

Kalamazoo Conservation District

2012

NATIVE TREE & SHRUB SEEDLING SALE

ORDERS DUE MARCH 30

Quantities are limited! Place an order on the enclosed form to ensure availability. "Extras" will be offered at the tree sale dates listed below.

Pick up your order or buy our "extra" seedlings on:

- **Thursday, April 19th**
9 am to 6 pm
- **Friday, April 20th**
9 am to 4 pm

Kalamazoo Conservation District Office
1911 West Centre Avenue
Portage, MI 49024

Phone: (269) 327-1258 Ext. 4

Fax: (269) 327-2456

More information online at:

www.kalamazooconservation.org



NEW!

**Pagoda Dogwood
Blue Beech
Balsam Fir
Ironwood
Blackhaw
& More!**

LOOK INSIDE
for details on
free well water testing, our
annual meeting &
conservation programs

KALAMAZOO CONSERVATION DISTRICT

Board of Directors

Ed Cagney
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Melanie Stoughton
Karen High
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District Staff

Kathy Buckham
Executive Director

Linda Zabik
MAEAP Technician

Contact Us

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Portage, MI 49024
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Who we are

The Kalamazoo Conservation District, organized in 1947, provides guidance to land owners interested in natural resource conservation. We promote sustainable practices that are beneficial to the health of our community.



TOP 10 REASONS TO SUPPORT OUR NATIVE TREE & SHRUB SEEDLING SALE

1. Kalamazoo County needs more trees! Development, wind & ice storms, and diseases have taken their toll on this important natural resource.
2. Whether your neighborhood is urban, suburban, or rural, trees add to its beauty and character.
3. Trees and shrubs planted along lakes and streams will improve water quality and prevent erosion.
4. Trees improve our air quality by filtering out pollutants and providing us with oxygen.
5. Native plants (they grew here before settlement occurred) are well-suited to our unpredictable Michigan weather. They will thrive without added chemicals or water (once established.)
6. Native plants offer the best food (berries, nuts, seeds, flowers) and habitat for wildlife.
7. To encourage biodiversity, we're offering several new plants. Give them a try!
8. Tree and shrub seedlings are an economical way to plant, whether your property is large or small.
9. Trees are a great way to celebrate Earth Day! Buy enough to share with friends, scout groups, etc.
10. The Seedling Sale is our primary fundraiser for the year. Proceeds pay for conservation programs offered throughout the year.

FREE WELL WATER SCREENING

Bring your well water sample to be screened for nitrates on **Thursday, April 19, 2012 between 9 am and 5 pm**. This free service is sponsored by the Kalamazoo Conservation District and the Michigan Agriculture Environmental Assurance Program (MAEAP). Screening is open to everyone who uses a private well for drinking water; however, the number of samples that can be tested is limited. Bring your sample to the tree sale tent located at our office at 1911 West Centre Ave. in Portage. Additional information and forms are available at www.kalamazooconservation.org or call our office at 269-327-1258 x 4.

EVERGREENS

***Balsam fir** (*Abies balsamea*) A fragrant Christmas tree and beautiful ornamental. Good for wildlife habitat. 30-50' tall, 25' wide. Prefers part shade to sun. Cool, moisture-retentive soils.

***Canadian hemlock** (*Tsuga canadensis*) Beautiful and fine-textured, your best bet for an evergreen tree in a shady area. Host plant for over 90 butterfly & moth species. 40-60' tall, 30-50' wide. Prefers cool, moist, well-drained acidic soils.

***White cedar** (*Thuja occidentalis*) Excellent evergreen for screening and windbreaks. Also provides good habitat for many species of wildlife. 30-50' tall, 30' wide. Does best in full sun to part shade with moist soils.

Colorado blue spruce (*Picea pungens*) This popular ornamental with blue-green needles is useful as a specimen or screen. 80' tall, 15-25' wide. Prefers rich, moist soils with full sun to very light shade.

Norway spruce (*Picea abies*) A large evergreen tree, often planted as an ornamental and for timber, pulpwood, windbreaks and wildlife. Grows well on most sites, including well-drained sandy soils. Relatively trouble free. Can reach 40-60' tall, 30' wide.

***White spruce** (*Picea glauca*) Another large evergreen tree, good for screening, windbreaks, and background plantings. 40-60' tall, 40' wide. Prefers full sun and well-drained, slightly acid soils.

***White pine** (*Pinus strobus*) State tree of Michigan and a trouble-free evergreen. Long, soft needles. Good for screening, windbreaks. Transplants easily. 60-100' tall, 50' wide. Prefers full sun and fertile, well-drained soils.

SHADE TREES

***Black walnut** (*Juglans nigra*) A beautiful shade tree, best suited to large sites. Good for timber, nuts, and wildlife. Black walnut is highly prized for its dark-colored, true heartwood. 50-75' tall, 50' wide. Prefers full sun and rich, well-drained soils.

***Bur oak** (*Quercus macrocarpa*) If you have enough space, plant oaks! Perhaps the most important tree for wildlife, oak trees host over 530 species of butterflies & moths. 50-80' tall, 80' spread. Tolerant of a variety of moisture and soil conditions, adapts well to urban settings. Prefers full sun.

* **White oak**, (*Quercus alba*) Like the Bur oak, above, White oaks are beautiful and valuable to wildlife. 50-75' tall, 40-60' wide. Prefers full sun and fertile, acidic, heavy soils. Also tolerates thin soils and dry conditions.

***Eastern redbud** (*Cercis canadensis*) Most widely known for beautiful pink-lavender flowers appearing along the branches in spring, Redbud offers color and interest all year round. Yellow fall foliage. 15-30' tall, 20-25' wide. Full sun to light shade. Will grow in a variety of soils, but does best in moist sites.

***Ironwood** (*Ostrya virginiana*) A small, tough tree, good for tight spaces where most shade trees would grow too large. Clean, disease-free foliage will provide good summer shade. Resistant to ice and wind damage. 20-40' tall, 20-30' wide. Grows in a variety of soil types except waterlogged soils. Sun to light shade.

***Quaking aspen** (*Populus tremuloides*) A fast growing tree that provides cover for deer and songbirds. Valued for its pulpwood. Golden yellow fall color. 40-65' tall, 20-30' wide. Does best in full sun, wet or dry soils.

***Red maple** (*Acer rubrum*) A good shade, lawn, or street tree, and an important early spring nectar source for honey bees and other insects. Leaves are green until fall, when they turn a beautiful red. 40-65' tall, 45' wide. Sun to light shade. Tolerant of urban conditions and poorly drained soils.

***Sugar maple** (*Acer saccharum*) A beautiful shade tree with brilliant reds, oranges and yellows in autumn. Plant a few to make your own maple syrup some day. 50-80' tall, rounded canopy. Prefers moist, fertile, well-drained clay to loam soils.

***Tulip poplar** (*Liriodendron tulipifera*) Another great tree if you have the space. This tall shade or specimen tree is a fast grower. Gets its name from greenish-yellow and orange flowers that resemble tulips. Yellow fall foliage. 75-100' tall, 35-50' wide. Prefers deep, rich, well-drained soils in full sun.

*denotes Michigan native plant.

SMALL TREES AND SHRUBS

- ***Pagoda dogwood** (*Cornus alternifolia*) An excellent landscape plant. Grow as a single or multi-trunked specimen, as an understory shrub or an entry or patio tree. Gets its name from its horizontally layered branch structure. Creamy white flowers in spring with small blue-black berries appearing in summer. The fall foliage is a deep burgundy. 20-25' tall and wide. Does best in part shade, requires ample soil moisture.
- ***Shadblow serviceberry** (*Amelanchier arborea*) This multistemmed shrub offers beauty to your yard year round. White flowers in spring, berries in summer, and excellent fall color. Prized as a wildlife shrub, it provides an early spring nectar source for bees and butterflies. 20-25' tall and 15-20' wide. Full sun or part shade, moist, well-drained soil.
- ***Blue beech** (*Carpinus caroliniana*) A small tree or shrub with attractive blue-grey bark and beautiful orange to reddish purple fall foliage. Nutlets are an excellent source of food for wildlife. 20-25' tall, 12-18' wide. Part shade or sun but tolerates full shade. Moist, fertile soil preferred but tolerates drier conditions.
- ***American hazelnut** (*Corylus americana*) Good for naturalizing, screening, and massing at the sunny edges of woodlands. Edible nuts attract wildlife, and leaves are a host plant for many butterflies and moths. 10' tall and 6' wide. Full sun to light shade. Adapts well to a range of soil pH and types, but does best on well-drained loams. Easy to transplant and grow.
- ***Blackhaw viburnum** (*Viburnum prunifolium*) A large shrub or small tree with beautiful foliage and creamy white flowers. An ornamental shrub, also good for privacy hedges and a good source of food for wildlife during the fall and winter. 12' tall and wide, can be pruned as a small tree.
- ***Button bush** (*Cephalanthus occidentalis*) Fragrant, late summer flowers grow in clusters of white balls the size of a ping pong ball. Excellent wildlife habitat and source of food for butterflies and bees. Bright red fruits are enjoyed by birds. 3-8' tall and 3-6' wide. Full sun to light shade. Grows well in wet areas, good for naturalizing along ponds and lakes.
- ***'Konza' Fragrant sumac** (*Rhus aromatica 'Konza'*) This dwarf sumac requires little maintenance and will cover the ground quickly. Red fruits may persist into winter and are an important food source for mammals and birds. Bright red to yellow fall foliage. 2-4' tall, 4 -6' wide. Full sun to part shade. Prefers average soil moisture, drought tolerant.
- ***Nannyberry viburnum** (*Viburnum lentago*) Attractive shiny foliage, creamy white flower clusters in early May, brilliant red fall color and fruit display. A wonderful tree for landscaping and wildlife habitat. 10-20' tall. Full sun to deep shade.
- ***Red-osier dogwood** (*Cornus sericca*) Distinctive red twigs provide winter interest and are best viewed with an evergreen background. White flowers are followed by white berries and dark red fall foliage. Good for shrub borders, screening and hedges. 10-12' tall. Sun to light shade. Prefers moist soils.
- ***Silky dogwood** (*Cornus amomum*) Attractive landscape shrub in wet places; easily transplanted; excellent choice for wildlife habitat improvement, providing both food and cover. Prefers moist to wet soils, will grow on somewhat drier sites. 6-10' tall and wide.
- ***Spicebush** (*Lindera benzoin*) Sometimes called the "forsythia of the woods" because of the timing and color of its yellow spring flowers. Many birds enjoy the bright red fruits that follow on female plants. If in at least partial sun, fall foliage will be bright yellow. 6-12' tall and wide. Full sun to shade; an excellent choice for filling in those shady spots. Prefers moist soil but will tolerate drier soils. Spicebush swallowtail butterflies might pay a visit to lay their eggs!
- ***Witchhazel** (*Hamamelis virginiana*) A great shrub for the woodland garden or shrub border. Blooms in fall, so is good for late season pollinators. Beautiful yellow fall foliage. 10-12' tall and wide. Sun or part shade. Prefers moist soil but tolerates dry, shady conditions.
- *denotes Michigan native plant.

BERRIES

Aurora blueberry: Highbush type blueberry cultivar. Ripening date early September. Fruit size is medium, approximately 75 berries per cup. The fruits are of high quality and are known to store for long periods. Height is 4-5'.

Blue Jay blueberry: Highbush type cultivar. Ripening date mid July. Fruit size is medium to large with 76 berries per cup. Quality of berry is firm. The fruit is pleasantly mild and only slightly tart. 5-7' height.

Duke blueberry: Highbush type blueberry cultivar. Ripening date is early July. Small fruit size with a good color and firm skin. Most desirable for eating fresh. 4-6' height.

Autumn Britten red raspberry: A fall bearing red raspberry cultivar. Bearing superior crops over most other fall bearing cultivars. Deep red fruits are solid and very tasty.

TREE PACKS

Urban small tree and shrub pack: Assorted pack of line-safe trees and shrubs chosen for their foliage color & fruiting. Substitutions may be made by customer based on availability. Pack of 12 trees & shrubs.

Wildlife shrub pack: Assorted pack of shrubs chosen for their wildlife habitat and food value. Substitutions may be made by customer based on availability. Pack of 12 shrubs.

Hardwood pack: Assorted pack of hardwood trees noted for their timber and reforestation value. Species will do well in most soil types. Pack of 10 trees.

DEER AND CRITTER REPELLENTS

Plantskydd granular: Rabbit and small critter repellent. 100% organic and biodegradable. Safe for use in protecting fruit, vegetables and other food crops. Covers approx 600 sq.ft.

Plantskydd pre-mix spray: Protects approximately 100 plants 1 ft. high. Spray and allow to dry for several days for best results. Lasts for up to 5 months under normal rain – dry conditions.

Plantskydd powder: Protects approx. 200-300 plants/seedlings when sprayed with solution and approx. 300-400 plants/seedlings when plant dipped in solution. Best Value for your \$\$.

Terra sorb tree planting gel: 1 oz pack of tree gel that will coat the roots of approx 250-500 trees. Holds moisture and increases viability of seedlings under dry conditions.

BOOKS

BIRDS OF MICHIGAN GUIDE BOOK 272 pages, full-color photographs.

BRINGING NATURE HOME: How You Can Sustain Wildlife and Native Plants. Douglas Tallamy.

BUTTERFLIES OF MICHIGAN FIELD GUIDE 378 pages, full-color photographs.

FRUIT TREES IN SMALL SPACES Colby Elerman. 256 pages, color photos.

LANDSCAPING WITH NATIVE PLANTS OF MICHIGAN by Lynn Steiner.

MICHIGAN TREES: A Guide to the Trees of Michigan and the Great Lakes Region. 448 pages, b&w illustrations.

MICHIGAN WILDFLOWERS IN COLOR 144 pages, full-color photographs.

USING NATIVE PLANTS TO RESTORE COMMUNITY In Southwest Michigan and Beyond. Nancy Cutbirth Small and Tom Small, co-founders of the Kalamazoo Area chapter of Wild Ones. 237 pages, b&w illustrations.

2007 KALAMAZOO COUNTY PLATBOOK



MICHIGAN AGRICULTURAL ENVIRONMENTAL ASSURANCE PROGRAM

Farms in Kalamazoo County that successfully balance production and environmental demands may be qualified to become MAEAP verified. The program includes a Farmstead System, Cropping System, Greenhouse System and Livestock System, with each system focusing on a different aspect of the farming operation. The Farmstead assessment addresses environmental risks of the entire farmstead, from safe fuel handling to proper storage of fertilizers and pesticides. The Cropping assessment focuses on environmental issues related to cropping activities, such as irrigation and water use, soil conservation, and nutrient and pest management. The Livestock assessment primarily focuses on environmental issues related to livestock activities including manure handling, storage, and field application as well as conservation practices to protect water and prevent soil erosion. The Greenhouse System is based on an environmental risk assessment tool suited to the unique aspect of greenhouse production.

A few important things to mention: MAEAP is voluntary, MAEAP is confidential, and there is no cost to farmers to participate. **Please call Linda Zabik, MAEAP Technician, at the Kalamazoo Conservation District office at 269-327-1258 ext. 4 or email her at linda.zabik@mi.nacdnet.net to start the MAEAP process.**

DO YOU HAVE A CONSERVATION PLAN? A FOREST MANAGEMENT PLAN?



Contact the Kalamazoo Conservation District or the Natural Resources Conservation Service (NRCS) field office for more information on conservation assistance available through Farm Bill programs. Jean Gagliardo, NRCS District Conservationist for Kalamazoo County, can help you develop a conservation plan and determine whether NRCS conservation programs can benefit you. **This assistance is available to farmed land, forested**

NRCS programs are designed to prevent soil loss due to erosion, protect water and air resources, and establish and preserve wildlife and fish habitat. NRCS provides technical assistance to improve conservation on private land and can sometimes provide financial assistance for implementation. The first step in working with NRCS is to develop a Conservation Plan. Funding may also be available to develop a Forest Management Plan and to implement forestry practices. **Jean can be reached y phone at (269) 327-0696 or by email at jean.gagliardo@mi.usda.gov**



MICHIGAN WATER STEWARDSHIP PROGRAM

The Kalamazoo Conservation District partners with the Eaton Conservation District and Michigan Department of Agriculture and Rural Development (MDARD) to promote an interactive website and online training program for the Michigan Water Stewardship Program (MWSP) targeting residential audiences statewide. The website provides environmental stewardship information for three primary audiences: **1 - Adults/Homeowners** – free online training courses. **2 - Youth/Students** – fun activities, games and videos, and **3 - Educators** – presentations, lesson plans & MORE. Visit www.miwaterstewardship.org and share with your students, friends, and family!

“OSHTEMO FRIENDS OF THE PARK” TO EXTEND TREE SALE

New this year! Pick up your tree seedling order or buy our "extra" seedlings on Saturday, April 21st from 9 am to 1 pm at Oshtemo Township Park, 7275 West Main Street. This extended sale is sponsored by the Oshtemo Friends of the Park to encourage tree planting. If you'd like to pick up your seedlings at Oshtemo Township Park on Saturday rather than at the Kalamazoo Conservation District office on Thursday or Friday, please contact us at (269) 327-1258 ext. 4. We'll make arrangements to transport your order to Oshtemo so that it is ready for pick-up.



2012 KALAMAZOO CONSERVATION DISTRICT ANNUAL MEETING

You are invited to attend our Annual Meeting on Wednesday, March 21, 2012 at 6:00 pm at the Texas Township Hall, 7110 W. Q Ave. Kalamazoo, MI. Our guest speaker for the evening will be Julie Doll of the Kellogg Biological Station, Michigan State University.

The topic will be **Climate change and agriculture: why talk about it?** Any changes in our climate can affect Michigan's agriculture in both positive and negative ways. In addition, agriculture is often recognized for its potential to help mitigate climate change. These issues are often discussed in academic, political, and societal circles. Come learn the main points of these discussions and more about agriculture's relationship to climate change.

A brief business meeting with board member elections will be conducted at the beginning of the meeting. Following the meal, the presentation on Climate Change and Agriculture will be given.

NEED LIVE FISH FOR YOUR POND OR LAKE? FISH DAY IS COMING MAY 5TH



Buy fish to stock your pond at Fish Day sponsored by the Kalamazoo Conservation District in cooperation with Harrietta Hills Trout Farm. The event will be held on Saturday, May 5th, 2012, 11:00 am - 1:00 pm at the Kalamazoo Conservation District office at 1911 West Centre Ave., Portage, Michigan.

How FISH DAY works:

- Phone your order to Harrietta Hills at least 3 days in advance of fish day. **Pre-orders required, due May 2nd.** Call Toll Free: 1-877-389-2514.
- Minimum order: 25 of any species. Cash or checks only will be accepted for payment at the event.
- Check the Harrietta Hills website at www.harriettahills.com for fish species and size that will be offered at fish day.
- Meet fish truck on fish day during the hours noted.
- Oxygen bags and oxygen will be provided to transport your fish home. Please bring one 5-gallon bucket for every 25 fish ordered to set bags in to help get your fish safely home.
- Harrietta Hills reserves the right to substitute small or larger sizes at an adjusted price, if necessary.
- For more information, call the district office at 1-269-327-1258 x 4 or visit www.kalamazooconservation.org

THANK YOU TO OUR 2012 NATIVE TREE & SHRUB SALE SPONSORS



While You're Farming...

Farm Bureau is watching out for your best interests in Lansing and Washington, D.C.

Representative Farm Bureau accomplishments include:

- Prompt payment legislation
- Right to Farm law
- Farmland preservation (P.A. 116)
- Sales tax exemption for agricultural inputs
- Exemptions from Michigan's Commercial Driver's License law
- Wildlife management measures to reduce crop damage
- National marketing and bargaining legislation
- Country of origin labeling
- Market-oriented farm program legislation



KALAMAZOO COUNTY FARM BUREAU
5950 Portage Road, Ste. A, Kalamazoo • 269-342-0212
kalamazoo.michiganfarmbureau.com

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SEEDLING SALE

NATIVE TREE & SHRUB

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