the presenters and registration. * Please check the website and the Facebook page to see if there are any additions since events sometimes are added after the newsletter is written. *

www.thebotanicgarden.org/events/

The Botanic Garden is always looking for new folks willing to give a little time (and have lots of fun doing it!) volunteering as **Docents, Gardeners, Hosts and Hostesses or 'Possums'** (grounds and maintenance helpers).

Aug. 10 (Thur.) 6:00-8:00 p.m. "Launch of *Fixey the Fox*" Bring your favorite stuffed animal and your excitement for a brand-new book all about the animals at The Botanic Garden. We will be hosting a book reading and reception for local author JeffrAy Kessler for the launch of *Fixey Fox Lights the Night*. Light refreshments will be served, and no reservations are required for this FREE EVENT, but donations are always welcome. Bring the whole family!

Aug. 27 (Sun.) 1:00-2:30 p.m. "Family Bug Class" with Dr. Nate Walton. Please check later for more information.

At the time of writing the newsletter more August and September events were not listed on the website or Facebook. There will be a "Fall Foraging Class" with Clay Bowers. Please check the website and Facebook page later for any additions

PLANT IT WILD

***The programs will be in person and on Zoom. The new in-person location is the Mills Community House at 891 Michigan Avenue (US 31), Benzonia, MI. To join via Zoom, e-mail plantitwild2day@gmail.com to register for the program. A Zoom invitation will be sent to you prior to the Program. ***

Aug. 3 (Thur.) 9:00 a.m.-12:00 p.m. "Field Trip-Interlochen Arts Academy Horticulture Gardens Tour" (meet at Lyon Road Pavilion). Dr. Emily Umbarger, the IAA Director of Sustainability, will guide us around the pollinator garden, rain garden and shoreline protection garden. To register: email plantitwild2day@gmail.com

Aug. 16 (Wed.) 7:00 p.m. "Landscape Design Tips for Native Gardens" Join the Executive Director of The Botanic Garden at Historic Barns Park, Matthew Ross, as he shares tips and techniques to elevate your native gardens. **The program will be in person and on Zoom. To join via Zoom, e-mail plantitwild2day@gmail.com to register for the program. A Zoom invitation will be sent to you prior to the Program.**

Aug. 17 (Thur.) 10:00 a.m.-12:00 p.m. "Field Trip-Tour The Botanic Gardens at Historic Barns Park" 1490 Red Drive, Traverse City.

Aug. 23 (Wed.) 10:00 a.m.-12:00 p.m. "Field Trip-Marsh Wildflowers at Arcadia Marsh" led by Paula Dreeszen, GTCLC Steward. A marsh ecosystem and plant community are exceptionally valuable as they filter water and teem with life. (Universally Accessible trail) GTRLC's Arcadia Marsh Property on M-22 in Arcadia. Attendance is limited. To register: www.gtrlc.org/recreation-events/events/

Sep. 20 (Wed.) 10:00 a.m.-12:00 p.m. "Invasive Species I.D. Hike-Railroad Point Natural Area-Frankfort" Join ISN Coordinator Audrey on a hike through the Railroad Point Natural Area. Learn to identify common invasive species during the hike. This trail does consist of an uphill portion that may be strenuous to some. For more information and registration:

<https://www.habitatmatters.org/events.html>

Sep. 20 (Wed.) 7:00 p.m. "Climate Change and Trees" Trees are valuable in carbon sequestration, habitat services and sense of place. Today they are under extreme pressure from invasive diseases and climate change. Maddy Baroli from the ATREP project and Ellie Johnson, County Forester lead the discussion. **The program will be in person and on Zoom. To join via Zoom, e-mail plantitwild2day@gmail.com to register for the program. A Zoom invitation will be sent to you prior to the Program.**

GRAND TRAVERSE CONSERVATION DISTRICT-BOARDMAN RIVER NATURE CENTER-1450 Cass Road, Traverse City

Aug. 10 (Thur.) 8:30-9:30 p.m. "Owl Prowl" Discover the different owl species that call the Boardman River Nature Center home! Let's see if we can talk their language and call to some owls! This program will start at the Nature Center followed by a short hike to call in owls. For more information and to register:

<https://gtcd.wufoo.com/forms/q1s7xmk21qst7mz/>

Aug. 11 (Fri.) 5:00-7:00 p.m. "Night at the Nature Center" For more information and to register: <https://gtcd.wufoo.com/forms/qbkorjh1ct707a/>

Aug. 16 (Wed.) 4:00-6:30 p.m. "Guided Float at Brown Bridge Quiet Area" Join District staff for a guided float down the Boardman River from the launch at Scheck's Place State Forest Campground to the Brown Bridge Quiet Area canoe landing while learning about topics associated with the watershed, river ecology, and restoration and recreational efforts within the Brown Bridge Quiet Area. Some paddling experience is recommended. Children must be accompanied by an experienced adult paddler (ages 12+). Meet at Scheck's Place State Forest Campground. The event is free. For more information and to register:

<https://gtcd.wufoo.com/forms/q1l8wof60chmo1q/>

Aug. 19 (Sat.) 8:00 a.m.-2:00 p.m. "Project Learning Tree K-8 Workshop" For more information and to register:

<https://gtcd.wufoo.com/forms/qbkorjh1ct707a/>

Sep. 8 (Fri.) Aug. 11 (Fri.) 5:00-7:00 p.m. "Night at the Nature Center" For more information and to register:

<https://gtcd.wufoo.com/forms/q5fcr0v12hhrl2/>

NORTHWEST MICHIGAN INVASIVE SPECIES NETWORK (ISN)

Aug. 11 (Fri.) 10:00 a.m.-12:00 p.m. "Natural Habitats Field Day-Manistee County" North Point Park. For more information and to register:

https://forms.office.com/Pages/ResponsePage.aspx?id=qxtf_8P000C59KJqBVhE8ZPROGWKSCBOq16WDIJvg_RUMDq1T1BBUzU0R1JPU041Q1dWT1FZVIc0QS4u

Aug. 15 (Tue.) "Invasive I.D. Hike-Veronica Valley" Join ISN Coordinator, Audrey Menninga, on a short walk around Veronica Valley as she points out invasive species located around the park. This hike is easy difficulty, with mostly flat, unpaved trails. Registration is not required but is appreciated: www.habitatmatters.org/events

Aug. 24 (Thur.) 10:00 a.m.-12:00 p.m. "Invasive I.D. Hike-Timbers Recreational Area" Join ISN Coordinator Audrey Menninga on a hike through Timbers Recreational Area. Learn how to identify common and some odd ornamental invasive species found on the property. This trail is ADA accessible for half of the trail. For more information and to register: www.habitatmatters.org/events

Aug. 29 (Tue.) 5:30-7:30 p.m. "Autumn Olive Workshop-Saving Birds Thru Habitat" Join ISN Coordinator, Audrey Menninga, and Habitat Management Specialist, Murielle Garbarino, as we cover how to manage autumn olive and other woody invasives from start to finish. Saving Birds Thru Habitat is located at 5020 N. Putnam Road, Omena, MI. For more information and to register: www.habitatmatters.org/events

Sep. 7 (Thur.) 5:30-7:30 p.m. "Autumn Olive Workshop-Orchard Beach State Park-Manistee" For more information and to register:

<https://gtcd.wufoo.com/forms/mmrzw7e08wh58x/>

Sep. 20 (Wed.) 10:00 a.m.-12:00 p.m. "Invasive Species I.D. Hike-Railroad Point Natural Area-Frankfort" Join ISN Coordinator Audrey on a hike through the Railroad Point Natural Area. Learn to identify common invasive species during the hike. This trail does consist of an uphill portion that may be strenuous to some. For more information and to register:

<https://www.habitatmatters.org/events.html>

FOUR SEASON NURSERY PROGRAMS-BRIAN ZIMMERMAN

Aug. 24 (Thur.) 1:00-2:00 p.m. "Pollinators in the Garden" In developing native gardens the last 15 years we have noticed an amazing number of native pollinators that have found the nursery. We will discuss the best plants to encourage pollinators and we will spend time in the nursery watching them work. This is an afternoon program when pollinators are at their busiest. To register:

<https://www.fourseasonnurserytc.com/nursery-events>

Sep. 14 (Thur.) 1:00-2:00 p.m. "Garden Tour-Plants of Interest & Pollinators"

Over many years I have developed large gardens and filled them with many native perennials and grasses, interspersing unique evergreens that are not usually found in gardens. Many dwarf cultivars that will fit in a smaller space. This will be an afternoon tour. Bring your walking shoes. To register:

<https://www.fourseasonnurserytc.com/nursery-events>

MICHIGAN STATE UNIVERSITY-HORTICULTURE GARDENS-BEE PALOOZA

Aug. 13 (Sun.) 1:00-4:00 p.m. "Bee Palooza" MSU Horticulture Gardens-Department of Entomology. Pollinator identification is just one of the many activities on offer at Bee Palooza. Conquer your fears at the bee petting zoo. Practice your waggle dance after you've had your face painted like a bee. Don your explorer cap and go on a bee safari in the Horticulture Garden, and more! For more information:

https://www.canr.msu.edu/news/bee-palooza?utm_source=cc&utm_medium=email&utm_campaign=extensiondigests

GRAND TRAVERSE REGIONAL LAND CONSERVANCY

There are several hikes, conservation center tours and paddling adventures during August and September. Please see the website for more information and to register:

<https://www.gtrlc.org/recreation-events/events/>

ANTRIM CONSERVATION DISTRICT

There are several events during August and September, including hikes and paddling adventures. Please see the website for more information and to register:

<https://www.antrimcd.com/>

MANISTEE CONSERVATION DISTRICT

Aug. 4 (Fri.) 10:00 a.m.-1:00 p.m. "Adventure in Glen Park" For more information and to register <https://www.manisteed2.org/glen-park-adventure-walk>

MICHIGAN STATE UNIVERSITY EXTENSION-FOUNDATIONS OF GARDENING-FALL 2023

Sep. 5-Nov. 21-Tuesday mornings 10:00 a.m.-12:30 p.m. Virtual class meetings-10 weeks. Cost: \$350 For more information and how to register: <https://www.canr.msu.edu/courses/foundations-of-gardening> Registration deadline September 1 or when class section is full.

MICHIGAN CONSERVATION STEWARDS PROGRAM-MICHIGAN STATE UNIVERSITY EXTENSION-FALL 2023

For more information and to register:

<https://events.anr.msu.edu/event.cfm?eventID=8B1A81D3823D5C0FE5B613EAA5D2E241A42A90E502ECBCBDEFF816DD77003E2B>

PERENNIAL FARM ECOSYSTEM CONFERENCE-LEELANAU CONSERVATION DISTRICT

Sep. 8 (Fri.) 9:00 a.m.-4:00 p.m. \$25. Leelanau Government Center-Community Meeting Room. For more information and to register:

https://docs.google.com/forms/d/13GnNM3O7AyIdI49BITHvjlbmD4IGY21yPFIJuOm9kzE/viewform?edit_requested=true

THE FRIENDLY GARDEN CLUB of TRAVERSE CITY 100TH YEAR ANNIVERSARY CELEBRATION

Sep. 26 (Tue.) Theme: "*Flowers and Fashions Through the Decade*" Derek Woodruff will be presenting a floral design program per decade with coordinating fashion since 1923. The public is invited. Buffet lunch is \$45. Lunch and celebration at the Hagerty Center, 715 E. Front Street, Traverse City. Registration details will be coming soon: www.thefriendlygardenclub.org or the Facebook page.

VOLUNTEER OPPORTUNITIES

Visit Volunteer Central for a complete list of local volunteer opportunities:

https://msu.samaritan.com/custom/502/volunteer_home

NW MICHIGAN FAIR

Aug. 5-13 EMG Volunteers Needed: EMG Volunteers are needed for the Floriculture/Horticulture competition in the Tanner Building at the Northwest Michigan Fair. The Tanner Building at the Northwest Michigan Fair houses the Agriculture, Floriculture, and Horticulture competition. For several years, EMG Volunteers have helped oversee the horticulture/floriculture displays and provide horticulture education in the building. You can sign up for a shift by calling the MSU Extension office in Leelanau County at 231-256-9888 or by using this online sign up form: <https://www.signupgenius.com/go/70A054CA4A82BA2F49-northwest>. Full event details will be sent to the email that you provide in the online sign-up form. The fair is located south of Chum's corners just off M-37 on Blair Town Hall Rd. You will receive free entry to the fair on the day that you volunteer! Let me know if you have any questions and thank you for volunteering! Nate

P.S. I would also encourage you to enter your floral arrangements and/or prize vegetables in the competitions! It is a lot of fun to participate. Details for how to enter can be found in the fair book and/or on the fair website here: <https://www.northwesternmichiganfair.net/>

MSU EXTENSION PLANT DIAGNOSTIC CLINIC-LEELANAU/GRAND TRAVERSE

Every Wednesday from 10:00 a.m.-2:00 p.m. at the Grand Traverse (520 W. Front Street) **and Leelanau County** (8527 E Govt Center Dr, Suttons Bay, MI) **MSU Extension offices.** Every Wednesday 10 a.m.-2 p.m. throughout the summer, you can join me and other MSU EMG volunteers as we assist with plant ID, bug ID, and plant disease diagnosis and recommendations. No prior experience is necessary! You can learn alongside other volunteers as we work together to solve problems for area residents. **Contact me to RSVP and for any questions you might have!** No prior experience is necessary! You will have "on-the-job" training. Contact Nate Walton if you would like to get involved: waltonn2@msu.edu

MSU EXTENSION PLANT DIAGNOSTIC CLINIC – BENZONIA

Every second Tuesday of the month from 10:00am–2:00pm at the Mills Community House, you can use your gardening knowledge to assist local residents with their garden and plant health questions. Contact Nate Walton if you'd like to get involved: (waltonn2@msu.edu)!

EMG PROJECTS IN BENZONIA

EMGs will be volunteering in these garden spaces and will be needing assistance for clean-up, weeding, planting, and other maintenance:

U.S. Post Office Garden Beds

Dorothy's Corner Garden-Kitty-corner to the post office garden

Mills Community House gardens

For more information, please contact Steve Stephens sastephens45@gmail.com
630-816-5588

LEELANAU COUNTY GOVERNMENT CENTER NATIVE PLANT GARDENS

Tuesdays 10:00 a.m.-12:00 p.m. Master Gardener Volunteers Tom Patton, Kathy Spinniken, Jim Egan, and Sue Warren meet during the summer every Tuesday morning for about 2 hours working to maintain these beautiful gardens. They weed, mulch, prune, thin plants and replace plants that are not happy in their current locations. They enjoy working together and it is a treat to get together each week. More help is welcomed, since it seems that everything never gets quite done each week. As a bonus you will learn about native plants you might incorporate into your own landscape. For more information, please contact Sue Warren: warrensusani@gmail.com

OLD TOWNE CORNERS

These gardens are in the corner cuts on Cass Street and Union Streets that were planted by neighborhood volunteers and EMGVs in 2021. The plants are primarily

native perennials that provide flowers for pollinators and provide a traffic calming effect. Educational signs are provided, and community volunteers learn about gardening from EMGs during the workbees. Meet in the St. Francis School Parking Lot at the corner of Cass and 11th Street. Please contact Judy Reich to sign up or for more information: jlr.tvc@gmail.com **231-633-5635**

OUR NEIGHBORS' GARDEN (ONG)

Contact Tom Emling for more information: emlingt@msu.edu

HULL PARK POLLINATOR GARDENS

Hull Park gardens, located near the TACS boathouse on Boardman Lake, with the cooperation of Traverse City staff, have been transformed into Smart Gardening Pollinator Friendly demonstration gardens by MSU Extension Master Gardener Volunteers. Master Gardeners meet on the **2nd and 4th Monday mornings** to plant, weed and maintain gardens. For questions, information about parking or opportunities to work in those gardens, call Barbara Backus: **231-714-5054**.

CLINCH PARK POLLINATOR GARDENS

Clinch Park Pollinator Friendly Demonstration Gardens, located on either side of the pedestrian underpass to Clinch Park, have been transformed into Smart Gardening Pollinator Friendly Demonstration Gardens by MSU Extension Master Gardener Volunteers. Master Gardeners meet on the **1st and 3rd Monday mornings** to plant, weed and maintain gardens. For questions, information about parking or opportunities to work in those gardens, call Barbara Backus: **231-714-5054**.

GRAND TRAVERSE CONSERVATION DISTRICT-BOARDMAN RIVER NATURE CENTER WORK BEES

9:00-11:00 a.m. every 2nd and 4th Wednesday- "*Native Plant Gardens at BRNC*". If the weather really heats up, the workbees might start before then. The work bees will go for the foreseeable growing season! **Volunteers are also needed to help maintain The Green Roof Project**, mainly watering and occasional weeding. Feel free to just show up and meet near the pavilion behind the Boardman River Nature Center: 1450 Cass. Rd, Traverse City. For further information please contact Shelly Stusick: sstusick@qtcd.org **231-299-0805**.

ANTRIM COUNTY-GLACIAL HILLS WORK BEES

"*Invasive Species Removal Workbees*". We will be meeting each **Tuesday morning at 9:00 a.m. throughout the year until November, generally for 2 hours**. The extreme ecological diversity found at the Glacial Hills Pathway and Natural Area speaks to its statewide significance. The property contains 12 distinct habitat types, including two hardwood forest types, three wetland habitats, and the shrub thicket and wet mesic forest types that support more than 20 species of trees, more than 100 species of flowers, and more than 100 species of birds, including great-horned

owls, eagles, and the threatened red-shoulder hawk. Protection of this parcel also safeguards water quality in the beloved Chain of Lakes watershed.

Volunteers are needed to help combat invasive species and everyone is welcome. Anyone interested can call Sue Haadsma-Svensson **317-442-6364** or email: srhs49615@gmail.com for details.

NORTHWEST MICHIGAN INVASIVE SPECIES NETWORK (ISN)-BABY'S BREATH WORKBEES-ELBERTA BEACH

Aug. 3. Since 2016, ISN has worked with the Village of Elberta and the Grand Traverse Regional Land Conservancy to manage invasive baby's breath on Elberta Beach. Many people don't realize that this dainty white flower often found in bouquets is actually an invasive species that grows here, in Northwest Michigan! Our dune ecosystems are incredibly unique - they're what's called a shifting sand dune ecosystem. This means that the sand is constantly moving, creating new landforms over the years. Many of our native dune species have co-evolved in this habitat, like the federally threatened pitcher's thistle, which requires the sand to scratch the seed coat before a seed can germinate.

Baby's breath can literally change ecosystems for the worse. These plants put down long taproots, which stabilize dunes, reducing the ability of some of our treasured native plants to reproduce. It also creates and spreads thousands of seeds (an estimated 13,000 seeds annually for a mature plant) in a tumbleweed like fashion! Once seed heads have formed, they break off at the tap root and roll down the dune, spreading seeds as it goes. Please see the website for all pertinent information and to register: www.habitatmatters.org/events

LONG LAKE ELEMENTARY SCHOOL

Please contact Joan Longton for more information: joanlongton@gmail.com

FRIENDS OF THE VILLAGE AT GT COMMONS

EMG Volunteers helped the Friends of the Village install an educational garden near the entrance to Trattoria Stella at the Grand Traverse Commons. Now, we need volunteers to work with residents to keep the gardens looking at their best! Contact Nate Walton for more information: waltonn2@msu.edu.

GRAND TRAVERSE COUNTY CIVIC CENTER

1213 W Civic Center Dr. Traverse City. The civic center has some garden beds near the main entrance to Howe Arena that they would like to develop into education/outreach and pollinator gardens. These are high traffic areas that would see tens of thousands of visitors a year. They are looking for help from EMGs to work with GT Parks Dept. staff and volunteers to renovate the garden spaces and create educational programming. 1213 W Civic Center Dr. Traverse City. Contact Nate Walton for more info: waltonn2@msu.edu

CINDY ASPER MEMORIAL BUTTERFLY GARDEN AT HULL PARK

1st and 3rd Wednesdays 9:00-11:00 a.m. The idea of the garden came from Nelson Asper, a TC man in memory of his wife, Cindy, who died from Leukemia and was an avid gardener. Nelson arranged the project with the city and donated it to the city and the public. His hope is that it will bring healing to all that visit there. For more information, please contact Nancy Larson: [231-932-2232](tel:231-932-2232) nk614@outlook.com

NATIONAL PARK SERVICE HISTORIC APPLE ORCHARDS

This is an ongoing EMG volunteer project. Time spent planting and pruning fruit trees counts as EMG Volunteer Hours. Interested parties should contact the park historical architect, Kimberly Mann ([231326-4771](tel:2313264771)) kimberly_mann@nps.gov

GROW BENZIE COMMUNITY GARDEN

The Community Garden at Grow Benzie was the first community project taken on by the organization before the purchase of the four-acre campus in 2008. In 2022, the space began to be maintained by the Benzie Central Interact Club. Interact Clubs are organizations whose student membership is dedicated to 'service above self'. Students enrolled in these programs are high academic achievers who enjoy opportunities to get out of the classroom and get their hands dirty helping others. Grow Benzie is looking for assistance from EMG volunteers who would be interested in functioning as Assistant Managers in the Community Garden space and provide horticulture instruction for the Interact groups. For more information, contact: Gaia Pampu gaia@growbenzie.org
Grow Benzie is always looking for volunteers for events and to take care of the 4-acre campus. 5885 Frankfort Highway, Benzonia, MI.

Here is just a sampling of the local EMG Volunteer Activities. Full details and contact info can be found on Volunteer Central:

Leelanau County Government Center: Native Plant Landscape Gardens-Suttons Bay
Grand Traverse Conservation District-Boardman River Nature Center Native Plant Gardens
Green Roof Project-Boardman River Nature Center
Preserve Historic Sleeping Bear
Antrim County Glacial Hills
East Bay Township Community Food Garden
Village of Suttons Bay
Friends of the Village at GT Commons
Grow Benzie Community Garden
Old Towne Corners
Our Neighbors' Garden (ONG)
Hull Park Pollinator Gardens
Clinch Park Pollinator Gardens
Northwest Michigan ISN-Baby's Breath Work Bees

Long Lake Elementary
Cindy Asper Memorial Butterfly Garden at Hull Park
Traverse City East Middle School Garden
Northwest Education Services School Gardens (Westwoods Elementary, Courtade Elementary, Central Grade Elementary, Suttons Bay Public School, Leland Public School, Northport Public School)
Blue Fish Early Learning Center
Grand Traverse Area Children's Garden
Traverse Heights Elementary-Community Garden
Become a Garden Mentor
Grand Traverse County Civics Center
The Downtown Traverse City Pollinators Planters Committee
Citizen Science in Downtown Traverse City
La Franier Loops - Greenspace Project
Grand Traverse Pavilions - Courtyards
Smart Gardening Outreach
Lilacs on Mackinaw Island
National Park Service-Sleeping Bear Dunes National Lakeshore-Historic Apple Orchards
Rejuvenation of The Shielding Tree Cultivated Nature Garden

BITS AND PIECES

MICHIGAN STATE UNIVERSITY EXTENSION-NEWSLETTERS

There are many wonderful newsletters available on many topics, including Pollinators and Pollination, Gardening in Michigan, and Water Quality. Some of the recent articles are: "*Drive by Botany: Marsh Marigold, Autumn Olive, Crown Vetch and Common Milkweed*", and "*Equip Yourself for Dry Weather*". Please see: www.canr.msu.edu to view the list of newsletters and sign up.

NORTHWEST MICHIGAN ISN-NWMI INVASIVE SPECIES NETWORK

The website has a wealth of information. Some of the topics include a full list of ornamental invasive species for NW Michigan, Go Beyond Beauty information and online resources, and ISN's tool library. Please see www.habitatmatters.org There is also a great article about the relationship of Japanese Barberry and black-legged ticks at www.bioone.org Other great websites regarding invasive plants are **Midwest Invasive Plant Network (MIPN)** www.mipn.org and **Midwest Invasive Species Network (MISIN)** <https://www.misin.msu.edu/>

MICHIGAN INVASIVE SPECIES PROGRAM

The **NotMISpecies** webinars series has many interesting programs. For more information, please see https://www.michigan.gov/egle/outreach/not-mi-species-webinar-series?utm_campaign=webinar+spring2023&utm_medium=pr&utm_source=govdelivery

THE LEELANAU CONSERVANCY WILDFLOWER RESCUE SITES WANTED

Help save the native plants and flowers of Leelanau by contacting the Wildflower Rescuers before you clear a wooded lot for construction, a new drive or road, or an addition to structures. We provide a team to dig, pot and place plants for sale at the annual sale to benefit Leelanau Conservancy. Email Volunteer Manager, Lindy Kellogg: lkellogg@leelanauconservancy.org

CONTINUING EDUCATION AND WEBINARS

MGANM, BGS and other events may offer educational and volunteer credits. For any questions, please contact Nate at **231-256-9888** or waltonn2@msu.edu

POLLINATOR CHAMPION ONLINE TRAINING!

Become a champion for pollinators. Pollinator Champions is a free, self-paced online course offered by Michigan State University. The course is packed full of videos, articles, and fun activities to guide you through the amazing world of pollinators and pollination. For more information and to register:

<https://pollinators.msu.edu/programs/pollinator-champions/>

EXTENSION MASTER GARDENER SMART GARDENING VOLUNTEER (EMGSGV)

To become a Smart Gardening Volunteer, all you need to do is complete the online training using the Desire to Learn system (D2L). Once you enter the D2L class you will find an introduction video as well as all the smart gardening material that may be available at an outreach event. There are also optional enrichment materials there where you can earn additional badges to go along with your EMGSGV certificate. All the material is in one convenient place where you can refer back to it at any time. As you work through the class, you will check off the work you have completed. You can work a little at a time and check off items in D2L as you go. Time spent doing this training in D2L or viewing the optional enrichment material can be counted as education hours and entered into volunteer central for your master gardener education hours requirement.

Link to create a guest account and sign up for the D2L EMGSGV course:

<https://docs.google.com/document/d/1SGRQdANUZ378HrF747eE5V6VjurvP1zbrVZvl4IiQyq/edit?usp=sharing>

THERE ARE MANY WONDERFUL WEBINARS AVAILABLE from MMGA, Wild Ones, Monarch Joint Venture, Xerces Society, Ohio State University, Smithsonian Gardens, Wildflower Association of Michigan, Pollinator Partnership, and many others. Please see their websites and Facebook pages for more information.

ARCHIVED WEBINARS:

Language of Trees

Can We Live with Gypsy Moths and Not Go Nuts?

Improving Success in Container Grown Woody Plants
Butterflies and Moths in Michigan
Totally Tomatoes
Season Extension Techniques for Growing Food
Climate change
Volunteer Selection Process (VPS)
Spotted Lanternfly
The Latest Buzz on Pollinators
Boxwood Blight
Wearisome Weeds
Sustainable Lawns
The Fascinating World of Ants, with Dr. Erwin "Duke" Elsner
Practical Emerald Ash Borer Management
Dealing with Drought: Helping Landscape Plants Cope with Water Stress
Become a Pollinator Champion 4 units with 6 hours C.E. credit
Squash Bee Pollinators and EMG Citizen Science Project
Pesticides, People and Pollinators
Invasive Plants and Being a Thoughtful Gardener
2017 MG College: Climate Change & Effects on Insect Pests
2017 MG College: Plants, Passion & Perseverance
Spotted Wing Drosophila
Oak Wilt Disease
Smart Gardening Videos
State of Monarchs
Uninvited Garden Guests: What's Eating Your Plants
Hidden World of Soils
Quit Stressing Me Out: Abiotic Stressors of Woody Plants
Lead in City Water: New Challenge for Gardeners
All Bugs Good & Bad: Help Pollinators with Pesticides
All Bugs Good & Bad: Don't Let the Insects Eat Your Vegetables
All Bugs Good & Bad: Alien Invasions, Zombies Under Foot & Billions of Decapitated
Fire Ants
Gardening in Urban Soils
IPM for Tomato Early and Late Blight
Cucurbit Downy Mildew
Insect Pests of Landscape Trees and Shrubs and IPM Strategies
Protecting the Power of Pollinators
Conifer Diseases in the Landscape
Brown Marmorated Stink Bug
The Buzz about Pollinators
Insect Pests in the Landscape
Growing Strawberries for the Home Garden Using IPM
Growing Raspberries and Blackberries Using IPM
Growing Conifers for Homeowners Using IPM

Growing Apples for Homeowners Using IPM
Growing Squash, Cucumbers & Pumpkins for Homeowners Using IPM
All Bugs Good & Bad: Pesticide Strategy-The Good, Bad & Ugly
All Bugs Good & Bad: Wildlife in the Backyard-A Double-Edged Sword
Managing Invasive Species in Landscapes
Mitigating Pollinator Decline in Landscapes

WEBSITES

MSUE Newsletter Signup <http://msue.anr.msu.edu> (a great selection of newsletters)
Michigan Volunteer Central (VC) <http://msu.samaritan.com>
Extension Campus (webinars) <https://campus.extension.org>
Gardening in Michigan <http://migarden.msu.edu>
MG Information <http://mg.msu.edu>
Master Gardener Association of NW Michigan www.mganm.org
Michigan Master Gardener Association <http://michiganmastergardeners.org>
Michigan IPM <http://ipm.msu.edu>
MSU Horticulture Department & Gardens <http://hrt.msu.edu>
Northwest Michigan Horticulture Research Center www.canr.msu.edu/nwmihort/
MSU 4-H Children's Gardens Family Programs www.canr.msu.edu/hrt/our_gardens/
Native Plants <http://nativeplants.msu.edu>
NW Michigan Food & Farming Network www.foodandfarmingnetwork.org
Bumblebee Watch with Xerces Society www.xerces.org
Xerces Society www.xerces.org
Midwest Invasive Plant Network www.mipn.org
Northwest Michigan Invasive Species Network www.habitatmatters.org
Wild Ones www.wildones.org
Jr. Master Gardener-Texas A&M University www.jmgkids.us
Missouri Botanical Gardens www.missouribotanicalgarden.org A great plant resource
North Central Regional Water Network www.northcentralwater.org
Monarch Watch www.monarchwatch.org
Monarch Joint Venture www.monarchjointventure.org
Ohio State University www.u.osu.edu
Grand Traverse Conservation District www.gtcd.org
Pollinator Partnership www.pollinator.org
Boardman River Nature Center www.natureiscalling.org
Plant it Wild www.plantitwild.net
Botanic Gardens at Historic Barns Park www.thebotanicgarden.org
Leelanau Conservation District www.leelanaucd.org
Benzie Conservation District www.benziecd.org
Grow Benzie www.growbenzie.org
Grand Traverse Regional Land Conservancy www.gtrlc.org
Leelanau Conservancy www.leelanauconservancy.org
Friendly Garden Club www.thefriendlygardenclub.org

Sakura Bonsai of Northern Michigan Please check their Facebook page
Saving Birds Thru Habitat www.savingbirds.org
Smithsonian Gardens www.gardens.si.edu