



## 2010–2011 SEEDLING CATALOG



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State Tree Nursery**
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## About the Nursery



Clements State Tree Nursery, located in Mason County along the Ohio River, sits on property once owned by the grandparents of the famous American author Mark Twain. Bare-root seedlings have been produced here for almost half a century. In recent years, the nursery has produced 1 to 2 million seedlings annually.

The nursery sells these seedlings to landowners in West Virginia and its surrounding states for the purposes of reforestation, coal mine reclamation, wildlife cover and Christmas tree production. Most of the seedling species are native to West Virginia and all are genetically suitable for success not only in West Virginia, but also in the neighboring states.

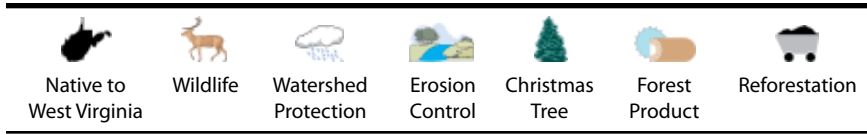
Landowners may order seedlings each year from Oct. 1 through April. Shipping begins Thanksgiving week and runs through April (weather permitting).

Seedling orders can be paid over the phone with a credit card, or by mail with a check or money order.

Quantities as small as 25 may be purchased, so whether you need to plant one acre or 50, we have the product to meet every landowner's needs.



# Conifers



## White Pine (*Pinus Strobus*)



Needles – 2 to 4 inches long, flexible, groups of 5. Site – well-drained, moist sandy or clay loam soils. Growth habit – large tree, 60 to 100 feet high.

## Scotch Pine (*Pinus Sylvestris*)



Needles – 1 to 3 inches long, groups of 2. Site – well-drained, dry soils of lower fertility. Growth habit – medium-sized tree, 50 to 80 feet high.

## Red Pine (*Pinus Resinosa*)



Needles – about 4 to 6 inches long in clusters of 2. Site – well-drained, sandy soils, and elevation above 2,500 feet. Grows slow at low elevations. Growth habit – large tree, 60 to 100 feet high.

## Virginia Pine (*Pinus Virginiana*)



Needles – 1 to 3 inches long, stiff, flexible and slightly twisted, in clusters of 2. Site – moderate to well-drained clay, loam or sandy soils, and elevation below 2,800 feet. Growth habit – small to medium-sized tree up to 50 feet high.

## Norway Spruce (*Picea Abies*)



Needles – 1 to 2 inches long, single. Site – well-drained loamy soils with average moisture. Growth habit – large tree 60 to 150 feet with a pyramidal crown

## Japanese Larch (*Larix Leptolepis*)



Needles – arranged in rosettes along the stem. Site – deep, well-drained soils. Growth habit – large tree, 60 to 90 feet high. (This is one of the few conifers that completely loses its foliage, turning golden-yellow before shedding in the fall.)

## Douglas Fir (*Pseudotsuga Menziesii*)



Needles – about 1 inch long, flat, straight and blunt at the tip. Site – deep, well-drained soils. Growth habit – could be a large tree over 100 feet.

## INFORMATION ON CLEMENTS TULIP POPLAR

All our tulip poplar seedlings currently come from seed produced in our seed orchard. These orchard trees were judged to be “superior” after measuring height, wood volume, straightness and growth rate. Trees with characteristics good for exceptional timber production were grafted onto rootstock and planted in the orchard in the 1970s. They later crossed with each other producing “genetically improved” seed. Seedlings grown from the orchard seed can be expected to grow faster and produce higher quality timber than from seed collected in the wild.

## INFORMATION ON CLEMENTS WHITE PINE

A portion of our white pine seedlings each year come from seed produced in our seed orchard. These trees were judged to be “superior” after measuring height, wood volume, straightness and growth rate. Trees with characteristics good for exceptional timber production were grafted onto rootstock and planted in the orchard in the 1970s. They later crossed with each other producing “genetically improved” seed. Seedlings grown from the orchard seed can be expected to grow faster and produce higher quality timber than from seed collected in the wild. These seedlings can be ordered specifically upon request.



# Deciduous



## European Black Alder (*Alnus Glutinosa*)

Broadleaf. Site – wet to drier soils, improves surface spoils. Fixes nitrogen in the soil. Growth habit – 50-80 feet high. Fast growing but will generally live only 15-20 years.



## Black Locust (*Robinia Pseudoacacia*)

Compound broadleaf – stems greenish brown with sharp spines, buds alternate, submerged between spines. Site – loamy bottomlands to drier slopes, surface spoil. Growth habit – medium-sized 50 to 80 feet high, nitrogen-fixing roots.



## Bristly Locust (*Robinia Fertilis*)

Compound broadleaf – alternate, 7 to 9 inches long. Site – good to moderately well-drained areas, surface spoils. Growth habit – small tree 8 to 12 feet tall, nitrogen-fixing roots. Spreads rapidly.



## Sycamore (*Platanus Occidentalis*)

Broadleaf – leaves alternate, 4 to 8 inches long, stems reddish brown. Site – wet lowlands to drier uplands, surface spoil. Growth habit – large tree 100 feet high or more.



## Tulip Poplar (*Liriodendron Tulipifera*)

Broadleaf – leaves are variable shapes but generally shaped like a tulip, 3 to 5 inches long, flowers also look like tulips. Site – likes deep, well-drained but moist, rich soils. Growth habit – large tree 100 to 165 feet and rarely to 200 feet.



## Red Oak (*Quercus Rubra*)

Broadleaf – leaves dark green 4 to 9 inches with sharp pointed teeth. Site – prefers drier, well-drained uplands on northern or eastern exposures. Large tree 75 to 100 feet high.



	Quantity 25-75 Single Species (Price per 25)	Quantity 100-400 Single Species (Price per 100)	Quantity 500-900 Single Species (Price per 100)	Per 1,000	TOTAL	
					Seedlings	Price
<b>NOTE:</b> 1-0: one-year seedling 2-0: two-year seedling 3-0: three-year seedling						
<b>Conifers</b>						
Virginia Pine 1-0	1	\$1.00 per tree	\$0.50 per tree	\$0.30 per tree	\$0.25 per tree	
White Pine 2-0	2	\$1.00 per tree	\$0.50 per tree	\$0.30 per tree	\$0.25 per tree	
Scotch Pine 2-0	3	\$1.00 per tree	\$0.50 per tree	\$0.30 per tree	\$0.25 per tree	
Red Pine 2-0	4	\$1.00 per tree	\$0.50 per tree	\$0.30 per tree	\$0.25 per tree	
Virginia Pine 2-0	5	\$1.00 per tree	\$0.50 per tree	\$0.30 per tree	\$0.25 per tree	SOLD OUT
Norway Spruce 2-0	6	\$1.00 per tree	\$0.50 per tree	\$0.30 per tree	\$0.25 per tree	SOLD OUT
Japanese Larch 2-0	7	\$1.00 per tree	\$0.50 per tree	\$0.30 per tree	\$0.25 per tree	SOLD OUT
Douglas Fir 2-0	8	\$1.00 per tree	\$0.50 per tree	\$0.30 per tree	\$0.25 per tree	SOLD OUT
Norway Spruce 3-0	9	\$1.00 per tree	\$0.55 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT
Douglas Fir 3-0	10	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT
Red Pine 3-0	11	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT
<b>Hardwoods</b>						
Red Oak 1-0	12	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	
White Oak 1-0	13	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT
Chestnut Oak 1-0	14	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	
Bur Oak 1-0	15	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT
Shagbark Hickory 1-0	16	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	
Shagbark Hickory 2-0	17	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	
Shellbark Hickory 2-0	18	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT
Black Cherry 1-0	19	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT
American Plum 1-0	20	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT
Chokecherry 1-0	21	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree	SOLD OUT



**CLEMENTS STATE TREE NURSERY  
2010-2011 SEEDLING ORDER FORM**  
WEST VIRGINIA DIVISION OF FORESTRY  
DEPARTMENT OF COMMERCE

*Seedling orders will be filled Thanksgiving week through mid-April (weather permitting)*

Print Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/State/ZIP: \_\_\_\_\_

Daytime Telephone: \_\_\_\_\_ Evening Telephone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Planting to be in which WV county: \_\_\_\_\_

Planting outside West Virginia: \_\_\_\_\_

**PAYMENT**    Check    Money Order

Credit Card (Call Nursery) 304-675-1820

Check or Money Order amount \_\_\_\_\_

Check or Money Order # \_\_\_\_\_

Date of Check or Money Order \_\_\_\_\_

**ORDER INSTRUCTIONS**

My order is for:

Fall 2010    Spring 2011

I plan to:

Pick-up    U.S. Mail

**Desired Date** \_\_\_\_\_

Call nursery before picking up trees.

**\*NO GUARANTEE OF SURVIVAL.** SEEDLINGS SHOULD BE EXAMINED ON ARRIVAL. IF IN UNSATISFACTORY CONDITION, CONTACT THE CLOSEST REGIONAL OFFICE IMMEDIATELY TO DETERMINE THE PLANTIBILITY.

**MAIL THE COMPLETED ORDER FORM — FRONT AND BACK  
WITH PAYMENT — DIRECTLY TO THE NURSERY**

Clements State Tree Nursery  
624 Forestry Drive  
West Columbia, WV 25287  
304-675-1820 Fax 304-675-6626

**website: [www.wvforestry.com](http://www.wvforestry.com) (to download order form)**

Make Check or Money Order payable to: **WV Division of Forestry**

**THESE SEEDLINGS ARE NOT FOR RESALE.** THEY ARE PROVIDED BY THE STATE NURSERY FOR REFORESTATION, EROSION CONTROL, CHRISTMAS TREE ESTABLISHMENTS, SHELTER BELTS, WINDBREAKS AND WILDLIFE. THE DIVISION RESERVES THE RIGHT TO SUBSTITUTE, PRORATE OR CANCEL ORDERS, IF NECESSARY, DUE TO LOSS FROM WEATHER, INSECT OR FUNGUS DAMAGE AND/OR OTHER UNCONTROLLABLE FACTORS.

**SEEDLINGS WILL BE DELIVERED BY U.S. MAIL.**



**White Oak (*Quercus Alba*)**

Broadleaf - alternate, 4 to 9 inches long and 7 to 11 rounded lobes. Site- shade tolerant, found on variety of sites, and grows best in deep, sandy loam soil on south and west-facing slopes. Growth habit – large tree growing to 100 feet or more.



**Chestnut Oak (*Quercus Prinus*)**

Broadleaf – leaves are irregularly scalloped and rounded. Site – usually found on rocky ridges. Growth habit – 60 to 90 feet high.



**American Chestnut (*Castanea Dentata*)**

Broadleaf – leaves are 6 to 8 inches long, tapering both ways, bearing coarse, incurved teeth along the margins. In autumn, large spiny burs produce 1 to 5 nuts. Minimum seed-bearing age – 4 years. Site – once common on hill slopes in gravelly or rocky, well-drained soils. Growth habit – rapid growing tree that usually reaches 12 to 20 feet before it becomes affected by the chestnut blight. The trees can grow 60 to 100 feet. **Note: the trees we have show a resistance to chestnut blight but it is too soon to claim resistance. Trees normally die as they bear the second crop of nuts. We’ve been collecting since 1980.**



**Chinese Chestnut (*Castanea Mollissima*)**

Broadleaf – leaves are 6 to 8 inches, coarse incurved teeth along margins, similar to American, Chinese has hair on underside. Minimum seed-bearing age – 4 years. Site – prefers well-drained fertile soils. Growth habit – general form is like that of an apple tree with a spreading crown, usually about 50 feet high.



**Red Maple (*Acer Rubrum*)**

Broadleaf – opposite, 3 to 6 inches, palmately 3 to 5 lobed. Site – shade tolerant, variety of sites from rocky uplands to bottomlands and swamps. Growth habit – medium to large tree reaching up to 100 feet.



**Eastern Redbud (*Cercis Canadensis*)**

Broadleaf – alternate, heart-shaped, 2 to 4 inches long. Site – shade tolerant, found on moist, rich soils. Growth habit – small tree reaching up to 40 feet

Fltpp Poplar 1-0	<b>SOLD OUT</b>	22	\$1-00 per tree	\$0-65 per tree	\$0-45 per tree	\$0-35 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Chinese Chestnut 1-0		23	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree		
Black Walnut 1-0		24	\$1.00 per tree	\$0.65 per tree	\$0.45 per tree	\$0.35 per tree		
Butternut 1-0	<b>SOLD OUT</b>	25	\$1-00 per tree	\$0-65 per tree	\$0-45 per tree	\$0-35 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
American Chestnut 1-0	<b>SOLD OUT</b>	26	\$2-00 per tree	\$1-25 per tree	\$0-90 per tree	N/A	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Allegheny Chingquapin 1-0	<b>SOLD OUT</b>	27	\$2-00 per tree	\$1-25 per tree	\$0-90 per tree	N/A	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Flowering Dogwood 1-0	<b>SOLD OUT</b>	28	\$1-00 per tree	\$0-60 per tree	\$0-40 per tree	\$0-30 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Silky Dogwood 1-0		29	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
Gray Dogwood 1-0		30	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
Flowering Dogwood 2-0	<b>SOLD OUT</b>	31	\$1-00 per tree	\$0-60 per tree	\$0-40 per tree	\$0-30 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Silky Dogwood 2-0		32	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
River Birch 1-0		33	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
Sycamore 1-0	<b>SOLD OUT</b>	34	\$1-00 per tree	\$0-60 per tree	\$0-40 per tree	\$0-30 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
European Black Alder 1-0		35	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
Speckled Alder 1-0		36	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
Red Maple 1-0	<b>SOLD OUT</b>	37	\$1-00 per tree	\$0-60 per tree	\$0-40 per tree	\$0-30 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Red Maple 2-0	<b>SOLD OUT</b>	38	\$1-00 per tree	\$0-60 per tree	\$0-40 per tree	\$0-30 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Sugar Maple 2-0		39	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
Streamco Purplisier Willow	<b>SOLD OUT</b>	40	\$1-00 per tree	\$0-60 per tree	\$0-40 per tree	\$0-30 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Box Elder 2-0		41	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
Redbud 1-0		42	\$1.00 per tree	\$0.60 per tree	\$0.40 per tree	\$0.30 per tree		
Black Locust 1-0	<b>SOLD OUT</b>	43	\$1-00 per tree	\$0-40 per tree	\$0-20 per tree	\$0-15 per tree	<b>SOLD OUT</b>	<b>SOLD OUT</b>
Bristly Locust 1-0		44	\$1.00 per tree	\$0.40 per tree	\$0.20 per tree	\$0.15 per tree		

20% discount available on orders of 5,000 or more. Call if interested.

**SUBTOTAL**

WV residence — 15% shipping

Surrounding states KY, OH, PA, MD, VA — 20% shipping

**GRAND TOTAL**

### Silky Dogwood (*Cornus Amomum*)



Broadleaf – opposite, ovate, 2 to 4 inches long. Site – shade tolerant, found on moist to wet sites. Growth habit – small shrub reaching up to 10 feet tall.

### Flowering Dogwood (*Cornus Florida*)



Broadleaf – opposite, 2 to 5 inches long, veins curving toward the leaf margin, shiny green above and paler below. Site – shade tolerant and found on variety of sites. Growth habit – small tree growing to 40 feet.

### Black Cherry (*Prunus Serotina*)



Broadleaf – alternate, 2 to 5 inches long, finely saw-tooth margin, rounded base and pointed tip. Site – shade tolerant, grows best on moist fertile sites. Growth habit – medium to large tree growing to 100 feet or more.

### Butternut “White Walnut” (*Juglans Cinerea*)



Compound broadleaf – alternate, 15 to 24 inches long, 11 to 17 leaflets. Site – shade intolerant, well-drained soils of bottomlands and floodplains. Growth habit – medium-sized tree up to 100 feet.

### Black Walnut (*Juglans Nigra*)



Compound broadleaf – stems stout, light-brown to orange-brown. Minimum seed-bearing age – 12 years. Site – well-drained soils, average to low moisture. Growth habit – large tree with a spreading crown, 70 to 100 feet and up.

### Shagbark Hickory (*Carya Ovata*)



Compound broadleaf – alternate, 8 to 20 inches long with 7 to 9 leaflets, and finely saw-tooth margin. Site – shade intolerant, found on bottomlands to upland sites. Growth habit – large tree reaching heights over 100 feet.

### Streamco Purpleosier Willow (*Salix Purpurea*)



Broadleaf – leaves are 2 to 4 inches long. Site – well-drained to imperfectly-drained soils are most suitable. Growth habit – medium to tall rapid growing shrub 10 to 20 feet high with smooth slender branches.

### Sugar Maple (*Acer saccharum*)



Broadleaf – Leaves, opposite, simple, 3-5 inch across with 5 pointed lobes, and brilliant fall color. Site - Fertile, moist, well-drained soils. Growth Habit – Slow growing with a beautiful symmetrical crown. The State Tree attains a height exceeding 100 feet.

### Bur Oak (*Quercus macrocarpa*)



Broadleaf - Leaves dark green, alternate, 6-12 inches long, wedge-shaped at the base, 5 to 9 deep round lobes. Minimum seed – bearing 35 years, the bark is deeply furrowed. Site – Will grow on very dry slopes and also wet openings in the forest. Usually found near streams. Growth Habit – Medium-sized 40-75 feet high. The wood is hard, strong, close-grained and durable.

### Gray Dogwood (*Cornus racemosa*)



Broadleaf – Opposite, simple, ovate, 2.5-3 inches long, bark is light ashy gray and smooth when young. Site – Will grow on moist, well-drain soils in full sun, grows on wet sites. Growth Habit – Small to medium sized shrub up to 10 feet high.

### Speckled Alder (*Alnus rugosa*)



Broadleaf – Alternate, simple, oval, double serrated, and 2-4 inches long. The bark is smooth and is reddish brown. Site – Grows well along stream banks, lakes, and in swamps. Fixes nitrogen in the soil. Growth Habit – Small clumping shrub that reaches 25 feet tall.

# Contact Information

## Chokecherry (*Prunus virginiana*)



Broadleaf – Alternate, simple oblong to nearly oval, 2-4 inches long, finely serrated margin. Site – Can be planted for erosion control. Growth Habit – Small, upright tree to 25 feet tall and 6 inches in diameter, often forming shrubby thickets. Produces edible fruit.

## River Birch (*Betula nigra*)



Broadleaf - Alternate, simple, rhombic to ovate, 1.5-3 inches long, conspicuously double serrated. Bark, smooth on young trees, salmon to rust color; developing paper scales, exfoliating horizontally with several colors (creamy to orangish-brown). Site – Primarily a stream bank tree. Growth Habit – Medium size tree reaching up to 70 feet tall.

## American Plum (*Prunus americana*)



Broadleaf - Alternate simple, ovate, finely serrated margin, and 3-4 inches long. Bark, Reddish gray, smooth when young, late becoming rough with ridges and exfoliating curling strips. Site – Grows well in woodlands, pastures, and along riverbanks. Growth Habit – Shrubby, small tree, reaching up to 30 feet tall. Produces edible fruit.

## Allegheny Chinquapin (*Castanea pumila*)



Broadleaf - Alternate, simple, oblong, 3-6 inches long, and coarsely toothed margin. Bark is light reddish brown with shallow furrows. Minimum seed-bearing age-2 years. Site - Prefers dry ridges and slopes. Growth Habit - Grows as a shrub about 15-20 feet tall. Produces a small chestnut seed.

If you need assistance in filling out your order form you may contact the nursery directly at the following address and/or telephone number. The nursery will always have the current availability of all the stock and will be in the best position to describe the sizes and appearance of the stock.

### Clements State Tree Nursery

624 Forestry Drive  
West Columbia, WV 25287

**Phone:** 304-675-1820

**Fax:** 304-675-6626

**E-mail:** [clements.state.treenursery@wv.gov](mailto:clements.state.treenursery@wv.gov)

If you would prefer to make a more local call you may call one of the following offices. Each of these offices should have fairly recent availability information on the stock.

### Region 1

WV Division of Forestry  
P.O. Box 40  
Farmington, WV 26571  
**Phone:** 304-825-6983

WV Division of Forestry  
1 Depot Street  
Romney, WV 26757  
**Phone:** 304-822-4512

### Region 2

WV Division of Forestry  
330 Harper Park Drive, Suite J  
Beckley, WV 25801  
**Phone:** 304-256-6775



### Region 3

WV Division of Forestry  
P. O. Box 189  
878 East Main Street, Rear  
Milton, WV 25541  
**Phone:** 304-743-6186

WV Division of Forestry  
2309 Gihon Road  
Parkersburg, WV 26101  
**Phone:** 304-420-4515

Another source of information and assistance is the WV Division of Forestry website:

**[www.wvforestry.com](http://www.wvforestry.com)**  
(Just click on *Nursery*)

**Clements State Tree Nursery**

624 Forestry Drive

West Columbia, WV 25287

