



37th Annual Tree Seedling Sale

Trees are an important part of Pennsylvania's landscape and history, providing a wealth of benefits and ecological services to the residents and visitors of the Commonwealth. Whether it is a large tract of forested land, a small wooded home site, a backyard shade tree or a row of trees lining a community's street, they all serve a purpose and provide benefits such as shade, color, beauty, wildlife habitat, clean water, air and increase property values.

Celebrating **60** years, the **Crawford County Conservation District** is proud to offer this fine selection of tree seedlings. Our seedling sale is an annual fundraiser that supports local programs like the *Envirothon*, *Birth of a Tree* as well as our *Weekly Educational Programs*, and other Woodcock Creek Nature Center activities. By ordering and planting seedlings, you are not only supporting environmental education, you are making Crawford County a better place.

New in 2016, we are accepting **donations** towards our environmental education program. Even if you are limited by space and are not able to make a purchase, please consider making a donation in support of environmental education here in Crawford County.

Trees are **preordered** and then **prepackaged** for your convenience.

Tree order deadline is March 31, 2016

Tree sale pick-up is Friday, April 22, 2016

Crawford County Fairgrounds
13291 Dickson Road, Meadville, PA 16335
Gate # 1, Home Show Building # 2 (new location)
10:00 a.m. to 6:00 p.m.

Help your environment and plant trees!

www.crawfordconservation.org



TRANSPLANT DEFINITION:



Transplant
4 years old

A **transplant** is a seedling which has been moved to another bed and set out separately a few inches apart. A (3-1) transplant has been in the seedling bed for three years and a transplant bed for one year. A (2-2) transplant has been in the seedling bed for two years and a transplant bed for two years. The transplant is hardier than a seedling. It has a thicker stem, more branching and a more extensive root system; it is not necessarily taller.

SEEDLING DEFINITION:



Bare-root
Seedling
1-3 years
old

A **seedling** is a tree which has been grown in the planting bed in which it was sown for one (1-0), two (2-0) or three (3-0) years.

CONIFER & EVERGREEN SEEDLINGS

Note: (F) Recommend planting in conjunction with fencing.

Norway Spruce (*Picea abies*)



10-20" 3 year seedlings

One of the fastest growing spruces with short deep green needles. Grows to 75-80 feet. Makes a charming Christmas tree, ornamental specimen, or a protective windbreak. Prefers well drained soils but can grow where soils are moist. **(25/\$16.50)**

White Spruce (*Picea glauca*)



10-20" 4 year seedlings

Very hardy, compact tree with short bluish-green needles. Fast rate of growth for Christmas trees, ornamentals and windbreaks. Tolerates a wide variety of soils. **(25/\$16.50)**

Eastern White Pine (*Pinus strobus*)



6-8" 3 year seedlings

A rapid-growing pine with bundles of five, soft, bluish-green needles. The largest growing conifer in the northeast can reach to a height of 75-100 feet. Makes an excellent ornamental, Christmas tree or windbreak. It is adapted to a wide variety of soils and climatic conditions. Eastern White Pine will grow in almost all Crawford County soils that do not have standing water. **(25/\$16.50)**

Canadian Hemlock (*Tsuga canadensis*)



12-15" 4 year transplant, (2-2)

Our Pennsylvania State Tree! Good for privacy or hedges and provides excellent cover and a seed source for wildlife. Pyramidal shape with soft, short dark green needles on widely spaced branches. Well suited for shade, grows up to 70 feet tall. Prefers well-drained soils. **(F) (25/\$30.00)**

NEW THIS YEAR THESE SPECIES HAVE TWO DIFFERENT BUNDLE SIZES.

Eastern Red Cedar (*Juniperus virginiana*)



10-18" 2 year seedlings

A fast-growing, dense pyramidal evergreen which grows up to 50 feet tall with a width of 8-20 feet. By autumn it develops dark blue, fleshy, highly aromatic, berry-like cones which are food for birds and small mammals. Requires full sunlight and prefers rich, moist, well-drained soils. Used for landscaping and is excellent for hedges and screens. **(12/\$8.50) or (25/\$16.50)**

White Cedar (*Thuja occidentalis*)



NEW THIS YEAR!

12-18" 3 year seedlings

This medium-sized tree grows to a height of 25 to 50 feet. Sometimes referred to as the "Swamp Cedar" it typically is found growing on limestone soils in moist to boggy habitats. Where the tree is common its soft but brittle wood is used for fences, shingles and small articles. The tree also is used in ornamental plantings. White-tailed deer use arborvitae thickets in winter, and smaller mammals as well as birds feed on its seeds. **(F) (12/\$25.00) or (25/\$50.00)**

Douglas Fir (*Pseudotsuga menziesii*)



18-24" 3 year seedling

Grows to 60 feet. Short, soft blue-green needles. Grows best in moist, well drained soil. Will not do well in heavy, wet, clay soil. A popular Christmas tree because of its color, symmetrical form and needle retention. **(F) (12/\$13.00) or (25/\$25.00)**

Concolor Fir (*Abies concolor*)

NEW THIS YEAR!



8-12" 5 year transplant, (2-3)

Also known as White Fir. Grows to 100 feet. Concolor Fir is one of the most beautiful and easy to care for evergreens. Ashy gray trunk and soft silvery-blue foliage. One of the best Christmas trees. Holds needles best of any short needled tree. Needs good drainage. **(F) (12/\$15.50) or (25/\$30.00)**

DECIDUOUS TREE & SHRUB SEEDLINGS

Note:(F) Recommend planting in conjunction with fencing.
(♦) Recommend planting in conjunction with tree shelters.

Red Oak (*Quercus rubra*)



18-24" seedlings

A deciduous tree that grows 75-80 feet tall. Prefers well-drained soils. Dense green foliage turns a deep red in the fall. The fastest growing of all the oaks. Excellent for a wide variety of uses. Produces 1 inch acorns highly desired by wildlife. The wood is commercially valuable to the lumber and furniture markets. (♦) (10/\$16.00)

English Oak (*Fastigiata*) (*Quercus robur*)



24-30" 3 year seedlings

A large long-lived deciduous tree in the white oak family. It grows to 80-100 feet with a wide spreading crown. A fast-growing tree that works well as a shade tree or in fence rows. It produces an abundance of large highly-prized acorns within 10-15 years. Grows best in full sun and moderately well-drained soils. (♦) (10/\$14.00)

Swamp White Oak (*Quercus bicolor*)



NEW THIS YEAR! 18-24" seedlings

This deciduous native tree reaches 50 to 70 feet in height and forms an impressive shade tree. The shiny, dark green leaves have fine white hairs on their underside. In fall, the leaves turn a showy yellow/brown to red before dropping. The oval, 1-inch acorns are quite attractive to a variety of mammals and birds. Prefers moist, acidic soils in low-lying areas along creeks or swampy areas. Requires full sun. (♦) (10/\$16.00)

Sugar Maple (*Acer saccharum*)



12-18" seedling

A Pennsylvania native with brilliant scarlet, orange and yellow fall foliage. Mature trees can provide sap in the spring to produce maple syrup. Its spreading crown works well for backyard shade and it can also be grown for timber production. Grows best in dry to well-drained soils. Will grow to 75 feet tall. (♦) (10/\$14.00)

Black Cherry (*Prunus serotina*)



36-48" seedling

Also known as Wild Black Cherry, a tree native to Pennsylvania. Black Cherry has dense foliage with hanging clusters of white flowers appearing in May, followed by dark red to purple-black cherries in August. Excellent as an ornamental, grown for timber production, or wildlife attractant. Wet soils should be avoided. (♦) (10/\$16.00)

White Flowering Dogwood (*Cornus florida*)



12-15" 1 year seedlings

This native flowering tree grows about 30 feet tall. In early spring it is covered with white-petaled flowers, in early fall with red berries and beautiful crimson leaves. These shiny red fruits are eaten by many birds and animals, and last from September through December. It is a beautiful backyard tree and likes well drained but moist sites. (♦ or F)

(10/\$14.00)

Persimmon (*Diospyros virginiana*)



NEW THIS YEAR!

12-18" seedling

Common Persimmon is a small fruit-producing tree native to Pennsylvania. It can grow to 50-60 ft in height and can grow in clay soils. Persimmon is moderately shade tolerant so it can be planted in full sun or in the under story. The tree produces a small delicious berry that is used by humans and wildlife alike.

Trees are male and female so plant multiple trees for good fruit production. (F) (10/\$14.00)

Paw Paw (*Asimina triloba*)



NEW THIS YEAR!

18-24" 2 year seedling

This beautiful native tree does well in fertile soil that is well drained and slightly acidic and can be planted in shade to full sun. Landscape interest with purple flowers in spring, green waxy leaves in summer, golden fall color and edible fruit. The fruit has a high amount of protein, minerals,

amino acids and antioxidants. (F) (5/\$20.00)

American Hazelnut (*Corylus americana*)



12-18" seedling

Small multi-stemmed tree producing edible nuts known as Filberts. The Hazelnut is a wonderful source of food for human consumption and wildlife. This small fast growing tree will reach 10-15 feet in height. (F) (10/\$16.00)

American Chestnut Hybrid (*Castanea dentata x*)



NEW THIS YEAR!

8-10" 1 year seedling

A fast growing hybrid reaching a height of 80 to 100 feet. Best planted in full sun in well drained soil. Although both male and female flowers can be produced on the same tree, they need another American Chestnut for good pollination and nut production.

Therefore, you should plant a minimum of two trees. This hybrid should start producing rich, flavorful, edible nuts in about 13 to 15 years. These trees are not guaranteed to be blight resistant nor pure *Castanea dentata*. (♦ or F) (5/\$18.00)

BERRIES

American Elderberry (*Sambucus canadensis*)



18-24" seedlings

Vigorous fast growing multi-stemmed shrub with large, flat-topped white flowers in June-July followed by bluish-black berries. Berries can be used for making jelly, preserves, pies and wine. The berries are also a food source for wildlife. **(F) (10/\$16.00)**

Blueberry Package



Our gallon blueberry containers give you larger plants with better developed root systems. Every blueberry grown in a gallon container is 2 years old, which means it will bear fruit quicker and produce large crops sooner. **Receive one of each: (F) (2/\$18.00)**

Blue Ray

An old favorite that is a heavy producer of high quality, large, powder blue berries. They have an outstanding dessert flavor. The open and upright bush will exhibit lovely burgundy leaves in the fall. The leading variety of u-pick markets. Blueberries are acid soil lovers.

Patriot

Early season, large tangy sweet berries. Patriot is good for home gardeners who desire a cold-hardy variety that bears consistent crops. It is adaptable to many soil types and may perform better in wetter soils than many other varieties. Patriot makes an excellent landscape variety with its showy white blooms in the spring, dark green summer foliage and orange-red fall colors.

Heritage Red Raspberries



NEW THIS YEAR!

Transplants are 1/4" and up at collar, single or double branched.

This berry ripens in both June and early September. Produces high yielding fruit with a good sweet flavor. Red Raspberries are a reliable favorite for making jam, jelly, pies and wine. **(5/\$13.00)**

FRUIT TREES

With only a small amount of space, any home gardener can enjoy a wide range of delicious fruits. **Start your backyard fruit tree orchard by purchasing these fine semi-dwarf, 4-6 feet bare root trees. Each fruit tree will be labeled and are individually packaged.**

Apple Trees

Best to order 2 species for pollination.

Golden Delicious



NEW THIS YEAR!

Golden Delicious apples are pale green to golden yellow in color and speckled with small lenticels (spots). It is a favorite for salads, apple sauce, and apple butter. One of the best pollinators for other varieties. Best as a short-storage eating apple. Ripens mid Sept. to Oct. **(F) (1/\$20.00)**

Northern Spy



Northern Spy is a very old-fashioned American variety which retains its popularity. It is a typical winter apple variety, picked in late October or early November, and then used through the winter months. Juicy, crisp and mildly sweet with a rich, aromatic sub-acid

flavor, noted for high vitamin C content. More tart and crunchier than most, it is a good dessert and pie apple that is also used for juice and cider. **(F) (1/\$20.00)**

Honey Crisp



The fruit is mostly orange-red with a yellow background. This crisp, juicy, sweet-tart apple has a rich flavor that has made it #1 in taste panels. The fruit averages 3 inches. Outstanding winter hardiness gives this variety excellent potential for northern growing regions. This apple is

good for snacking, salads and sauce-making, and stores well. **(F) (1/\$20.00)**

Granny Smith



Granny Smith is a versatile apple, great for eating fresh, but is also a good apple for sweet and savory salads (since it does not go brown readily) and a good choice for apple pies - (slices keep their shape when cooked). The skin is an attractive bright green color.

(F) (1/\$20.00)

Pear Trees

Order one of each for required pollination.

Bartlett



This multi-purpose pear is a long-standing favorite of orchard and home fruit enthusiasts alike. A large, heavy-bearing variety with excellent quality. A favorite for all uses and considered one of the best canning varieties. Bartlett

requires cross pollination and ripens in late August. The leaves turn from green to yellow in the fall. It requires full sun, good moisture in the soil along with good drainage. **(F) (1/\$21.00)**

Clapp's Favorite



The pears are greenish-yellow with a hint of red and are sweet, delicious, and full of flavor; quite good for cooking, as well as bottling or canning. The pears are normally harvested from mid-August to late September and, unlike most pears, they ripen just fine if left on the tree. If pruned correctly,

Clapp's Favorite pear tree is a great addition to small gardens. It also attracts pollinating insects such as bees, which are drawn to the tree's flowers for nectar. **(F) (1/\$21.00)**

Peach Trees

Sunhigh



Sunhigh has been an important commercial variety for many years. The fruit is large, freestone, of exceptional quality and considered one of the best varieties for canning or freezing. **(F) (1/\$21.00)**

Victoria



Victoria is large, very firm yellow freestone peach with excellent flavor. The fruit hangs on the tree very well compared to other late season varieties. **(F) (1/\$21.00)**

Cherry Trees

Balaton



The Balaton cherry is a newer variety, becoming more and more popular as a fresh eating cherry. Balaton's are a large plump, firm tart cherry, they have a dark burgundy color throughout with a robust sweet tart taste. **(F) (1/\$21.00)**

Lapins



Is a beautiful blooming tree with exceptional fruit; it is a small sized tree that can fit into any landscape. In early spring your Lapins Cherry will be smothered in brilliant white blossoms, making it a showstopper that will brighten any landscape and

in the fall will delight yet again with beautiful autumn colors. Self pollinating, with split-resistant skin. These sweet cherries are delicious right off the tree and wonderful for baking. **(F) (1/\$21.00)**

TREE PROTECTION

Max Grow Tree Shelter Tubes



60" tubes with 72" oak stakes

Max Grow Tree Shelter Tubes provides a mini-greenhouse on each seedling which accelerates growth, reduces drought stress, increases terminal stem and roots development, and provide basic weed control. Protect your seedlings from animals, wind damage, and climate conditions. Provided in a nest of five tubes ranging in diameter from 3.5" to 4.75". Made in the USA of 100% recycled materials. **(5/\$25.00)**

(F) Fencing



NEW THIS YEAR!

Protect your tree investment. This welded wire fence is one of the most versatile mesh fencing products. It is flexible and easy to manipulate into a circle but sturdy enough to withstand harsh conditions and last for years. Includes two 5 foot metal stakes for extra support. **(1/\$20.00)**

MISCELLANEOUS

Bat House



Locally hand crafted and made of unfinished pine. Comes assembled with instructions. One bat is capable of capturing 500-1,000 mosquitoes in one hour! **(1/\$30.00)**

Bluebird House Kit



Assemble your own bluebird house. Included in the kit are precut pine boards and instructions for your fun family project. **(1/\$14.00)**

Wood Duck Nest Box



NEW THIS YEAR!

Locally hand crafted and made of unfinished hemlock. Place one box per five acres of wetlands. Wood Ducks inhabit slow-moving creeks, woodland ponds, lakes, swamps, marshes, wetlands and flooded trees. Boxes should be ready for occupancy by March 1, and may also be used by kestrels,

screech owls, mergansers and squirrels. **(1/\$55.00)**

Rain Wizard 50 Rain Barrel



When drought sets in and rain is short, rain barrels can provide that precious water you need for your lawn, garden and tree seedlings. The Rain Wizard features an attractive faux oak barrel design so it naturally fits in with your landscape. Its plastic screen mesh is newly designed to keep out bugs, animals, and debris while still being easy to remove for cleaning and maintenance. A front side overflow keeps water from flooding against your outside

wall. The flat-back design is one of the most convenient features as it allows your barrel to sit right up against your home so you don't have to worry about purchasing excess downspout parts. Made in the USA. **(1/\$80.00)**

Black Recycled Plastic Compost Tumbler



Turn your household waste into efficient natural fertilizer with this durable polyethylene compost tumbler. Its generous 52-gallon, 7 cubic feet capacity gives you plenty of room to make all the compost you need to fertilize your garden or landscape. The tumbler rotates to mix compost,

so you don't have to exert yourself with heavy stirring. You just turn it easily on its glide posts once a week to distribute the nutrients and oxygen in your compost for optimal results. Air vents create ventilation for added efficiency and convenience. Made of durable 100% recycled polyethylene plastic. Dimensions: 30L x 22W x 23H inches. Made in the USA. **(1/\$125.00)**

SEED MIXES

Northeast Annual & Perennial Wildflower Mix



Cosmos, Cornflower, Lance Leaved Coreopsis, Perennial Blue Flax, Sulphur Cosmos, Plains Coreopsis, Wallflower, Bigleaf Lupine, Corn Poppy, Dame's Rocket, Ox Eye Daisy, Black Eyed Susan, Purple Coneflower, Cornflower/Bachelor's Button tall Mixed, Perennial Gaillardia, Annual Gaillardia, Annual Baby's

Breath, Grey Headed Coneflower, California Poppy, Brown Eyed Susan, Wild Bergamot. Provides up to 5 years of color, and attracts a variety of birds and butterflies. Well drained soils. **Covers 125 sq. feet. (1 oz. Packet/\$4.00)**

Butterfly & Hummingbird Garden Mix



Little Bluestem, Corn Poppy/Shirley Mix, Lance Leaved Coreopsis, Plains Coreopsis, Cosmos, Sweet William, Catchfly, Bigleaf Lupine, Indiangrass, Rocket Larkspur, Purple Coneflower, Black Eyed Susan, Virginia, Wild Rye, Marsh Blazing Star, Perennial Gaillardia, Wild Bergamot, New

England Aster, Scarlet Flax, Common Milkweed, Butterfly Milkweed. A beautiful mix of native and naturalized wildflowers and grasses designed to attract nectar loving pollinators such as native bees, insects and hummingbirds. Well drained soils. **Covers 125 sq. feet. (1 oz. Packet/\$4.00)**

Keystone Deer & Turkey Habitat Mix



White Clover, 'Ladino' and New Zealand, Vernal Alfalfa, Orchard Grass, Perennial Ryegrass, Tetraploid. This mixture of perennial legumes and grasses combines erosion control with an attractive source of protein and fiber for deer. It can be used on logging roads or woods

openings. Sow seeds in the spring or fall in full sun and well drained soils. **Seeding Rate 30 lb. per acre. (5 lbs./\$25.00)**

Keystone Big Buck Mix



White Clover, 'Ladino', New Zealand, Alfalfa, Small Burnet Red Clover This mix of not-native legumes and forbs attract deer year-round.

Seeding Rate 30 lb. per acre, or 1 lb. per 1,000 square feet (5 lbs./\$28.00)

DONATION

Educational Donation

NEW THIS YEAR!

Flooding, soil loss, timber harvesting and invasive species control are just a few of the topics that the staff at the Conservation District not only assist landowners with every day, but dedicate the time to educate the youth of Crawford County. Your contribution to our educational fund will help ensure that these efforts will continue. Just \$20 helps to cover the cost of putting on a program that has the potential to reach 100 students. **(\$20.00)**

We owe our success to you! Last year we sold 7,035 tree seedlings, 215 fruit trees, 160 blueberry bushes, and 500 elderberry bushes.

Those sales allowed the Woodcock Creek Nature Center to offer 49 environmental education programs, several school class room visits, Birth of Tree program, Envirothon training day, Envirothon scholarships to send the winning team to compete at the state level, field trips, and community outreach. We have reached out to well over 3,000 individuals throughout the northwest region.

Want to calculate the value of a tree on your property? Check out this website:

www.treebenefits.com/calculator

Did you know?

- Tree roots stabilize the soil and prevent erosion.
- Trees improve water quality by slowing and filtering rain water as well as protecting aquifers and watersheds.
- Trees reduce noise pollution by acting as sound barriers.
- Trees keep our air supply fresh by absorbing carbon dioxide and producing oxygen.

The survival rate of your purchased seedlings is dependent upon many factors. Soil type and moisture content, sun and shade requirements, planting period, and planting procedure all play a role in seedling success. The Conservation District makes all efforts to reduce root stress and provide you with a healthy, viable seedling. The Conservation District is NOT responsible for seedling survival after purchase and transport. Seedling care and planting instructions are provided with every purchase to ensure you the best possible chance of successful transport and planting of your seedlings.

Seedling pickup is Friday, April 22, 2016.

PICK UP SITE:

**Crawford County Fair Grounds
13291 Dickson Road, Meadville, PA 16335
Gate # 1, Home Show Building # 2
(10 a.m. - 6 p.m.)**

**Any questions please call Laura at
814-763-5269 or email –
trees@crawfordconservation.org**

**Reminder post cards will be mailed
one week prior to pick up.**

Thank you for your order,

The Crawford County Conservation District Staff
Tracey, Brian, Maria, Kathy, Jared, Breann and Laura

	Qty. Per Bundle	Cost per Bundle	# of Bundles	Total
Norway Spruce	25	\$16.50		
White Spruce	25	\$16.50		
Eastern White Pine	25	\$16.50		
Canadian Hemlock (F)	25	\$30.00		
Eastern Red Cedar	12	\$8.50		
	25	\$16.50		
White Cedar (F)	12	\$25.00		
	25	\$50.00		
Douglas Fir (F)	12	\$13.00		
	25	\$25.00		
Concolor Fir (F)	12	\$15.50		
	25	\$30.00		
Red Oak (♦)	10	\$16.00		
English Oak (♦)	10	\$14.00		
Swamp White Oak (♦)	10	\$16.00		
Sugar Maple (♦)	10	\$14.00		
Black Cherry (♦)	10	\$16.00		
White Flowering Dogwood (♦ or F)	10	\$14.00		
Persimmon (F)	10	\$14.00		
Paw Paw (F)	5	\$20.00		
American Hazelnut (F)	10	\$16.00		
American Chestnut Hybrid (♦ or F)	5	\$18.00		
American Elderberry (F)	10	\$16.00		
Blueberry Package (F)	2	\$18.00		
Heritage Red Raspberries	5	\$13.00		
Golden Delicious (F)	1	\$20.00		
Northern Spy (F)	1	\$20.00		
Honey Crisp (F)	1	\$20.00		
Granny Smith (F)	1	\$20.00		
Bartlett (F)	1	\$21.00		
Clapp's Favorite (F)	1	\$21.00		
Sunhigh (F)	1	\$21.00		
Victoria (F)	1	\$21.00		
Balaton(F)	1	\$21.00		
Lapins (F)	1	\$21.00		

	Qty. Per Bundle	Cost per Bundle	# of Bundles	Total
Bat House	1	\$30.00		
Blue Bird House Kit	1	\$14.00		
Wood Duck Nest Box	1	\$55.00		
Rain Barrel	1	\$80.00		
Compost Tumbler	1	\$125.00		
Max Grow Tree Shelter Tubes	5	\$25.00		
Fencing	1	\$20.00		
NE Annual & Perennial Wildflower Mix	1 oz. pkt.	\$4.00		
Butterfly & Hummingbird Garden Mix	1 oz. pkt.	\$4.00		
Keystone Deer & Turkey Mix	5 lbs.	\$25.00		
Keystone Big Buck Mix	5 lbs.	\$28.00		
Subtotal				
Sales Tax 6%				
Educational Donation \$20.00				
Total Due				
Check #				

2016 Tree Seedling Sale Order Form

Order Deadline March 31, 2016

Please complete order form make check payable to
CCCD and mail to:

Crawford County Conservation District
21742 German Road
Meadville, PA 16335
www.crawfordconservation.org

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (____) _____

Email: _____

Note:

(F) Recommend planting in conjunction with fencing.
(♦) Recommend planting in conjunction with tree shelters.