

OTSEGO CONSERVATION DISTRICT SEEDLING SALE FUNDRAISER

SPRING 2020 SEEDLING DESCRIPTION & PRICE LIST

Order early to ensure the species you want!
Orders are due by March 27th, 2020.

Friday & Saturday, May 1st & 2nd
8:30 a.m.- 5 p.m.

Seedling Sale will be held at the
Otsego Conservation District
Education Center
459 Livingston Blvd., Gaylord
(Alpine Center)

**Production of this booklet has been
made possible by these businesses and
individuals committed to conservation.**

Bronze Sponsors - Brand Land Surveying

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Alpine Title and Escrow
Feery CJDR of Gaylord
NuEnergy Operating, Inc.
Professional Forest Care

*Please patronize the businesses that support the
important work of the Otsego Conservation District.*

The best time to plant a tree was 50 years ago.
The next best time is NOW.

CONIFERS

Balsam Fir

Height: 30-80'

Fragrant, soft needles make this an excellent Christmas tree. A slow growing tree that is adaptable to a variety of sites. Seedlings should be protected on sites that are heavily populated by deer and wind.

Abies balsamea

Shade; moist to wet soils

Jack Pine

Height: 40-60'

Very fast growing and grows in extremely dry conditions. Excellent for wildlife cover, windbreaks, and for timber production even on the poorest of sites. Extremely cold and salt tolerant.

Pinus banksiana

Full sun; very sandy soils

Concolor Fir

Height: 40-70'

An important Christmas and ornamental tree because of its graceful form and blue-gray foliage. Must be shaped if grown for Christmas tree production. Well adapted to dry sites and soil and water stress.

Abies concolor

Full sun to shade; sandy to moist soils

Red Pine

Height: 65-100'

Also known as Norway pine. Fast growing pine on sandy soils. Valuable for timber, reforestation, windbreak and wildlife cover. Plantations are first thinned at 30 years. Sheds lower branches as it matures. Long lived.

Pinus resinosa

Full sun; sandy to gravelly soils

Black Hills Spruce

Height: 60-80'

Variety of white spruce from the Dakotas with fuller form. Used for Christmas trees, windbreaks and wildlife cover. Salt tolerant.

Picea glauca 'Densata'

Partial shade; sandy to moist soils

Eastern White Pine

Height: 70-100'

Michigan's State Tree. Best if planted under/near taller trees. This will reduce the chance of white pine weevil infestation. Fast-growing tree. Used for timber, Christmas trees, and wildlife habitat.

Pinus strobus

Partial shade; wide range of soils

White Spruce

Height: 50-80'

Native to Michigan. Slow growing, long lived species. Retains lower branches making it excellent for wildlife cover, windbreaks and visual screening. Limited timber value. Needles have a pungent odor when crushed. Salt tolerant.

Picea glauca

Partial shade; sandy to moist soils

Eastern Hemlock

Height: 70-100'

Slow growing, but very long lived (600+ years). Found growing naturally in our northern hardwood forests. Provides thermal cover for wildlife in the winter. Not available at this time.

Tsuga canadensis

Full sun to shade; moist to wet soils

Norway Spruce

Height: 50-80'

Moderately fast-growing. Graceful, pendulant branches with large cones (used as a model for cuckoo clock manufacturing). Used for windbreaks, wildlife habitat, and as an ornamental.

Picea abies

Full sun to shade; wide variety of soils

Tamarack

Height: 40-80' Full sun to partial shade; moist to well-drained soils

A deciduous conifer with delicate needles that turn bright golden in the fall prior to falling off. Not available at this time.

Larix laricina

Colorado Blue Spruce

Height: 30-60'

Drought resistant once established. Beautiful ornamental and Christmas tree. Excellent for windbreaks, soil stabilization, and wildlife cover. Slow growing. Avoid planting with Douglas Fir. Salt tolerant.

Picea pungens

Full sun to shade; sandy to moist soils

Northern White Cedar

Height: 30-50'

Grows best in soils with a pH of 7.0 or higher. Very slow growing. Primary species of northern swamp conifer forest. Used as food by deer and elk. Wood is rot resistant.

Thuja occidentalis

Full sun to shade; moist to wet fertile soils

HARDWOODS

American Chestnut

Height: 30-40'

Large, fast-growing, nut-producing tree threatened with extinction by a chestnut blight. Sweet nuts eaten by humans and many wildlife species. Excellent for firewood usage. Rot resistant wood.

Castanea dentata

Full sun; well-drained soils.

Red Maple

Height: 50-70'

Also referred to as "soft maple". Fast-growing tree. Wood used for pulp and low grade lumber. Bright red fall foliage.

Acer rubrum

Shade; wide range of soils

Black Walnut

Height: 60-90'

The nuts are excellent for wildlife and humans. Does not tolerate very wet or dry soils. Salt tolerant. Excellent timber.

Juglans nigra

Full sun; moist, fertile, well drained soils.

Sugar Maple

Height: 60-100'

Also referred to as "hard maple." Primary species of the northern hardwood forest. Used for quality lumber, veneer, and maple syrup production. Golden yellow foliage in autumn. Salt tolerant.

Acer saccharum

Shade; moist, fertile to sandy soils.

Carolina Hybrid Poplar

Height: 30-50'

Very fast growing, often 6'+ per year. Once established, used for windbreaks, erosion control, and pulpwood. Excellent food source for wildlife.

Populus X canadensis

Full sun; wide range of soils.

Red Oak

Height: 65-90'

Large, versatile tree. Fastest growing of the oaks. Wood is valued for timber and firewood. Produces abundant nuts eaten in late winter by deer, small mammals and turkeys. First seed crop at age 25. Acorns germinate in the spring.

Quercus rubra

Full to partial sun; wide range of soils.

White Birch

Height: 40-65'

Commonly known as paper or canoe birch. Fast-growing, short-lived tree with creamy-white bark. Beautiful yellow autumn foliage. Salt tolerant.

Betula papyrifera

Full sun; well to poorly-drained soils.

White Oak

Height: 70-90'

Produces sweet nuts eaten in the fall by deer, small mammals and turkeys. Produces valuable lumber and excellent firewood. Oak Wilt resistant. Otsego County is lacking in this tree. First seed crop produced at age 20. Acorns germinate in the fall.

Quercus alba

Full to partial sun; wide range of soils.

WILDLIFE SHRUBS

American Plum

Height: 10-20'

Small, relatively slow-growing tree. Attractive ornamental because of its showy white flowers; very fragrant. Plums are highly prized by wildlife and people. Creates thickets valuable for wildlife species.

Prunus americana

Full sun; wide, moist soils

Lilac-Common

Height: 12-15'

Multiple-stemmed, root-sprouting shrub. Forms thickets for wildlife cover. Drought resistant. Showy, lavender color flowers with a strong fragrance.

Syringa vulgaris

Full sun; wide variety of soils

Arrowwood

Height: 6-12'

Numerous arching stems form dense, rounded crowns making it desirable for wildlife. Fruit is often eaten by birds and other small mammals. Salt tolerant.

Viburnum rafinesquianum

Partial shade; sandy, dry soils

Mountain Ash

Height: 12-25'

Slow-growing with beautiful white flowers. Orange-red fruit persistent in winter and eaten by many songbirds.

Partial shade to shade; wide range of soils

Sorbus americana

Butterfly Bush

Height: 5-10'

Fast-growing, upright shrub. Easy to maintain. Provides an excellent source of nectar for butterflies and hummingbirds.

Buddleia spp

Full sun; well drained soils

Nannyberry

Height: 13-23'

A moderately fast-growing shrub with beautiful flowers (May/June). Abundant fruit eaten by birds and small mammals.

Partial shade; moist to wet soils.

Viburnum lentago

Black Chokeberry

Height: 2-7'

This shrub's fruit ripens to glossy black. Well liked by birds, bear, and deer. If planted in direct sunlight, autumn colors become lighter and fruit production increased.

Aronia melanocarpa

Full to partial shade; dry to moist soils

Red-Osier Dogwood

Height: 6'

Grows on low, wet ground and stream banks. Fast growing and spreads. Beautiful deep red bark, good food and cover for wildlife such as deer, bear, birds, and small mammals.

Full to partial sun; moist to wet soils.

Cornus stolonifera

Highbush Cranberry

Height: 3-13'

Leaves turn a brilliant scarlet in autumn. Fruit persistent through winter making it a great food source for wildlife.

Viburnum trilobum

Full sun; moist to wet soils

Sargent Crabapple

Height: 6-10'

A dwarf broad growing tree with fragrant white flowers that are followed by small bright red fruit. Excellent for windbreaks. Abundant food and cover used by birds and mammals. Green summer foliage.

Full sun; very sandy soils.

Malus sargentii

Gray Dogwood

Height: 3-12'

Reddish twigs turning gray with age. This shrub adapts well to drier sites and is resistant to most diseases and pests. Abundant food for wildlife.

Cornus racemosa

Full sun to shade; various soil types

Serviceberry

Height: 10-20'

This small tree is one of the first to flower in the spring. Its fruit is widely used by wildlife and is also edible by humans. Grows as tall as 20 ft. on the best soils.

Partial shade; moist, fertile to dry soils.

Amelanchier laevis

Hazelnut

Height: 6-12'

Multiple-stemmed bush. Produces abundant nuts within 3-4 years after planting. Eaten by grouse, turkey, deer, and small mammals.

Corylus americana

Partial to full shade; dry to moist soils

Winterberry Holly

Height: 5-10'

Densely branched shrub with waxy foliage and bright red berries make it a desirable native landscape plant. Wildlife such as bear and deer utilize this plant for food as well as cover.

Ilex verticillata

Full sun; moist soils

ADDITIONAL INFORMATION

Bareroot vs. Containerized Seedlings

Bareroot seedlings have no soil around the roots. They are larger than the containerized stock and require more care in handling and planting.

Containerized seedlings are grown in containers with a plug of soil surrounding the roots. They are suitable for very sandy sites where weed competition is minimal. Survival rates are high, as the containerized seedlings handle poor planting techniques, rough sites, and dry weather conditions better.

Cost of Bareroot vs. Container Seedlings: There is a cost difference between bareroot seedlings and container seedlings. Bareroot pine seedlings typically cost between 1/2 and 2/3 the price of container seedlings. Labor costs to plant bareroot seedlings can also be less than containerized seedlings. Some container costs can be offset if landowners plant fewer container seedlings per acre. Additionally, a greater percentage can be expected to survive



Containerized Seedling

Seedling Age Classification

1-0 = One year old from seed

2-0 = Two years old from seed

2-1 = Two years old from seed, one year in transplant bed

2-2 = Two years old from seed, two years in transplant bed

R.S. = Root Stock

Seedling Spacing

Reforestation, Timber	7'x8'	800 Trees per acre
Reforestation, Wildlife	10'x10'	435 Trees per acre
Christmas Trees	6'x6'	1210 Trees per acre
Shrubs, Wildlife	8'x10'	45 Clump
Windbreak	6'x6'x10'	

**WEED CONTROL IS ESSENTIAL FOR
SEEDLING SURVIVAL**

2020 PRICE LIST

<u>CONIFERS-BAREROOT</u>		(Please note: ✓ denotes this species is native to Michigan)						Number of Seedlings	
	SIZE	5	10	25	50	100	250	500	1000
✓ Jack Pine	4-9"	\$8	\$12	\$22	\$35	\$52	\$108	\$198	\$345
✓ Red Pine	4-9"	8	12	22	35	52	108	198	345
✓ Eastern White Pine	4-9"	8	12	22	35	52	108	198	345
✓ Eastern White Pine 2-1	12-18"	17	27	48	77	116	241	443	770
✓ Balsam Fir	5-10"	12	19	33	53	80	166	305	530
Concolor Fir	10-15"	17	27	48	77	116	241	443	770
Black Hills Spruce	8-14"	25	39	70	112	168	350	644	1120
Colorado Blue Spruce	9-15"	9	14	25	40	60	125	230	400
Colorado Blue Spruce 2-1	12-15"	15	23	42	67	101	209	385	670
Norway Spruce	5-10"	8	12	22	35	52	108	198	345
Norway Spruce 2-2	12-18"	17	26	47	75	113	234	431	750
✓ White Spruce	5-10"	8	12	22	35	52	108	198	345
✓ White Spruce 2-2	12-18"	17	26	47	75	113	234	431	750
✓ Northern White Cedar	6-12"	12	19	34	55	83	172	316	550

CONIFERS-CONTAINERIZED

	SIZE	25	50	100	250	500	1000
✓ Red Pine 4A	6+	\$28	\$45	\$68	\$141	\$259	\$450
✓ White Pine 4A	6-8"	28	45	68	141	259	450

HARDWOODS

	SIZE	5	10	25	50	100	250	500	1000
✓ American Chestnut	16-24"	\$29	\$48	\$108	\$192	\$288	na	na	na
✓ Black Walnut	12-24"	7	27	48	77	116	241	443	770
Hybrid Poplar	12-24"	16	25	44	70	105	219	403	700
✓ Red Maple	12-24"	17	27	48	77	116	na	na	na
✓ Red Oak	12-24"	17	27	48	77	116	241	443	770
✓ Sugar Maple	6-12"	19	29	52	83	125	259	477	830
✓ White Birch	24-36"	21	32	58	92	138	288	529	920
✓ White Oak	6-12"	14	21	38	61	92	191	351	610

WILDLIFE SHRUBS

	SIZE	5	10	25	50	100	250	500	1000
✓ American Plum	12-18"	\$18	\$29	\$51	\$82	\$123	\$256	\$472	\$820
✓ Arrowwood	6-12"	16	24	43	69	104	216	397	690
✓ Black Chokeberry	12-18"	18	27	49	78	117	244	449	780
Butterfly Bush	12-24"	16	25	45	72	108	225	414	720
✓ Gray Dogwood	12-24"	15	23	41	66	99	206	380	660
✓ Hazelnut	6-12"	13	21	37	59	89	184	339	590
✓ Highbush Cranberry	12-18"	17	27	58	96	154	289	418	770
Lilac (Common)	10-15"	17	27	48	77	116	241	443	770
✓ Mt. Ash	24-36"	24	37	66	105	158	328	604	na
✓ Nannyberry	12-18"	21	33	59	94	141	294	541	940
✓ Red-Osier Dogwood	12-24"	11	17	30	48	72	150	276	480
Sargent Crabapple	6-12"	17	27	48	76	114	238	437	760
✓ Serviceberry	6-12"	15	24	43	68	102	213	391	680
✓ Winterberry Holly	18-24"	28	43	78	124	186	388	na	na

Please call the district office at 989-732-4021 for information on species selection, site preparation, and purchasing species or quantities not listed here. Tabitha O'Dell, District Forester is also available to answer forest and wildlife questions and can provide information on local commercial tree planters, consulting foresters, loggers/producers and cost-share programs.

APPLES

5-6' Trees

Honeycrisp, Cortland

1 for \$30 Select a variety when ordering a single tree.

4 for \$115 2 of each variety

10 for \$270 5 of each variety

For pollination success we suggest that all varieties be cross pollinated with another variety.

Honeycrisp introduced in 1991. These 3" beauties are quickly becoming a new American favorite. The flesh is cream-colored and exceptionally crisp and juicy with a sub-acid flavor. Honeycrisp has an excellent storage life. Bred specifically for winter hardiness. Ripens in early September. Zones 3-6, Rootstock EMLA 111

Cortland is a McIntosh x Ben Davis cross that inherited the good qualities of both parents. Fruit is beautiful red, very large, with pure white flesh. Crop heavier than most varieties and considered an annual bearer. Picked seven to ten days after McIntosh. Zone 3-6, Rootstock EMLA 111

CRABAPPLES

Manchurian

5-6' 1 for \$28

Manchurian has white, medium-size flowers with very heavy pollen. A flowering crab used to pollinate other apple varieties. Blooms early to midseason. Good bee activity, Tree is vigorous.

CHERRIES

Black Gold Sweet Cherry

Black Gold cherries are self-fertile and tolerant to frost. One of the most dependable for colder areas. Yields big crops of large, firm black-red, very flavorful fruits that resist cracking. Ripens in late July. Zones 5-7. On Mazzard rootstock

Montmorency Tart Cherry 5-6' 1 for \$30

Montmorency cherries are excellent for preserves, making juice and for salads. Hardy, Dependable, Heavy Bearer. Self pollinating. Fruit ripens in July. Zones 4-8. MxM® 60 Rootstock, 90% Mazzard seedling. Excellent resistance to Crown Gall, Collar Rot, and Bacterial Canker.

PEACHES

Flamin'Fury PF-24C Peach 5-6' 1 for \$34

Flamin'Fury PF-24C Peach is late-blooming peach variety has produced full crops in Michigan when other cold hardy varieties failed due to winter and spring freezes. The highly-colored fruit is large (average diameter about 2 3/4") with very firm, yellow freestone flesh. Skin color is about 90% red over greenish-yellow. PF 24-C Cold Hardy harvests about three weeks after Redhaven and has very good acidic-sweet flavor. This variety has good resistance to bacterial leaf, Self pollinating.

PEARS

Bartlett 5-6' 1 for \$31

Bartlett has golden-yellow fruits blushed with red. They are juicy with fine-grained flesh and sweet, rich flavor. Vigorous, productive trees bear at a young age. Fruit ripens in late August. Zones 4-7. OHxF 87 rootstock.

Anjou 5-6' 1 for \$31

Anjou has fine texture and is sweet and juicy with superb, rich flavor. The skin is light yellow and green and the flesh is light yellow when properly ripened off the tree. Harvest in September. Pollinator required. OHxF 87 rootstock.

2 for \$58 One of each

OHxF 87 makes a tree slightly smaller than Bartlett on seedling root and is considered a semi-dwarf tree.

These pears are grouped together for pollination success. Select a variety when ordering a single tree.

PLUM

Stanley 5-6' 1 for \$32

Stanley Prune is the gold standard for prunes. This variety produces abundant crops of oval-shaped fruit with deep purple skin and sweet golden flesh. Tastes great when picked fresh or when dried or canned. Perfect for gardeners in the Northeast. Developed in Geneva, New York in 1926. Ripens in early September. Self-pollinating. Freestone. A licensed variety of Cornell University.

All fruit tree varieties need full sun and protection from wildlife!

FRUIT TREE PLANTING GUIDE

Fruit Tree	Spacing Between Trees Rows		Bearing age (years)	Potential yield at maturity (bushels/plant)
Apple	15 ft.	15 ft.	4-5	4
Cherry, sweet	25 ft.	25 ft.	5-7	75 qt.
Cherry, tart	18 ft.	18 ft.	4	75 qt.
Crabapples	10 ft.	16 ft.	2-3	
Pears	20 ft.	20 ft.	4-5	3
Plum	15 ft.	20 ft.	2-3	2

FRUIT HEALTH INFORMATION AVAILABLE ONLINE:

- **2020 Fruit Management Guide**
http://shop.msu.edu/product_p/bulletin-e0154.htm
- **Disease Management Guidelines for Organic Apple Production in Ohio**
www.caf.wvu.edu/kearneysville/organic-apple.html
- **Integrated Pest Management Resources (Pocket Guide for Apples)**
www.imp.msu.edu/ApplePocket.htm
- **Integrated Pest Management Resources (Pocket Guide for Grapes)**
https://shop.msu.edu/product_p/bulletin-e2889.htm
- **Integrated Pest Management Resources (Pocket Guide for Stone Crops)**
https://shop.msu.edu/product_p/bulletin-e2840.htm

SMALL FRUITS

ASPARAGUS – JERSEY GIANT (2 YEAR)

10 ROOTS FOR \$18

25 ROOTS FOR \$40

Super tender; performs well even in clay soil. Very tight head in warm climates, but as temperatures rise above the mid 70's, watch to be sure spears are staying tight. If they start to open, begin cutting at 5" height to ensure tenderness of harvest. Very tolerant of rust and foliar diseases. Medium to large spear size; prolific spear production Zones 3-8.

BLUEBERRIES - CHIPPEWA, JERSEY, RUBEL (12"-18")

3 PLANTS FOR \$30

Chippewa is a half-high blueberry plant, 3-4' at maturity. Medium to large fruit, firm and delicious. Ripens mid-season. Zones 3
Jersey height is 5-7 feet. The bush is upright and spreading. Ripening late July, yields average 7-10 pounds per bush. Zones 4
Rubel height is also 5-7 feet, ripens late July. Yields a average of 8-10 pounds per bush. Fruit size is small, light blue with very good flavor. Zone 4

CRANBERRY – PILGRIM

1 PLANT FOR \$6

Most of us think of the lowbush cranberry as being a plant just for bogs, but this cranberry has been growing on upland soil is prospering very well. Pilgrim is a very robust variety. It has thick, large, dark green leaves and forms a heavy mat. Fruit is medium large with glossy dark red color. Plant as you would blueberries. Plant 2 feet apart for a solid groundcover. Plant in full sun. Zones 2-7.

ELDERBERRY - WILD

1 PLANT FOR \$ 7

2 PLANTS FOR \$13

Wild elderberry (*Sambucus canadensis*) is the native form of Elderberry. Creamy white cluster of flowers during the mid-summer, followed by large racemes of black fruit. Clusters of fruit will vary from 3 to 6 inches in diameter containing numerous amounts of small fruits. Plants growth varies 8 to 10 feet. Zone 4-8

GRAPES – KING OF THE NORTH (2 YR #1)

1 PLANT FOR \$10

A hardy blue grape excellent for juice, jelly and wine making. Vigorous, productive vines are resistant to common grape diseases and insects. Fruit is medium size, juicy, tart, born on tight clusters, and ripens early September. Zones 4-8. Full sun. Spacing 8' to 10' apart. Produces in third year.

GRAPES – SUMMERSET SEEDLESS(1 YR #1)

1 PLANT FOR \$12

Somerset Seedless is winter-hardy, medium-sized, red, seedless grade with strawberry-like flavor. Moderately vigorous plants with small to medium-sized, compact clusters. Somerset is quite disease-resistant. Grapes are edible at the pink stage in August, but much more flavorful and sweeter if left to ripen to full red. Great for juice and jelly. Distance between vines 8'. Zone 4.

KIWI – ARCTIC(MSU FEMALE, ARCTIC BEAUTY MALE)

1 PLANT FOR \$9

2 PLANTS FOR \$17

Arctic Kiwis require a sunny location, preferably with wind protection. The fruit is very high in Vitamin C. **MSU** is the female Kiwi which is very productive with acceptable medium to large fruit size. The fruits have a good flavor mostly sweet with some acidity. The oblong fruits are firm and attractive. **Artic Beauty** vines have high vigor and are very productive. Growing like a grape vine, the male beautifies walls, fences, or trellises with pink, white, and green variegated leaves by its third year. Hardy kiwis ripen mid to late September. Plant 10-20' apart. Zones 3-7.

LINGONBERRY - ERNTEDEANK, ERNTESEGEN

2 PLANTS FOR \$15

Lingonberry is a low growing evergreen shrub that expands through runners from the original plant. It produces a lovely small flower in the spring and again in summer. Yields medium to large sized, bright red, tart and lemony fruit. Likes acidic soil that is well drained and contains organic matter. They will grow in filtered or full sun and don't like a lot of fertilizer. Excellent for preserves, sauces and pastries. Grows to 8-16" plants are high in vigor, spreading quickly. Zones 2-7.

RED RASPBERRIES – BOYNE (8-12")

5 PLANTS FOR \$22

Released in 1960, Boyne raspberry is an early-season variety that is extremely winter hardy. It consistently produces deep-red, medium-sized berries. The sweet, aromatic flavor makes it great for freezing and jam. Zones 3-7. Full sun.

RHUBARB – CRIMSON RED

1 ROOT FOR \$15

Also known as Crimson Cherry and Crimson Wine, Crimson is reportedly the only variety of consequence in Oregon. It produces brightly colored red stalks with the unique characteristic of being red throughout. Spacing 3 feet, soil pH 6-8 , Zones 3, Full sun.

STRAWBERRIES – CAVENDISH

25 PLANTS FOR \$22

50 PLANTS FOR \$40

100 PLANTS FOR \$72

Cavendish strawberry, which originated in Nova Scotia, is the result of a cross between two varieties known for their winter hardiness and attractive, large fruit. It produces high yields that ripen over a long growing season. Excellent flavor and overall quality of the fruit makes this variety a good choice for commercial and home use. Cavendish is highly resistant to Red Stele and has some resistance to Verticillium Wilt.

All small fruit varieties need full sun to produce!

WOODLAND
WILDFLOWERS & FERNS



Bloodroot



Jack in the Pulpit

Wildflowers

Bloodroot	3 for \$12	5 for \$18
Jack in the Pulpit	3 for \$12	5 for \$18
White Trillium	3 for \$13	5 for \$18
Wild Blue Phlox	3 for \$10	5 for \$16

Ferns

Christmas Fern	3 for \$13	5 for \$20
Cinnamon Fern	3 for \$13	5 for \$20
Maidenhair Fern	3 for \$13	5 for \$20
Royal Fern	3 for \$13	5 for \$20



Christmas Fern



Cinnamon Fern



White Trillium



Wild Blue Phlox



Maidenhair Fern



Royal Fern

WILDFLOWER SEED

Native Michigan Wildflower Seed Mix \$22 - 1 oz. \$80 - ¼ lb. \$145 - ½ lb. \$270 - 1 lb.
A blend of 16 different perennials and 5 grasses all native to Michigan. Species list and directions are included.

GROUNDCOVERS

Michigan Bearberry - This ground cover will trail over rocky and sandy hillsides and slopes. It prefers well drained and slightly acidic soils. Leaves are small and oval shaped. Bell shaped flowers are borne on two year growth. Round pea size fruit ripen in the autumn and are bright red making a spectacular show through the entire autumn and winter seasons. **1 PLANTS FOR \$9**

Michigan Low Bush Blueberries - *Vaccinium pensylvanicum* is the species. It is mainly used as an edible groundcover. Grows tight to the ground 3-4 inches. The foliage in the fall is bright orange, yellow and deep red. The plants have good hardiness and disease resistance. At least two cultivars should be planted to ensure cross pollination. Zones 3-7.

Blue Sunset - *The bright blue fruits are tiny but full of flavor.* (Orders will consist of one of each **2 PLANTS FOR \$20** variety for cross pollination.)
Baby Blue - *Light blue fruits are of fairly large size.*

Creeping/Moss Phlox (Phlox subulata) Needle-like, semi-evergreen foliage forms a tough, durable groundcover. Flowers profusely; a cheerful harbinger of spring. Plants come in 1½" x 1½" x 2" plugs and are 4-6" tall. Zones 2-9. Sun to partial shade.

Emerald Blue - *Lavish display of lavender-blue flowers.*

Amazing Grace - *Crisp, clean white petals kissed with lipstick red at center.* **6 PLANTS FOR \$15 12 PLANTS FOR \$28**

NATURE BOOKS, NEW OTSEGO COUNTY PLAT BOOK

2019 Otsego County Land Atlas & Plat Book	\$28.30	Featuring aerial and township maps showing ownership, acreage, and natural features of Otsego County.
Animal Tracks of the Great Lakes	\$9.95	This pocket guide will help you identify tracks of all shapes and sizes from the Deer Mouse to the White-tailed deer.
Birds of Michigan Field Guide	\$12.95	This full color book contains 112 species of native Michigan birds.
Birds of Michigan	\$24.95	302 species are grouped and color coded for quick identification. Beautiful illustrations.
Butterflies of the Great Lake Region	\$24.95	Easy-to-understand descriptions provide valuable information for butterfly identification and discovery - from abundant species to the rarest. With added detail on color and distinguishing marks, habitat, range and food sources.
Landscaping with Native Plants	\$24.95	The first book in print to help identify Michigan's native plants; includes information on how to successfully grow them. Packed full of color photographs.
Mammals of Michigan Field Guide	\$19.00	This book includes all 66 species of Michigan's mammals, from mice to moose. Detailed photographs and fact-filled information, including a compare feature, range maps, track patterns and scat photos, help to ensure that you positively identify the mammals that you see.
Michigan Trees	\$19.95	A guide to the trees of Michigan and Great Lakes region. The natural history, distribution, insect and disease problems and landscape uses are included for each tree species.
National Audubon Society Field Guide to Northern Michigan Mushrooms	\$20.00	The most comprehensive field guide available to North American mushrooms--a must-have for any enthusiast's day pack or home library
Trees of Michigan Field Guide	\$12.95	This full color book contains 105 species of native Michigan trees.
Trees of Michigan and the upper Great Lakes	\$21.95	The trees covered in this book are, with few exceptions also found in Minnesota, Wisconsin and neighboring Ontario.
Wild Berries and Fruits Field Guide	\$14.95	Identify 165 wild berries and fruits of Michigan, Minnesota and Wisconsin.
Wildflowers of Michigan Field Guide	\$16.95	A colorful guide to 200 of Michigan's wildflowers, with excellent descriptions.
Wildflowers Northeast/North-central North America	\$19.00	Peterson Field Guide is grouped by color and by plant characteristics, 1,293 species in 84 families are described and illustrated.

SILVICULTURAL AIDS

Bamboo Stakes - 4'	1-50 35¢/ea.	51+ 30¢/ea.	Bamboo is strong and weathers well. Use for staking or marking plants and seedlings.
Bat House		\$25.00	Attract bats by providing shelter. Place 15' from the ground by attaching to a pole, tree or building out of wind. Under normal conditions, bats can eat 600-1,000 mosquitoes per hour! Locally made!
Bird House		\$20.00	Bring Eastern Bluebirds to your property by putting up a bluebird house. Locally made!
Fertilizer Tablets	50 - \$9.00	250 - \$38.00	Use one tablet per seedling at time of planting or put tablets in at the drip edge of existing trees.
Flags	Pack of 10	\$2.00	Flags are bright orange. (2½"x3"). Good for marking small trees.
Garlic Sticks	5 - \$3.50	10 - \$6.50	These unique sticks contain garlic oil and chili pepper to keep animals from browsing on plants.
Spiral Fruit Tree Guards	3'	\$2.00	Easy to install and adjust. Helps prevent sun scorch, mower and trimmer damage, rodent girdling and split bark caused by early frosts. Top quality polyethylene.
Mesh Tree Guards - 24"	1-50 \$1ea.	51+ 95¢/ea.	These yellow rigid plastic mesh tubes protect seedlings from rodent and deer damage.
Tree Mats	3'x3'	\$2.25	Woven poly mats block 99% of light to keep weeds out for up to 5 years & encourages faster growth. Lets air and water through. Easy to install. Includes 5 large staples to hold in place.
Soil Moist Root Moisturizer (Similar to Terra Sorb)		\$2.00	Granular powder mixes with water to create a gel that adheres to roots to absorb and retain water like a sponge. Reduces shock and stress. Increases aeration. Helps reduce soil compaction. Lasts 1 year in soil. Treats approximately 1,250 seedlings. Recommended for sandy soil.
Planting Bars	For Sale	\$60.00	Planting bars increase the speed and convenience of planting seedlings. Insert blade with foot pressure to move aside soil and provide a hole for the seedling. Not intended for transplants.
	For Rent	\$55.00 deposit+\$5	
Plantskydd Ready-To-Use Deer Repellant Spray		\$25.00	Safe, organic protection of plants from deer, elk, rabbits, squirrels, voles and more! Rain-resistant. 1 application lasts 3-4 months during growing season or 6 months over winter. Built-in fertilizer.
Signs "Trees Planted"		\$2.00	11.25"x7.5" Black and yellow metal signs that say "Trees Planted, Keep Off".

TREE SALE ORDER FORM

Name _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____
 Email _____

Make checks payable and send to:
Otsego Conservation District
 800 Livingston Blvd. Suite 4A
 Gaylord, MI 49735
 (989) 732-4021

DESCRIPTION	SIZE	QUANTITY	DEPOSIT*	AMOUNT

NOTE: Trees and shrubs may not be resold with roots attached.

*Deposits are for tree bar rentals only.

There is a limited supply of some species. Order early!

Donations to O.C.D are tax deductible.

ORDERS MUST BE RECEIVED BY March 27, 2020

Use blank paper or copies of order forms if additional lines are needed.
Thank you for your order!

Deposit Total*

Subtotal

Add 6% tax

Donation

TOTAL

PAYMENT METHOD: Check enclosed, Visa, Master Card, Discover



CVV Code (on back)

Card Account Number

Name _____ Expiration Date _____
 (Name as it appears on the credit card. Please print.)

Signature _____ Billing Zip Code _____