



**OTSEGO CONSERVATION  
DISTRICT  
SEEDLING SALE  
FUNDRAISER**

**SEEDLING DESCRIPTION  
AND PRICE LIST  
SPRING 2012**

**ORDERS DUE: March 30, 2012**

**APRIL 27 & 28, 2012**

**FROM 8:30 A.M. to 5:00 P.M.**

**LOCATION: PREVIOUS CARTER LUMBER LOCATION ON M-32 WEST,  
EAST OF MEIJER ON THE NORTH SIDE OF THE ROAD**

**THIS TREE SALE BROCHURE IS SPONSORED BY BUSINESSES  
COMMITTED TO CONSERVATION:**

LINN Energy  
Weyerhaeuser  
J & N Inc.

New Horizon Landscape  
Ivan Witt Forestry Consultants, Inc.  
Lee & Lou Ann Olsen  
Dan Smith CPA

**THANK YOU FOR YOUR SUPPORT!**

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

## 2012 PRICE LIST

### CONIFERS-BAREROOT (Please note: ✓ denotes this species is native to Michigan)

	SIZE	5	10	25	50	100	250	500	1000
✓ Jack Pine	6-12"	\$5	\$7	\$13	\$21	\$32	\$66	\$121	\$210
✓ Red Pine	4-10"	5	8	15	24	35	73	135	235
✓ White Pine	4-10"	5	8	15	24	35	73	135	235
✓ White Pine 2-2	10-18"	15	23	41	65	98	203	374	650
✓ Balsam Fir	12-18"	9	15	26	42	63	131	242	420
Concolor Fir	9-12"	9	15	26	42	63	131	242	420
Fraser Fir 2-2	9-12"	17	26	47	75	113	234	431	750
Black Hills Spruce 2-2	9-15"	11	17	31	49	74	153	282	490
Colorado Blue Spruce	5-10"	5	8	15	24	35	73	135	235
Colorado Blue Spruce 2-2	15-24"	15	23	40	65	98	203	374	650
Norway Spruce	5-10"	5	8	15	24	35	73	135	235
Norway Spruce 2-2	15-24"	15	23	40	65	98	203	374	650
✓ White Spruce	5-10"	5	8	15	24	35	73	135	235
✓ White Spruce 2-2	15-24"	15	23	41	65	98	203	374	650
✓ Hemlock	9-12"	11	17	30	48	72	150	276	480
✓ White Cedar	6-12"	7	11	19	30	45	94	173	300

### CONIFERS-CONTAINERIZED

	SIZE	10	20	25	50	100	250	500	1000
✓ Red Pine	6-8"	\$ na	\$ na	\$27	\$43	\$65	\$134	\$247	\$430
✓ White Pine	6-8"	17	29	na	57	86	178	328	570

### HARDWOODS

	SIZE	5	10	25	50	100	250	500	1000
✓ American Chestnut	10"+	\$26	\$43	\$96	\$170	\$ na	\$ na	\$ na	\$ na
✓ American Plum	6-12"	9	14	24	39	59	122	224	390
✓ Black Walnut	6-12"	12	18	33	52	78	163	299	520
Hybrid Poplar	12-24"	7	12	21	33	50	103	190	330
✓ Red Maple	12-24"	10	15	27	43	65	134	247	430
✓ Red Oak	12-24"	10	15	27	43	65	134	247	430
✓ Sugar Maple	6-12"	14	22	40	64	96	200	368	640
✓ White Birch	12-24"	8	12	22	35	53	109	201	350
✓ White Oak	12-18"	11	18	31	50	75	156	288	500

### WILDLIFE SHRUBS

	SIZE	5	10	25	50	100	250	500	1000
✓ Arrowwood	12-18"	\$13	\$20	\$36	\$58	\$87	\$181	\$334	\$580
✓ Black Chokeberry	6-12"	11	17	30	48	72	150	276	480
Butterfly Bush (Lavender)	12-24"	8	12	22	35	53	109	201	350
✓ Elderberry	6-12"	13	20	36	57	86	178	328	570
✓ Gray Dogwood	12-18"	16	25	44	70	105	219	403	700
✓ Hazelnut	6-12"	10	16	29	46	69	144	265	460
✓ Highbush Cranberry	6-12"	14	22	48	80	128	240	400	640
Lilac (Common)	10-18"	8	12	22	35	53	109	201	350
✓ Mt. Ash	6-12"	13	20	35	57	85	177	325	565
Nanking Cherry	24"+	10	15	28	44	66	138	253	440
✓ Nannyberry	6-12"	14	22	40	64	96	200	368	640
✓ Ninebark	12-24"	6	10	18	29	43	89	164	285
✓ Red-Osier Dogwood	12-24"	6	10	18	29	43	89	164	285
Roselow Sgt. Crabapple	6-12"	9	14	26	41	62	128	236	410
✓ Serviceberry	6-12"	9	14	26	41	62	128	236	410
Washington Hawthorn	12-18"	11	18	31	50	75	156	288	500

Please call the district office at 989-732-4021 for information on species selection, site preparation, and purchasing species or quantities not listed here. We are also available to answer forest and wildlife questions and can provide information on local commercial tree planters, consulting foresters, and loggers/producers.

## APPLES Semi-dwarf

### **Wolf River & Sweet Sixteen** 5-6'

1 for \$21 Select a variety when ordering a single tree.  
2 for \$40 One of each variety.  
5 for \$95 A combination of both varieties.  
10 for \$185 Five of each variety.

These apples are grouped together for pollination success.

**Wolf River** - A well-known American cooking apple. This apple dates to 1881. Wolf River has a very high natural resistance to apple scab disease, fire blight and mildew. Used mostly for baking. Ripens from mid-September to early October. Zones 4-8. Rootstock Emla 7

**Sweet Sixteen** - Cold hardy variety from Minnesota, ripening just after McIntosh. Fruit is large, red, firm and crisp with cream colored flesh. Fire blight resistant. Ripens mid-September. Zones 3-6. Rootstock Bud 118  
Height: 11-15' semi-dwarf fruit trees. Full sun. Sandy to moist soils.

## FLOWERING CRABAPPLE

**Manchurian** 5-6' 1 for \$19 2 for \$35

**Manchurian** flowering crab is used to pollinate apple varieties. The white flower is a very prolific pollen producer. Blooms early to midseason.

## CHERRY

**Montmorency Tart Cherry** 5-6' 1 for \$23

**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.

**BlackGold Hardy & Sweet Cherry** 5-6' 1 for \$28

**BlackGold** cherries are dark red, medium-large. This new variety from Cornell University is self-pollinating & hardy to -30 below. Late-blooming, fruit matures mid-season. It is very hardy and produces well. Zones 4-8. Gisela 5, semi-dwarf rootstock, roughly 65% of Mazzard. May need support, virus-tolerant.

## PEACH

**Reliance** 5-6' 1 for \$23

**Reliance** peach originated in New Hampshire in 1964. The skin is a dark red splashed over yellow. Fruit is medium to large size. The bright yellow flesh bursting with flavor. Freestone, ripens mid-August. Zones 4-8. Self-pollinating. Lovell, standard rootstock.

## PEARS

**Bronze Beauty** 5-6' 1 for \$22 2 for \$43

**Bronze Beauty** has a solid, heavy russet that completely encompasses the pear. When ripe, the russeting takes on a rich bronze color. Fruit is medium to large size. When properly ripened at room temperature, the flesh is yellowish-white, juicy and sweet.

**Kieffer** 5-6'

**Kieffer** pears are known for producing delicious, bright yellow pears for fresh eating as well as preserves. Fast growing, reaches a mature height of 15-25 feet quickly. Full sun and well-drained soil. OHxF 97, a clonal rootstock, resistant to pear decline and fire blight. Good anchoring. Zones 4-9

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

## PLUM

**Mount Royal** 5-6' 1 for \$22

**Mount Royal** is a very hardy, excellent blue plum that originated near Montreal, Canada. The fruits are medium size, round, and yellow-fleshed with good quality. Myroblan rootstock. Good resistance to root rot and nematodes. Makes a large semi-dwarf tree if unpruned, but can be maintained at any height with summer pruning.

## FRUIT TREE PLANTING

Fruit Rootstock	Spacing Between Trees	Between 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	
Peaches	15 ft.	20 ft.	3-4	4
Pears	20 ft.	20 ft.	4-5	3
Plum	15 ft.	20 ft.	2-3	2

## **FRUIT HEALTH INFORMATION AVAILABLE ONLINE**

- **Organic and Low-Spray Apple Production**  
[www.attra.ncat.org](http://www.attra.ncat.org)
- **Disease Management Guidelines for Organic Apple Production in Ohio**  
[www.caf.wvu.edu/kearneysville/organic-apple.html](http://www.caf.wvu.edu/kearneysville/organic-apple.html)
- **Integrated Pest Management Resources**  
[www.imp.msu.edu/ApplePocket.htm](http://www.imp.msu.edu/ApplePocket.htm)
- **Growing Apples in the Home Orchard**  
<http://ohioline.osu.edu/hyg-fact/1000/1401.html>
- **Care of the Mature Backyard Apple Tree**  
[www.ceinfo.unh.edu](http://www.ceinfo.unh.edu)
- **Cooperative Extension System**  
[www.extension.org](http://www.extension.org)

**All fruit tree varieties need full sun and protection from wildlife.**

## 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

### **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

### **Colorado Blue Spruce**

Height: 40-80'

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

### **Concolor Fir**

Height: 50-80'

An important Christmas and ornamental tree because of its graceful form and blue-gray foliage. Must be shaped if grown for Christmas tree production.

### *Abies concolor*

Full sun to shade; sandy to moist soils

### **Eastern Hemlock**

Height: 65-100'

Slow growing, but very long lived (600+ years). Found growing naturally in our northern hardwood forest. Provides thermal cover for wildlife in the winter.

### *Tsuga canadensis*

Full sun to shade; moist to wet soils

### **Eastern White Pine**

Height: 65-100'

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*

Full sun to partial shade; wide range of soils.

### **Fraser Fir**

Height: 30-40'

This species prefers a moist, well-drained loam and is not tolerant of wet sites. The Fraser Fir is favored as a Christmas tree due to its distinctive aroma and excellent needle retention. With a horizontal branching habit, the needles of the Fraser Fir are shiny and dark green. A slow to medium grower.

### *Abies fraseri*

Full sun to partial shade; moist to well-drained soils

### **Jack Pine**

Height: 30-55'

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 tolerant and salt tolerant.

### *Pinus banksiana*

Full sun; very sandy soils

### **Northern White Cedar**

Height: 50-80'

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

### **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

### **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.

### *Pinus resinosa*

Full sun; sandy to gravelly soils

### **White Spruce**

Height: 50-80'

Slow to moderate-growth. Retains lower branches making it excellent for wildlife cover, windbreaks and visual screening.

### *Picea glauca*

Partial shade; sandy to moist soils

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## HARDWOODS

### **American Chestnut**

Height: 60-80'

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

### *Castanea dentata*

Full sun; well-drained soils.

### **Black Walnut**

Height: 60-90'

Produces valuable timber in southern Michigan. Nuts excellent for wildlife and humans. Does not tolerate very wet or dry soils. Salt tolerant.

### *Juglans nigra*

Full sun; moist, rich, well drained 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.

### **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.

### **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; sandy to wet 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.

### **Red Oak**

Height: 65-100'

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 Oak**

Height: 60-80'

Produces sweet nuts eaten in the fall by deer, small mammals and turkeys. Produces valuable lumber and excellent firewood. 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.

## **GREAT NATURE BOOKS, OTSEGO COUNTY PLAT BOOK, MAPS**

Animal Tracks of the Great Lakes	\$8.95	This pocket guide will help you identify tracks of all shapes and sizes from the Deer Mouse to the White-tailed deer.
Animal Tracks Pocket Naturalist	\$5.95	This guide provides simplified field reference to familiar animal tracks.
Birds of Michigan Field Guide	\$12.95	This full color book contains 112 species of native Michigan birds.
Birds of Michigan	\$22.95	302 species are grouped and color coded for quick identification. Beautiful illustrations.
The Bird Garden	\$24.95	The Bird Garden provides a fully illustrated, hardcover guide to garden birds and the plants that will attract them.
Eastern Birds, Golden Field Guide	\$14.95	A comprehensive guide to bird classification. A must for students, naturalists, and bird lovers.
Freshwater Fishes, Peterson Field Guide	\$19.00	Covers all 790 species of freshwater fishes known to the US & Canada. Numerous color pictures and illustrations.
Gardening in Deer Country	\$9.95	A great book for those who have problems with deer eating their prized plants. This book will tell you which plants deer like and the ones they don't.
Landscaping For Wildlife	\$12.00	An excellent resource for anyone interested in attracting wildlife to the backyard or the back 40. Full of colorful pictures and practical information.
Lakescaping for Wildlife and Water Quality	\$19.95	A great book for lakeshore property owners. This book will help property owners in planning their lakeshore property.
Landscaping with Native Plants	\$24.95	The first book in print to help identify the state's native plants while giving the basic gardening information to successfully grow those plants. Packed full of color photographs!
Mammals, Peterson First Guide	\$5.95	The concise field guide to 197 common mammals of North America.
Michigan Frogs, Turtles and Salamanders	\$19.95	A field guide with many large color photos and descriptions to help identify Michigan frogs, turtles and salamanders.
Michigan Snakes	\$15.95	A field guide with many large color photos and descriptions to help identify Michigan snakes.
Michigan Turtles and Lizards	\$12.95	A field guide with many large color photos and descriptions to identify Michigan turtles and lizards.
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. A must for tree lovers!
Michigan Wildflowers in Color	\$18.95	Features 278 Michigan wildflowers each with a photo and detailed plant description. Includes trails and plant checklist.
Michigan Wildlife Viewing Guide	\$9.95	An absolute must for backpackers, day trippers or anyone who enjoys Michigan's wildlife. 121 sites you could spend a lifetime exploring. Many color photos and maps.
Mushroom Hunter's Field Guide	\$24.95	This hardcover guide tells when, where and how to find edible mushrooms and how to avoid poisonous ones. Many color photos for identification.
Pictorial Guide to Perennials	\$21.95	A guide to plant use, basic cultural needs, and identification of perennial flowers and foliage plants for landscaping.
Tracks, Scats and Signs	\$7.95	A great children's guide to learn how to spot and identify common clues of 17 wildlife species.
Trees of Michigan	\$20.95	A comprehensive guide to native and naturalized trees and tall shrubs in Michigan.
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	This book is a useful reference guide covering the entire Upper Great Lakes region. Each species has a thorough description and photos of tree details such as the bark.
Wild Berries and Fruits Field Guide	\$14.95	Identify 165 wild berries and fruits of Michigan, Minnesota and Wisconsin. Organized by color with full page photos. Very informative including which ones are edible and which are poisonous.
Wildflowers of Michigan Field Guide	\$16.95	A colorful guide to 200 of Michigan's wildflowers. Great descriptions.
Wildflowers of the Northern Great Plains	\$15.95	This book includes 400 species and over 600 color photographs. Great pictures and illustrations.
Wildflowers, Peterson Field Guide	\$19.00	This comprehensive guide includes all the flowers you are most likely to encounter in North Central and Eastern U.S., as well as parts of Canada.
Woodworking for Wildlife	\$19.95	Newly revised, comprehensive guide to habitat requirements. Includes a wealth of species info and detailed plans to build nesting boxes for bluebirds, bats, flying squirrels, loons, and many more!
2009 Otsego County Plat Book	\$28.30	Township maps showing ownership, acreage, and natural features of Otsego County.
Topographic Maps	\$5.25	Topographic maps show elevations using contour lines. Choose from 11 Otsego County maps-Elmira, Gaylord, Johannesburg, Otsego Lake, Green Timbers, Vanderbilt, Sparr, ect.

## 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 many wildlife species.

### ***Prunus americana***

Full sun; wide range of soils.

### **Mountain Ash**

Height: 12-25'

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

***Sorbus americana***  
Partial shade to shade; wide range of soils.

### **Arrowwood**

Height: 8-10'

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 soils.

### **Nanking Cherry**

Height: 3-10'

tolerant.

A moderately fast-growing shrub. Broad spreading, densely twiggy. Flowers early spring with white flowers. Edible fruit are 1/2" bright red berries and excellent for pies and jellies. Fruit is relished by many songbirds.

***Prunus tomentosa***  
Full sun, well drained soil, fairly drought

### **Black Chokeberry**

Height: 2-7'

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

### ***Aronia melanocarpa***

Full to partial shade; dry to moist soils.

### **Nannyberry**

Height: 13-23'

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

### ***Viburnum lentago***

Partial shade; moist to wet soils.

### **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.

### **Ninebark**

Height: 5-10'

Densely branched, spreading shrub. Attractive ornamental because of showy flowers. Effective as a visual screen because of dense branching habit.

### ***Physocarpus opulifolius***

Full sun; wide range of soils.

### **Elderberry**

Height: 3-12'

A stout, strong-growing shrub with white flowers (July), followed by purple-black fruits. Safe for human and wildlife consumption.

### ***Sambucus canadensis***

Full to partial shade; rich, 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.

### ***Cornus stolonifera***

Full to partial sun; moist to wet soils.

### **Gray Dogwood**

Height: 3-12'

Reddish twigs turning gray with age. Pale green leaves that change to reddish-purple in the fall. This shrub is commonly seen on Michigan roadsides, forest edges, riverbanks, and swamps. Easily transplanted.

### ***Cornus racemosa***

Full sun to shade; various soil types.

### **Roselow Sgt. Crabapple**

Height: 8'

Excellent for windbreaks. Showy flowers with persistent fruit. Abundant food and cover used by birds and mammals.

### ***Malus sargentii***

Full sun; very sandy soils.

### **Hazelnut**

Height: 10'

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

### ***Corylus americana***

Full sun to shade; dry to moist soils.

### **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.

### ***Amelanchier canadensis***

Partial shade; moist, fertile to dry soils.

### **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.

### **Washington Hawthorn**

#### ***Crataegus phaenopyrum***

Height: 30' Full sun; wide range of soils.

Multiple stemmed tree with thorns on branches. Produces abundant fruit eaten by deer and birds. Excellent nesting tree due to thorny protection.



## **WEED CONTROL IS ESSENTIAL FOR SEEDLING SURVIVAL!!**

### 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. Suitable for very sandy sites where weed competition is minimal and in cases when planting must be delayed. Smaller than bareroot stock.

#### **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'	



Containerized Seedling

## SMALL FRUITS

### STRAWBERRIES—EARLIGLOW

**25 PLANTS FOR \$14.00 50 PLANTS FOR \$25.00**

Junebearing. Sets and ripens fruit faster than any other strawberry on the market. Uniform shape and color. Plants resist red stele rot, verticillium wilt, leaf scorch and leaf spot. Self-pollinating. Zones 4-8. Full sun.

### RHUBARB—CANADA RED

**1 ROOT FOR \$9.00**

Large stalks yield 4-12 lbs. per crown. Color won't fade during cooking. Sweetest of all, so needs less sugar when baked than others. Harvest well into fall, seldom goes to seed. Apply winter mulch in late fall. Each fall, top dress soil with a 3 inch layer of compost; apply alongside and directly over the roots. Zones 3-8. Full sun.

### RED RASPBERRIES—LATHAM (# 1 TRANSPLANT)

**3 PLANTS FOR \$14.00**

A reliable favorite! Cold-hardy, disease-resistant. Premium quality plus wonderfully sweet flavor. Firm, luscious fruit processes perfectly for jams and jellies. Self-pollinating. Zones 3-8. Full sun.

### PURPLE RASPBERRIES— BRANDYWINE (#1 TIP)

**3 PLANTS FOR \$19.00**

'Brandywine' is a true purple raspberry. A hybrid cross between red raspberry and black raspberry, this purple raspberry is unsurpassed for jam, jelly, and pies. It is less invasive and "stays put" where it is planted. High quality, insect resistant, hardy and very adaptable. Zones 4-8. Full sun. Ripens mid-season.

### BLUEBERRIES—BLUE JAY, NORTHLAND, CHIPPEWA (12"-18")

**3 PLANTS FOR \$27.00**

Bluejay and Northland grows to about 4 ft. high. A moderate spreader. Very productive, super-hardy. Bears fruit after 29-40<sup>o</sup> below zero! Ripens mid-July. Zones 4-7. Firm berries rich in flavor. Chippewa is a half-high blueberry plant, 3 to 4' at maturity. Medium to large fruit, firm and delicious. Ripens mid-season. Zones 3-7. Blueberries make a fine hedge. Leaves turn deep crimson in fall. Plants usually start to bear the second year and last 25-30 years.

### GRAPES—CANADICE 2 YR #1 (RED-SEEDLESS)

**1 PLANT FOR \$16.00**

Hardest red you can grow. Firm, fully ripe red grapes have pleasant tang and no tough skins. Flavor is excellent. Totally seedless, medium size berries. Produces 35-40 clusters of fruit per vine in late August, early September. Full sun.

### GRAPES—KING OF THE NORTH (2 YR #1)

**1 PLANT FOR \$9.00**

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, borne on tight clusters, and ripens early September. Zones 4-8. Full sun. Spacing 8' to 10' apart. Produces in third year.

### ASPARAGUS — PURPLE PASSION (1 YEAR)

**10 ROOTS FOR \$13.00 25 FOR \$27.00**

"Purple Passion" is destined to set new standards in asparagus taste and tenderness. Its spears are larger and more tender than green asparagus. Without any of the springs that can make green asparagus tough, the whole spear can be cooked without wasting the butt. Stalks turn green when cooked. Zones 3-8.

### KIWI — ARCTIC (ANNA FEMALE, MEADER MALE)

**2 PLANTS FOR \$12.00**

Unusually vigorous Arctic Beauty Kiwi thrives in a wide variety of soil. 20 times more vitamin C than in oranges. Growing like a grape vine, the male beautifies walls, fences, or a trellis with pink, white, green variegated leaves by its third year. Plant 8' apart. Bears in 5 to 7 years. Zones 3-7.

## GROUNDCOVER

**Creeping/Moss Phlox (*Phlox subulata*)** Needle-like, semi-evergreen foliage forms a tough, durable groundcover. Flowers in early spring. Plants come in 1½" x 1½" x 2" plugs and are 4-6" tall. Zones 3-9 *Sun to partial shade.*

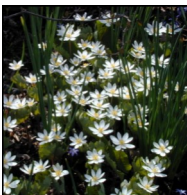


<b>Starfire</b>	<i>Deep rose petals with a scarlet eye</i>	6 plants for \$11	12 plants for \$20
<b>Fort Hill</b>	<i>Deep-pink flowers, slightly fragrant flower</i>	6 plants for \$11	12 plants for \$20
<b>Emerald Blue</b>	<i>Stunning lavender-blue flowers</i>	6 plants for \$11	12 plants for \$20
<b>Scarlet Flame</b>	<i>Deep rose petals with scarlet eye</i>	6 plants for \$11	12 plants for \$20

## WILDFLOWER SEED

**Midwest Wildflower Seed Mix** \$5-1 oz. \$18-¼ lb. \$32-½ lb. \$60-1 lb. 1 oz. covers 250 sq. ft.  
A blend of 23 different perennial and annual wildflowers that give a mix of blossoms as seasons change. Species list and directions are included.

**Native Michigan Wildflower Seed Mix** \$20-1 oz. \$70-¼ lb. \$125-½ lb. \$225-1 lb. 1 oz. covers 200 sq. ft.  
A blend of 21 different perennials and 5 grasses. Species list and directions are included.



**Bloodroot**



**Red Trillium**



**Wild Blue Phlox**



**Yellow Trout Lily**

Attract native bees and beneficial insects with native plants!



**Jack in the Pulpit**

## WOODLAND WILDFLOWERS AND FERNS

### Wildflowers

Bloodroot	3 for \$7	5 for \$11
Jack in the Pulpit	3 for \$8	5 for \$13
Red Trillium	3 for \$9	5 for \$14
White Trillium	3 for \$8	5 for \$13
Wild Blue Phlox	3 for \$6	5 for \$9
Yellow Trout Lily	3 for \$8	5 for \$12

### Ferns

Cinnamon Fern	3 for \$10	5 for \$15
Lady Fern	3 for \$9	5 for \$14
Maidenhair Fern	3 for \$9	5 for \$14
Ostrich Fern	3 for \$12	5 for \$18



**Cinnamon Fern**



**Lady Fern**



**Maidenhair Fern**



**Ostrich Fern**

