

**2023 TREE and SHRUB CONSERVATION PLANTING PROGRAM**

**Tioga County Soil and Water Conservation District**

183 Corporate Drive, Owego, NY 13827

Phone (607) 687-3553 or 2240

**Please read the information sheet and species descriptions before ordering**

*Trees must be ordered in quantities listed or in multiples of those listed*

Evergreen Seedlings	Species	Quantity	\$ Amount
<b>Seedlings are 3-0 6-18"</b> <b>3 years in seedling bed</b> <b>Prices:</b> <b>25 for \$30</b> <b>100 for \$100</b> <b>250 for \$240</b> <b>500 for \$470</b>	Austrian Pine		
	White Pine		
	Colorado Blue Spruce		
	White spruce		
	Norway Spruce		
	Concolor Fir		

Evergreen Transplants	Quantity	\$ Amount
<b>Ex. 3-1, 3 yrs in seedling bed and 1 yr in transplant bed</b>		
Northern White Cedar- 3-1 /10-18"	10 for \$30    50 for \$140    100 for \$250	
White Pine- 2-2 / 10-18"	10 for \$30    50 for \$140    100 for \$250	
Colorado Blue Spruce- 2-1/ 10-20"	10 for \$25    50 for \$120    100 for \$230	
Norway Spruce- 2-2 / 15-24"	10 for \$25    50 for \$120    100 for \$230	
White Spruce- 2-1 / 15-24"	10 for \$25    50 for \$120    100 for \$230	
Canaan Fir- 2-1 / 8-14"	10 for \$30    50 for \$140    100 for \$250	
Balsam Fir- 2-1 / 8-14"	10 for \$25    50 for \$120    100 for \$230	
Fraser Fir- 3-1 / 8-14"	10 for \$25    50 for \$120    100 for \$230	
Fraser Fir- 3-2 / 10- 18"	10 for \$32    50 for \$150    100 for \$280	

**Deciduous Trees, Shrubs & Evergreen**

Hybrid Poplar	10 for \$20    50 for \$90    100 for \$150	
Eastern Redbud 18-24"	10 for \$22    50 for \$100    100 for \$190	
Tulip Tree 18-24"	10 for \$20    50 for \$90    100 for \$150	
River Birch 18-24"	10 for \$20    50 for \$90    100 for \$150	
White(Canoe)Birch 18-24"	10 for \$20    50 for \$90    100 for \$150	
Black Cherry 18-24"	10 for \$20    50 for \$90    100 for \$150	
American Larch 6- 18"	10 for \$20    50 for \$90    100 for \$150	
Red Osier Dogwood 18-24"	10 for \$20    50 for \$90    100 for \$150	
White Flowering Dogwood 6-12"	10 for \$20    50 for \$90    100 for \$150	
Buttonbush 18-24"	10 for \$18    50 for \$75    100 for \$125	
Shagbark Hickory 6-15"	10 for \$22    50 for \$100    100 for \$190	
American Hazelnut 18-24"	10 for \$22    50 for \$100    100 for \$190	
American Elderberry 12- 24"	10 for \$20    50 for \$90    100 for \$150	
Sawtooth Oak 18-24"	10 for \$20    50 for \$90    100 for \$150	
White Oak 18-24"	10 for \$22    50 for \$100    100 for \$190	
Swamp White Oak 18-24"	10 for \$22    50 for \$100    100 for \$190	
American Cranberry 18-24"	10 for \$22    50 for \$100    100 for \$190	
Sugar Maple 18- 24"	10 for \$20    50 for \$90    100 for \$150	
Red Maple 18-24"	10 for \$20    50 for \$90    100 for \$150	

**OVER**

**Subtotal 1** \_\_\_\_\_

Serviceberry 6-18"	10 for \$18	50 for \$75	100 for \$125		
Sycamore 18-24"	10 for \$20	50 for \$90	100 for \$150		
Black Walnut 18-24"	10 for \$22	50 for \$100	100 for \$190		
Lilac 18-24"	10 for \$20	50 for \$90	100 for \$150		

**WILDLIFE PACS**

*All stock 12-24" unless otherwise noted*

BIRD/BUTTERFLY PAC – 2 each: Elderberry, Liatris Spicata, Ninebark, Buttonbush and Stella De Oro Daylily (root).	\$24/Pac		
NATIVE FLOWERING TREE & SHRUB PAC – 2 each: Eastern Redbud, Red Osier Dogwood, Elderberry, Serviceberry, and Wh. Flowering dogwood	\$24/Pac		
ORNAMENTAL FLOWERING PAC –2 each: Black Chokeberry, Lilac, Ninebark Eastern Redbud, W.F. Dogwood	\$24/Pac		
WILDLIFE NUT TREE PAC – 2 each: White oak, Burr Oak, Pin Oak, Sawtooth oak and Red oak.	\$24/Pac		
NATIVE NY WILDLIFE PAC – 2 each: White pine, Red Osier Dogwood, Black Cherry, Hazelnut, Serviceberry	\$24/Pac		
POND HABITAT PAC (NEW) – 2 each: Red Osier Dogwood, Buttonbush, Willow Sycamore, River Birch	\$24/Pac		

**GROUND COVERS**

PACHYSANDRA	10/\$15		
DAYLILY, Stella De Oro (Heavy one fan division)	10/\$18		
HOSTA PAC- Ventricosa, Hyacinthina, Albo Marginata, F. Aureo Marginata, Honeybells	\$24/Pac		

**FLOWERS**

PERENNIAL FLOWER PAC-2 each: Dream Baby Daylily & Francis Fay daylily , Mixed Peony, Snow queen iris, Stella De Oro Daylily	\$24/pac		
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**WILDLIFE BERRIES**

BLUEBERRY – Blue Ray, Mid-season, 5-12" rooted cutting	10/\$30.00		
BLACKBERRY, Darrow – 1-2' rooted cutting	10/\$30.00		
RASPBERRY, Latham Red – 9-15+" rooted cutting	10/\$30.00		
EDIBLE FRUIT PAC – 2 each Jersey blueberry, Blue Ray blueberry, Raspberry, blackberry, strawberry	\$35/pac		

**Subtotal 2** \_\_\_\_\_

**PAYMENT MUST ACCOMPANY ORDER**

**Make checks payable to:  
Tioga County SWCD**

**Deadline April 3, 2023**

**Order early to assure getting the stock you want. Deciduous species sell out early. Orders can be filled after deadline if stock is still available.**

# 2023 TREE AND SHRUB CONSERVATION PLANTING PROGRAM

Tioga County Soil and Water Conservation District  
 183 Corporate Drive, Owego, NY 13827  
 Phone (607) 687-3553/2240

## WILDLIFE FRUIT and NUT TREES

**Apple & Pear**-Good for wildlife area or informal orchard. All Edible. No varieties guaranteed. 2 varieties are needed for pollination. Trees are sold like this because the nursery says they are misshapen or have an over stock of them.

**Chestnuts**- Mix of pure Chinese chestnut and Chinese Hybrids. Need at least 2 for pollination. Prefer slightly acidic well drained soil. Deer control a must. Bear fruit in 4-6 years. 40-60ft in height and produce 50+lbs of nuts at maturity.

APPLE – 3-6’ grafted Dwarf or Semi- dwarf, Early, Mid, or Late season	1/\$11.00		
PEAR- 3-6’ grafted tree, Early, Mid, or Late season	1/\$11.00		
HYBRID CHINESE CHESTNUT- 12” to 24” tall	1/\$10.00		

### PLANTING SUPPLIES

### QUANTITY    AMOUNT

SLOW RELEASE FERTILIZER TABLETS - 20-10-5 analysis, 10 grams each \$1.00 / 10 or 1,000 / case @ \$82.00/case		
MARKING FLAGS - 4"x5" fluorescent Pink plastic on 30" long 15 1/2 gauge wire staff \$1.50 / 10 - \$12.00 / 100		
MIRACLE TUBE TREE SHELTERS – 5’ high X 3 1/4” -4 1/2” diam. nested tubes. 5 for \$18.00 Great for deer protection and acts like a mini greenhouse.		

Subtotal 1 \_\_\_\_\_

Subtotal 2 \_\_\_\_\_

Total this page \_\_\_\_\_

**TOTAL ORDER** \_\_\_\_\_

Name \_\_\_\_\_

**PAYMENT MUST  
ACCOMPANY ORDER**

Make checks payable to:  
Tioga County SWCD

Address \_\_\_\_\_

For the Tree & Shrub Program:  
**Deadline April 3, 2023**

Phone: \_\_\_\_\_

Please select **ONE** time slot below to arrange for pick-up of your order. Based on the time slot you select, we will be assigning you a 30 minute window to come pick up your order. For example, if you select 8:30am – 12:00am – you will be assigned a 30 minute window sometime within those hours (i.e. – 9:00am – 9:30am).

**Friday April 21st**

(please check one only)

**Saturday April 22nd**

\_\_\_\_\_ 8:30am – 12:00am

\_\_\_\_\_ 1:00pm – 5:00pm

\_\_\_\_\_ 8:00am – 11:00am

**ORDERING EARLY HELPS INSURE THAT WE CAN SUPPLY THE SPECIES YOU WANT BUT YOU ARE STILL NOT GAURENTEED YOUR ORDER. WE WILL TRY OUR BEST TO COMPLETE EVERY ORDER**

Stock for the Conservation Planting Program was ordered in October 2022 based on species and numbers sold over the last 2-3 years.

The District reserves the right to refund payment if species is unavailable

Generally we can obtain additional evergreen stock if demand exceeds our original order.

Deciduous species are more difficult to obtain if demand exceeds our original order.

Order large quantities, 100 or more, before March 2023 to better insure availability

**Pick up dates are Friday April 21<sup>st</sup> and Saturday April 22<sup>nd</sup> at Tioga County**

**Soil and Water Conservation,**

**183 Corporate Drive, Owego, NY 13827**

**Pick-up will be a drive-thru similar to last year. Choose your best pick up time above**

**Additional copies of this order form can be found on our website at**

**[www.tiogacountyny.com/programs-agencies/soil-and-](http://www.tiogacountyny.com/programs-agencies/soil-and-)**

**[water/](http://www.tiogacountyny.com/programs-agencies/soil-and-water/)**

**SPECIES DESCRIPTIONS CAN ALSO BE FOUND**

**ON OUR WEBSITE**

# TIOGA COUNTY SOIL AND WATER CONSERVATION DISTRICT – 2023 TREE AND SHRUB PROGRAM

## INFORMATION and SPECIES DESCRIPTIONS

*The District reserves the right to offer substitutions or refund payment on species if unavailable. The District will NOT be responsible for the success or failure of plantings.*

All species are bare rootstock. Evergreen seedlings have grown entirely in their original seedbed and are 3-0 stock, three years in the seedbed. Transplants have been transplanted from the seedbed to a transplant bed. This allows the plant to grow a denser root system, more branching and a thicker stem. Fraser fir are 3-2 transplants. This means 3 years in a seedbed and 2 years in a transplant bed. Northern white cedar & Spruces are 2-2 transplants. Canaan and Balsam Fir are 3-1 transplants. Deciduous seedlings are 1-0 or 2-0 stock.

### EVERGREENS

**AUSTRIAN PINE** - Native to Europe. A tree that grows to a height of 50 feet. Grows well on a variety of soils. Needles are dark green, stiff, grow in clusters of two, and are from 3 to 6 inches long. It is a very attractive ornamental. It is an excellent windbreak because of its stiff branches.

**WHITE PINE** – Largest of the Northeast conifers. 80 to 100' in height. 3-5" long dark bluish green needles are slender and flexible. Can grow 2'+ per year on preferred sandy loam soil. Valuable softwood timber. Can be pruned for Christmas trees.

**BLUE SPRUCE** - Native to the Central Rocky Mountains. Needles are approximately 1 inch long and very sharp. It requires a more fertile, well-drained site than white spruce and prefers south and east slopes. It is used mostly as an ornamental and to a lesser degree, as a Christmas tree.

**NORWAY SPRUCE** - A native of Europe. Needles are dark green, ¾ to 1 inch long. Grows well on a variety of soils. However, the first five years of growth are very slow. It is not recommended for Christmas trees because the needles drop quickly. Used mostly for ornamentals and in windbreaks.

**WHITE SPRUCE** - Native to northern New York and Canada. Grows well on a variety of soils. Needles are short 1/3 to ¼ inches long, and somewhat blue-green in color. When open grown as an ornamental it develops a handsome conical growth, which extends nearly to the ground. Used as Christmas trees, in windbreaks, and as ornamentals.

**NORTHERN WHITE CEDAR** - Leaves are yellow/green in color. Young leaves on new shoots are ½ inch long and pointed. Leaves on lateral branches are flattened and scale-like. Grows on a wide variety of soils from very wet to very dry.

**CONCOLOR FIR** - Also called White Fir. It is a native of the western US. It grows well on both dry and wet sites. Needles are yellow/green but have a bluish cast in the first few months of growth. Needles are 1 to 3 inches long. It tolerates shade well and is excellent as an ornamental or a Christmas tree. Caution: It has a very deep taproot,

plant only on deep soils. It is also very susceptible to late spring frosts, plant only on higher elevations.

**BALSAM FIR** – Native evergreen. 45-75' high and 20-25' wide. Moist, cool, well drained acidic soils. Popular Christmas tree. Seeds and buds are food for wildlife.

**FRASER FIR** - Native to the Appalachian Mountains. Needles are 1/2 to 1 inch long, dark green above and silvery white beneath, and crowded on the upper side of the twig. It's an excellent Christmas tree, a fast grower when young, and grows to a height of 30 to 40 feet. Likes well drained cool, moist soil. Prefers north and east slopes. Least affected by late spring frosts. Does poorly on hot, dry sites. May not survive extreme droughty conditions.

**CANAAN FIR**- Native to isolated pockets in West Virginia. Similar to both Fraser and Balsam fir. Will tolerate wetter soils and resistant to spring frost. 40- 55ft high. Best grown in deep, well drained loam with ample moisture.

### DECIDUOUS

**EASTERN REDBUD** – Known as the harbinger of spring. Tree is considered a flowering and ornamental tree growing to a height of 20-30' and a spread of 25 – 35'. Begins flowering at a young age (~4 years) with rosy pink flowers in April. Full sun or partial shade and grows well in most soils.

**TULIP TREE** – Also called a yellow poplar. Noted for its tulip like flowers that are yellow with an orange band at the base. Flowers are followed by long, oblong, brown shaped fruits. 60 to 90' in height and a 30 to 50' spread. Full sun to partial shade. Grows best in moist, organically rich well drained soils.

**HYBRID POPLAR**- Very fast growing tree, up to 8'/year. Good for stream banks & windbreaks. Grows just about everywhere.

**RIVER BIRCH**- Naturally grown on riverbanks but can be grown just about anywhere. 40-70' height. Fast growing. Full sun to partial shade is best. Good erosion control

**BUTTON BUSH** – Deciduous shrub. 6-12' in height. Grows well in wet soils. Very easy to grow with minimal maintenance. Excellent for wildlife. Full sun to part shade is best.

**BLACK CHERRY** - Highly valued timber tree growing 60-70 ft. Small cherries are used by wildlife.

**SHAGBARK HICKORY**- 60'-80'. Bark hangs in long strips on older trees. Edible nut in thick green husk. Thrives in full sun and rich, well drained loam.

**RED OSIER DOGWOOD** – 7-9' erect shrub with dark red winter stems. Yellowish white flowers in May. Full sun to partial shade. Prefers wet soils. Birds are very attracted to the fruit and for shelter. Good for erosion control

**AMERICAN HAZELNUT**- or Filbert. Multi stemmed shrub growing 15-18' high. Annual abundant sweet nuts. Plant multiples to ensure pollination. Full sun to partial shade with well-drained soil. Drought tolerant

**AMERICAN ELDERBERRY** – 10-15' high. Full sun to part shade. Moist well drained soil. Great for wildlife, jams, preserves, tinctures, and more.

**NATIVE BIRCH** – Also called Paper Birch. Reaches a mature height of 50 ft. Plant in clumps or singly. White bark appears in 3-4 years. Prefers moist, moderately well drained soil. Fall foliage: yellow.

**WHITE FLOWERING DOGWOOD** – Grows 8' high and 8' wide. Full sun to to part and grows well in a

wide range of moist soils. Found along ponds, lakes, swamps, streams. Fruit is loved by birds and waterfowl

**SWAMP WHITE OAK** – Grows to 60-80' as a nice shade tree. Typically grows on hydromorphic acidic soils in low lands by streams, ponds, etc. Great tree for wildlife with acorns dropping in the fall.

**SAWTOOTH OAK** – - Height of 35' in 15 years. May produce nuts in 7-8 years, up to 125 pounds per tree. Grows in medium fertility, slightly acid, clayey, loamy and sandy soils. Fair drought, poor shade tolerance. Food for deer, wild turkey, squirrel and game birds.

**WHITE OAK** – 60' high slow growing tree. Grows well on most soils. Acorns great wildlife food, preferred over red oak. Valuable timber tree.

**SERVICEBERRY**- 8 to 20' high and 4 to 15' wide. Tolerant of most soils and grows well in full sun to part shade. Great pollinator plant and easy to care for.

**AMERICAN LARCH** –or Tamarack. Grows 40-80' high and 15-30' wide. Full sun with moist well drained soils is best. It's a deciduous conifer which drops its needles in the winter. Golden yellow needles in fall.

**SUGAR MAPLE** - Grows 70-100 ft. tall. Prefers well drained soils but will grow on a variety of soils. If open grown it develops a short trunk and a compact globular crown. Fall foliage is a brilliant yellow.

**RED MAPLE**- 40-60' Fast growing and tolerant of many soils. Full sun is best in well drained moist soils

**SYCAMORE** - Most massive tree in eastern North America grows to 75-100' with horizontal branching and a rounded habit. Grown around streams and rivers. 3-5 lobed medium to dark green leaves (4-10" wide) are similar to maple.

**BLACK WALNUT** – Grows over 60 ft. tall. Highly valued for its fine wood and edible nuts. Very site specific, prefers a moist, well-drained soil.

**LILAC**- Height of 20' at maturity Leggy, upright shrub with many suckers. Fragrant purple flowers in mid-May

**AMERICAN CRANBERRY**- Fast growing shrub up to 15'. White flowers in flat clusters in May, glossy scarlet fruit clusters from Sept-May, glossy red foliage in autumn. Good for background screen and wildlife habitat. Moist, well-drained soil. Full sun to part shade. Used by 34 species of birds.

## SPECIES SOLD ONLY IN PACS

Not all species have descriptions in the Pacs. They are elsewhere in the description pages

### BIRD AND BUTTERFLY PAC

**BUTTERFLY BUSH** - A multi-stemmed shrub growing 5-12 ft. high. Fragrant flowers in July through fall attract butterflies. Tolerates most soils. Should be pruned heavily in spring. Stock sold as a live root.

**NINEBARK** - A 6-10' tall shrub with white cup shaped flower heads. Drought tolerant with little maintenance. Known for its rich purple foliage. Full sun to partial shade. Adaptable to many soils but best in acidic well drained soils.

### NATIVE FLOWERING PAC

**BLACK CHOKEBERRY** - Part of the Rose family, this shrub prefers moist, well-drained, acidic soils however it will thrive in a wide variety of sites. This is an excellent plant for soil-gripping, rapid establishment, and fall foliage. Grows in full to partial sun. 8' tall and 8' wide.

**NANNYBERRY**- 15-20' high. Full sun to part shade. Dry, moist well drained soils. Birds love fruit in fall. Attractive 4" white clusters of flowers in the spring.

### ORNAMENTAL FLOWERING PAC

**LILAC** - 3-20' high. 20' wide. Fragrant white, pink, or purple flower clusters. Low maintenance. Makes for good privacy.

**ROSE OF SHARON**- 8-12' high and 6-10' wide. Full sun to part shade. Large white, red, lavender flowers in late summer to early fall.

### PERENNIAL FLOWER PAC

**DREAM BABY DAYLILY** - Compact but vigorous 18" high daylily has 3.5" light apricot blooms with a purple eye zone and a yellow-green throat. Early to mid-season bloom time.

**FRANCES FAY DAYLILY** - a 24" tall prolific mid-season bloomer with large & abundant 4" peachy white blossoms.

**MIXED PEONY** - Blooms early summer. Lots of different colors. Full sun to partial shade. Deer resistant

**SNOW QUEEN IRIS** - Regal white flowers with a touch of golden yellow on 30" stems. Blossoms in May and June framed by blue green foliage. Crisp, grassy foliage stays neat looking all season.

**STELLA DE ORO** - Long season daylily with deep green foliage and a lot of golden-yellow flowers that bloom from late spring to fall. 10-12" high and 12-24" wide.

### Nut Tree Pac

**PIN OAK** - A medium sized red oak that typically grows 50-70' tall with a broad pyramidal crown. Rounded acorns to 1/2" long, are an important source of food for wildlife. Glossy, dark green leaves to 5" long typically have 5 lobes deeply cut close to the midrib. Leaves turn deep red in fall.

**SAWTOOTH OAK**- Height of 35' in 15 years. May produce nuts in 7-8 years, up to 125 pounds per tree. Grows in medium fertility, slightly acid, clayey, loamy and sandy soils. Fair drought, poor shade tolerance. Food for deer, wild turkey, squirrel and game birds.

### POND HABITAT PAC

**BUTTONBUSH** - A 6-12' wetland shrub. Balls of white flowers resembling pin cushions. 8" long ovate, narrow leaves with glossy upper surface. Shade tolerant, sandy to clay soils. Bees use shrub to make honey and birds and shorebirds consume the seeds.

**WILLOW** - Black or white willow tree. Best in wet areas with full sun to part shade. Great shade tree. Not good for planting near dwellings

**RED OSIER DOGWOOD** - 7-9' slender, upright shrub. It has a red stem and white drupe fruit in mid-August. Grows best in wet or swampy conditions. It is also a great structure for holding soil on sloped areas & stream banks.

**RIVER BIRCH**- Grows well in wet conditions and some dry. Rapid growth and considered a shade and ornamental. Height of 40'-70'. Full sun to partial shade. Great along rivers and streams to help with erosion.

### GROUNDCOVERS

**LIATRIS SPICATA** - Perennial in the sunflower and daisy family. Tall spikes of purple flowers that grow 1' to 5' high. Blooms from July to August. Full sun and well-drained soil but can tolerate some shade. Needs regular watering during first growing season.

**PACHYSANDRA** - Evergreen ground cover for use in borders, under trees and shrubs and as a lawn substitute in non-traffic areas. Plants 1 foot apart provide dense weed resistant groundcover in 1 to 2 years. Grows in wide range of soils; poor drought tolerance; does not grow well in full sun. Plant rooted cuttings 1 foot apart for rapid growth of dense cover. Clipping in spring stimulates new growth.

### DAY LILY - STELLA DE ORO

**HOSTA**- Perennial plant that root sprouts. Has dark green with irregular cream to white margins. Blooms July -August. Full sun to partial shade

### WILDLIFE BERRIES

**BLUEBERRY** - Blueray (EarlyMid-season) blueberry is a Large sized fruit with a high sugar content. Self-pollinating, but cross pollination produces higher yields. Full sun and acidic soils recommended.

**BLACKBERRY** - Darrow variety. This plant produces large black fruit that is firm, fleshy, and sweet. Will produce over a long period of time. It is a very hardy and heavy producer. The root systems of this plant have great soil holding capacity.

**RASPBERRY** - Latham Red variety, mid to late season variety that is winter hardy. Deep red medium consistent berries. Good for freezing and jam

### PLANTING SUPPLIES

**SLOW RELEASE FERTILIZER TABLETS** - These tablets supply the necessary nutrients to seedlings for 2-3 years. Use one per seedling, two per transplant. Tablets are placed in the hole, avoiding root contact, when planting. Tablets are 20-10-5 analysis (20% nitrogen, 10% phosphorous, 5% potassium), weight 10 grams. Can also be used to fertilize existing plantings.

**PLANTING BAR** - Used for planting seedlings. 39" long bar weighs 10 lbs. T handle, dual footsteps. Triangular, tapering pointed edge. Designed for stony soils.

**MIRACLE TUBE TREE SHELTERS** - Five 5' high shelters 3 1/4" - 5 1/2" diameter nested together for shipping. Ties for attaching to 6' stake (purchase separately) included. Can increase tree height growth up to 600% the first two years. Protects from deer and other critters.

**ORDER TREES &  
SHRUBS EARLY TO  
INSURE  
AVAILABILITY**