



## OAKLAND CONSERVATION DISTRICT

### 2018 SPRING TREE SALE - SATURDAY, APRIL 28

We are now taking orders for the spring tree sale. The 2018 selection includes a wide variety of evergreens, hardwoods and shrubs, along with potted blueberries and asparagus roots. Thanks to bulk ordering and generous local nurseries, these native and non-invasive species are available at discounted rates. Look inside for full details and order by fax, mail or Online.

### BACKYARD HABITAT WORKSHOP - BEGINS FEBRUARY 27



Design a custom wildlife habitat for your backyard. This four-part workshop is perfect for all experience levels. Big yard or small, every habitat counts. You will learn everything necessary to create a wildlife habitat

customized for your property. The course includes a soil survey, comprehensive workbook, individual consultation and group discussion and idea sharing. Visit our website for registration form or call directly to reserve your seat.

**Session Dates: Feb 27 & March 1, 5 & 27**

### CONGRATULATIONS PATRICK COSTELLO!

The Michigan Association of Conservation Districts (MACD) honored Patrick Costello, Chairman of the Oakland Conservation District with the 2017 Director of the Year Award, which recognizes the outstanding contributions of a Conservation District Director. Patrick was selected for providing strong leadership, advocacy and promoting conservation practices within the community. Under his leadership, the District can provide quality natural resource programs and services to the citizens of Oakland County, including educational events and assistance with invasive species. Additionally, Patrick has worked diligently with the OCD to fulfill their role as local partner with the Michigan Department of Agriculture and Rural Development and the USDA-Natural Resource Conservation Service in the delivery of state and federal natural resource programs.

## EVENTS & WORKSHOPS

### ANNUAL MEETING

March 28, 2018 at 6 p.m. at Lookout Lodge, 1702 Scott Lake Rd., Waterford, 48328. Contact the office for more details: (248) 922-7822

### BACKYARD HABITAT COURSE

This four-part workshop prepares you to create your own wildlife habitat. Course fee: \$75—soil survey, individual consultation and materials are included.

### OAKLAND FARMERS MARKET

Visit us the 2nd Saturday of each month (May-October). Learn what conservation efforts are going on around you. See what more can be done.



### VOLUNTEERS NEEDED!

We need 20+ daytime volunteers April 23-28 to help prepare for the tree sale. Join us for a few hours! Call (248) 922-7822 for details.



## JOIN US AT THE OAKLAND COUNTY FARMERS MARKET

The Oakland County Farmers Market, open three days a week, provides grower-direct fresh produce, flowers and hand-made goods. Vendors showcase their products via indoor and outdoor stalls. There is on-site BBQ fare, special events are held throughout the year, including Oakland Uncorked, food truck rallies and community garage sales. Look for our Oakland Conservation District booth/tent on the second Saturday of each month. Check the website for monthly topics and activities. We'd love to discuss your conservation questions, issues and ideas.

**Oakland County Farmers Market**

PLANNING A GARDEN OR LANDSCAPING PROJECT? WHAT TO KNOW BEFORE YOU GROW!

FINANCIAL ASSISTANCE & EDUCATION FOR CONSERVATION ISSUES

VOLUNTEERS NEEDED YEAR-ROUND. YOU CAN MAKE A DIFFERENCE!

INVASIVE SPECIES: SO MUCH INFORMATION! WHERE SHOULD YOU START?

WE CAN HELP WITH THE UNIQUELY DIVERSE ECOSYSTEMS YOU ASK!

- AGRICULTURAL
- WATER
- SOIL
- INVASIVE SPECIES
- TREES/FORESTRY
- WILDLIFE HABITATS

**OAKLAND CONSERVATION DISTRICT**

**OAKLAND COUNTY FARMERS MARKET**

Visit us the 2nd Saturday of each month (May-October) from 9:00-1:00 pm. Learn what conservation efforts are going on around you and see what more can be done.

Apr. 8: Backyard Habitats  
 May 6: Excess Tree Sales (if available)  
 May 12: Introduction to Invasive Species  
 Jun 10: US DNR'S Soil Conservationist  
 Jul. 8: Invasive Species  
 Aug. 12: Monarch Butterflies: Live! (if available)  
 Sept. 15: Invasive Species  
 Oct. 14: Conservation planning for 2018

VISIT OUR BOOTH TO LEARN MORE!

Oakland Conservation District • 7230 Dixie Highway • Suite 2 • Oakton, MI 48869 • Phone: 248-912-7822

www.OaklandConservationDistrict.org

## OAKLAND COUNTY PARKS AND RECREATION



With 13 parks, Oakland County Parks and Recreation offers green spaces and fun places. Serving you since 1966, the parks system offers 65 miles of trails, 14 playgrounds, two nature centers, a Farmers Market, two waterparks, three dog parks, two campgrounds, five golf courses and so much more.

We invite you to take a hike or skate, bike or ride a horse. More than 65 miles of paved and natural trails at nine parks offer an easy stroll or challenging trails. Many parks offer boardwalks as part of the trail system offering spectacular views. For winter fun and exercise, cross-country ski or snowshoe at several parks and ride fat tire mountain bikes at Addison Oaks County Park.

## MAEAP PARTNERS WITH LOCAL FARMS TO PROTECT NATURAL RESOURCES

THE MICHIGAN AGRICULTURE ENVIRONMENTAL ASSURANCE PROGRAM (MAEAP) is an innovative, proactive program that helps farms of all sizes and all commodities voluntarily prevent or minimize agricultural pollution risks. The MAEAP program comprises four core systems, each examining different aspects of the farm: Cropping, Farmstead, Livestock and Forest, Wetlands & Habitats. Contact the [Oakland Conservation District](#) at (248) 922-7822 or local MAEAP technician Anna Williams (810) 230-8766 ext. 3123

### MAEAP BENEFITS YOU & MICHIGAN BY:

- Protecting natural resources (air, water, and soil) using environmentally sound practices.
- Having emergency plans ready to deal with the unexpected.
- Making good neighbors.
- Helping protect the Great Lakes.
- Taking care of the land while making a living from the land.



## NORTH OAKLAND HEADWATERS LAND CONSERVANCY

The North Oakland Headwaters Land Conservancy is a private, non-profit, community supported, citizen run organization with 45 years of experience in preserving open space in northwest Oakland County and nearby communities. Over 1500 acres have been preserved in six townships and two counties, with parcels ranging from ½ acre to over 250 acres. The conservancy's mission is to preserve land and water for future generations. On a day to day basis, it tackles invasive species, creates trails, re-vegetates vacant land, and promotes plant and animal diversity. Visit [www.nohlc.org](http://www.nohlc.org) or call 248-795-2808 for information.

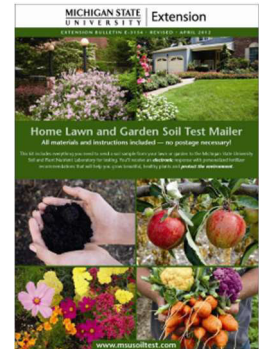
# SOIL TESTING

## WHY HAVE YOUR SOIL TESTED?

The major objective of soil testing is to have a basis for proper use of fertilizer and lime. It is an important diagnostic tool for evaluating nutrient imbalances. Since plants take up nutrients from the soil, nutrients need to be replenished from time to time. Over application of fertilizers can waste money, ruin plants, pollute streams, lakes and groundwater.

## WHEN IS THE BEST TIME TO TEST?

Soil samples may be taken any time during the year where temperatures (lack of frost) and moisture conditions permit. For general rotation crops, test soil at least once every three years. It is important to plant trees and shrubs that grow well in the existing soil conditions (clay, sand, acid vs. alkaline, etc.) rather than try to change the soil to meet the needs of the trees and shrubs planted.



## WHAT IS THE SOIL TESTED FOR?

It includes testing for soil PH; lime requirement; phosphorus (P); potassium (K); Calcium (Ca); and Magnesium (Mg). Fertilizer recommendations are based on the crop(s) to be grown and the soil test results.

## WHAT DOES THE TEST COST?

The cost for the soil test kit self-mailer is \$25.00. The soil test self-mailer provides you with everything you need to make the process easy. For more information visit [www.msusoiltest.com](http://www.msusoiltest.com).

## WHERE CAN I GET A SOIL TEST?

### PICK ONE UP:

MSU Extension - Oakland County  
1200 North Telegraph Road, Building 26E  
North Oakland Building  
Pontiac, MI 48341-0416

### ORDER ONLINE:

[HTTP://SHOP.MSU.EDU/PRODUCT\\_P/BULLETIN-E3154.HTM](http://shop.msu.edu/product_p/bulletin-e3154.htm)

### **For more information call:**

Ph: (248) 858-0902

## WHY BUY STOCK FROM THE OAKLAND CONSERVATION DISTRICT?

Michigan Conservation Districts offer quality, affordable plant stock for your next conservation project. Districts are your go to resource for trees, shrubs and more importantly friendly and helpful assistance to help you plant the right plants, in the right place. Tree sales are also important fund raisers for Conservation Districts, providing much needed financial support for the programs and services local communities have become to depend upon. Learn more about the Oakland Conservation District and how to care for and plant your new trees and shrubs by visiting our website or call (248) 922-7822.



## PLANTING & CARING FOR TREES & SHRUBS

### WHY PLAN BEFORE YOU BUY PLANT TREES & SHRUBS?

Trees and shrubs are an important part of Michigan's natural ecosystem. About 50 percent of the state is forestland. The plants that make up our forests provide food and nutrients for a wide variety of wildlife—from mammals to insect larvae. It also provides critical shelter for wildlife and their young to nest, rest, hide from predators, and seek shelter from heat, cold, and moisture.

The Michigan Department of Natural Resources has published a complimentary workbook, [MANAGING MICHIGAN WILDLIFE—A LANDOWNER'S GUIDE](#) that is an excellent way to plan for your 2018 tree and shrub purchases. It discusses key plant species and considers landscaping goals and site selection. The Knowing Your Soil chapter in the Habitat Planning section will help you understand how to identify soil types and to know what plants will grow best on your property. The guidebook also details how to properly plant and manage your trees and shrubs successfully.

### WHY PLANT TREES?

- Trees are beautiful! Landscaping which includes trees can improve the look of your home or office building and even raise property values. Studies have even shown that trees can improve moods and reduce stress.
- Trees renew our air supply by taking in carbon dioxide and producing oxygen. One tree produces nearly 260 pounds of oxygen each year.
- An acre of trees creates enough oxygen to be consumed by about 18 people annually.
- Trees help filter the air, greatly improving both urban and rural air quality. One acre of trees removes up to 2.6 tons of carbon dioxide.
- Trees save energy and money! Strategically placed, trees can make buildings cooler in summer and stop winter winds.
- Tree roots stabilize soil and help to prevent erosion.
- Trees cut down on noise pollution by acting as sound barriers.
- Trees provide food and shelter for wildlife.



PLANT  
MORE  
TREES!

## VOLUNTEERS NEEDED

We are still looking for 20+ volunteers the week of April 24 - 27, 2018. We will be unloading trailers and bundling up orders. This is a great opportunity to earn community service hours for work, school or community projects. Plus, all volunteers earn up to a 20% discount on their 2019 orders too! Join us and feel free to invite your friends, neighbors and work colleagues. *You do not have to commit to all three days and if you can't stay for the entire day, that's okay too.* Simply call and together we'll find a mutually convenient time. To volunteer call Patrick Costello call (248) 922-7822.

## MICHIGAN INVASIVE SPECIES: HELPFUL RESOURCES

Recently the news is reporting about invasive plant and insect “*watch list*”. The two most prevalent species are Japanese Stilt Grass and the Asian Longhorned Beetle. As a conservation district, one of our key directives is to keep our local community informed of these and other natural resource concerns. Invasive species are so pervasive throughout Michigan, the Oakland Conservation District wanted to ensure our neighbors knew where to find the latest and most complete information.



The State of Michigan and the Michigan Department of Natural Resources have created a comprehensive website breaking down invasive species into eight (8) different groups: Plants, Insects, Disease, Fish, Mammals, Birds, and Crustaceans. Invasives are then categorized to four segments of urgency.

1. **Watch List** means invasive may or may not have been detected in Michigan. If detected, it is not in the wild.
2. **Prohibited in Michigan** means the invasive is established in the wild but there is no management or control mechanism in place. Usually the establishment is small and eradication is still possible.
3. **Restricted in Michigan** identifies species that are established in the wild and have management and control mechanisms in place.
4. **No designation** categorizes an Invasive that is well established and has management and control mechanisms available. If discovered, it is necessary to begin efforts to manage the spread of the invasive in that location.

We recommend you familiarize yourself with the invasive species website and be on the lookout next time you are walking about. Of course, the Oakland Conservation District will always have a direct link available from our site.  
**MICHIGAN INVASIVE SPECIES WEBSITE:** [WWW.MICHIGAN.GOV/INVASIVES](http://WWW.MICHIGAN.GOV/INVASIVES).

### INVASIVE SPECIES CURRENTLY ON WATCH LIST

MAMMALS:	Nutria
BIRDS:	None
INSECTS:	Asian Longhorned Beetle; Balsam Woolly Adelgid; Hemlock Woolly Adelgid
DISEASES:	Thousand Cankers Disease
MOLLUSKS:	New Zealand Mud Snail
CRUSTACEANS:	Red Swamp Crayfish
FISH:	Bighead Carp; Black Carp; Grass Carp; Silver Carp; Northern Snakehead
PLANTS:	Grasses Asiatic Sand Sedge; Japanese Stilt grass
	Vines Chinese Yam; Kudzu; Mile-A-Minute weed
	Herbs Himalayan Balsam
	Aquatics Brazilian Elodea; European Water Cover; Hydrilla; Parrot Feather; Water Chestnut; Water Hyacinth; Water Lettuce; Water soldier; Yellow Floating Heart

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#### *Our Mission*

The Oakland Conservation District is dedicated to promoting sound environmental stewardship in Oakland County by providing residents with reliable information and technical assistance regarding the management and use of our natural resources.

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*Serving Oakland County for 50 Years*

Oakland Conservation District

7150 Dixie Highway, Suite 2  
Clarkston, Michigan 48346

P: 248-922-7822

E: [OaklandConservation@gmail.com](mailto:OaklandConservation@gmail.com)

W: [OaklandConservationDistrict.org](http://OaklandConservationDistrict.org)



## **ORDERS CLOSE: FRIDAY, APRIL 6<sup>TH</sup>**

Place your order today, quantities are limited. Order online, by fax or mail. Thank you for supporting the Oakland Conservation District!

## **TREE & SHRUB PICK UP DAY**

**SATURDAY, APRIL 28, 2018**

**10:00 a.m. - 2:00 p.m.**

**NO ONSITE SALES - ORDER PICK UP ONLY**

Pick Up Location:

Waterford Oaks Greenhouse - 1580 Scott Lake Rd  
Located on the corner of Scott Lake and Watkins Lake Rd

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### **OAKLAND CONSERVATION DISTRICT**

7150 Dixie Highway, Suite 2  
Clarkston, Michigan 48346

P: 248-922-7822

E: [OaklandConservation@gmail.com](mailto:OaklandConservation@gmail.com)

W: [OaklandConservationDistrict.org](http://OaklandConservationDistrict.org)

OAKLAND CONSERVATION DISTRICT

SPRING 2018 TREE SALE

NO more bulk mailings. Please provide your e-mail address

	<b>Soils</b> Mesic = Medium not overly dry or wet	<b>Growth</b> F = Fast M = Med S = Slow	<b>Size</b>	<b>Per 10</b>	<b>Per 25</b>	<b>Per 50</b>	<b>Per 100</b>		<b>Number Ordered</b>	<b>Cost</b>
<b>EVERGREENS</b>										
Douglas fir	mesic	M-F	12-24"	\$8.88	\$21.00	\$40.20	\$72.00			
Norway Spruce	mesic	M-F	12-18"	\$14.10	\$33.25	\$63.70	\$114.00			
Red Pine	mesic - dry	F	12-18"	\$8.88	\$21.00	\$40.20	\$72.00			
White Pine	mesic - moist	F	12-18"	\$7.80	\$18.40	\$35.15	\$68.00			
White Spruce	mesic - dry	S	12-18"	\$7.80	\$18.40	\$35.15	\$68.00			
Red Cedar	mesic-dry	M-F	12-18'	\$14.10	\$33.25	\$63.70	\$114.00			
White Pine	mesic - moist	F	18-24"	\$16.65	\$34.35	\$75.35	\$135.00			
	<b>Soils</b> Mesic = Medium not overly dry or wet	<b>Growth</b> F = Fast M = Med S = Slow	<b>Size</b>	<b>Per 2</b>	<b>Per 5</b>	<b>Per 10</b>	<b>Per 25</b>		<b>Number Ordered</b>	<b>Cost</b>
<b>HARDWOODS</b>										
Quaking Aspen	Dry-mesic	M-F	18-24"	\$8.45	\$16.65	\$30.60	\$69.75			
Black Walnut	rich moist loams	F	18-24"	\$7.00	\$13.32	\$24.45	\$55.75			
Red Maple	mesic	F	12-18"	\$5.75	\$10.40	\$19.00	\$43.40			
Sugar Maple	mesic - moist	S	12-18"	\$7.00	\$13.32	\$24.45	\$55.75			
White Oak	mesic	S	12-18"	\$6.45	\$12.05	\$22.10	\$50.35			
Pin Oak	mesic	F	18-24"	\$9.10	\$16.75	\$31.75	\$71.50			
Red Oak	mesic-moist	M	12-18"	\$7.50	\$14.45	\$26.50	\$60.45			
Canoe Birch	moist-wet	M	18-24"	\$8.45	\$16.65	\$30.60	\$69.75			
Whitespire Birch	moist	F	18-24"	\$8.45	\$16.65	\$30.60	\$69.75			
Chinese Chestnut	dry-mesic	F	18-24"	\$8.85	\$17.55	\$32.30	\$73.60			
American Mountain Ash	Mesic	S	12-24"	\$8.45	\$16.65	\$30.60	\$69.75			
<b>SMALL TREES / SHRUBS</b>										
Highbush Cranberry	mesic - moist	M	12-18"	\$6.75	\$10.40	\$19.00	\$43.40			
Red Osier Dogwood	mesic - moist	M	12-24"	\$3.60	\$5.40	\$9.85	\$22.50			
Ninebark	mesic - wet	M	24-36"	\$6.45	\$12.05	\$22.10	\$50.35			
Eastern Redbud	mesic - moist	M	18-24"	\$7.50	\$14.45	\$26.50	\$60.45			
Shadblow Serviceberry	mesic - wet	M	12-18"	\$6.45	\$12.00	\$22.10	\$50.35			
Fragrant Sumac	dry	M	24-36"	\$7.00	\$13.32	\$24.45	\$55.75			
Common Lilac	mesic	M	12-24"	\$4.05	\$6.50	\$11.90	\$27.15			
Nannyberry	mesic	M	18-24"	\$8.45	\$16.65	\$30.60	\$69.75			
Nanking Cherry	mesic	M	12-18"	\$7.50	\$14.45	\$26.50	\$60.45			
Rose of Sharon	mesic	M	24-36"	\$4.85	\$8.35	\$16.65	\$39.35			
Butterfly Bush	dry-moist	F	15-24"	\$4.05	\$6.50	\$11.90	\$27.15			
<b>GARDEN</b>										
Asparagus Root Mary Washington	Dry-mesic	M		<del>X</del>	\$5.75	\$10.85	\$25.95			
Blue Crop Blueberry 8"	mesic - moist	M	8"	1 for \$12.00	5 for \$55.00	10 for \$80.00	25 for \$180.00			

OAKLAND CONSERVATION DISTRICT

**SPRING 2018 TREE SALE**

NO more bulk mailings. Please provide your e-mail address

**ORDERS DUE BY FRIDAY, APRIL 6, 2018**

<b>Subtotal</b>		
<b>6% Sales Tax</b>		
<b>Total</b>		

Make Checks Payable To:

**Oakland Conservation District**  
248-922-7822

Mail your check and completed order form to:

**Oakland Conservation District**  
7150 Dixie Highway Suite 2  
Clarkston, Mi. 48346

**OR**

**Order by PayPal at:**

[www.OaklandConservationDistrict.org](http://www.OaklandConservationDistrict.org)

Follow this link to order online via PayPal or to reprint the order form!



Customer Information (Please Print)	
Name:	
Street Address:	
City, State, Zip:	
Phone:	
<b>Email:</b>	

Please provide your e-mail address. Conservation is our middle name and we will no longer send out bulk mailings.

**Our liability for plant material ceases when plants are picked up.**



**CONIFERS**

**Douglas Fir** *Pseudotsuga menziesii*: Medium growing reaching at least 50 in height. It grows on well drained soils and full sun. Makes a good Christmas tree and good for landscaping.

**Norway Spruce** *Pinus abies*: Moderately fast growing tree that reaches 60-90 feet in height. It prefers moist clay to loam soils and is shade tolerant. Needles are dark and short. Valued for landscaping, windbreaks and wildlife cover.

**Red Pine** *Pinus resinosa*: Moderate to fast growing tree that is 50-80 feet tall at maturity. It grows best in well drained sandy soils and full sun. Dark green needles are 4-6" long in bundles in of two. It is used for windbreaks, landscaping and timber.

**White Pine** *Pinus strobus*: Michigan's State tree! Moderate to fast growing tree that can reach 80-100 feet tall. It prefers rich, moist to well-drained soils and is shade tolerant. Needles are soft and grow in bundles of 5. Used for timer, wildlife, cover and windbreaks.

**White Spruce** *Picea glauca*; Michigan's native spruce. Slow growing, shade tolerant and can be 60-90 feet tall. Prefers well drained clay loam soils but tolerates heat, drought and high water. Used for landscaping, windbreaks and wildlife cover.

**Red Cedar** *Juniperus virginiana*: Moderately fast growing tee reaching 40-50 feet in height. It is a native and bears bluish cones (berries). Excellent wildlife tree and excellent for windbreaks.

**HARDWOODS / DECIDUOUS TREES**

**Quaking Aspen** *Populus tremuloides*: Fast growing tree reaching 40-60 feet in height. It will tolerate most soils, but prefers moist soils and likes full sun. The broad flat leaves tremble or quake in the light breeze

**Black Walnut** *Juglans nigra*: Reaches 60-80 feet in height and a trunk diameter of 2-3 feet. This hardwood is shade tolerant. It grows best on moist sandy loams. The nuts produced are a good food source for wildlife. The timber is valued for furniture, veneer and gun stocks. This tree does put allelopathic chemicals into the soil which may prohibit some plants from growing.

**Red Maple** *Acer rubrum*: Fast growing and can reach 45-60 feet in height. It will grow in poorly drained and well drained soils and is shade tolerant. It is valued for its red buds, twigs and fall color. This is a good tree for landscaping and for wildlife.

**Sugar Maple** *Acer saccharum*: Slow to medium growing tree that reaches 80-100 feet tall. Grows well on moist soils and is moderately shade tolerant. This tree is used for timber, landscaping, and maple syrup production.

**White Oak** *Quercus alba*: Slow growing tree that reaches 45-80 feet tall. Prefers full sun and well drained sandy loam to clay loam soils. Great ornamental or forest tree that is valued for timber and wildlife.

**Pin Oak** *Quercus palustris*: Fast growing reaching 60-70 feet in height. It has bright red leaves in the fall. It prefers moist soils. It is often known as a street tree.

**Red Oak** *Quercus rubra*: This is a fast growing tree reaching 70-90 feet in height. It is known as the "Champion Tree" because of its growth and shape. It prefers moist soils and grows in the sun or partial shade.

**Canoe Birch** *Betula papyrifera*: Fast growing tree reaching 50-70 feet in height. Young trees have a bronze to brownish bark and mature trees have chalk white bark which can peel away. Grows on moist soils and needs full sun to partial shade.

**Whitespire Birch** *Betula populifolia*: Fast growing tree reaching 30-40 feet in height. Prefers full sunlight and moist, well-drained soils but will adapt to a variety of soil conditions. Is more heat tolerant than other Birches and its bark does not exfoliate. Has a narrow pyramidal form with dark, glossy leaves which turn yellow in the fall.

**Chinese Chestnut** *Castanea mollissima*: This is a fast growing tree reaching 40-60 feet in height. It produces nuts in just a few years after planting. It needs 2 trees for pollination. It prefers drier soils but will do ok on most soils.

**American Mountain Ash**-*Sorbus americana*: Is not in the Green Ash Family. Smooth bark tree growing up to 30 feet tall. Clusters of white flowers that bloom into brightly colored clusters of red berries in the summer time. Berries are eatable and a favorite of many birds and mammals. Prefers acidic soil with good drainage, full sun to light shade.

## SMALL TREES / SHRUBS

**Highbush Cranberry** *Viburnum trilobum*: Grows 4-10 feet tall, prefers moist sites. Flowering shrub that produces small white clusters of flowers followed by red fruit. Excellent wildlife plant, fruit provides great winter food source for birds. Can tolerate some shade.

**Red Osier Dogwood** *Cornus stolonifera*: Grows 3-9 feet tall. Older twigs have a red or purplish red color that lasts all year creating an attractive winter focal point. This is a great plant for stream bank restoration and landscaping.

**Ninebark** *Physocarpus opulifolius*: 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.

**Eastern Redbud** *Cercis canadensis*: Small tree 12-25 feet high. Flowers April-May before or with the leaves. Fruit-legume, June-July persistent in winter. Moderately shade tolerant, slow growing, grows well on many soils. Highly prized as an ornamental due to showy pink flowers in early spring.

**Shadblow Serviceberry** *Amelanchier arborea*: Shrub or small tree up to 40 feet with a narrow crown, 4-12" in diameter. Showy white flower in April-May with red to purple round berry in June-August. Shade tolerant, slow growing, intolerant of moist soils.

**Common Lilac** *Syringa vulgaris*: Generally between 8-12 feet tall but can reach up to 20 feet at maturity. Flower are purple and bloom from late spring to early summer. Does well in a wide range of soils but requires full sun.

**Rose of Sharon** *Hibiscus syriacus*: 8-12' shrub or small tree with numerous upright branches. Blooms from July through September. Tolerates moist soil and full sun. Excellent border shrub with flowers that are white, pink, lavender or purple. It fits well with landscaping and is a good flower for pollinators.

**Butterfly Bush** *Buddleja davidii*: This is a fast-growing shrub reaching 10-15 feet in height. It is called the summer lilac due to its similar fragrant flowers that bloom all summer long. It likes all soils and full sun.

**Nannyberry** *Viburnum lentago*: This bush medium in growth rate and will reach 10 - 20 feet in height. It has showy white flowers and fruit is edible and makes good jam. Its fruit is great for wildlife. It prefers mesic soils and can be in the sun or partial shade.

**Fragrant Sumac** *Rhus aromatic*: This bush tends to umbel shaped and grows at a medium rate. It reaches 8 -18 feet in height and width. Great wildlife escape cover with aromatic leaves. The red drupes (fruit) is good wildlife food and makes good tea. It prefers dry soils and full sun to partial shade. It will make a good border planting.

**Magenta Crab Apple** *Malus pumila*: This small tree will get 25 feet in height. It is medium in growth rate and prefers mesic soils. It will grow in full sun. It has magenta flowers in the spring with red fruit and preferred by wildlife. The leaves stay reddish for most of the summer.

**Nanking Cherry** *Prunus tomentosa*: This shrub/small tree will get 10 feet in height. It has shiny reddish bark with beautiful white blossoms in early spring. Fruit are scarlet red, but should have 2 trees for good pollination. It grows at a medium rate in various soils and full sun. Great for borders or in a windbreak and excellent wildlife food source.

## GARDEN

**Mary Washington Asparagus Root**- Perennial vegetable that grows 3-7 feet high. Prefers full to partial sun and deep well-drained soils. Ready for harvest after two years and the graceful, feathery green foliage is still attractive after harvest.

**Bluecrop Blueberry**- Delicious to eat and relative easy to grow. It needs a soil with a ph between 4 and 5. The soil needs to drain easily. Need 2 plants for good pollination.