

2008 Tree Seedling Sale



Dear Tree Sale Customers:

Welcome to the Crawford County Conservation District's 29th annual tree seedling sale! As most of you know, we hold a seedling sale for two reasons: (1) to encourage reforestation, erosion control, and wildlife habitat by making seedlings available to landowners at a low cost and (2) to raise money for the District's Environmental Education Fund, which benefits schools and youth groups in Crawford County. This event has allowed hundreds of thousands of trees to be planted in Crawford County. Additionally, many teacher and student scholarships, educational programs, and materials have been supplied to Crawford County schools and youth groups.

Trees are preordered and then delivered ready for pick-up on April 18, 2008. If you would like to order trees, please fill in the enclosed order form and return it to our office with your payment no later than March 22nd. Check out our web site at www.crawfordconservation.com for additional information and order forms. You will receive a postcard the week before tree pick-up time to remind you to pick up your selections. Pick-up stations this year are at the Crawford County Fair Youth Show Arena (Gate 3) and at the Knapping Knapp Farm on Thompson Run Road north of Titusville. Please indicate your pick-up choice on your order form.

We strive to provide trees and shrubs that are native to the U.S. and that have a good chance of thriving in Crawford County soils. In addition to our usual varieties, we are offering Sargent Crabapple, Shadblow Serviceberry, Red Mulberry, Osage Orange, Silky Dogwood, Spicebush and Elderberry this year. (Many thanks go to Mark Lewis, of the PA DCNR Bureau of Forestry, for his help with the selection.)

We hope that you will take this opportunity to order trees from us. Your continued participation and support are very much appreciated. When you plant trees, you are doing your part for conservation, and benefiting everyone.

Sincerely,

Lynn Sandieson
District Manager

CONIFERS: *The conifers are evergreens, keeping their needles year round. Conifers have dense crowns and tapering trunks. They offer good protection and cover for wildlife and can be used for windbreaks, hedges, and living snow fences.*

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

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



Colorado Blue Spruce (*Picea pungens*) 8-18" 4 yrs. (Non-native, Non-invasive)

One of the finest trees for Christmas tree, ornamental and windbreak use. Color ranges from blue-green to silvery blue. It is slow growing and has thick branches. It can grow in most soils. (25/ \$15)

Norway Spruce (*Picea abies*) 12-24" 4 yrs. (Non-native, Non-invasive)

Fastest growing spruce. Short-needled tree with deep green color. Used for ornamentals, Christmas trees and reforestation use. Prefers well drained soil. (25/ \$15)

White Spruce (*Picea glauca*) 7-14" 3 yrs. (Native)

Very hardy, compact tree with short blue green needles. Fast rate of growth for Christmas trees, ornamentals and windbreaks. Tolerates wide variety of soils. (25/ \$14)

Douglas Fir (Lincoln) (*Pseudotsuga menziesii*) 12-26" 4 yrs. (Non-native, Non-invasive)

A fast growing tree, the Douglas has short, flat needles and is dark green in color. It can be used for ornamentals, Christmas trees, and timber. Requires a fairly dry soil site. ₣ (25/ \$15)

Canadian Hemlock (*Tsuga Canadensis*) 12-20" 4 yrs. (Native)

Our state tree, hemlock has a graceful and dense crown with drooping branch tips. The short, dark green needles are flat with white undersides. Hemlock grows in cool moist valleys, ravines, rocky ridges and other protected areas. This tree is very tolerant of shade and needs some protection for best growth. Will grow in well-drained to wet soils. Although Eastern Canadian Hemlock has shown itself to be susceptible to Hemlock Wooley Adelgid, we continue to offer this species because of its tremendous role as a native conifer in our Northwest Pennsylvania forest. The Adelgid has not yet reached our area and there is a continuing effort to provide a biological control for this insect. As of this date, you may continue to purchase Eastern Canadian Hemlock with confidence. ₣ (25/ \$16)

Red Cedar (Eastern) (*Juniperus virginiana*) 6-12" 3yrs. (Native)

A fast growing, dense pyramidal evergreen which grows up to a height of 50 feet and 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. Grows well in a variety of soils, ideal for swampy areas in full sun. (25/ \$15)

White Pine (Eastern) (*Pinus strobus*) 5-10" 3yrs. (Native)

The largest growing conifer in the northeast. It is a long needled pine that grows to a height of 75-100 feet with a diameter of 2-4 feet. It is adapted to a wide range of soils but prefers moist sandy loam soils. Will grow in almost all Crawford County soils that do not have standing water. (25/ \$15)

NEW CONIFERS:

American Red Pine (*Pinus resinosa*) 8-15" 3 yrs. (Native)

A rapid-growing pine with long flexible dark green needles. A very hardy pine, it grows well in a wide variety of soils. Most often used in plantation settings but can also be planted for use in windbreaks and as Christmas trees. A popular pine for our region! Grows to 75 ft. (25/ \$15)

DECIDUOUS TREES: *Deciduous trees are usually hardwood trees (such as maples, oaks, or elms), which drop their leaves or fruit at seasonal intervals and go through a state of dormancy over the winter.*

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

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

Northern Red Oak (*Quercus rubra*) 36-48" 3 yrs. (Native)

A deciduous tree growing to 75-80 feet tall. Grows best in deep 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" acorns highly valued by wildlife. The wood is commercially valuable to the lumber and furniture markets. Should be planted in conjunction with tree shelters. ♦ (10/ \$14)

White Oak (*Quercus alba*) 24-36" 2 yrs. (Native)

A deciduous tree growing 80-100 feet tall. Grows best in well drained to sandy soils. Foliage is a dense blue-green turning reddish brown in the fall. They are also an excellent species to plant for wildlife, as they produce large, sweet acorns. Should be planted in conjunction with tree shelters. ♦ (10/ \$14)

Black Cherry (*Prunus serotina*) 12-18" 2 yrs. (Native)

Also known as wild black cherry, a tree native to Pennsylvania. 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/ \$12)

Sugar Maple (*Acer saccharum*) 12-24" 2 yrs. (Native)

A Pennsylvania native with brilliant scarlet, orange and yellow fall foliage. Mature trees can provide sugar products from sap in the spring. 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/ \$12)

American Sycamore (*Plantanus occidentalis*) 10-18" 2 yrs. (Native)

Also known as American Planetree. A large, picturesque shade tree which is rapid growing and reaches 75 to 100 feet in height. Grows well in moist soils and does well along streams. ♦ (10/ \$12)

NEW TREES :

Sargent Crabapple (*Malus sargentii*) 24-36" 3 yr. (Native)

A small tree growing to 12 feet in height with a wide spreading crown. White and pink flowers develop in May and red crabapples are soon to follow. Crabapples are a favored fruit for songbirds and many species of wildlife. Grows in many types of soils but prefers drier sites. ♦ (10/ \$14)

Shadblow Serviceberry (*Amelanchier canadensis*) 6-12" 2 yrs. (Native)

Also known as Juneberry, one of the first native trees to bloom in early spring. Serviceberries are covered with billowy masses of small white flowers in racemes. Berry-like edible fruits in summer are maroon-red. These fruits are quite attractive to birds. Grows well in moderate to dry soils and can reach the height of 25 to 35 feet. ♦ (10/ \$12)

Osage Orange (*Maclura pomifera*) 6-12" 2 yrs. (Native)

A vigorous tree growing to 40 feet. It is distinguished by its yellow-green, orange shaped inedible fruit. While not favored by many species of wildlife, the fruit has gained notoriety for its ability to deter spiders, cockroaches, box elder bugs, crickets, fleas, and other insects. It is often planted as a field hedge, in windbreaks, and for soil stabilization. Grows well in moderate to dry soils. ♦ (10/ \$12)

Red Mulberry (*Morus rubra*) 12-24" 4 yrs. (Native)

Fast growing hardwood with a broad spreading crown growing to a height of 30 to 50 feet. Prefers warm, well drained soil, but widely adaptable to many soil conditions. Fruits are a favorite of people, birds, and small mammals. Mulberries produce excellent jam, jelly, juice and flavorful wine. ♦ (10/ \$14)

SHRUBS: *Shrubs are woody plants, distinguished from a tree by its multiple stems and lower height, usually less than 20 feet tall.*

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

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

American Cranberrybush (*Viburnum trilobum*) 24-48" 4 yrs. (Native)

A deciduous shrub growing 8-12 feet tall and having a spread of 8-12 feet. It has clusters of white flowers. Scarlet berries, midsummer through winter, which provide food for many species of birds. Will tolerate wet conditions and is a fast grower. ₣ (10/ \$16)

Buttonbush (*Cephalanthus occidentalis*) 12-18" 2 yrs. (Native)

A native shrub that will thrive in wet swampy conditions and low lying areas. It blooms July and August with cream colored flowers that develop into nutlet type fruits. A good source of nectar for butterflies and seeds for ducks and deer. Matures to 6-12'. ₣ (10/ \$12)

NEW SHRUBS:

Silky Dogwood (*Cornus amomum*) 18-24" 2 yrs. (Native)

Shrub form of dogwood producing good wildlife cover and feed for birds. Berries produced are a pale blue with foliage turning a deep red in fall. Grows to 9 feet. Grows best in well drained moist soil and is very good for soil erosion on banks. (10/ \$14)

American Elder (Elderberry) (*Sambucus canadensis*) 12-36" 2 yr. (Native)

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. Any type of soil. Wetland tolerant. (5/ \$12)

Spicebush (*Lindera benzoin*) (Potted plant in gallon size container) (Native)

A small wide shrub, usually not more than 8 to 10 feet in height. Spicebush has very fragrant leaves and bark, when crushed. The flowers of this plant bloom in March and April and are small and pale yellow in color, The fruits of Spicebush turn bright red in the late summer and early autumn. The red berries called drupes provide food for many species of birds and wildlife. Grows well in moderate to dry soils. ₣ (\$6.50 per plant)

Limited Quantities Call

SEED MIXES:

- (A) **N.E. Annual & Perennial Wildflower Mix:** Covers 100 sq. feet (1 oz. Packet/ \$3.75) (Native & Non-native)
Siberian Wallflower, Scarlet Flax, Dwarf Cornflower, Perennial Blue Lupine, Coreopsis, Daisies, Pinks, Poppies, Primrose, Foxgloves, Coneflower, Columbine, Dame's Rocket, Snapdragon. Provides up to 5 years of color. Attracts a variety of birds and butterflies.
- (B) **Keystone Deer & Turkey:** Covers 10,000 sq. feet (5 lbs/ \$20.00)
Ladino and New Zealand White Clover, Vernal Alfalfa, Orchard Grass, Faithful Tetraploid Perennial Ryegrass
- (C) **New- Keystone Big Buck Mix:** Covers 5,000 sq. feet (5 lbs/ \$20.00)
Ladino and New Zealand White Clover, Vernal Alfalfa, Forage Brassica, Small Burnet. This high protein forage is most effective in attracting deer for morning and evening grazing.
- (D) **Erosion Control Native Grass Mix:** Covers 1000 sq. feet (5 lbs/ \$6.50)
Creeping Red Fescue, Annual Ryegrass, Perennial Indi Ryegrass, Perennial Saint Ryegrass

♦ **TREE SHELTER KIT:**

The kit includes a 53" shelter, a net topper and a 60" white oak stake. We highly recommend these shelters for protection of your seedlings. The seedlings marked with ♦ we recommend planting in conjunction with tree shelters. Deer can't get to the tender tree and growth is enhanced by the "greenhouse effect" of the shelter. (1/ \$4.50)

2008 Tree Seedling Sale Order Form

Order Deadline March 22, 2008

Please complete order form and mail with payment to:

Crawford Conservation District
21742 German Road Meadville, PA 16335

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (_____) _____

Seedling pickup is Friday, April 18, 2008

Please check your preferred pickup site:

_____ **Meadville (10 a.m. - 7 p.m. Fairgrounds)**

_____ **Titusville (Noon to 1 p.m.)**

DISTRIBUTION LOCATIONS!!!

Meadville: Tree sale distribution will be at the Crawford County Fairgrounds at the Youth Show Arena, Gate #3 (814/763-5269).

10:00 a.m. to 7:00 p.m.

Titusville: Distribution will be at the Knapping Knapp Farm, three miles north of Titusville on Thompson Run Road (814/827-1092).

Noon to 1:00 p.m.

Orders will be prepackaged for your convenience. **Trees are guaranteed healthy upon delivery or money back.** A bundle of 25 bare root seedlings can fit in one hand.

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

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

We are not responsible for seedlings not picked up on time. There are no refunds on seedlings or seed packets not picked up. Orders not picked up on April 18, 2008 will become a donation.

Seedlings:	Qty per Bundle	Cost per Bundle	# of Bundles	TOTAL
Colorado Blue Spruce	25	\$15.00		
Norway Spruce	25	\$15.00		
White Spruce	25	\$14.00		
Douglas Fir (Lincoln) ₣	25	\$15.00		
Canadian Hemlock (Eastern) ₣	25	\$16.00		
Red Cedar	25	\$15.00		
White Pine (Eastern)	25	\$15.00		
American Red Pine	25	\$15.00		
Red Oak ♦	10	\$14.00		
White Oak ♦	10	\$14.00		
Black Cherry ♦	10	\$12.00		
Sugar Maple ♦	10	\$12.00		
American Sycamore ♦	10	\$12.00		
Sargent Crabapple (NEW)♦	10	\$14.00		
Shadblow Serviceberry (NEW)♦	10	\$12.00		
Osage Orange (NEW) ♦	10	\$12.00		
Red Mulberry (NEW) ♦	10	\$14.00		
American Cranberrybush ₣	10	\$16.00		
Buttonbush ₣	10	\$12.00		
Silky Dogwood (NEW)	10	\$14.00		
Elderberry (NEW)	5	\$12.00		
Spicebush (NEW) ₣	1	\$6.50		
Seed Mix (A) N.E. Annual/Perennial Wildflower	1 oz Pkt.	\$3.75		
Seed Mix (B) Keystone Deer and Turkey	5 lbs.	\$20.00		
Seed Mix (C) Keystone Big Buck Mix	5 lbs.	\$20.00		
Seed Mix (D) Erosion Control Native Grass Mix	5 lbs.	\$6.50		
Tree Shelter Kit ♦	1	\$4.50		
Total (Price Already Includes PA State Sales Tax)		\$		