

## How to Order:

Orders will be taken until **Wednesday, February 21, 2018**. Tentative order distribution date is the last week in March. You will be called to confirm exact pick up date and time. Be sure to include the number of packets ordered and your correct address and telephone number on the order form. Payment must accompany your order form.

Please complete the enclosed order form and mail it with your payment to:



Meigs SWCD  
113 E. Memorial Dr. Suite D  
Pomeroy, Ohio 45769

You may also place orders by stopping in our office between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday. If you have any questions, please call 740-992-4282. Orders can not be made by phone. For additional order forms or for additional details visit [meigsswcd.com](http://meigsswcd.com).

**NOTE:** The **Hard Mast Packet** and **Moist Soils Packet** contains four (4) of each of the five species listed in the brochure. There are a total of twenty (20) seedlings per packet. The **Pollinator Packet** contains two (2) of each of the five species listed in the brochure. There are a total of ten (10) seedlings per packet.

**SEEDLING SIZE:** Tree and shrub seedlings should be between 6 and 18 inches tall, depending on the species. Seedlings should be planted within 5 days after pick-up and then watered regularly.

*The Meigs Soil and Water Conservation District reserves the right to substitute species in the Specialty Tree Packets, Erosion Control Seed Mix, Wildlife Food Plot Seed Mix and Pollinator Seed Mixes based upon availability.*



# Meigs Soil and Water Conservation District

## 2018

## Tree & Wildlife Packet Sale

Order Deadline February 21, 2018



Meigs SWCD  
113 E. Memorial Dr. Suite D  
Pomeroy, OH 45769  
740-992-4282  
[meigsswcd.com](http://meigsswcd.com)

## Deciduous Trees

**Black Cherry** (*Prunus serotina*) Commercially important tree growing to 60+ ft. at maturity; commonly used for lumber, veneer, and furniture. Leaves are dark green in summer and yellowish in fall. The small black fruit provides food for a variety of birds and mammals. Tolerates a wide variety of growing conditions.

**Black Walnut** (*Juglans nigra*) A rapidly growing tree common in all of Ohio, is most common in moist bottomlands and open fields, but is found everywhere due to squirrels burying its nuts. It has dark green compound leaves and produces delicious nuts that are preferred by wildlife. It is valued for timber, veneer, and furniture. Grows well in most locations, but prefers fertile, deep soils. Mature height and spread is 70 ft. Prefers full to part sun.



**Northern Red Oak** (*Quercus rubra*) Tall, relatively fast growing tree that can reach 80+ ft. at maturity. Leaves are shiny green in summer and bright red in fall. Makes an excellent tree for street or yard. Prefers full sun and acidic soil. It has a commercial value for furniture and lumber. Yields acorns that are round and ¾–1 inch long with a flat, thick, saucer-like cap. Acorns from this tree are at the top of the food preference list for blue jays, wild turkeys, squirrels, small rodents, whitetail deer, raccoons and black bears. Deer also browse the buds and twigs in wintertime.



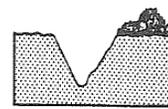
**Sugar Maple** (*Acer saccharum*) This large shade tree, which can reach heights over 100 ft., is the cornerstone of the maple syrup industry. The medium green leaves can turn brilliant yellow, orange, or red in the fall. Prefers partial to full sun and well-drained soil. Excellent shade tree.

**White Oak** (*Quercus alba*) A large, broadleaf tree growing to 100+ ft. at maturity. This species is shade tolerant, found on a variety of sites, and grows best in deep, sandy loam soil on south and west facing slopes. A great species for wildlife. Yields acorns that are up to 1 inch long with a warty cap that covers about ¼ of the nut. The acorns are one of the best sources of food for wildlife and are gathered, hoarded and eaten by birds, hoofed browsers and rodents. Leaf buds also are eaten by several bird species, and all parts of the tree are a favorite food for deer.

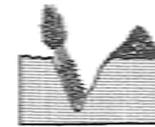


## Care on Arrival

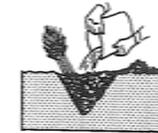
- Tree seedlings require water and cool temperatures to survive until planted.
- If you intend to plant the trees within a week (recommended), keep them in the shipping package in a cool or shaded location, such as a cooler (above freezing), basement, outbuilding, or on the north side of a building.
- If planting will be delayed longer than a week, open the package, make sure the roots and packing materials are damp, reseal, and store the package in a cool place, periodically checking the condition of the trees roots. Or, dig a trench deep enough to accommodate the roots and plant the seedlings, packing soil around their roots. (See illustration below.)



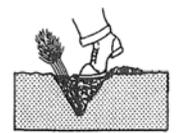
1. Dig v-shaped trench in moist shady place.



2. Break bundles and spread out



3. Fill in loose soil and water well.



4. Complete filling in soil and pack with feet.

- Do not allow the roots to dry out. Roots should be kept **MOIST**, not **WET**. Do not store seedling roots submerged in water.

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## Don't Guess...Soil Test!

Plants need proper nutrients to reach their full genetic potential. Soil sampling allows us to determine if plant needs can be met or if we need to make amendments to our soil so plants can grow their best. It's inexpensive and it's easy!

- Sample in spring or fall when grass is no longer actively growing.
- Soil properties vary from place to place. The sample should be representative of the area to be sampled as a whole. Do not take samples from an unrelated area.
- Remove plant debris or turf from soil surface at sample site.
- Sample lawns, gardens, and fields to a depth of 6-8 inches.
- Using a clean plastic bucket and a soil probe or spade, combine cores or slices of soil from at least ten locations per acre scattered throughout the area to be tested.
- Break up clumps, mix soil thoroughly, and air dry at room temperature.
- Place one pint of sampled soil in bag.
- Take sample to a testing location. Some local options are: Athens County Extension Office, Buckley Brothers or Shade River Ag. Cost is approximately \$15 per sample.

## Groundcover

This year only native groundcover options are offered! We hope you find them suitable for your needs.

**Wild Ginger** (*Asarum canadensis*) This native spring wildflower is usually grown in woodland gardens, native plant gardens or used as edging in landscapes. Easily grown in a variety of soil types in part shade to full shade. Spreads slowly by rhizomes. Height is 4-8 inches at maturity. Plant 8-12 inches apart. 25 bulbs per packet.



**Partridge Berry** (*Mitchella reptans*) A mat-forming, evergreen groundcover that displays interesting foliage, flowers and fruit. Tolerates heavy shade and dry conditions. Height is 2 inches at maturity. Plant 8-12 inches apart. 25 bulbs per packet.

**Wild Columbine** (*Aquilegia canadensis*) With a mature height of 2-3 ft, this native wildflower has a light pink/yellow to blood red/yellow flower that blooms April to May. It tolerates a wide range of soil conditions as long as drainage is good. Can be planted in full sun to part shade. Freely self-seeds and will naturalize to form large colonies in optimum growing conditions.

## Wildlife Boxes

**Bat House** Bats play an essential role in keeping populations of night-flying insects in balance; one bat can catch hundreds of insects per hour! They are the primary predators of beetles, moths, leafhoppers, mosquitoes, and other insects. Installing this cedar bat house on your property will provide roosting locations for these nocturnal mammals.

**Eastern Bluebird Box** Landlords wanted! Attract bluebirds to your property! Bluebirds readily accept nesting boxes to raise their young. Ideal bluebird habitat is a mix of scattered trees and open grasslands including short, mowed, or grazed grass. These cedar nest boxes should be placed at least 300 ft. apart. Contact the District for more information on bluebirds.

## Tree Supplies

**Tree Marking Flags** 30 inch high metal stake with a 4 x 5 inch purple flag. Perfect for marking those newly planted trees, shrubs, and groundcover.

**Plantskydd** 100% organic, safe for use in protecting flowers, ornamentals, seedlings, shrubs, trees, as well as fruit, vegetables, and other food crops against browse damage from deer and rabbits. Won't harm the environment or pets. It is non-toxic, biodegradable, and also acts as a fertilizer. Available in 1 quart ready to spray bottle or 2.2 lb. soluble powder concentrate (makes 10 quarts of liquid for spraying).

## Coniferous Trees

**Bald Cypress** (*Taxodium distichum*) Large, slow-growing, long-lived, deciduous conifer. Frequently reaches 100-120 ft. in height and 3-6 ft. in diameter. The leaves are alternate, linear and flat with blades generally spreading around the twig. Prefers very wet soils consisting of muck, clay or fine sand where moisture is abundant and fairly permanent. Excellent for erosion control, timber, wildlife, and site rehabilitation. Consider their large size when planting near houses or power lines.

**Colorado Blue Spruce** (*Picea pungens* var. *glauca*) This large evergreen with a moderate growth rate can reach heights of 100+ ft. It has short, stout, prickly, bluish green to bright, silvery blue needles. Prefers fertile, moist soil in full sun, but will tolerate dry, well-drained areas as well. Valued as ornamentals, windbreaks, and Christmas trees.

**Eastern White Pine** (*Pinus strobus*) An outstanding timber pine due to its large size (80+ ft. at maturity) and fast growing ability. It has long, soft, light green needles and grows well in many soil types. Often used for windbreaks, wildlife habitat, lumber, and Christmas trees. Prefers full sun, but can tolerate some shade. Not salt tolerant.

**Norway Spruce** (*Picea abies*) One of the fastest growing spruces! Reaches 100 ft. at maturity. This extremely attractive evergreen has strong, distinctive, sweeping branches, and shiny green ½-1 inch long, flat needles. Grows well on most sites and is used for ornamentals, windbreaks, and Christmas trees.

**Scotch Pine** (*Pinus sylvestris*) Medium-size pine that can grow 50-80 ft. at maturity. Bluish green, medium length needles enhance its Christmas tree appeal. Also used for ornamentals, windbreaks, and lumber. Prefers well-drained, dry soils of lower fertility and full sun.



*Thank you for your seedling purchase. Proceeds from our Annual Tree and Wildlife Packet sale are used to further our conservation and education efforts in Meigs County.*

# Specialty Tree and Shrub Packets

## Hard Mast Packet

(4 each of the following species - 20 seedlings total - No Substitutions)

**Northern Red Oak** (*Quercus rubra*) See page 2 for description.



**White Oak** (*Quercus alba*) See page 2 for description.

**American Chestnut** (*Castanea dentate*) A broadleaf species, leaves are 6-8 inches long. In autumn, large spiny burs produce 1-5 nuts. Minimum seed-bearing age is 4 years. Commonly found on hill slopes in gravelly or rocky, well-drained soils. Rapid growing trees that can reach 60-100 ft. at maturity. These seedlings are secured from the West Virginia State Nursery and are considered pure American Chestnut. This cultivar has shown a resistance to chestnut blight but it is too soon to claim resistance.

**Bur Oak** (*Quercus macrocarpa*) This massive and majestic, slow growing oak can reach mature heights of 90 ft. and mature spreads of 80 ft. It prefers full to partial sunlight and grows well in both moist and dry soil types. Yields acorns that are larger than most others, with a conspicuously fringed cap that extends about halfway down the nut. Bur oak acorns are the preferred food for wood ducks, wild turkeys, white-tailed deer, rabbits, mice, squirrels and other rodents.

**Shagbark Hickory** (*Carya ovata*) This medium growing tree can reach mature heights of 100 ft. and mature spreads of 40 ft. It is frequently found in dry uplands or moist valleys. Its cut timber is prized for making tool handles, athletic equipment, furniture, construction timbers, and firewood. It is also sought after for smoking meats, especially pork. It produces sweet and large nuts relished by squirrels and other wildlife.

## Moist Soils Packet

(4 each of the following species - 20 seedlings total - No Substitutions)

This packet contains trees that are better suited to areas subject to seasonal or prolonged periods of wetness.

**Butternut** (*Juglans cinerea*) Mature tree height can be 40 to 60 ft. It forms a wide spreading crown with stiff upright branches producing large, alternate, pinnately compound leaves with numerous leaflets. Oblong, yellow-green, sticky husks contain an irregularly-ribbed nut containing sweet, oily meat. The slow growing butternut prefers full sun and grows in acidic, alkaline, loamy, moist, rich, sandy, well-drained, wet and clay soils.

**Swamp White Oak** (*Quercus bicolor*) Frequently found in wet woods, swamps, wetlands, bottomlands and near bodies of water; it is surprisingly very drought tolerant. Reaching a mature spread and height of 60 ft., this slow to medium growing tree is nearly indistinguishable from White Oak when cut and is used for the same purposes.

(Continued from page 8)

Virginia Wildrye, Sideoats Grama, Indian Grass, Partridge Pea, Black-eyed Susan, Ohio Spiderwort, Tall White Beardtongue, Marsh Blazing Star, Wild Senna, Oxeye Sunflower, Autumn Bentgrass, Zigzag Aster, Hairy Beardtongue, New England Aster, Butterfly Milkweed, Wild Bergamot, Orange Coneflower, Maryland Senna, Blue False Indigo, and Early Goldenrod.

## Pollinator Seed Mixes

Created by Pheasants Forever, these seed mixes have been designed by wildlife professionals to provide diverse high-quality long-lasting wildlife habitat, meet Ohio Department of Agriculture standards and exceed NRCS conservation standards. Both of these seed mixes meet criteria set forth by Natural Resources Conservation Service (NRCS) for Conservation Stewardship Program (CSP) practice - Establishment of pollinator and/or beneficial insect habitat. In addition they also meet criteria set forth by Farm Service Agency (FSA) for Conservation Reserve Program (CRP) practice CP42 - Pollinator Habitat. If you are purchasing seed for either of these programs, please be sure to follow all Standards and Specifications as directed from NRCS and/or FSA. **Seed sold in 1/2 acre increments.**

**Ohio Pollinator Seed Mix** (1.60 lbs. PLS) - Little Bluestem, Sideoats Grama, Switchgrass, Black-eyed Susan, Brown-eyed Susan, Culver's Root, False Sunflower, Yellow Coneflower, Illinois Bundleflower, Lanceleaf Coreopsis, New England Aster, Partridge Pea, Purple Coneflower, Stiff Goldenrod, Wild Bergamot, Alsike Clover, Crimson Clover, Ladino Clover, Annual Lespedeza, Butterfly Milkweed, Common Milkweed, and Swamp Milkweed.

**Ohio Pollinator (NO GRASSES) Seed Mix** (1.36 lbs. PLS) - Black-eyed Susan, Brown-eyed Susan, Culver's Root, False Sunflower, Yellow Coneflower, Illinois Bundleflower, Lanceleaf Coreopsis, New England Aster, Partridge Pea, Purple Coneflower, Stiff Goldenrod, Wild Bergamot, Alsike Clover, Crimson Clover, Ladino Clover, Annual Lespedeza, Butterfly Milkweed, Common Milkweed, and Swamp Milkweed.



## Fruits and Mushrooms



### Gala/Red Rome Beauty Apple Trees (2 trees - 1 of each species)

The Gala Apple Tree (*Malus 'Gala'*) produces a delicious and versatile fruit suitable for both cooking and snacking. They tend to fruit young and ripen early. Throughout the summer the Gala apples mature to a bright overall red color, with bold red stripes over a yellow-green background. The fruit is firm, juicy and sweet with a slight tart flavor that resist bruising and stores well. The Red Rome Beauty is a mildly tart, firm flesh apple, excellent for use in sauces, baking and pies. Like the Gala, it resists bruising and stores well. Full sun is essential and these seedlings prefer well drained soils. Mature height and spread for this species is 35 ft. Plant these trees within 100 ft. of each other for required cross-pollination.

### Shiitake Mushroom (1 kit)

Delicious mushrooms that have brown, slightly convex caps that range from about 2-4 inches in diameter. Kit contains 200 inoculated shiitake dowel plugs, 1/4lb. bees wax, wax dauber, 5 metal tags for labeling and an easy to follow growers guide. Each kit will plug approximately 10 logs 3 inches in diameter and 40 inches long. Logs not included.



## Seed Mixes

Create Food Plots for Wildlife! (25 lb. bag) Plant this mixture of sorghum, millet, soybeans, field pea, sunflower, buckwheat, and foxtail to provide a supplemental food supply for wildlife. An excellent choice for the conservation-minded landowner who wants to attract wildlife. Covers ½ acre.

Erosion Control Seed Mix (2 lb. bag) A blend of Birdsfoot Trefoil, Timothy, Tall Fescue, Annual Ryegrass, Alsike Clover, and Red Top. Excellent substitute for crownvetch. For severe erosion control measures. Covers 2000 sq. ft.

Showy Northeast Native Wildflower & Grass Seed Mix (1 oz. packet)



A mix of native wildflowers and prairie grasses that will provide a wonderful display of color from spring through summer. This full sun/part shade mixture contains drought resistant species that attain an average height of 2-3 ft. Excellent for native meadows and wildflower patches. Covers 200 sq. ft. Mix contains (subject to change): Big Bluestem,

(Continued on page 9)

Sycamore (*Platanus occidentalis*) Noted for its white bark in winter, this species is usually found lining the paths of creeks and rivers. It easily reaches heights of 80 ft. and spreads of 60 ft. It prefers full to part sun and deep, moist, rich, well-drained soils.

Black Walnut (*Juglans nigra*) See page 2 for description.

Chinquapin Oak (*Quercus muehlenbergii*) With a mature height of 60 ft. and spread of 80 ft., this slow to medium growing tree does best in rich, deep bottomlands. While it grows best in high pH soils, it will tolerate neutral to acidic soils. Prefers full to partial sun.

## Pollinator Packet

(2 each of the following species - 10 seedlings total - No Substitutions)

These species will add color to any landscape while benefiting our native pollinators by providing early season to late season blooms.



Eastern Redbud (*Cercis canadensis*) This tree heralds the arrival of spring with its showy, lavender-pink flowers that typically open in April, long before the foliage emerges. It can reach

mature heights of up to 30 ft. and spread of 10 ft. It prefers full sun to part shade and moist soils but is quite adaptable to most soil conditions.

White Flowering Dogwood (*Cornus florida*) Its white blossoms in very early spring, prior to leaf emergence, make this woodland edge tree very easy to spot. With a mature height of 15 ft. and spread of 20 ft., this slow growing species does best in evenly moist, well-drained, fertile, deep, acidic soil in partial sun.

American Plum (*Prunus americana*) Its white, pungently sweet blossoms emerge in early spring before the foliage breaks bud. It is very adaptable to a wide variety of environmental conditions and needs full sun. Can reach a mature height of 20 ft. and mature spread of 25 ft.

Persimmon (*Diospyros virginiana*) The persimmon is quite adaptable to a variety of soil, moisture, and polluted conditions. It is a slow to medium growing tree reaching a mature height of 50 ft. and spread of 30 ft. This tree produces a yellow flower in late spring and early summer.

Sourwood (*Oxydendrum arboreum*) This small, native tree has a mature height of 25-30 ft. Small, creamy-white, urn-shaped, fragrant flowers are borne in 4-10 inches long panicles in June to early July. The rich, iridescent green leaves turn vibrant yellow, purple, and red in fall. The sourwood grows in acidic, loamy, moist, sandy, well-drained and clay soils. Prefers full sun and normal moisture but has some drought tolerance.

# ORDER FORM

Tree	Trees per Packet	# Packets	\$/Packet	Total \$
Black Cherry	25		\$21.00	
Black Walnut	25		\$21.00	
Northern Red Oak	25		\$21.00	
Sugar Maple	25		\$21.00	
White Oak	25		\$21.00	
Bald Cypress	25		\$18.00	
Colorado Blue Spruce	25		\$18.00	
Eastern White Pine	25		\$18.00	
Norway Spruce	25		\$18.00	
Scotch Pine	25		\$18.00	
Hard Mast Packet	20		\$25.00	
Moist Soils Packet	20		\$20.00	
Pollinator Packet	10		\$15.00	
Gala/Red Rome Beauty Apple Trees	2		\$20.00	
Shiitake Mushrooms	1kit		\$25.00	
Wildlife Food Plot Seed Mix	25 lbs		\$40.00	
Erosion Control Seed Mix	2 lbs		\$15.00	
Wildflower and Grass Seed Mix	1 oz		\$6.00	
Ohio Pollinator Seed Mix	1.60 lbs PLS		\$84.00	
Ohio Pollinator (NO GRASSES) Seed Mix	1.36 lbs PLS		\$80.00	
Wild Ginger	25 per packet		\$25.00	
Partridge Berry	25 per packet		\$25.00	
Wild Columbine	25 per packet		\$25.00	
Bat House	each		\$18.00	
Eastern Bluebird Box	each		\$18.00	
Tree Marking Flags	each		\$.10	
Plantskydd-ready to use spray	1 quart		\$22.00	
Plantskydd-soluble powder	2.2 lbs		\$39.00	

**Total**

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Order deadline is  
**February 21, 2018.**  
 Make checks payable to:  
**Meigs SWCD**