

# Osceola-Lake & Mecosta Conservation Districts

Spring/Fall Seedling Catalog

"Managing Our Natural Resources"



### Being a Responsible Steward By Rick A. Lucas, CD Forester

February 2017

One of the greater privileges we have, is the opportunity to become a private landowner. Whether we live on our piece of land, make a living from it, or use it to suit our lifestyle, we

become responsible for the preservation and enhancement of that land and wise use of its natural resources. We become the steward of that property and are responsible for protecting the soil, water, air, plants and wildlife that come with it or leave from it. You become a responsible steward when you leave your property healthier than when you found it.

With that in mind, there are numerous programs available to aid landowners. One such program is the Michigan Agriculture Environmental Assurance Program (MAEAP) Forest, Wetlands and Habitat\*A\*Syst (FWH\*A\*Syst) tool. This program will assist participants in developing and implementing a management plan that prevents contamination of groundwater and surface water resources and maintains your forest, wetland or habitat. Verified participants can enjoy the peace of mind that comes from knowing that their forest management system is sustainable. We're excited about the opportunities this program presents.

The Qualified Forest Program (QFP) continues to gain momentum throughout the state. Eligible QFP participants receive a significant tax break for active management of their forest resource. The QFP is proving to be a great fit for many forest owners in our part of the state. Be sure to check it out!

The list of insect and disease pests that pose serious threats to our forest resource continues to grow. All resource users need to be mindful of oak wilt concerns and the critical "Do Not Prune" period of April 15<sup>th</sup>-July 15<sup>th</sup>. The Eyes on the Forest Program will continue to monitor pest activity critical to the health of hemlock, black walnut, sugar maple and many other hardwood species. Be on the lookout for anything usual, (i.e. missing or discolored foliage, growths, insects, etc.), in our forest resource. When spotted; collect samples, take pictures and note locations. Pass the information along to our office.

The North Country Cooperative Invasive Species Management Area (NCCISMA) continues to lead the local effort with invasive plant species that wreak havoc with all of our natural resources. Consider joining the group in learning more about what you can do!

In addition to all of the above, numerous USDA Farm Bill programs can be utilized in conjunction with these programs to complement your stewardship efforts. 2017 is packed with opportunity. Give us a call to discuss management options for your property!

2017 Seedling List & Order Form Inside!



# Osceola-Lake & Mecosta Conservation Districts

"Managing Our Natural Resources"

## Spring/Fall 2017 Seedling Catalog

### Important Ordering and Pickup Information (Please Read Carefully)

1. Complete the "2017 Spring Tree Order Form". Send order form along with deposit to the District in which your property is located. All orders under \$50 must be paid in full at time of ordering. All other orders require a minimum \$50 deposit. Orders will not be placed without receipt of a deposit. Balance due at time of pick-up. Orders may be placed by mail, phone, internet or fax and can be paid by check or credit card. Visa, MasterCard and Discover are accepted.

2. If your property is located in Osceola County or the East Half of Lake County, mail your order form with payment to:

Osceola-Lake Conservation District

138 W. Upton, Suite #2 Reed City, MI 49677

Phone orders: (231) 832-2950 ext. 5

Fax orders: 855-790-7472

If your property is located in **Mecosta County**, mail order form with payment to:

Mecosta Conservation District

18260 Northland Drive

Big Rapids, MI 49307

Phone orders: (231) 796-0909 ext. 3

Fax orders: 855-693-2483

- 3. Spring ordering deadline is Wednesday, April 5, 2017, 3:00 p.m. Orders received after this date will be filled based on availability.
- 4. Quantities are limited and orders will be filled on a first-come first-serve basis.
- 5. We do not guarantee survival. Our liability ceases when seedlings are delivered to buyer or custom planter.
- 6. "It is unlawful for these trees, shrubs and other plants to be resold with the roots attached in accordance with the Insect Pest and Plant Disease Act, P.A. 189 of 1931, as amended."
- 7. Pick-up location will be at the Paris Park Fish Hatchery. **Orders are not shipped.** You will be notified by post card regarding dates and times for pick-up. Dates will also be posted on our website. **Tentative dates**: **April 21 & 22.**
- 8. If you are unable to pick-up your order on the scheduled dates you must make other arrangements. **We will not be responsible for lost or stolen trees that are not picked up on the scheduled pick-up dates.**
- 9. Let us know if a tree planter is picking up your order. The order must be paid in full prior to pick-up.
- 10. The District reserves the right to cancel orders and refund payments due to reasons beyond our control.
- 11. No refunds on spring orders cancelled after March 24th.
- 12. Save this catalog for our Fall Sale. (S) indicates availability in the spring and (F) indicates availability in the fall.

### **District Information**

### **Osceola-Lake Conservation District**

138 W. Upton, Suite #2 Reed City, MI 49677

Phone: (231) 832-2950 ext. 5

Fax: 855-790-7472

Email: rick.lucas@mi.nacdnet.net Web site: www.osceolalakecd.org

### **District Directors**

Shawn Gingrich, Chairman Mark Bontekoe, Vice-Chairman Dave Randall, Treasurer Patrick Kailing, Secretary L.D. Hesselink, Member

### **District Staff**

Charmaine Lucas, District Manager Rick Lucas, District Forester Karen Ickes, MAEAP Technician

### **USDA-Natural Resources Conservation Service**

Greg White, District Conservationist Kristen Kiluk, Soil Conservationist

### **Board Meetings**

Regular board meetings are held the second Thursday of the month at the USDA Service Center in Reed City. Call the office to confirm dates and times. Open to the public.

### **Mecosta Conservation District**

18260 Northland Drive Big Rapids, MI 49307

Phone: (231) 796-0909 ext. 3

Fax: 855-693-2483

Email: charmaine.lucas@mi.nacdnet.net

Web site: www.mecostacd.org

### **District Directors**

Don Henning, Chairman Clare Cook, Vice-Chairman Karen Motawi, Treasurer Tom Samuel, Secretary Bill Jernstadt, Member

### **District Staff**

Charmaine Lucas, District Manager Rick Lucas, District Forester Tony Wernette, MAEAP Technician

### **USDA-Natural Resources Conservation Service**

Jennifer Taylor, District Conservationist Frank Terrance, Soil Conservationist

### **Board Meetings**

Regular board meetings are held the second Wednesday of the month at the USDA Service Center in Big Rapids. Call the office to confirm dates and times. Open to the public.

2017 Household Hazardous Waste Collection Saturday, October 14, 2017 • 9:00 am to 12 noon Lake County - Wenger Pavilion, downtown Baldwin

Mecosta County - Fairgrounds, 540 West Ave., Big Rapids
Osceola County - Road Commission North Facility, 13353 20 Mile Rd., Tustin

#### Conifers (S)pring / (F)all White Pine Pinus strobus (S,F) Red Pine Pinus resinosa (S,F) Height: 40-80 feet, Full sun to light shade, Sandy soils Height: 70-100 feet, Full sun to shade, Range of soils Native tree. Also called Norway Pine. Needles dark green in Michigan's state tree. Soft flexible needles, five in a bundle color, two to a bundle and 4 to 6 inches long. Medium to fast with a 4 to 8 inch cone slightly curved. Fast growing, shade growing. Uses: Windbreaks, timber production & wildlife tolerant. Uses: Windbreaks, timber production, erosion cover. control, and wildlife cover. Quantity: <u>100</u> <u>250</u> **500** Quantity: <u>100</u> <u>25</u> 50 <u> 250</u> <u>500</u> \$94 \$20 \$26 \$55 \$36 \$55 \$94 Size (6-12") \$36 Size (6-12") \$20 \$26 Jack Pine Pinus banksiana (S,F) White Spruce Picea glauca (S,F) Height: 40-60 feet, Full sun, Sandy to moist soils Height: 20-50 feet, Full sun, Very sandy soils Very fast growing. Jack Pine often grows where no other Native tree. Needles have a whitish cast, giving this tree its trees will. Needles are stout, flat 1"-1 1/2" long, dark green in common name. Slower growing. Retains lower branches. bundles of two. Frequently used for Christmas trees and pulpwood. Uses: Windbreaks, timber production and wildlife cover. Uses: Windbreaks, ornamental and wildlife cover. Quantity: Quantity: 25 50 100 250 **500** 25 50 100 250 500 Size (12-18") \$28 Size (6-12") \$20 \$36 \$94 \$20 \$44 \$60 \$98 \$26 \$55 Norway Spruce Picea abies (S,F) Blue Spruce Picea pungens (S,F) Height: 50-70 feet, Moderate shade tolerance, Rich moist Height: 40-60 feet, Full sun, Sandy to moist soils The most tolerant spruce for dry sites. Slow growing, long-lived non-native tree. Cone shaped with beautiful The fastest growing and tallest non-native spruce. Mature trees have drooping branches. Uses: Windbreaks, timber silver-blue needles. production, wildlife cover and ornamental. Uses: Ornamental, wildlife cover and Christmas trees. 100 **500** Quantity: 25 Quantity: <u> 25</u> 50 <u>250</u> 100 250 <u>500</u> 50 Size (6-12") \$20 \$28 \$44 \$60 \$98 Size (6-12") \$20 \$28 \$44 \$60 \$98 Tamarack Larix laricina (S) Black Spruce Picea mariana (S) Height: 40-70 feet, Full sun, Moist soils Height: 30-50 feet, Moderately shade tolerant, Very slow Member of the pine family. Usually found in wetlands but growing Characteristic of cold, highly acid, sphagnum bogs, actually is a very rapid grower on upland sites. Turns bright poorly drained and undrained swamps. Uses: Wildlife cover. golden yellow in the fall before shedding its needles. Shade-Quantity: <u>25</u> <u>50</u> intolerant. Used for its forest product values. Size (18-24") \$16 \$28 Quantity: <u>25</u> 50 Eastern Redcedar Juniperus virginiana (S) Size (18-24") \$30 \$58 Height: 40-50 feet, Prefers full sun, tolerates drought and Balsam Fir Abies balsamea (S) poor soils. Native evergreen. Excellent choice for wildlife food Height: 45-75 feet, Very hardy, Shade tolerant and cover. The waxy, blue berries ripen in autumn and are Prefers moist acidic soils. Provides good wildlife cover. favored by many birds. Not generally browsed by deer. Quantity: <u>25</u> <u>50</u> Quantity: <u> 25</u> 50 Size (6-12") \$30 \$58 \$48 Size (12-18") \$25 Northern White Cedar Thuja occidentalis (S)

Evergreen which grows in cold, poorly drained swamps with moving water. Shade tolerant. Uses: Hedges, windscreens

Size (6-12") Quantity: 25

**Price: \$30** 

### **Deciduous (Spring only)**

Red Oak Quercus rubra (S) Height: 50-70 feet, Open to partial shade, Sandy to moist soils Fastest growing of our native hardwoods. The wood is reddish brown. Sharply toothed 7-11 lobed leaves, turning red in autumn. Uses: Excellent for timber production and wildlife.

Quantity: <u>25</u> <u>50</u> **Seedlings (12-18")** \$30 \$58

Sugar Maple Acer saccharum (S) Height: 50-70 feet, Shade tolerant, Most soil types

This beautiful large shade tree has dark green foliage turning yellow to orange to fiery red in fall. The sap is used to make maple syrup. Slow to medium growing. Uses: Shade tree, lumber, and wildlife.

Quantity: <u>50</u> **Seedlings (12-18")** \$28 \$54

White Oak Quercus alba (S) Height: 50-70 feet, Open to partial shade, Sandy to moist soils Large majestic native tree with wide spreading branches, and leaves of bluegreen turning to many colors in fall. Slow to medium growth rate. Provides sweet acorns that are loved by wildlife. Uses: Timber production and wildlife.

**Quantity:** Seedlings (8-14")

Red Maple Acer rubrum (S) Height: 40-60 feet, Full sun, Most soil types

This native tree is medium to fast growing. It has small red flowers in early spring and brilliant red fall color. Very drought tolerant.

Uses: Shade tree, wildlife, and ornamental.

Quantity: <u>50</u> \$26 \$50 **Seedlings (12-18")** 

Black Walnut Juglans nigra (S) Height: 50-75 feet, Full sun, Moist soils Queen of American cabinet woods. An important food source for wildlife. Fruit matures in Autumn with nutmeat sweet and edible. Growth is moderate to slow.

Uses: Very valuable timber and wildlife tree.

Quantity: Seedlings (12-24") \$30

Hybrid Poplar Populus canadensis (S) Height: 30-40 feet, Full sun, Most soil types

Extremely hardy, vigorous tree with rapid growth, that has silvery green leaves. Weed control is very important the first 2-3 years. Uses: Windbreaks, firewood, pulpwood, and wildlife.

Quantity: \$25 Seedlings (2'-3')

Quaking Aspen Populus tremuloides (S) Height: 40-72 feet, Full sun, Most soil types

Fast growing. Very shade tolerant. Significant wildlife and forest product uses.

Quantity: **Seedlings (12-24")** \$28 Black Cherry Prunus serotina (S)

Height: 60-80 feet. Becomes shade tolerant as it grows older, Prefers sandy to loamy, well-drained soils Fruit valuable to wildlife; wood valuable timber resource

Quantity: \$28 **Seedlings (12-24")** 



**NOTE:** The bee icon indicates a pollinator friendly species.



\$

# Wildlife Shrubs (S)pring / (F)all

Red-Osier Dogwood Cornus stolonifera (S,F)
Height: 5-8 feet, Full sun to shade, Moist to well drained

This multi-stemmed, spreading shrub has dark green foliage turning purple in the fall. Small white flowers in June produce white berries in fall.

<u>Quantity:</u> <u>25</u> <u>50</u> <u>100</u> <u>250</u> Size (12-24") \$28 \$38 \$56 \$78

<u>Common Elderberry</u> Sambucus canadensis **(S)** *Height: 8-12 feet, Full to partial sun, Moist soils*A stout, strong-growing shrub with white flowers (July), followed by purple-black fruit. Readily used by wildlife.

**Quantity:** 25 50 Seedlings (12-24") \$24 \$40

<u>Serviceberry</u> Amelanchier canadensis (S,F)

Height: 20-25 feet, Full sun to moderate shade, Well

drained soils Masses of white flowers in very early spring.

Excellent yellow-orange to red-purple fall color. Edible blueblack fruit that ripens in mid summer and is eaten by birds.

<u>Quantity:</u> <u>25</u> <u>50</u> Seedlings (12-18") \$28 \$54

American Hazelnut Corylus americana (S)

Height: 6-8 feet, Prefers full sunlight and grows best in moist to dry soils

The nut it produces is a very good source of food for wildlife.

<u>Quantity:</u> <u>25</u> <u>50</u> Seedlings (12-18") \$30 \$52

Eastern Redbud Cercis canadensis (S)

Height: Up to 30 feet, Many soil types but prefers moist, well-drained loams

Small native tree found in the forest understory. Good choice for brightening up your spring landscape.

<u>Quantity:</u> <u>25</u> Seedlings (12-18") \$28

<u>Ninebark</u> Physocarpus opulifolius (S)

Height: 8 feet, Full sun to partial shade, Moist soils

Native wetland edge species. Pinkish to off-white flowers give way to small nutlet containing seed heads by early autumn.

Recommended for border and screens.

<u>Quantity:</u> <u>25</u> <u>50</u> Seedlings (6-12") \$18 \$34

Highbush Cranberry Viburnum trilobum (S)

Height: 10 feet, Moderately shade tolerant, Moist soils Seen along streams, in open or lightly shaded swamps and wet grounds. Produces clusters of white flowers and scarlet fruits, which birds eat in late winter. Excellent wildlife plant.

<u>Quantity:</u> <u>25</u> <u>50</u> Seedlings (12-18") \$24 \$34 Gray Dogwood Cornus racemosa (S,F)

Height: 6-8 feet, Sun to shade, Wet to well drained soils Multi-stemmed shrub with grayish-green foliage becoming reddish in autumn. Flowers in May-June producing red berries July through September.

**Quantity:** 25 50 100 250 Size (12-18") \$38 \$48 \$60 \$94

Silky Dogwood Cornus amomum (S,F)

Height: 6-10 feet, Sun to shade, Moist to well drained soils Dense, multi-stemmed shrub. Blue colored berries in September. Grows on sandy loam and clay uplands and wetlands.

 Quantity:
 25
 50
 100
 250

 Size (12-24")
 \$32
 \$42
 \$60
 \$82

Nannyberry Viburnum lentago (S,F)

Height: 15-20 feet, Sun or shade, Most soil types
This shrub has white flower clusters in June followed by
bluish-black berries ripening in the fall. Recommended for
wildlife plantings.

Winterberry / Michigan Holly llex verticillata (S)

Height: 6-12 feet, Moderately shade tolerant, tolerant of high water tables

Produces showy red fruit.

**Quantity:** 25 Seedlings (12-18") \$30

American Plum Prunus americana (S)

Height: 10-15 feet, Prefers full sun, Well-drained soils
This native plum provides good cover and food for wildlife on dry sites.

**Quantity:** 25 Seedlings (12-18") \$25

American Mt. Ash Sorbus Americana (S)

Height: 10-30 feet, Moderately shade tolerant

Tolerates highly acidic, purely organic soil. One of the most beautiful flowering trees of the northern forest.

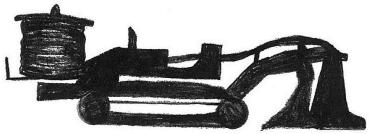
**Quantity:** 25 Seedlings (12-24") \$25

**Arrowwood** Viburnum dentatum (S)

Height: 8-10 feet, Prefers well-drained soils and can tolerate some shade. An upright growing shrub with fruit in late summer often found growing along woodland borders and road sides.

**Quantity:** 25 **Seedlings** (12-18") \$24

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# **Apple Trees (Spring only)**

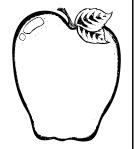
### **Apple Tree Wildlife Habitat Packets**

This is our most popular wildlife habitat enhancement packet! Apple tree packets will consist of five 2-year old trees, 3-4 feet in height, 1/2 to 5/8 inches in diameter, on mm118 root stock. These trees will grow to a height of 10-15 feet and are semi dwarf.

This year the packets will consist of one each of the following five varieties: Idared, Paulared, Honeycrisp, Jonastar and Twin Bee Gala. Additional information on each variety will be available at pick up.

**PLEASE NOTE:** Due to limited quantities, we ask that you limit your order to 4 bundles per customer. After the ordering deadline, if we still have a sizeable reserve, we will gladly accommodate larger orders.

Price: \$80.00 per bundle of 5





**Tree Planting Basics...** Site Preparation Weed control is important to improve the survival and growth of newly planted trees and shrubs. Research has shown that the leading cause of seedling mortality most years is due to lack of proper weed control. When weeds are present, tree seedlings cannot compete against the more successful grasses and broad-leafed weeds. New herbicides on the market today take much of the guesswork out of weed control. **Always follow the instructions on the label.** 

**Planting** Trees may be planted with a tree planting machine or by hand using a planting bar, shovel, or other tool. Plant trees in the middle of the prepared site area to ensure maximum distance from competing vegetation. Dig a hole wide enough to permit tree roots to spread out in a natural uncurled position. Roots can be pruned to 8-12", depending on the size of the trees to accommodate this. Firmly pack soil around roots to eliminate air pockets. Plant trees as soon as possible after pick-up. Plant one tree at a time, keeping roots of the trees yet to be planted covered so they do not dry out.

### **Spacing Guide**

Intended Use	Type of Trees	<u>Spacing</u>	<b>Quantity to Order</b>
Windbreaks	Pines/Spruces	7' x 10'	15 per 100 feet
Windbreaks	Shrubs	6' x 10'	17 per 100 feet
Christmas trees	All types	6' x 6'	1210 per acre
Reforestation/Erosion Control	Red Pine/Spruces/Firs	6' x 8'	908 per acre
Reforestation/Erosion Control	Hardwoods	10' x 10'	435 per acre
Apple Trees	All Types	20' x 20'	109 per acre

PHEASANTS

Mecosta / Osceola Chapter of Pheasants Forever

For Chapter information, banquet information, membership or to order seed, Please call: (231) 796-1844 Taking Seed Orders Now!

Call to receive a seed order form.

Must be a Pheasants Forever member to receive seed. Annual membership \$35

2017 Pheasants Forever Banquet Saturday, March 18, 2017 Eagles Hall, Big Rapids Save the Date! • Saturday, March 11, 2017

Annual Highlands Ag and Natural Resources Conference

At Baker College, 9600 E 13th St., Cadillac, MI 49601 Watch for updates on our website or call 231-832-2950 ext. 5 for more information.

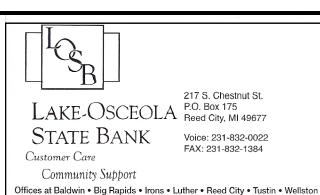


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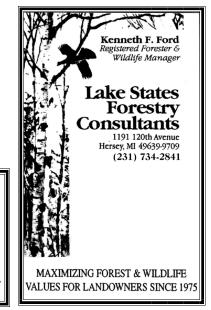
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McBain, MI 49657 Phone: 231-825-2233 Fax: 231-825-2107 Tony Furlich & Tony Hitch, Foresters





Mecosta and Osceola-Lake Conservation Districts Native Plant Sale Order Form Plant pick up date and time: Friday, June 2, 2017 ● 4:00 p.m. to 6:00 p.m. Location: Reed City Depot ● 200 North Chestnut, Reed City, MI Deadline for ordering: Monday, May 15, 2017

Wildflowers	Qty.	Price ea. (Quart)	Cost	Wildflowers	Qty.	Price ea. (Quart)	Cost
Bergamot		\$5.00		Western sunflower		\$5.00	
Black-eyed susan		\$5.00		White trillium *		\$5.50	
Blue vervain		\$5.00		Wild blue iris		\$5.00	
Boneset		\$5.00		Wild columbine		\$5.00	
Butterfly weed		\$5.00		Wild geranium *		\$5.50	
Cardinal flower		\$5.00		Wild petunia		\$5.00	
Cup plant		\$5.00		Woodland sunflower		\$5.00	
Foxglove beard-tongue		\$5.00		Grasses			
Golden Alexander		\$5.00		Big bluestem		\$5.00	
Great blue lobelia		\$5.00		Bottlebrush grass		\$5.00	
Hairy beard-tongue		\$5.00		Canada wild rye		\$5.00	
Hoary vervain		\$5.00		Indian grass		\$5.00	
Horsemint		\$5.00		June grass		\$5.00	
Jack in the pulpit *		\$5.50		Little bluestem		\$5.00	
Joe-pye weed		\$5.00		Side oats grama		\$5.00	
Lanceleaf coreopsis		\$5.00		Sweet grass		\$5.00	
Marsh blazingstar		\$5.00		Switch grass		\$5.00	
New England aster		\$5.00		18 Quart Flats (4-6 mix)			
Nodding wild onion		\$5.00		Pollinator Garden		\$75.00	
Northern blazingstar		\$5.00		Grass Garden		\$75.00	
Obedient plant		\$5.00		Rain Garden		\$75.00	
Pale purple coneflower		\$5.00		Shade Garden		\$75.00	
Prairie smoke		\$5.00		Single Species Flat (38)	plug	\$55.00	
Purple coneflower		\$5.00		Species name:			
Showy goldenrod		\$5.00		* Not available in 38 plug flat			
Sky blue aster		\$5.00		Subtotal of columns			
Spiderwort		\$5.00		6% sales tax			
Swamp milkweed		\$5.00		Tax Exempt Donation			
Thimbleweed		\$5.00		Total Enclosed			

ame	_Daytime phone		
ddress (include City, State, ZIP)			
mail address_ ard. Make check payable to your Conservation Dis apids, MI 49307. For Osceola-Lake CD mail to 13	Payment can be made by check or credit trict. For Mecosta CD mail to 18260 Northland Drive, Big W. Upton Ave., Ste. 2 Reed City, MI 49677.		
Payment by credit card: Visa/MasterCard/Discover #ExpExpExp Don't see the plant you are looking for? Contact us. We may be able to get it for you. For more information visit our website at www.mecostacd.org or osceolalakecd.org.			

Now taking pre-orders for our native plant sale.

With the order form on the left you can now order the specific plants you want.

Extra
plants will
be
available
on the day
of the plant
sale in a
limited
quantity.

For specific plant information call Osceola-Lake Conservation District 231-832-2950 x5

Mecosta Conservation District 231-796-0909x3

Or go to our Website (see address on order form).

### "What's Growing In My Garden?" - Don't Miss This Opportunity to Talk to the Experts!

Have you always wanted to know what that plant is that appears in your garden, flower bed, or landscape? Is it a flower or weed? Invasive or native? Medicinal, edible or toxic? Here's your opportunity find out. On Friday, June 2nd, from 4pm to 6pm, local experts, experienced in plant identification, will be at the Reed City Depot to identify those annoying or mystery plants that you've been wondering about. So don't pull them. Let them grow to make plant identification easier. Then bring them to the Reed City Depot on June 2nd, between 4pm and 6pm, to have our local experts assist in identification. If the mystery can't be solved on-the-spot, and further research is needed, they will gladly get back to you with an answer. Photos are an option.

Our plant experts include: a botanist with the US Forest Service, coordinator of the North Country Cooperative Invasive Species Management Area (CISMA), retired FSU botany professor, and Master Gardener/Master Naturalist. **Don't miss this opportunity!**We will also be having our annual native plant sale. See plant order form above.





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Store hours: M-F 9-7, Sat 9-5, Sunday 10-2

### **Books for Sale**

Wildflowers of Michigan: Field Guide by Stan Tekiela Price: \$16.95 - This 4" x 6" book is the perfect pocket size for taking on walks to use in identifying wildflowers along the way. Each of the approximately 200 varieties of Michigan wildflowers has a full page color photograph to aid in identification, and descriptions containing: family, height, flower, leaf, bloom time, origin, habitat and range, along with authors notes on each specific variety.

Birds of Michigan: Field Guide by Stan Tekiela Price: \$12.95 - At last! Your problems in identifying that bird out on your bird feeder is immediately made easier with this beautiful field guide which includes only the birds that occur in Michigan. A full page color photo and a full page description is included for each of the 112 bird species.

Trees of Michigan: Field Guide by Stan Tekiela Price: \$12.95 - This book will allow you to quickly identify 105 of the most common trees in Michigan-nearly all which are native to the state. This guide also includes non-native trees that have been naturalized in Michigan. This book makes no attempt to identify cultivated or nursery trees.

Mammals of Michigan: Field Guide by Stan Tekiela Price: \$14.95 - This unique field guide includes all 66 of Michigan's mammals, from mice to moose. Learn facts about size, habitat, range, young and more.

Butterflies of Michigan: Field Guide by Jaret C. Daniels Price: \$16.95 - Identify 147 species of Michigan butterflies. This field guide includes illustrations, full-color photos, and a Q & A section for things you've always wondered about butterflies.

Reptiles & Amphibians of MN, WI, MI: Field Guide by Stan Tekiela Price: \$14.95 - This is the standard for reptile and amphibian field guides. It contains all 68 species of turtles, snakes, lizards, salamanders, frogs and toads in Minnesota, Wisconsin and Michigan.

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The Muskegon, The Majesty and Tragedy of Michigan's Rarest River by Jeff Alexander - Learn about one of Michigan's most surprising and interesting rivers, and take a trip back into Michigan's environmental history and forward into an uncertain future. Alexander's research is impressive, his prose is informative and entertaining, and his message is clear: conservation of the Muskegon River Watershed is up to all of us. **Price: \$25.00** (hardcover)

# Other Conservation Products

Home & Garden Compost Bin Price: \$38.00 Strong and lightweight, Presto's compost bins turn yard and food waste into rich, fertile soil. The adjustable bins store, aerate and compost

up to 14 bushels of yard and kitchen waste. The 30" high freestanding one-piece unit is light weight, easily assembled without tools and it stands on any type surface.



### **Terra-Sorb Root Gel**

Terra-Sorb Fine Hygrogel aids in the treatment of bareroot seedlings to keep the roots moist during handling. Drying out of the root system is the leading cause of mortality. This product improves survival and growth of tree seedlings after planting. Terra-Sorb is a fine powder that you mix with water. One ounce will cover approximately 900+ seedlings.

Price: 1 oz. \$2.00 - 8 oz. \$8.00 - 1 lb. \$15.00

### 5 Ft. Max Grow Tube Tree Shelters

Protect seedlings from animals, wind damage and climate conditions. Includes pre-installed ties and netting to go over the top to protect young saplings. Life of 4-5 years. Tree stakes not included.

Price: \$5.00 each

#### Nutri-Pak Fertilizer Packets

Scientifically designed fertilizer packet formulated to continuously fertilize over a five year period. Each packet contains 16% Nitrogen, 8% Phosphoric Acid, and 8% Potash.

Caution: over fertilization can damage seedlings.

Price: \$1.00 each or 6 for \$5.00

#### Tree Planting Bars

Excellent tool used for planting seedlings in nonrocky soil that is easy to penetrate. The 3" x 11" blade is wedge-shaped in cross section. Each bar has a footstep, handle and weighs approx. 7 lbs. Price: \$25.00 or \$5/day rental

#### Tree Flags

Flags are used to mark where seedlings are planted. 4" x 4.5" florescent flag on a 30" wire stake. Price: \$0.20 each or 100 for \$15.00

### "Trees Planted" & "No Trespassing" Signs

Constructed with heavy grade aluminum, they will last for years to come. Each sign measures 7.5" x 11" and features the Michigan Conservation District logo. Black print on high visibility yellow or orange background.

Price: \$2.00 each

Thank you to all our Lifetime Sponsors, Advertisers, and those of you who purchase seedlings. We GREATLY appreciate your support!

### Big Rapids Field Office Welcomes New Soil Conservationist

Hello, I'm Frank Terrance, the new Soil Conservationist with the USDA Natural Resources Conservation Service. I am a recent graduate from Southern University and Agricultural & Mechanical College in Baton Rouge, Louisiana. I received a bachelor's degree in Urban Forestry with an emphasis in Natural Resources. My experience in natural resources includes: a research project on climate change and carbon emissions in wetlands, an internship with the US Forest Service in Atlanta, Georgia, and an arborist with the City of Upper Arlington in Ohio. I look forward to working with the agricultural producers and forest landowners in Mecosta County. If I can assist you with any of your conservation needs please stop in the USDA Service Center in Big Rapids or call me at 231-796-2659 Ext. 3.

### **Quality Deer Management Association**



**QDMA** 

### **Cadillac Area Branch**

Contact: Timothy Liponoga - President Ph. 231-878-9245 Email gamehuntrr@gmail.com Habitat Day - May 6, 2017

Annual Sportsman Dinner - Sept. 23, 2017

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Your support enables your Conservation District to continue to develop conservation programs that manage, protect and improve our natural resources. All you have to do is purchase a lifetime sponsorship. Besides being tax-deductible (please consult with your tax professional), your sponsorship fee includes the items listed below. **Join our team today!** 

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To receive your sponsorship package, write Lifetime Sponsorship on the order form under Species/Item (along with your T-shirt size(s) - see above), and write the sponsorship fee in the Cost column (do not include tax with this item). Pick up with your tree order or we can mail it to you.

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"Managing Our Natural Resources"



### Client Gateway: A New Tool for USDA-NRCS Customers



If you're an NRCS customer who banks or pays bills online, Conservation Client Gateway was made for you. Client Gateway is a new website that gives landowners the ability to request services from NRCS online as well as sign contracts, track payments and review documents.

Conservation Client Gateway is entirely voluntary, giving participants a choice between conducting business online or traveling to a USDA Service Center. Customers can log in 24 hours a day, 7 days a week.

To make sure your USDA record is complete enough to sign up, contact your local USDA Service Center in Big Rapids at 231-796-2659 or Reed City at 231-832-5341. For more information about Conservation Client Gateway, visit: www.nrcs.usda.gov/clientgateway.

#### Local Highland Agriculture and Natural Resource Conference to be held on March 11, 2017

Mark your calendars! Join us on Saturday, March 11<sup>th</sup> for the second annual Highland Agriculture and Natural Resources Conference at Baker College in Cadillac (9600 E 13th St., Cadillac, MI 49601), from 8:30 am to 3:00 pm.

A variety of one-hour, concurrent educational sessions will be held with topics including: *Agriculture for Families, Soil Health, Crops, Trending Ag Issues, and Natural Resources*. Agriculture and natural resources-related vendors and agencies will also be on hand.

The event is organized by the Wexford, Missaukee, and Osceola-Lake Conservation Districts along with the USDA-Natural Resources Conservation Service and Michigan State University Extension. *Early registration is planned to open soon.* For general questions, please contact Jerry Lindquist at lindquis@anr.msu.edu or 231-832-6139. In addition please check the Osceola-Lake Conservation District website or give the Reed City office a call at 231-832-5341 for event updates.