

Chautauqua County Soil and Water Conservation District



2024 Tree and Shrub Sale

Order Deadline:

April 1st

**First Come, First Serve
Basis**

**Northcrest Business Park
220 Fluvanna Ave, Suite 600
Jamestown, NY 14701
Phone 716-664-2351 Ext 5
Email: chaut-co@soilwater.org**

Note: All of our plants are bare root. The seedlings are usually smaller than Transplants depending on species and/or nursery availability.

Seedlings are started from seed and grown for 1 or 2 seasons.

Transplants are seedlings that have been transplanted to a different bed at the nursery and grown for an additional 1 or 2 seasons. Transplants have a larger root mass, larger stem, and are more branched out and are more hardy for replanting.

Fir Species

Native to NY
Native to Chautauqua County

BALSAM FIR (*Abies balsamea*) TRANSPLANTS, dark green needles are ½ to 1 inch long, flattened, mostly 2-ranked (one row on each side of the branch). Tree is shade tolerant, slow to fast growing, and relatively short lived (80+ years). It has a tight, spire-like form, exceptional fragrance and long needle retention. It grows up to 60 feet in height, with a trunk diameter of 2 feet. Average years to 8' height, 8 - 12 years. Grows in well drained to somewhat poorly drained soils. A valuable pulpwood species and is desirable for Christmas trees and ornamental plantings. Deer and mice browse foliage in the winter; deer also will use this tree for winter cover and shelter.



TBF 10 plants for \$30.00
25 plants for \$63.00
50 plants for \$120.00

CONCOLOR FIR (*Abies concolor*), is also known as white fir. Needles are flat, plump, blunt, pointed and 1 - 3 inches long, silvery green with a blue tint underneath. Will reach 75 feet in height. Average years to 8' height, 10 - 14 years. Tolerates dry, coarse soils, and shade, but prefers well drained soils. Excellent for ornamental, windbreaks, and Christmas trees (as it holds needles very well).

CF 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



FRASER FIR (*Abies fraseri*) TRANSPLANTS, are very similar to balsam fir, the minor differences being confined mostly to the cones. Scales on the cones are wider than long, usually about twice as wide as long, while the cone scales of Balsam Fir are generally about twice as long as they are wide. Average years to 8' height, 8 - 12 years. Prefers well drained soils. Good for ornamentals, windbreaks, and Christmas trees. The Fraser fir will hold its needles much longer than Balsam fir when used for Christmas trees.

TFF 10 plants for \$30.00
25 plants for \$63.00
50 plants for \$120.00



Pine Species

Native to NY
Native to Chautauqua County

EASTERN WHITE PINE (*Pinus strobus*) TRANSPLANTS, needles are soft bluish-green, flexible, 3-5 inches long, in bundles of 5. Tree is moderately shade tolerant, very fast growing, and long-lived. Commonly attains 100 feet in height and 4 feet in diameter, with a tall, straight stem and pyramidal crown. Grows best in well drained soils. High economic value for both timber and ornamental purposes. A large part of the winter diet of red squirrels is made up of its seeds. To reduce potential insect problems, white pine should not be planted near Norway spruce.



TWP

10 plants for \$30.00
25 plants for \$63.00
50 plants for \$120.00

PONDEROSA PINE (*Pinus ponderosa*), Needles are 7¾ inches long in clusters of three, bright green in color. Tree is shade intolerant, drought tolerant, needs well drained soils. Will grow at a medium rate, averaging 60 to 100 feet in height. Very large pine tree species of variable habitat native to mountainous regions of western North America. Younger trees have blackish-brown bark, referred to as "blackjacks" by early loggers. A western pine species, adapted to fire cycles yet also is known to grow at edges of deserts. Seeds are eaten by squirrel, chipmunks, grouse. Piliated woodpeckers nest in these pines.



PDP

10 plants for \$15.00
25 plants for \$33.00
50 plants for \$60.00

SCOTCH PINE (*Pinus sylvestris*), Needles are 1½ - 3½ inches long in clusters of two, dull blue-green in color. Tree is shade intolerant, very fast growing, very cold hardy, and moderately long-lived. May reach 60 feet in height. Average years to 8' height, 5 - 8 years. Will tolerate somewhat poorly drained soils. Is one of the most important commercial species in Europe; in US, it is used extensively for Christmas trees, ornamental plantings and pulpwood. Food source for porcupines and grosbeaks.



SP 10 plants for \$15.00
25 plants for \$33.00
50 plants for \$60.00

Spruce Species

NORWAY SPRUCE (*Picea abies*), needles are ½ - ¾ inch long, shiny dark green in color. Fast growing, moderately shade tolerant, long-lived species. Will reach 75 feet in height with distinctive sweeping branches. Average years to 8' height, 8 - 12 years. Will tolerate somewhat poorly drained soils, but grows best on moist, but well drained sites. Extensively planted as an ornamental, it is also good for pulpwood, windbreaks, snow fence and wildlife. To reduce potential insect problems, Norway spruce should not be planted near White Pine or Douglas-

NS 10 plants for \$15.00
25 plants for \$33.00
50 plants for \$60.00



NORWAY SPRUCE (*Picea abies*) TRANSPLANTS, Bare root plants that have been transplanted twice and are well supplied with abundance of roots.

TNS 10 plants for \$30.00
25 plants for \$63.00
50 plants for \$120.00

WHITE SPRUCE (*Picea glauca*) TRANSPLANTS, needles are ¾ - 1 inch long, and bluish in color. Cones fall soon after they ripen in autumn, rarely persisting through the winter. Shade tolerant, fast growing, relatively long-lived species. The tree grows 60 - 70 feet tall with trunk diameter of 2 feet. Average years to 8' height, 8 - 12 years. Tolerates wetter soils. Most important commercial tree in Canada; can be used for pulpwood, lumber, windbreaks, ornamentals, hedges and Christmas trees.

TWS 10 plants for \$30.00
25 plants for \$63.00
50 plants for \$120.00



Other Conifer Species

Native to NY

EASTERN LARCH (*Larix laricina*), also known as tamarack, a conifer that drops their needles in autumn, renewing them each spring. In season, numerous soft needles, $\frac{3}{4}$ " - 1" long, are clustered at the end of conspicuous warty "spurs" on the twigs. Will grow to a height of 30 - 80' tall with a pointed top, broadly pyramidal. Will grow well in wet soils and swamps. Planted for pulpwood, posts, and wildlife. Seeds, needles, or inner bark eaten by ruffed grouse, snowshoe hare, red squirrels, porcupines and deer.



EL 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00

EUROPEAN LARCH (*Larix decidua*), similar to the Eastern Larch but native to the Alps and Carpathian Mountains. Greater number of needle clusters on branching, for a more full shape. Will grow to a height of 90' tall, and is faster growing than the native species. Tend to have a straighter form than the Eastern Larch. Prefers moist, well-drained soil. More desired for lumber production than the native.

EUL 10 plants for \$15.00
25 plants for \$33.00
50 plants for \$60.00



ROCKY MOUNTAIN JUNIPER (*Juniperus scopulorum*), a long-lived species native to western North America. Grows to a height of 3 to 30 feet. Prefers well-drained, but can tolerate a variety of soils. Prefers full sun. Can tolerate cold temperatures and is drought resistant. Closely related to eastern redcedar (*Juniperus virginiana*) and often hybridizes with this species. Does not turn brown in winter like Eastern Redcedar. An aromatic plant, utilizes for the essential oils it produces in its trunk, limbs and leaves. Also used and maintained as a native option for bonsai.

RMJ 10 plants for \$25.00
25 plants for \$53.00
50 plants for \$95.00



Nut Producing Hardwoods

Native to NY
Native to Chautauqua County

AMERICAN HAZELNUT (*Corylus americana*), also called filbert. Leaves are somewhat heart shaped and double-toothed. Flowers in April - May. Can reach a height of 10 - 15 feet. Nuts are edible enclosed in thin flattened husks. Anyone who has tried to collect these nuts in late summer has found that he is not alone in appreciation of them. Squirrels chipmunks, Blue jays, deer, grouse, quail and pheasant usually get there first.

FI 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



CHINESE CHESTNUT (*Castanea mollissima*), resistant to the chestnut blight disease. Deciduous, with leaves that are long and narrow with slender pointed teeth. Can reach 60 feet in height. Tolerates a wide range of soil conditions. Spiky clusters with sharp spines protect the nut. Nuts are very popular with wildlife and humans. Plant at least two trees for pollination.

CC 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



NORTHERN RED OAK (*Quercus rubra*), leaves turn red before falling in the autumn. Intermediate shade tolerance and moderately fast growing. Can reach 60 to 80 feet in height. Grown on a wide variety of soils, best on silt or sandy loams. Often planted as ornamental or shade trees. The hardness and resistance to wear, plus its beauty, make it preferred for flooring for residences. Wood is used for furniture, lumber, and trim.

RO 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY

PIN OAK (*Quercus palustris*), takes its name from the many short, pin-like twigs that clutter the horizontal or downward-sloping branches, making identification easy in winter. A shade intolerant species, it is moderately fast growing. Can reach 60 to 70 feet tall with a pyramidal shape. Tolerates clayey soils that flood in the spring and are dry in the summer. Wood is knotty and not economically valued, but waterfowl and wildlife utilize acorns.

PO 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



SAWTOOTH OAK (*Quercus acutissima*), native to Asia. Develops a very broad crown and may reach 50 -70 feet in height. Will tolerate somewhat poorly drained soils. Starts to produce acorns at 8 - 10 years of age (vs. 20 - 30 years for some other oak species). Similar aesthetic and lumber values as other white oaks. Also good for screens and windbreaks.

SO 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY
Native to Chautauqua County

SWAMP WHITE OAK (*Quercus bicolor*), fast-growing oak that can reach heights of 40 to 60 feet. Forms by a single trunk, with crooked lower branches that can lead to a messy appearance. Prefers moist soils and is found along river bottoms and wetland edges. The acorns grow in pairs, and sprout soon after they fall from the tree in late summer. Also called bicolor oak, which refers to its distinctly different upper and lower leaf surfaces. Good landscaping plant with hard, durable wood used in making furniture.

SWO 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



DISCLAIMER: We strive to purchase the highest quality plant material, refunds will only be given if we experience a problem with an entire plant species. Otherwise refunds will not be available.

Native to NY
Native to Chautauqua County

WHITE OAK (*Quercus alba*), shade tolerant when young, fairly slow growing and long-lived. Reaches 80 to 100 feet in height. In the open, white oak develops a rounded spreading crown. Growth is good on all but the driest shallow soils, but is best on deep, well-drained loamy soils. Made into lumber for flooring, furniture, tight cooperage, millwork, timbers, handles, boxes and crates. Perhaps the largest amounts go into high-quality flooring, barrels, kegs and caskets.



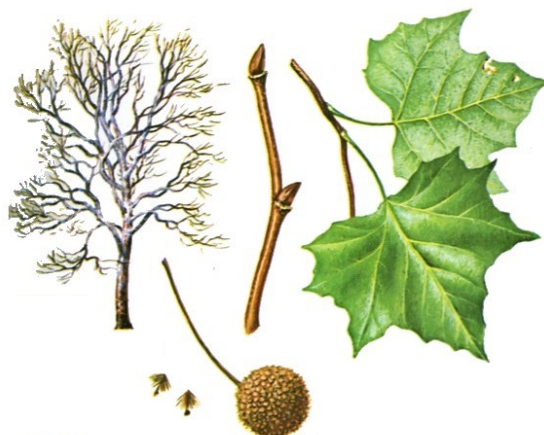
WO 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00

Hardwoods & Other Favorites

Native to NY
Native to Chautauqua County

AMERICAN SYCAMORE (*Platanus occidentalis*), characterized by bark which peels off in large brown sheets, revealing the cream-colored fresh bark beneath and giving the bark an attractive mottled appearance. Long-lived and fast growing, attains a height of 100 feet and a diameter of 3 feet with a wide-spreading crown. Prefers moist soil, and will grow on poorly drained sites. Wood is hard, yellowish to brown, coarse-grained and used for furniture, boxes and wooden ware.

SY 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY
Native to Chautauqua County

BLACK CHERRY (*Prunus serotina*), the largest of the native cherries of the United States and the only one of commercial value. White flowers bloom when the leaves are about half grown. As the fruit develops the berries reach full size (1/2-inch diameter). Cherries are dark red when they are fully developed, turning black with dark purple flesh as they ripen. Reaches 60 feet (sometimes more) in height and 3 feet or more in diameter. Grows on all kinds of sites except those that are very swampy or extremely dry. Is of value for lumber and food for wildlife. Wood is hard and close-grained, used for furniture and interior finishing. A great number of songbirds, grouse, pheasant, raccoon, black bear, red fox, deer, rabbit and squirrel regularly consume the fruits.



BC 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00

Native to NY

COMMON PERSIMMON (*Diospyros virginiana*), shade tolerant, slow growing (can live in understory for many years), and long-lived. Reaches 30 to 40 feet in height. A small to medium tree with a dense cylindrical crown. Grows in a wide variety of soils including river valleys and dry upland sites. Known for its large edible fruit, which ripens in fall and is a source for mammals and birds. Excellent tree for deer forage. Ripe fruit tastes like dates, and can be used in puddings, cakes and bread. Wood is used for billiard cues and golf club heads.

CP 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY
Native to Chautauqua County

PAW PAW (*Asimina triloba*), an unusual tree with large leaves and tiny banana-shaped fruit. Shade tolerant, grows in moist soils on floodplains. Can live 100 to 150 years. Reaches 20 to 30 feet in height. An understory tree with straight branches and a broad crown. Found in the southern half of New York, where it is at its northernmost range. Produces a green berry-like fruit that turns yellow to brown or black at maturity with a soft edible flesh, prune like texture and fruity custard flavor. Fruit was eaten by American Indians and early settlers.

PW 10 plants for \$30.00
25 plants for \$63.00
50 plants for \$120.00



Native to NY
Native to Chautauqua County

QUAKING ASPEN (*Populus tremuloides*), has smooth, light colored bark with darker knots and scarring. Can live up to 100 years, but also propagates through its roots to form large clonal groves originating from a shared root system. Fast growing, about 2 feet per year reaching heights of 50 feet. Prefers well-drained soils and full sun. Leaves are glossy green on top and dull beneath, causing a trembling effect when blown in the wind. Leaves turn a brilliant golden-yellow in the fall. A variety of wildlife eat the bud, bark and shoots, and the leaves serve as food for caterpillars of various moths and butterflies.

QA 10 plants for \$25.00
25 plants for \$53.00
50 plants for \$95.00



RED MAPLE (*Acer rubrum*), a “soft maple”. Shade tolerant to intermediate, fast growing, and a moderate life span. Commonly grows 75 to 90 feet tall with diameters of 1½ to 2½ feet. Tolerates wet, swampy soils, but grows best on fertile, well drained loam. Planted for ornamental, wildlife, but varies in economic value for timber products. The buds and samaras (seeds) are a primary food source for gray squirrels in late winter and early spring. Sprouts are a favorite deer browse.



RM 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00

RIVER BIRCH (*Betula nigra*), very attractive golden fall foliage. Reddish brown to salmon pink, curled bark. Shade tolerant, fast growing and short lived (50-75 years). Can grow to heights of 80 feet, but is commonly found 40 to 60 feet in height. Prefers wet soils in river valleys and along the banks of streams, ponds and swamps. Wood is rarely used for commercial application, and is more commonly planted as a landscape tree.

RV 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



SUGAR MAPLE (*Acer saccharum*), “saccharum” referring to sugar for sap. One of the largest and most important hardwoods of eastern forests. Leaves are exceptionally colorful with brilliant reds and yellows in fall. Very shade tolerant, slow growing, and long lived (to 400 years). Grows 75 to 100 feet in height with a trunk diameter of 3 to 4 feet. Grows best on fertile, well drained to somewhat poorly drained soils. Used for flooring, lumber, pulpwood and fuel, as well as ornamental (an excellent shade tree) and maple syrup production. Roughly 34 gallons of sap yields 1 gallon of syrup which yields 8 lbs. of sugar.



SM 10 plants for \$25.00
25 plants for \$53.00
50 plants for \$95.00

Shrubs

Native to NY
Native to Chautauqua County

BLACK CHOKEBERRY (*Aronia melanocarpa*), deep glossy green leaves with pea size fruit that ripens to purplish-black color in late summer. Grows well in full sunlight, but is moderately tolerant of shade. Deciduous shrub 6 to 10 feet tall. Does best in well drained soil. Flowers provide nectar to hummingbirds & butterflies. Fruits eaten by ruffed grouse, pheasant and song birds.

BCB 10 plants for \$25.00
25 plants for \$53.00
50 plants for \$95.00



Native to NY
Native to Chautauqua County

BUTTONBUSH (*Cephalanthus occidentalis*), great for wet areas. Will grow 3 to 6 feet tall, rarely growing to tree size. Blooms in late summer. The many-flowered cylindrical stalks of white blossoms are up to 20" long. Fruit husks are smooth. Browsed by deer.

BUB 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



COMMON LILAC (*Syringa vulgaris*), best known of all Lilacs in the U.S. Leaves are somewhat heart-shaped and smooth, and flowers are fragrant and purple-colored. Prefer full sun, but can tolerate partial shade. Can reach heights of 15 feet. Prefers good drainage.

LL 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY
Native to Chautauqua County

DWARF BUSH HONEYSUCKLE (*Diervilla lonicera*), shrub native to the northeastern United States. Will grow 2 to 4 feet tall. Can spread by roots to form a clonal stand. Frequently found on dry site with infertile soils. Will grow in wide range of light conditions. Form contains branching laying close to the ground, fibrous roots and play yellow flowers with leaves that turn from green to a dark red in the fall. Blooms in summer for an extended period of time and is an important source of nectar for bumblebees. Only known host plant for the hawkmoth (*Hemaris aethra*). Browsed by deer.

DBH 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



EASTERN RED BUD (*Cercis canadensis*), once seen in bloom on a lawn, will always be recalled with delight. Hardy and colorful. In early spring the tree is a mass of lavender, begin blooming when very young. Thin heart-shaped leaves turn bright yellow in fall. Shade tolerant and can reach 20 to 30 feet in height. Thrives in many soil types. They are hardy and colorful. Native to Eastern North America. The wood is of no commercial value, but these small trees are favorite ornamentals.



RB 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00

Native to NY
Native to Chautauqua County

ELDERBERRY (*Sambucus nigra spp. canadensis*), has bright -green compound leaves, white flowers in June and July, and purple berries from August to October. Produces fruit in 4 to 5 years; matures in 7 to 8 years. Fairly drought tolerant, prefers full to partial sun. A spreading shrub that grows to a height of 12 feet. Tolerates somewhat poorly drained soils. Some of its uses are shelterbelts, ornamental and wildlife. Provides food for wild turkey, squirrel, game, and songbirds.



EB 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00

Native to NY

NEW JERSEY TEA (*Ceanothus americanus*), also known as mountain snowbell. Produces clusters of delicate white flowers in late spring. Will grow 3 to 4 feet in height, with a 3 to 5 feet spread. Prefers sandy, well-drained soils and full sun to partial shade. Names for the tea-like drink that was made from its leaves during the American Revolution. Blossoms and roots of the plant can also be used to make dyes. Plant is attractive to hummingbirds as well as butterflies and other pollinators.



JT 10 plants for \$25.00
25 plants for \$53.00
50 plants for \$95.00

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Native to NY
Native to Chautauqua County

NINEBARK (*Physocarpus opulifolius*), named for the exfoliating nature of the bark, which has the appearance of multiple layers of bark with reddish-brown hues. Produces pink-hued white flowers in late spring, with red capsules developing in the summer. Flowers benefit pollinators, and fruit provide a food source for birds. Foliage will turn yellow in the fall. Will grow to 8 feet in height, with a 6' wide spread. Will tolerate both wet and dry soils, and full sun to partial shade. Planted for windbreaks, erosion control and wildlife.

NB 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY
Native to Chautauqua County

RED OSIER DOGWOOD (*Cornus sericea*), multi-stemmed, upright shrub. Will reach heights of 7 to 9 feet. Prefers moist to poorly drained soil. Clusters of white flowers in the spring, white drupe fruit in August and loads of lush green leaves in the summer. In the winter when you expect a drab yard, they put on a fiery show of color with their bright red stems contrasting against the snow. Can be trimmed for a nice hedge or for wildlife. Provides good cover and browse for the whitetail deer.

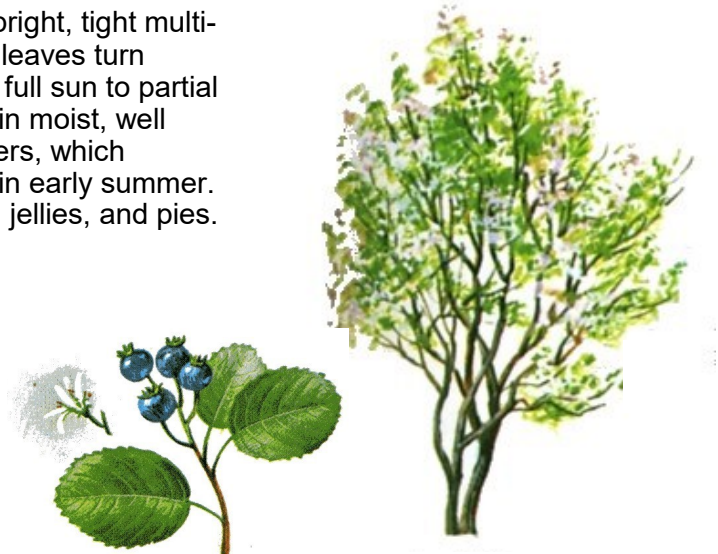
ROD 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY
Native to Chautauqua County

SERVICEBERRY (*Amelanchier arborea*), upright, tight multi-stemmed shrub. Has bright green or bluish green leaves turn stunning shades of red and orange in fall. Prefers full sun to partial shade. Can reach heights of 8 to 20 feet. Thrives in moist, well drained, acid soils. In spring, produces white flowers, which develop into tasty purple berries that attract birds in early summer. Berries can be harvested and used to make jams, jellies, and pies.

SB 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY
Native to Chautauqua County

SILKY DOGWOOD (*Cornus amomum*), flowering shrub that produces creamy white clusters of flowers from May to June. Clusters of blue drupes follow from August to September and attract many birds. Grows in full sun to shade, and wet to well-drained soils. Prefers moist to wet areas. Can grow 6 to 12 feet in height and has a multi-stemmed, rounded habit. New growth twigs can be greenish purple, though, dormant winter twigs are typically dark reddish purple. Commonly called swamp dogwood in reference to its habitat and kinnikinnik (tobacco) in reference to a prior use of shrub bark by Native Americans as tobacco.

SD 10 plants for \$15.00
25 plants for \$33.00
50 plants for \$60.00



Native to NY
Native to Chautauqua County

SPICEBUSH (*Lindera benzoin*), broad, multi-stemmed flowering shrub that produces fragrant yellow-green flowers in early spring. Birds feed on the small, red fruits. Its twigs and branchlets, when scraped, emit a spicy fragrance. Grows in partial sun to shade, and wet to moderately dry soil. Can grow up to 12 feet tall and 15 feet wide. An excellent choice for butterfly gardens, as it is the preferred food for the black and blue spicebush swallowtail butterfly larvae.

SC 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Native to NY
Native to Chautauqua County

SWAMP ROSE (*Rosa palustris*), a multi-branched, perennial shrub, up to 7 feet tall. Occurs along stream banks, in swamps and marshes. Grows best in slightly acidic, wet to moist soils in partial shade or full sunlight. Extremely fragrant and the pink blooms last for six to eight weeks in midseason, generally June through July. The fruit (rose hip) is red and fleshy on the outside with a mass of seeds inside the rose hip. The rose hips are eaten and spread by birds.

SR 10 plants for \$25.00
25 plants for \$53.00
50 plants for \$95.00



Native to NY
Native to Chautauqua County

WHITE FLOWERING DOGWOOD (*Cornus florida*), early blooming of showy flowers makes this one of the most beautiful flowering trees in NYS. A small tree that reaches 20 to 30 feet in height. Leaves turn bright red in the fall. Prefers moist soils, along forest borders and meadows. Fruit is eaten by many bird species. Wood is hard and used to make mallet handles, spools and pulleys. Red dye was once extracted from the roots. Often planted as an ornamental for its flowers and as food for wildlife.

WD 10 plants for \$20.00
25 plants for \$43.00
50 plants for \$80.00



Groundcovers

Native to NY
Native to Chautauqua County

CHRISTMAS FERN (*Polystichum acrostichoides*), occurs in both dry and moist wooded slopes, moist banks and ravines. Typically grows in a fountain-like clump up to 2 feet tall and features evergreen (green at Christmas time as the common name suggests) fronds. Best grown in dry to medium moisture, well-drained soils in part shade to full shade. Consider planting rhizome at an angle to help combat potential crown rot problems which can occur in poorly drained soils. This fern will not spread or naturalize, however, clumps will increase in size over time.

CF 10 roots for \$20.00
25 roots for \$43.00



Native to NY
Native to Chautauqua County

OSTRICH FERN (*Matteuccia struthiopteris*), large, green fronds with a vase-shaped base. This edible fern has fertile fronds that arise 6 to 12 inches in the center of the clump around midsummer, turning brown by fall. Will tolerate some sun, but will need much more moisture to keep them looking good into late summer. Plant in humus-rich, moist soil in part to full shade. Aggressive spreading plants so choose planting areas wisely. Fiddleheads are more palatable than cinnamon ferns.

OF 10 roots for \$20.00
25 roots for \$43.00



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Berries

ALBION EVERBEARING STRAWBERRIES, known for its high yields of large to very large fruit with a high sugar content. Requires full sun. Grows upright with moderate runners reaching 2 to 3 feet. Great for preserving or serving fresh. Also resistant to verticillium wilt, phytophthora crown rot and some resistance to anthracnose crown rot makes it a good choice for organic gardens. Spacing should be 24 to 36 inches.



AEB 10 plants for \$12.50 25 plants for \$28.00
50 plants for \$50.00 100 plants for \$87.50

BLACKBERRY - CHESTER, thornless variety with good resistance to cane blight. Bears large, very sweet, high-quality fruit which is excellent for fresh use, jams, jellies and baked products. Hardest and most producing of the thornless blackberries. Self-pollinating. Can be planted for production or wildlife, as they also serve as an important winter browse for deer.



BB 5 plants for \$40.00 10 plants for \$75.00

BLUEBERRY, hardy shrub that can reach heights of 4 to 6 feet. Once blueberries are established, they are one of the easiest fruit bushes to grow and produce healthy fruit for many years. May require extra care and effort by watering and mulching during the first season. Ripens early mid season. Fruit is large with excellent flavor, firmness and color. Foliage is sparse, but production is good. Also provide wildlife benefits. Fruits are taken by mourning dove, ruffed grouse, pheasant, and many songbirds.



BLB 5 plants for \$55.00 10 plants for \$100.00

VIKING ARONIA BERRY, a variety of black chokeberry (*Aronia melanocarpa* 'Viking') offering fruit containing high levels of vitamins and antioxidants. Native to North America but widely grown in Europe for fruit production. 'Viking' was developed in Europe as an orchard plant. Produces berries almost black in color and the size of large blueberries. Vigorous multi-stemmed variety, reaching heights of 6 feet. Leaves turn red in fall. Prefers full sun to part shade and well-drained soils with best fruit production occurring in full sun. Fruit can be used fresh for juice and as a stable natural food coloring.



VAB 5 plants for \$55.00 10 plants for \$100.00

RED RASPBERRY - LATHAM, very hardy and suitable for colder climates. Less susceptible to viruses than some other cultivars. Vigorous with few spines and moderately productive. Small red fruit has good color. Fruit ripens mid-season and over a long period of time. Suitable for the home or commercial grower.



RR 5 plants for \$35.00 10 plants for \$65.00

Fruit Trees

Fruit tree packages are a convenient way to get started off on the right track. Packages are designed for those who cannot decide what they want, but appreciate a quality product. The Nursery selects the trees for each package. These trees are bare root and average 3 feet in height. Trees are grafted onto winter hardy root stock. Various rootstock is used to maximize vigor and production. **You will need to protect these from deer.**

AS5 - Apple Starter - 5 trees for \$110.00

Hardy, easier-to-grow varieties, such as Liberty, Gala and others. Selected for blight resistance & persistence.

AH10 - Apple Homesteader - 10 trees for \$180.00

Six or more varieties, extended harvest selection, for multiple uses including varieties such as Cortland, Grimes Golden, McIntosh and others.

HA10 - Heirloom Apple - 10 trees for \$260.00

Ten time-proven favorites of our selection that offer great persistence and grow well in all climates of our county, such as Northern Spy, Banana, Cox Orange Pippin, Smokehouse, Russets, Old English varieties and others.



Peach Primer - 5 trees

Peaches are on hardy Lovell rootstock which grow to 8'-10'. These peaches are self-fertile and will often bear the second year after planting. Extended season selection, such as Reliance, Contender or similar others.

PE5 - 5 plants for \$120.00



Fruit Cocktail - 5 trees

A delightful mix for an instant orchard! All are hardy, self-fertile choices, consisting of one of the following: Plum, Cherry, Nectarine, Peach, and Apricot. A delightful mix for an instant orchard.

FC - 5 plants for \$120.00



Wildlife Apple Packages

Certain years, there are an excess of certain varieties or a tree is misshapen and not perfect enough for orchards. These plants are still very suitable to enhance or develop a wildlife area. They can provide food for deer and other animals, as well as the person who planted them. We cannot guarantee names of any specific variety on these packages.

WPA5 - 5 plants for \$69.00

WPA10 - 10 plants for \$120.00

Conservation Seed Mixes

Mix Name	Seed Mix	Application	Quantity	Ordering Code	Price Per Bag
Forage 365 - year round attraction; clover stands offer high quality forage for longer periods of time than mixtures	KOPU II White Clover, Starfire Red Clover, Kenland Red Clover, Berseem Clover, Alsike Clover	Seeding Rate: 10 lbs./acre Fertilizer: 0-20-20 at 200-300 lbs./acre	10 lbs.	CS-FOR	\$60.00
Fast Cover Clover - mixed for soil conditions in our region; establishes very fast; good for remote food plots	Crimson Clover, Kenland Red Clover, Starfire Red Clover, Berseem Clover	Seeding Rate: 10 lbs./acre Fertilizer: 5-20-20 at 200-300 lbs./acre	10 lbs.	CS-FCC	\$55.00
Chicory/Clover Maxx - chicory favored highly by deer; performs excellent in most soil conditions and during drought	KOPU II White Clover, Starfire Red Clover, Kenland Red Clover, Six Point Chicory, Alsike Clover, Berseem Clover	Seeding Rate: 10 lbs./acre Fertilizer: 5-20-20 at 200-300 lbs./acre	10 lbs.	CS-CCM	\$70.00
Fall Attraction - excellent plot for archery; will stay attractive well into late gun season; high yielding (>3 tons/ac)	Crimson Clover, Purple Top Turnip, Forage Rape	Seeding Rate: 10 lbs./acre Fertilizer: 10-20-20 at 200-300 lbs./acre	10 lbs.	CS-FAT	\$45.00
Winter Tubers - annual winter forage; forage is extremely palatable and very high in crude protein; yields 4-6 tons/ac	Vibrant Forage Brassica, Rangiora Forage Rape, Essex Rape, Purple Top Turnip, Appin Forage Turnip	Seeding Rate: 5 lbs./acre Fertilizer: 19-19-19 at 200-300 lbs./acre	5 lbs.	CS-WTU	\$30.00
Flash Mix - can be planted any time during the growing season; great for a first year plot; will condition the site for the next season	Appin Turnip, Forage Oats, Berseem Clover, Bobwhite Soybean, Grain Rye, Forage Rape, Crimson Clover	Seeding Rate: 20 lbs./acre Fertilizer: 10-10-10 at 200-300 lbs./acre	10 lbs.	CS-FMX	\$30.00
Game Bird Forage & Cover - attracts games birds & wild turkey; stand will provide attraction for one full year	Bobwhite Soybean, Austrian Winter Pea, Dwarf Sorghum, White Proso Millet, Black Oil Sunflower, Buckwheat, Forage Rape	Seeding Rate: 20 lbs./acre Fertilizer: 19-19-19 at 200-300 lbs./acre	10 lbs.	CS-GBF	\$30.00
PBO Hammer Mix - great for an early or late season seeding; a favorite of PBO Outdoors Television Pro Staff!	Austrian Winter Pea, Purple Top Turnip, Forage Rape, Crimson Clover, Winter Rye, Buckwheat	Seeding Rate: 20 lbs./acre Fertilizer: 19-19-19 at 200-300 lbs./acre	10 lbs.	CS-PBO	\$35.00

Year-Round Available Stock

Seedling Protection

Miracle Tube: Recycled polyethylene (milk jug plastic) seamless tube, UV stabilized for 5 to 7 years. Rigid, single-wall design with cuffed top & bottom to protect tree as it grows out of tube while also providing stability. Permanent venting starts halfway up to encourage airflow and allows herbicide treatment at base. Better suited for deciduous trees & shrubs. 2' tubes can also be used for conifers. 5' tubes are needed to provide protection from deer browse.

2T - 2' Plastic Tube - \$3.24 each

5T - 5' Plastic Tube - \$5.40 each

4S - 4' Bamboo Stake - \$1.08 each

6S - 6' Bamboo Stake - \$1.35 each

Rigid Mesh: Welded plastic 6" diameter tube constructed from UV resistant polymers. Provides protection for 2 to 5 years. Alternative to metal wire cages for starting seedlings, especially suited for conifers, however, can be used with any seedling typer. 3' tube provides protection from deer and mice browse.

3M - 3' Mesh Tube - \$3.24 each

4S - 4' Bamboo Stake - \$1.08

Tree Armor Guards: Vinyl tree wraps, perforated to allow air flow. Coiled to be easily wrapped around larger caliper trees. Expected to last 7 years. Pepper scented to repel deer. 3' in height and can easily be trimmed to fit. Protect young trees from mechanical damage and buck rub. Available in two diameters, 1" & 2". Sold in bundles of 5.

1W - 1" Vinyl Tree Wrap - \$15.12/bundle of 5

2W - 2" Vinyl Tree Wrap - \$16.20/bundle of 5

Barley Straw

Barley straw has been publicized as an effective, organic remedy to algae problems in ponds. However, research shows that barley straw does not always solve algae problems. More research is being done, but pond owners should be wary of absolute claims regarding barley straw's effectiveness due to the great variability among systems and uncertainty in the climate. British researchers have found that barley straw controls algae through a complicated chemical reaction that is poorly understood. Since the US EPA has determined barley straw is not a legal pesticide, it may not be marketed as an algae control product. Homeowners may purchase barley straw and apply it to their ponds, but only with the caution that it may not always work as expected.

If you plan to apply barley straw to a pond, follow these general recommendations:

1. Apply barley straw to a pond as soon as ice is gone. The algae control properties of barley straw take several weeks to begin.
2. Determine your pond's size in acres, then plan to apply 200-250 lbs of barley straw per acre (about 4-5 bales).
3. When you get the bales, break them up and fluff up the stems to they make a big, loose pile. Stuff the barley straw into several woven sacks and insert a buoyant object into the bag. The assembly should be able to float at the surface of the pond.
4. Place the floating sack on the pond surface and anchor it to stay in place. The sacks should be spaced evenly around the pond to assure even coverage. Barley straw should not be anchored near the edge of the pond, except near an inflowing water course. Make sure to never block the pond spill way.

Pond Size	Bales
Small Ornamental Ponds (10'x10')	Small Bag
1/4 Acre	1
1/2 Acre	2
3/4 Acre	3
1 Acre	4

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*Taken from the article "How to prevent and control algae in farm ponds" by Jim Ochterski, Cornell Cooperative Extension South Central New York Agricultural Team, and Rebecca Schneide, Cornell University Department of Natural Resources with research from North Carolina Cooperative Extension Service, Purdue University and the USDA NRCS, April 2003

BSB - Barley Straw Bale & 5 Mesh Bags - \$30.00

DISCLAIMER: We strive to purchase the highest quality plant material, refunds will only be given if we experience a problem with an entire plant species. Otherwise refunds will not be available.

Tree & Shrub Sale—General Information

Plant Stock Description: All stock is bare-root. Your plants will be bundled with newspaper around the roots to keep them moist.

Ordering Information: [Orders are filled on a "First Come, First Served" basis.](#) Since all trees are pre-ordered, each species is available while quantities last. If quantities run out, the District will reach out to make substitutions with similar species and/or issue refunds. No refunds will be given for trees not picked up after 7 days past the effective pick-up date. All orders must be prepaid. No cash will be accepted. Checks or money orders should be made out to "CHAUT. CO. SWCD".
[A fee of \\$50 will be assessed for any returned checks.](#)

Species Selection: Choose your species carefully using the information provided. If you should have any questions, we will be glad to assist you in your selections. The District cannot be responsible for the success or failure of your plantings.

Pick-Up Day: You will be notified by First Class mail and/or email for the address and time to pick up your trees. There will be two (2) pick-up days at the Ag Center (3542 Turner Road, Jamestown, NY 14701) near the Jamestown Airport.

Care of Your Seedlings: Poor survival can be attributed to poor handling, planting or care. Immediately check seedlings to see if they have dried out. Keep *moist*, not wet at all times. Keep in a cool, shaded, humid place until planting. [Plant seedlings as soon as possible!](#)

What is a “bare-root” seedling or transplant? All stock is bare root, meaning the plant is harvested with little or no soil attached to the roots. Seedlings are smaller than transplants, less expensive and a better choice for large plantings. They are easier to plant due to their size. Transplants are seedlings that were moved to a transplant bed for a year, are a little bit taller and much sturdier. Planting requires a little more effort due to their more established root system. Transplants are available for some conifer species, but make sure to read the full item description to be sure.

Why is the sale only in the spring? Due to our stock being bare-root, the plants must be harvested and replanted while in a dormant state and while soil conditions are still moist. We suggest you plant the trees [as soon as possible](#) after picking up your order, as we cannot be responsible for the success or failure of your plantings.

How do I plant a bare-root seedling or transplant? For instructions on how to plant seedlings, please refer to our website at www.soilwater.org. If you need any more information about your plants, feel free to call the District office and the staff will be happy to help answer any questions.

A fee of \$50 will be assessed for any returned checks.

**Chautauqua County SWCD
Northcrest Business Park
220 Fluvanna Ave, Suite 600
Jamestown, NY 14701**

Place Label Here