

Spring Seedling Sale Catalog 2006

Muskegon Conservation District

*Serving, educating and empowering our community for
natural resource stewardship*

We would like to thank you for your support of the Muskegon Conservation District. The proceeds from this seedling sale are used to promote many conservation programs throughout Muskegon County. The Muskegon Conservation District is a locally controlled resource management district created by concerned landowners and administered by a publicly elected board of directors.

Board of Directors

Joe Slater, Jr.	Chairman
Marilyn McNitt	Vice-Chair
Robert Cutler	Treasurer
Paul Schroeder	Secretary
Ted Stojak	Director



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To place an order, complete *both sides* of the order form on pages 11-12 of this catalog using product and price information found on page 3. Mail completed form and payment by March 31 to:

2006 Spring Seedling Sale
Muskegon Conservation District
940 N. Van Eyck St.
Muskegon, MI 49442

Pick Up Date is April 22, 2006

Muskegon Conservation District
940 N. Van Eyck St.
Muskegon, MI 49442
Phone: 231-773-0008

Calendar of Events

- **March 18, 2006** Creating a Natural Landscape Conference at Frederik Meijer Gardens in Grand Rapids. Pre-registration is required by March 1, cost per person is \$35.00. Call 231-773-0008 for information and registration.
- **March 31, 2006** Tree Order Deadline.
- **April 22, 2006** Tree Sale Pick Up from 9:00 am to 12 noon. Extras sold from 1:00 pm to 3:00pm. Also Earth Day.
- **April 28, 2006** Arbor Day
- **June 3, 2006** Native Wildflowers and Grasses Consignment Sale, 9:00 am to 12:00 pm, at Muskegon Conservation District offices. No preorders taken. Selection varies.

Monthly Meetings

- **Muskegon Conservation District Board** –3rd Thursday at 5:00pm, Muskegon Conservation District office. 940 N. Van Eyck St.; 231-773-0008. Open to the public.
- **White Lake Public Advisory Council** –2nd Wednesday at 7:00 pm, White Lake Community Library.
- **Duck Creek Watershed** –2nd Tuesday at 7:00 pm, Fruitland Township Hall.
- **White River Watershed Partnership** –2nd Thursday at 5:30 pm, Newaygo Conservation District office.
- **Mona Lake Watershed Council Outreach Committee** - 2nd Wednesday at 5:30 pm, Muskegon Heights City Hall.
- **Muskegon River Watershed Assembly** - Visit www.mrwa.org, or call 231-591-2324 for dates & locations.

To volunteer your time for the 2006 Spring Seedling Sale, call Rebecca at 773-0008. Volunteers are needed to pack trees and fill orders during the hours of 9:00am to 4:00pm, Wednesday April 19 through Saturday April 22.

District Staff

Jeff Auch	Executive Director
Rebecca Bieneman	District Forester
Steve Coverly	Project Manager
Rob Stein	MAEAP Technician
Jessica Burrows	AmeriCorp Volunteer
Vacant	Groundwater Technician
Greg Mund	Resource Conservationist (USDA-NRCS)

Forestry Assistance Program Available

The purpose of the Forestry Assistance Program is to help Michigan citizens better understand, plan, manage, protect, and utilize their forest resources. The Muskegon Conservation District Forester provides the following services to residents of Muskegon and Kent Counties, free of charge:

- In office and phone assistance
- Onsite assistance
- Information & Education on Forest Health Issues
- Information & Education on Forest Management
- Referrals to private Consulting Foresters
- Written management plans to non-industrial private forest landowners and local governments upon request
- Tree and Shrub Seedling sale planting recommendations and planting information
- Presentations throughout the grant year on local forest health issues.

To request the services of the local District Forester, Rebecca Bieneman, stop in our office, 940 N. Van Eyck St.. Or call at 231-773-0008. It doesn't matter if you have a large tract of land or a small lot, site visits to your property are possible.

Muskegon Conservation District 2006 Spring Seedling Sale Price List

Species / Product	Scientific Name	Quantity					
		10	25	50	100	500	1000
Conifers Seedlings							
Cedar, Red Seedling	<i>Juniperus virginiana</i>	\$14	\$26	\$38	\$60	\$263	\$450
Cedar, White Seedling	<i>Thuja occidentalis</i>	\$14	\$26	\$38	\$60	\$263	\$450
Fir, Concolor Seedling	<i>Abies concolor</i>	\$10	\$21	\$34	\$51	\$170	\$255
Fir, Douglas Seedling	<i>Pseudotsuga menziesii</i>	\$8	\$17	\$27	\$41	\$135	\$203
Canadian Hemlock Seedling	<i>Tsuga canadensis</i>	\$18	\$35	\$50	\$80	\$350	\$600
Pine, Jack Seedling	<i>Pinus banksiana</i>	\$8	\$17	\$27	\$41	\$135	\$203
Pine, Red Seedling	<i>Pinus resinosa</i>	\$8	\$16	\$25	\$38	\$125	\$188
Pine, White Seedling	<i>Pinus strobus</i>	\$11	\$23	\$36	\$54	\$180	\$270
Spruce, Blue Seedling	<i>Picea pungens</i>	\$8	\$17	\$27	\$41	\$135	\$203
Spruce, Norway Seedling	<i>Picea abies</i>	\$8	\$17	\$27	\$41	\$135	\$203
Spruce, White Seedling	<i>Picea glauca</i>	\$8	\$17	\$27	\$41	\$135	\$203
Tamarack Seedling	<i>Larix laricina</i>	\$23	\$48	\$76	\$114	\$380	\$570

Conifer Transplants	Scientific Name	Quantity					
		10	25	50	100	500	1000
Fir, Balsam Transplant	<i>Abies balsamea</i>	\$24	\$47	\$68	\$108	\$320	\$590
Fir, Concolor Transplant	<i>Abies concolor</i>	\$34	\$67	\$95	\$152	\$288	\$525
Fir, Douglas Transplant	<i>Pseudotsuga menziesii</i>	\$21	\$41	\$59	\$94	\$285	\$520
Fir, Fraser Transplant	<i>Abies fraseri</i>	\$34	\$67	\$95	\$152	\$350	\$650
Spruce, Blue Transplant	<i>Picea pungens</i>	\$21	\$40	\$58	\$92	\$280	\$510
Spruce, Norway Transplant	<i>Picea abies</i>	\$21	\$40	\$58	\$92	\$280	\$510

Deciduous Trees	Scientific Name	Quantity			
		10	25	50	100
American Chestnut	<i>Sorbus americana</i>	\$18	\$38	\$53	\$90
Birch, Yellow	<i>Betula nigra</i>	\$15	\$31	\$43	\$74
Birch, White	<i>Betula papyrifera</i>	\$11	\$24	\$33	\$57
Black Cherry	<i>Prunus serotina</i>	\$11	\$24	\$33	\$57
Black Walnut	<i>Juglans nigra</i>	\$13	\$28	\$39	\$66
Maple, Red	<i>Acer rubrum</i>	\$10	\$20	\$28	\$49
Maple, Sugar	<i>Acer saccharum</i>	\$9	\$19	\$26	\$45
Oak, Burr	<i>Quercus macrocarpa</i>	\$14	\$30	\$42	\$72
Oak, Red	<i>Quercus rubra</i>	\$10	\$20	\$28	\$49
Oak, White	<i>Quercus alba</i>	\$9	\$19	\$26	\$45
Quaking Aspen	<i>Populus tremuloides</i>	\$9	\$19	\$26	\$45
Tulip Poplar	<i>Liriodendron tulipifera</i>	\$13	\$28	\$39	\$66

Shrubs	Scientific Name	Quantity			
		10	25	50	100
American Mountain Ash	<i>Sorbus americana</i>	\$11	\$22	\$39	\$66
Arrowwood	<i>Viburnum dentatum</i>	\$11	\$21	\$37	\$63
Bayberry	<i>Myrica pennsylvanica</i>	\$10	\$19	\$33	\$57
Buttonbush	<i>Cephalanthus occidentalis</i>	\$10	\$19	\$33	\$57
Sargent Crabapple	<i>Malus sargentii</i> 'Roselow'	\$12	\$25	\$43	\$74
Eastern Redbud	<i>Cercis canadensis</i>	\$14	\$27	\$47	\$81
Elderberry	<i>Sambucus pubens</i>	\$8	\$17	\$29	\$50
Dogwood, Flowering	<i>Cornus florida</i>	\$14	\$28	\$48	\$83
Dogwood, Gray	<i>Cornus racemosa</i>	\$6	\$12	\$20	\$35
Dogwood, Pagoda	<i>Cornus alternifolia</i>	\$12	\$23	\$40	\$69
Dogwood, Red-osier	<i>Cornus stolonifera</i>	\$6	\$12	\$20	\$35
Dogwood, Silky	<i>Cornus amomum</i>	\$8	\$16	\$28	\$49
Hazelnut	<i>Corylus americana</i>	\$14	\$27	\$47	\$81
Highbush Cranberry	<i>Viburnum trilobum</i>	\$15	\$30	\$52	\$89
Juneberry	<i>Amelanchier canadensis</i>	\$11	\$22	\$39	\$66
Lilac	<i>Syringa vulgaris</i>	\$6	\$13	\$22	\$38
Nannyberry	<i>Viburnum lentago</i>	\$15	\$30	\$52	\$89
Ninebark	<i>Physocarpus opulifolius</i>	\$6	\$12	\$20	\$35
Sand Cherry	<i>Prunus pumilla</i>	\$9	\$18	\$31	\$53

TREE PACKS	Each package has a total of 10 tree seedlings
Flowering Tree Pack	\$25
Nut Tree Pack	\$32

Species / Product	Price
Tree Planting Products for Sale	
Terra-Sorb gel, 1 ounce	\$2.00
Planting Bar / Dibble	\$23.00
"Trees Planted" Sign	\$1.00
Plantskydd Animal Repellent	
Pre-mixed liquid 1 qt.	\$20.00
Soluble powder 1 lb.	\$20.00
Tree Shelters - 2' tube (pack of 5)	\$10.00
Tree Shelters - 3' tube (pack of 5)	\$15.00
Vinyl Marking Flag	\$0.10

Wildlife Homes for Sale	Price
Bluebird House (Pine; Troyer's Sparrow Resistant Design)	\$15.00
Bluebird House (Cedar; Peterson Style)	\$25.00
Wood Duck House (Cedar)	\$50.00
Bat House (Cedar)	\$35.00

Grasses and Wildflowers	Price
Beach grass (bundle of 100)	\$12.00
Native Sunny Wildflower Mix - BULK	\$5 / oz
Native Sunny Wildflower Mix - BULK	\$16 / 4 oz
Shady Wildflower Mix - BULK	\$3 / oz
Shady Wildflower Mix - BULK	\$10 / 4 oz
Native Wildflower Mix - 3.5 grams	\$3.50
Native Songbird Mix - 3.5 grams	\$3.00
Native Butterfly Mix - 3.5 grams	\$3.00
Native SandScape Mix - 3.5 grams	\$3.50
Black-eyed Susan - 1.75 grams	\$2.50
Columbine - 1.75 grams	\$4.00
Coreopsis - 1.75 grams	\$2.50
Monarda Bee Balm - 1.75grams	\$2.50
Butterfly Weed - 1.75 grams	\$3.25
Dahlia bulbs (package of 3)	\$2.50
Daylilies	\$0.35
Hosta plugs - mixed	\$0.75

Books for Sale	Price
Birds of Michigan	\$13.00
Lakescaping for Wildlife & Water Quality	\$16.00
Landscaping for Wildlife	\$15.00
Michigan Wildflowers in Color	\$19.00
Trees of Michigan	\$13.00
Wild About Birds	\$20.00
Wildflowers of Michigan	\$17.00
Woodworking for Wildlife	\$13.00

MCD Logo Products for Sale	Price
Recycled Cotton Canvas Tote bag	\$10.00
12 oz Recycled Plastic Travel Mug	\$5.20
MCD Logo Short-sleeve shirt	\$11.80
Green - L, XL, XXL	
Blue - L, XL	
MCD Logo Long-sleeve shirt	\$14.15
Blue - Large only	

Conifers / Evergreens

***White Cedar:** Also called Arborvitae. Another small to medium sized native. Slow growing, shade tolerant. Grows almost anywhere but prefers wet/moist open areas of poorly drained sites. Tolerant of acidic and alkaline soils. Used for lumber, windbreaks, hedges, wildlife food and cover. Seedling size: 3-0, 8-15"

***Red Cedar:** An excellent choice for wildlife food and cover. The waxy, blue berries ripen in autumn and are favored by many birds. Individual trees are either male or female, so some specimens will not have fruit. Grows 40-50 feet with a width of 8-20 feet. Tolerates drought and poor soils. Prefers full sun. Generally not browsed by deer. Seedling size: 2-0, 6-12"

***Balsam Fir:** This small to medium sized conifer will grow to 40-60 feet tall. Prefers cool climates and well-drained, acidic soils. Great for Christmas trees, aromatic, long lasting needles. Transplants easily because of shallow root system. Highly shade tolerant. Wildlife will rely on it for both food and shelter. Transplants: 3-1, 5-10"

Concolor Fir: Grows to 100 feet tall. Tolerates a wide range of soils, shade tolerant, slow growing. Blue-green needles and a silver trunk. Good for wildlife cover, landscaping and Christmas trees. Seedling size: 2-0, 5-10". Transplants: 2-1, 6-12".

Douglas Fir: Grows best in moist, well drained soil and full sun. A fast growing tree that will reach up to 50 feet tall. Good for landscaping, Christmas trees and wildlife cover. Seedling size: 2-0, 8-12". Transplants: 2-1, 8-12".

Fraser Fir: Pyramidal tree, growing to 40 feet tall, slow growing, and moderately shade tolerant. Needs well drained soils. Used for landscaping and Christmas trees. Transplants: P+1, 6-12".

Canadian Hemlock: Also known as Eastern Hemlock, this tree can grow to 70 feet on favorable sites. Prefers evenly moist, acidic, organic well-drained soils. Performs best in partially shaded sites. Most shade tolerant of all tree species. Used for food by grouse, songbirds, and wild turkey also used for shelter. Deer will browse heavily during winter. Seedling: 3-0, 6-12"

***Jack Pine:** A fast growing medium size tree, 70-80 feet high and 2 feet in diameter with short and stout, slightly twisted needles. Prefers well-drained loamy sand, but can maintain itself on dry sandy or gravelly soil types. Does not tolerate shade. Seedling size: 2-0, 8-12"

***Red Pine:** Large tree growing 50-80 feet tall. Grows best in well drained sandy soils and full sun. Moderate to fast growth rate. Dark green needles are 4-6" long in bundles of two. Used for windbreaks, landscaping, and timber. Seedling size: 2-0, 4-8"

***White Pine:** Our State tree!! Large tree 80-100 feet tall, shade tolerant, moderate to fast growth. Needles are bluish-green, soft and grow in bundles of 5. Prefers rich, moist to well-drained sandy soils. Used for timber, wildlife cover and windbreaks. Seedling size: 2-0, 7-14"

Colorado Blue Spruce: Most adaptable of the spruces. Grows 30-60 feet tall. Grows well on any upland soil, prefers full sun. Stiff blue-green to silvery needles. Used in landscaping, Christmas trees and windbreaks. Seedling: 2-0, 6-12". Transplants: 2-1, 8-14".

Norway Spruce: Large tree 60-90 feet tall, shade tolerant and moderately fast growing. Needles are dark green and short. Prefers moist clay to loam soils. Valued for landscaping, windbreaks and wildlife cover. Seedling: 2-0, 6-12". Transplants: 2-1, 8-14".

Check out our selection of Native Species!

All the starred (*) species are native to Michigan. Native species have adapted over the eons to Michigan's soils and climate. By planting them we provide the food and habitat necessary for our native wildlife. The use of native species encourages a wide variety of plants in the landscape, and this diversity nurtures animals, many of which rely on specific sources for food and shelter.

***White Spruce:** Our native spruce. Large tree 60-90 feet tall, shade tolerant, slow growing. Prefers well drained clay to clay-loam soils. Tolerates heat, drought, and high water. Used for landscaping, windbreaks and wildlife cover. Seedling size: 2-0, 6-12”

"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."

***Tamarack:** This small to medium sized, deciduous, native conifer will grow 50 –75 feet tall on suitable soils with adequate water levels. Grows best on more favorable sites such as moist but well-drained loamy soils along streams, lakes and swamps. It is not tolerant of shade so plant where they will get plenty of sun. Used for timber, wildlife food and cover, aesthetically appealing tree. Seedling size: 2-0, 6-12”

Hardwoods / Deciduous Trees

***American Chestnut:** Well suited to dry, sandy soils where available water may be a problem. Shade tolerant and fast growing. Short lived due to its extreme sensitivity to the chestnut blight. Seedling size: 2-0, 10-18”

***Yellow Birch:** Landscape tree is well suited to the average garden soil. Reaches up to 50 feet in height. Aesthetically pleasing tree for the ornamental landscape. Seedling size: 2-0, 6-12”.

***White Birch:** Native tree. Grows 35 to 65 feet tall. Fast growing, especially when young. Avoid spring pruning to prevent “bleeding”. Likes full sun and does not tolerate shade. Fairly adaptive to different soils, often found in sandy gravelly soils.

Uses include timber, firewood and ornamental lawn tree. Seedling size: 2-0, 6-12”.

***Black Cherry:** A fast growing tree attaining heights of 60-80 feet with a trunk diameter of 2-3 feet. Prefers sandy to loamy, well drained soils. The clusters of black fruit, which ripen in late summer, are an important food source for birds and wildlife. Intolerant of shade as it grows older. Seedling size: 1-0, 6-12”

***Black Walnut:** A valuable hardwood timber tree with 1-2 foot long compound leaves. Achieving best growth on moist sandy loams where it can reach 60-80 feet in height and 2-3 feet in trunk diameter. The large nuts are a good winter food source for wildlife. Not tolerant of shade. The wood is used for furniture, veneer and gun stocks. Seedling size: 1-0, 6-12”

***Red Maple:** Medium tree 45-60 feet tall, will grow in poorly drained to well drained sites. Shade tolerant and fast growing. Noted for its red buds, twigs and brilliant fall color. Good for landscaping and wildlife. Seedling size: 2-0, 6-12”

***Sugar Maple:** Large tree 80-100 feet tall, moderately shade tolerant and slow to medium growing. Grows well on moist soils. Used for timber, landscaping and maple syrup production. Seedling size: 2-0, 6-12”.

***Burr Oak:** Slow growing on dry uplands and sandy plains. Reaches a mature height of 80-100 feet on better sites. Characteristics include a massive clear trunk, with a broad open crown of stout branches. Used for timber, lawn and street trees, shelterbelts, and wildlife food and cover. Seedling size: 2-0, 10-18”

***Red Oak:** Large tree 60-90 feet tall, prefers full sun, relatively fast growing. Grows best on well drained soils. Valued for timber, wildlife and landscaping. Seedling size: 2-0, 8-12”.

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Determining seedling age:

To find out the age of a seedling, add the first and second numbers together. The first number is the number of years the seedling was in the nursery bed; the second number indicates the number of years in the transplant bed. The older the stock, the larger the root system and diameter of the stem. (3-1) is a four year old plant that has spent three years in a nursery bed and one year in a transplant bed.

***White Oak:** Large tree 45-80 feet tall, prefers full sun, slow growing. Grows well on well drained sandy loam to clay loam soils. A good ornamental or forest tree. Valuable for timber and wildlife. Seedling size: 1-0, 6-12”

***Quaking Aspen:** Aspen are fast growing trees that prefer sunny, open sites. Provides quick cover for wildlife such as grouse, turkey and deer. Grows to heights of 60-100’ and adapt to a wide range of soils. Seedling size: 1-0, 12-24”.

***Tulip Poplar:** Grows 60-100 feet, fast growing, prefers moist, fertile soil and full sun. Straight trunk, tulip shaped leaves and large yellow and orange flowers. Member of the Magnolia family. Used mostly for landscaping. Seedling size: 2-0, 6-12”.

Flowering Tree Pack: Wonderful combination of flowering trees for color in every season. This pack includes 2 of each of the following species: Roselow Crabapple, White Flowering Dogwood, European Mountain Ash, Washington Hawthorn, and Tulip Poplar. Seedlings are 6-12” in height and all species are well adapted to any well-drained, average garden soil.

Nut Tree Pack: For the nut lover in your life we have this special combination of trees. 3–Hazelnut, 2– Pecan, 3– Butternut, and 2– White (Carpathian) Walnut. A great tasting combination of nuts for you or the wildlife on your property. Seedlings are 6-12” in height and all species are well adapted to any well-drained, average garden soil.

Shrubs

American Mountain Ash: Grows 12-25 feet tall. Prefers moist soils. Small, white flowers in late May. Clusters of bright red berries in late summer. Fast growing. Excellent for wildlife. Seedling size: 2-0, 12-18”

***Arrowwood:** An upright growing shrub with fruit in late summer, often found growing along woodland borders and roadsides. The showy clusters of white flowers develop into dark blue berries that are relished by birds. Grows to 8-10 feet. Prefers well-drained soils and can tolerate

some shade. Seedling size: 2-0, 6-12”

Bayberry: Small tree to 35 feet with greenish-yellow flowers. Grows in rich well drained sand and swamps. Aromatic leaves remain through winter. Excellent food source for grouse, quail and pheasant. Seedling size: 2-0, 6-12”

***Buttonbush:** Large, spreading shrub, grows to 25 feet tall. White flowers in the spring, followed by yellowish fruit. Shade intolerant, grows well on wet sites. Good for screens and wildlife, attractive to butterflies. Seedling size: 2-0, 6-12”.

Sargent Crabapple: A compact, densely branched shrub, reaching up to 8 feet tall. Pink buds produce white flowers in mid-May; dark red fruit appears in the fall and lasts through the winter. Prefers sandy sites but does well on a wide variety of soils. Most often planted for windbreaks, wildlife food/cover, and living fences. Seedling size: 2-0, 12-18”

***Eastern Redbud:** Grows 12 to 24 feet tall. Moderately shade tolerant, slow growing tree. Grows well on many soils. Flowers appear in April-May, dark red petals. Used for landscaping due to its striking beauty when flowering in spring. Seedling size: 2-0, 12-18”.

***Elderberry:** Small, multi-stemmed shrub up to 12 feet tall. Prefers moist sites. Shade tolerant, but grows faster on sunny sites. Small white flowers in June –July, purplish black fruit in September-October. Valuable food for wildlife; fruits can be used for wine, pies and jellies. Seedling size: 1-0, 6-12”

Flowering Dogwood: Small tree 15-30 feet tall. Grows on various sites, but not in areas with high water table. Shade tolerant, slow growing. White flowers in May or June, red fruit in October. Good ornamental and wildlife shrub. Seedling size: 2-0, 12-18”

***Gray Dogwood:** Grows to 12 feet tall, often in large dense multi-stemmed clumps. Moderately shade tolerant, found in dry to wet soils. Forms large rounded clumps. Easily transplanted,

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tolerates many soils. Used for landscaping, hedges, wildlife food and cover. *Use as an alternative to Autumn Olive and Tartarian Honeysuckle.* Seedling size: 1-0, 6-12"

***Pagoda Dogwood:** A small tree 12-24 feet tall, shade tolerant understory species in beech-maple forests. Tolerates relatively high water table and organic soils. Not for dry, droughty sites. Slow growing. Seedling size: 2-0, 6-12"

***Red-osier Dogwood:** Grows 3-9 feet tall. Older twigs have a red to purplish-red color that remains all year creating attractive winter interest. Used for Landscaping, stream bank restoration, and wildlife food and cover. Seedling size: 1-0, 6-12"

***Silky Dogwood:** Small, multi-stemmed shrub growing to 10 feet. Prefers full sun, grows on wet sites and a variety of soils. Yellowish-white flowers in spring, has a blue fruit in early fall. Valuable for landscaping, windbreaks and wildlife. Seedling size: 2-0, 10-16"

***Hazelnut:** This small, erect shrub grows to approximately 9 feet tall with a low rounded crown. Characteristic of open dry or moist situations, along fence rows, edges of woods and old fields. Intolerant of shade. Great wildlife food source, nuts can be harvested in early autumn for human consumption. Seedling size: 2-0, 6-12"

***Highbush Cranberry:** Grows 4-10 feet tall, prefers moist sites. Will tolerate some shade, produces clusters of white flowers followed by red fruit, which birds will eat in the winter. Excellent wildlife plant. Seedling size: 2-0, 6-12"

***Juneberry (Serviceberry):** A small tree 15-30 feet tall, grows in sun or shade. Prefers sandy soils. White flowers, some of the first to appear in the spring. Red berries in June. Excellent for wildlife. *Use as an alternative to Autumn Olive and Tartarian Honeysuckle for wildlife plantings.* Seedling size: 2-0, 6-12"

Lilac: A large shrub that produces abundant clusters of aromatic flowers in the spring. Will tolerate a wide range of soils, but needs full sun for optimum flowering. Used in landscaping, can use for privacy screen. Seedling size: 1-0, 6-12"

***Nannyberry:** Grows to 20 feet, prefers wet sites, but will grow on drier sites. Fast growing plant is shade tolerant. Has white flowers in May-June followed by blue fruit in September. Fruit is eaten by songbirds, pheasants, deer, rabbits and more. Used for wildlife and wetland landscaping. Seedling size: 2-0, 6-12"

***Ninebark:** Spreading shrub 6-10 feet tall. Medium to fast growth. Small white or pinkish flowers. Grows on most sites, including dry or acid soils in full sun or partial shade. Good for borders, screens and wildlife plantings. Seedling size: 1-0, 6-12"

***Sand Cherry:** Fast-growing 3-6 feet tall. Tolerant of most sites, avoid shaded areas. The plump, round cherries are mature when they turn a deep blackish purple. The fruits are edible and are used in jams and jellies; also a favorite wildlife food. Seedling size: 2-0, 6-12"

Will my wildflowers grow the first year I plant the seed?

In designing a native wildflower garden, it's important to know that you probably won't be able to transform your yard overnight. Many wildflowers spend most of the energy in the first couple of years establishing a healthy root system. Weed your garden and be patient for the first year or two while your plants are getting established.

Recycled Cotton Canvas Tote bags

Price \$10 each

Show your support for the Muskegon Conservation District when you use your new recycled cotton canvas tote bag. These versatile bags are 19" wide by 15.5" tall with a 5.5" gusset and 22" handles.

Very useful at the grocery store, library, carrying bulky items and when going to the beach.

Grasses and Wildflowers

Beach Grass

Price \$12/ bundle

Bundles of 100 plants are great for erosion control on sand. Space plants 12" apart. These grasses take about a month to assimilate to their new location and begin new growth.

Bulk Native Wildflower Mix Price **\$5/oz** or **\$16/4 oz**

This Native wildflower mixture will create a beautiful, low maintenance landscape in full sun. Includes annuals and perennials for first year results and long-term blooms. One ounce covers 200 square feet.

Bulk Shady Wildflower Mix Price **\$3/oz** or **\$10/4 oz**

Use the Shady wildflower mixture to create a beautiful, low maintenance landscape in areas receiving less than four hours sun. Includes annuals and perennials for first year results and long-term blooms. One ounce covers 200 square feet.

Native Wildflower Mix- **\$3.50/packet**

Blooms May through October, attracts wildlife and will thrive when planted in soils from wet to dry, sand to clay. 3.5 grams-covers 30-50 square feet

***MI Native Songbird Meadow Mix-** **\$3.00/packet**

Easy to grow mixture of popular perennials and annuals will attract a variety of songbirds all season. Makes a good natural birdfeeder! 3.5 grams-covers 30-50 square feet

***MI Native Butterfly Mix-** **\$3.00/packet**

Colorful wildflowers that are easy to grow and bloom quickly from spring through summer. Enjoy the beauty of butterflies all season long. 3.5 grams-covers 30-50 square feet

Native Sandscape Mix- **\$3.50/packet**

For sandy soils and full sun (minimum of 6 hours per day). Contains blooms of various heights and colors. 3.5 grams-covers 30-50 square feet

***Black-eyed Susan-** **\$2.50/packet**

Bright gold wildflower that blooms all summer and fall. Grows both in moist and dry prairies and old

fields. Popular food source for butterflies. 1.75 grams-covers 15-25 square feet

***Columbine -** **\$4.00/packet**

Plants bear delicate and graceful 1.5 – 4 inch flowers in a wide range of colors that will compliment any garden. Ideal in beds, borders, rock gardens, and in "wild" gardens. Plants grow to 2-1/2 feet tall. Grows in very light shade and well drained soil. 1.75 grams-covers 15-25 square feet

***Coreopsis-** **\$2.50/packet**

Beautiful bright gold wildflower with kelly-green foliage. Flowers from May to July. Goldfinches flock when this plant goes to seed in the fall. 1.75 grams-covers 15-25 square feet

***Monarda Bee Balm-** **\$2.50/packet**

Lilac-colored flower is attractive to hummingbirds, butterflies and bees. Grows vigorously in full or partial sun, midsummer blossoms. 1.75 grams-covers 15-25 square feet

***Butterfly Weed-** **\$3.25/packet**

Brilliant orange flowers are very attractive to butterflies. Prefers full sun, grows on all but the wettest soils. Reaches 3 feet in height. 1.75 grams-covers 15-25 square feet

Dahlia bulbs Price **\$2.50/package**

Three bulbs per package. Mixed colors.

Daylilies Price **\$0.35 each**

Plants have one to two fans. Mixed colors.

Hosta plugs Price **\$0.75 each**

Selection is a mixture of variegated and solid varieties.

Tree Planting Products

"Trees Planted" Sign Price **\$1**

Protect your investment with these orange, aluminum signs. "Trees Planted—Keep Off"

Tree Planting Bars Price **\$23**

Heavy, metal bar with straight blade footstep. Makes quick work of seedling planting.

Terra-Sorb Planting Gel Price \$2/oz

A naturally-based super absorbent gel. Absorbs 200 times its weight in water and adheres to seedling roots to keep moist during planting. Mix with water in a large bucket and dip roots. Each ounce will cover up to 500 seedlings.

Plantskydd Animal Repellant Price \$20

Available in 1 quart pre-mix solution or 1 pound soluble powder. The active ingredient in Plantskydd Animal Repellant is dried blood. It fools the deer in to thinking there is a predator in the area. This stimulates the fear response which will have them looking for alternative places to dine. The vegetable oil binder makes it stick tenaciously to plant material and protects dormant plants for up to 6 months over winter.

Tree Shelters See Price List for prices

Protect your new seedlings from browse damage caused by deer, mice and rabbits. These shelters are sold in packs of 5 and are available in 2' and 3' heights.

Vinyl Marking Flag Price \$0.10

Protect your newly planted seedlings by marking their location with these high visibility marking flags. Flags are 2.5" by 3.5" on a 30" wire stake.

Wildlife Homes

Bluebird House (Troyer's Sparrow resistant) Price \$15

Troyer's Sparrow-resistant bluebird house is designed to deter the sparrow from using the house due to the small size of the interior. The slotted opening allows room for the bluebirds to escape should there be a need. The eastern bluebird prefers open grasslands where it eats lots of insects. Buy the houses in pairs to prevent competition with swallows. Constructed with pine.

Bluebird House (Peterson Style) Price \$25

More traditional style bluebird house constructed of rough sawn cedar. Opening is an oval shape.

The eastern bluebird prefers open grasslands where it eats lots of insects.

Wood Duck House Price \$50

Made of cedar, this wood duck house will last for many years. Attach to a tree or post over water or near the water's edge. Wood ducks build their nest 10-20 feet in the air.

Bat House Price \$35

Bats consume millions of flying insects every summer, and are also helpful in pollinating numerous plants and trees. This house has a screen mesh for bats to roost on; large enough to house a small colony of bats. Cedar.

Books for Sale

Birds of Michigan Price \$13

This book is packed with beautiful color photographs of the 111 most common bird species in Michigan. Alongside each photograph is a full description of the bird, nesting habits and food preferences. 269 pages.

Lakescaping for Wildlife and Water Quality Price \$16

Learn how to plan and plant a natural landscape along lakeshores, rivers, streams and wetlands. Includes techniques to restore wildlife habitat, wildflowers and clean water. Color pictures and illustrations. 176 pages.

Landscaping for Wildlife Price \$15

Provides both theory and specific ideas and plans for enhancing wildlife habitat on a variety of sites. Includes information on attracting butterflies, songbirds, deer and more. 148 pages, color.

Michigan Wildflowers in Color Price \$19

This spectacular and informative guide features 278 wildflowers found in the meadows, woods, dunes shores, and wetlands of Michigan. Each color photograph is coupled with a detailed description. 144 pages.

Trees of Michigan

Price \$13

Contains full-page color photos of 105 species, only Michigan trees, with corresponding full page descriptions. Includes a height comparison feature, shows average tree height next to a two story house. 220 pages.

Wild About Birds

Price \$20

A comprehensive guide to feeding, housing, attracting and identifying wild birds. Great reference book with over 400 color photos, diagrams and illustrations. 278 pages.

Wildflowers of Michigan

Price \$17

Full-page photos and descriptions to 200 of Michigan's wildflowers. Organized by color and

size, easy to read format for quick and accurate identification. 412 pages

Woodworking for Wildlife

Price \$13

Learn how to construct houses for birds and mammals with this book. Contains 185 color photos and detailed instructions and designs for 28 different structures. 112 pages.

Due to the nature of the stock and the variables in handling and planting, there is no guarantee on these items. Trees purchased from the Conservation District cannot be resold with roots attached (P.A. 189 of 1939). The Conservation District is not liable for any direct, indirect, special incidental or consequential damages incurred or claimed by the customer.

.....
Planting Tips

Site Selection

Trees, shrubs and other plants come in a variety of shapes and sizes and all grow best under certain site conditions. You need to consider the soil type, moisture levels, and the amount of sunlight and space available for the chosen planting site. Then choose a species that will grow well in those conditions.

- Avoid planting trees in the following situations: within 50 feet of septic drain fields.
- within 10 feet of buildings or 20 feet of overhead wires.
- where they will obstruct the view of nearby intersections.

Site Preparation

Eliminating competition from the planting area will greatly increase the survival and growth of new seedlings. Site preparation can be done mechanically or chemically. The most effective method of control may be to apply an herbicide during the late summer or early fall of the year prior to planting.

Plant Care

The roots of all bare root stock **MUST** be kept wet.

If the roots are allowed to dry out, the seedlings will be dead before they are planted. **Tip:** Keep plants covered while planting. It only takes a minute for roots to dry out, especially on windy or sunny days.

Store plants in a cool, dry place until they can be planted. If planting cannot be done in 1-2 weeks, dig a trench, unpack the plants, spread out the roots in the trench and cover the roots with soil. The plants can remain in these trenches until you are ready to plant them.

Planting Methods

Drive the blade of a shovel or planting bar into the soil and push the handle back and forth to create a "V" shaped hole. Insert the plant into the hole with the roots straight and about as deep as they were planted in the nursery bed. There should be a soil line on the stem of the plant. Push the soil back around the plant and pack it firmly.

Post-Planting Care

Water, water, water! The need for irrigation will depend on the rainfall and site conditions. If it is possible to get water to the plants, irrigate when the soil feels dry, or any time there is less than an inch of rainfall per week. Placing a few inches of mulch around the seedlings will help to hold moisture and reduce the need for watering.

MUSKEGON CONSERVATION DISTRICT

2006 SPRING SEEDLING SALE

940 N. Van Eyck Street
Muskegon, MI 49442
Phone: (231) 773-0008

COMPLETE YOUR ORDER FORM

Order Deadline is March 31, 2006.

Refunds or replacements will be offered for sold out stock. While we will make our best effort to satisfy every order, we cannot guarantee every order will be filled completely.

Your receipt will be mailed in April.

Orders of **\$100.00 or less** must be **paid in full** at time of order. Orders exceeding \$100.00 will require a 25% deposit at time of order. Balance is due at time of pick up.

PICK UP

Saturday, April 22; 9:00 am – 12:00 pm

Extra stock sold

Saturday, April 22; 1:00 pm – 3:00 pm

Monday – Friday, April 24-28; 9:00 am – 4:00 pm

No refunds will be given for orders not picked up by 4:30 pm, Wednesday, April 26, 2006.

Due to the nature of the stock and the variables in handling and planting, there is no guarantee on live plants. The Conservation District is not liable for any direct, indirect, special incidental or consequential damages incurred or claimed by the customer.

A full refund will be granted for orders cancelled by phone or letter prior to April 4, 2006. Orders cancelled after that date will be refunded the total of the order *less* a 25% service charge.

“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.”

Tax Exempt Certificate

All orders are subject to 6% Michigan State Sales Tax, unless exempt.

NOTE: Tree seedlings and shrubs sold for reforestation, erosion control, windbreaks, wildlife or landscaping are considered real estate improvement. And are subject to State Sales Tax.

The undersigned purchaser, being fully informed concerning the Michigan State Sales Tax Acts and their rules and regulations, hereby claims to be legally entitled to exemption from such taxes on purchases from the Muskegon Conservation District, 940 N. Van Eyck St., Muskegon, MI 49442, unless otherwise specified.

Name: _____ Date: _____

Tax Exempt Number: _____

<i>Please Print</i>	
LAST NAME _____	FIRST NAME _____
ADDRESS _____	CITY _____
STATE _____	ZIP _____
DAY PHONE _____	CHECK #S _____
NIGHT PHONE _____	OFFICE ORDER # _____

General Guidelines for Spacing

Tree Type	Spacing	# of Trees
Windbreaks:		
conifers	7' x 10'	15/100 feet
shrubs	6' x 10'	17/100 feet
Reforestation/Erosion Control:		
conifers	6' x 8'	908/acre
hardwoods	10' x 10'	435/acre
Christmas Trees:		
all types	5' x 5'	1750/acre
all types	6' x 6'	1210/acre



"The purpose of conservation: The greatest good to the greatest number of people for the longest time."

-**Gifford Pinchot**, first Director of the U.S. Forest Service

Now, you may think that a gift from one or two in the community would not make much of a difference, but that gift, when combined with the generous contributions of others, can mean another year of outdoor classrooms, more resources for wetland restoration, better education on protecting our watersheds, stormdrains and soil from pollution and contaminants.

YES! I WANT TO SUPPORT THE
MUSKEGON CONSERVATION DISTRICT

FRIEND	\$ 25
DONOR	\$ 50
PATRON	\$ 100
SPONSOR	\$ 500
BENEFACTOR	\$1,000
OTHER	\$ _____

Make checks payable to Muskegon Conservation District

MUSKEGON CONSERVATION DISTRICT 2006 SPRING TREE & SHRUB SEEDLING SALE

- **Order Deadline is March 31, 2006.**
- Orders will be filled in the order in which they are received.
- Refunds or replacements will be offered for sold out stock. While we will make our best effort to satisfy every order, we cannot guarantee every order will be filled completely.
- Orders of **\$100.00 or less** must be **paid in full** at time of order. Orders exceeding \$100.00 will require a 25% deposit at time of order. Balance is due at time of pick up.
- **No refunds** will be given for orders not picked up by 4:30 pm, Wednesday, April 26, 2006.
- **PICK UP Saturday, April 22 9:00 am – 12:00 pm**
- **Extra stock sold Saturday, April 22 1:00 pm – 3:00 pm**
Monday – Friday, April 24-28 9:00 am – 4:00 pm
- Due to the nature of the stock and the variables in handling and planting, there is no guarantee on live plants. The Conservation District is not liable for any direct, indirect, special incidental or consequential damages incurred or claimed by the customer.
- You are responsible for checking your order for completeness at time of pick up. A table is provided for your convenience. Once your order has been taken to your vehicle we are no longer liable for missing items.
- A full refund will be granted for orders cancelled by phone or letter prior to April 4, 2006. Orders cancelled after that date will be refunded the total of the order *less* a 25% service charge.

"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."

ANNUAL REPORT - 2005

The Muskegon Conservation District is a unique governmental subdivision of the state created to serve as stewards of our natural resources. The Conservation District provides site-specific, technical assistance and information to landowners in all aspects of resource management. The guiding philosophy is that local people should make decisions on conservation issues at the local level, with technical assistance provided by local resource professionals. The Muskegon Conservation District was formed in 1938, and remains active to this day - helping you to restore, protect and manage natural resources. District projects and programs are as diverse as the landscape and are continually changing to meet the environmental challenges in communities.

WATERSHED PROJECTS

Mona Lake
Bear Lake / Creek
White Lake / River
Muskegon Lake / River
Duck Lake / Creek

RESTORATION PROJECTS

Stream Habitat Restoration
Native Landscaping
Shoreline Restoration
Rain Garden Designs
Sand Dune Stabilization
Native Plant Sales

EDUCATIONAL PROJECTS

Outdoor Classrooms
Youth Conservation Tours
Hands-on Ecology
Storm Drain Stickers
Purple Loosestrife Project
Adopt-A-Watershed
Coastal Clean-up

TECHNICAL SUPPORT

Lake Ecology Management Plans
Farmland Preservation
Natural Area Preservation
Permitting Site Visits and Reviews
Forest Management Plans



**Board of Directors
for the 2005
Fiscal Year**

(pictured left to right)

Joe Slater
Chairman

Reatha Anderson
Member

E. Paul Schroeder
Secretary

Marilyn McNitt
Vice-Chairman

Bob Cutler
Treasurer

The Muskegon Conservation District is recognized both locally and nationally as a leader in conservation! In 2005, the District was honored by the National Association of Conservation Districts and received the "Diversity Award" for its efforts to continually improve outreach and increase conservation for inner-city students, families, and organizations. The District's Chairman, Joe Slater, was also honored by the Michigan Association of Conservation Districts as "Director of the Year" for his 25 years of service to Muskegon, as well as Districts throughout the state, having served on state, regional, and national committees.

ANNUAL HIGHLIGHTS

- Purchased and moved into new office at 940 N. Van Eyck St.; and working on renovations for Kiskey Learning Center
- Worked with the Farmland and Open Space Committee to get a Farm Preservation Ordinance passed for Muskegon County
- Initiated the Muskegon Conservation District Annual Fund to initiate funding for new projects and programs in the county
- Finalized the Muskegon Lake AOC Project which restored shoreline habitat and mitigated stormwater impacts at 3 sites surrounding Muskegon Lake
- Started Implementation of the Bear Creek Watershed Plan which is restoring several streambank and road-crossings throughout the area
- Completed the Mona Lake Nutrient Outreach project in conjunction with GVSU's Water Resources Institute
- Working with the Mona Lake Watershed Council to implement 3 demonstration projects in that watershed
- Provided 5 Farm-A-Systs, 5 Home-A-Systs, 4 Crop-A-Systs, 2 Lake-A-Systs to landowners throughout the county
- Performed 10 MAEAP Farmstead Verifications and 10 MAEAP Cropping Verifications in the county
- Completed the White Lake Shoreline Habitat Study and updated the White Lake Remedial Action Plan
- Initiated the Duck Lake Watermilfoil Project which is educating local residents about exotic species and control
- Provided educational programs to over 7,500 students

Statement of Revenues, Expenditures, and Other Financing Sources For the Year Ending September 30, 2005

REVENUES		EXPENDITURES	
Bear Creek Project	\$37,340	District Operations	\$138,472
Operations Grant	\$27,700	Conservation Materials	\$11,950
AmeriCorps	\$500	Professional Services	\$6,892
Forestry Assistance	\$49,560	Annual Meeting	\$1,241
Muskegon Lake AOC	\$84,460	Special Projects	\$2,508
Muskegon River	\$10,153	Forestry Assistance Program	\$47,213
Hilts Landing / Stormwater	\$3,394	Muskegon River	\$11,307
White Pines Project	(\$1,832)	Bear Creek Project	\$27,035
Tree Sales	\$49,325	Reforestation Services	\$14,109
CFFMC Fund	\$65,000	Cedar Creek	\$576
Appropriations	\$19,100	Hilt's Landing / Stormwater	\$6,588
Landowner Cost Share	\$1,797	Muskegon Lake	\$86,674
Other Charges & Services	\$5,515	<i>Total Expenditures</i>	<i>\$354,565</i>
Interest	\$4,360		
Rent	(\$72)		
Refunds / Reimbursements	\$624		
Contributions	\$60		
Other / Miscellaneous	\$7,864		
<i>Total Revenues</i>	<i>\$364,848</i>		

*Information taken from Fiscal Year 2005 Audit
(October 1, 2004—September 30, 2005)*

The Muskegon Conservation District would like to thank Reatha Anderson for her service on the Board of Directors. Also leaving the District this past year were 3 staff members whose time and talents will be missed; Tony Jarvis, Jennifer Christensen, and Joel Whalen. In the wake of all this change Rob Stein was hired on as the agricultural (MAEAP) technician; and then in the fall, Ted Stojak of Montague, MI was elected to the Board of Directors to serve a 4-year term. A much appreciated thanks to all those leaving and warm welcome and congratulations to everyone joining us.

SPECIES AVAILABLE IN 2006

Conifers- Red Cedar, White Cedar, Balsam Fir, Concolor Fir, Douglas Fir, Fraser Fir, Canadian Hemlock, Jack Pine, Red Pine, White Pine, Blue Spruce, Norway Spruce, White Spruce, Tamarack .

Hardwoods- American Chestnut, Yellow Birch, White Birch, Black Cherry, Black Walnut, Red Maple, Sugar Maple, Burr Oak, Red Oak, White Oak, Quaking Aspen, Tulip Poplar.

Shrubs- American Mountain Ash, Arrowwood, Bayberry, Buttonbush, Sargent Crabapple, Eastern Redbud, Elderberry, Flowering Dogwood, Gray Dogwood, Pagoda Dogwood, Red Osier Dogwood, Silky Dogwood, Hazelnut, Highbush Cranberry, Juneberry, Lilac, Nannyberry, Ninebark, Sand Cherry

ORDER DEADLINE IS MARCH 31, 2006!

Tree Pick Up

Saturday April 22, 2006 9:00 am—12:00 pm

Extra Stock Sold

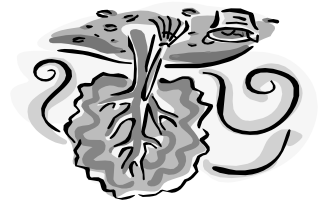
Saturday April 22, 2006 1:00 pm—3:00 pm

Monday—Friday, April 24-28 9:00 am—4:00 pm

Pick Up Location

Muskegon Conservation District office located at 940 N. Van Eyck St., Muskegon, MI 49442. Call 231-773-0008 for directions.

To receive a FREE catalog or to be placed on the mailing list please call 231-773-0008



Postmaster—Please deliver to addressee or current resident.

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940 N. Van Eyck St.
Muskegon, MI 49442
Phone : 231-773-0008

