

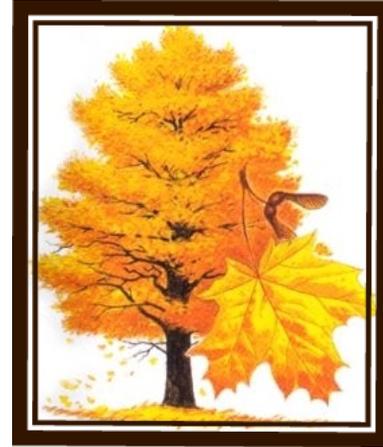
Place
Stamp
Here

New York State
Department of Environmental Conservation
Saratoga Tree Nursery
2369 Route 50
Saratoga Springs, New York 12866-4771



New York State Department
of Environmental Conservation

Trees and Shrubs for Planting in New York 2013 January 2–Mid-May



Trees and Shrubs...

- √ Improve the recreational and aesthetic value of the landscape
- √ Improve air and water quality
- √ Establish windbreaks and conserve energy
- √ Reforest idle land
- √ Produce wood products
- √ Produce wildlife food and cover

2013 Seedling Information

Saratoga Tree Nursery

The Department of Environmental Conservation operates the State Tree Nursery in Saratoga Springs, which produces tree and shrub seedlings for conservation plantings on private and public lands. Native New York seed-sources are used when available.

HOW TO ORDER

BY PHONE: Orders for seedlings can be placed from January 2 through mid-May by calling **(518) 587-1120, Monday through Friday, 8 a.m. to 4:00 p.m.** This is the recommended way to order since the operator will be able to answer questions or direct you to the proper office for information if you need help. An order will be completed over the phone and sent to you in the mail for your approval and signature.

For all other inquiries call the Nursery office at **(518) 581-1439, Monday–Friday 8 a.m. to 4 p.m.**

BY MAIL: Complete the included mail order form and send to:

**NYS Dept. of Environmental Conservation
Saratoga Tree Nursery
2369 Rte. 50
Saratoga Springs, NY 12866-4771**

An invoice will be returned to you for your approval and signature. Customers must sign and return the invoice within ten (10) days with payment by check or money order to complete the purchase, unless other arrangements have been made. **DO NOT SEND CASH.** Instructions on how to complete the order are on the invoice.

All requests are filled after January 2 in the order received. Species sell out quickly, so order early.

If you need help with your planting project you can contact the Regional Forestry Office for your county. A listing of these offices is included for your reference. You may also contact the Regional Biologist for help with your wildlife plantings. Further information on erosion control, windbreaks or bank stabilization can be obtained by contacting your county Soil and Water Conservation District Office or the USDA Natural Resource Conservation Service. Private forestry consultants are also available to provide assistance.

(NYSDEC is an equal opportunity provider and employer)

REGIONAL FORESTRY OFFICES (con't)

| | |
|---|-------------------------|
| REGION 4 1130 North Westcott Road Schenectady, NY 12306-2014 (Albany, Columbia, Rensselaer, Schenectady) | 518-357-2450 |
| 65561 State Hwy 10, Suite 1 Stamford, NY 12167-9503 (Delaware, Montgomery, Otsego, Schoharie) | 607-652-7365 |
| REGION 5 1115 NYS Rte 86, PO Box 296 Ray Brook, NY 12977-0296 (Clinton, Essex, Franklin) | 518-897-1276 |
| 232 Upper Hudson Street Warrensburg, NY 12885 (Saratoga, Warren, Washington) | 518-623-1265 |
| 701 South Main Street Northville, NY 12134-1316 (Fulton, Hamilton) | 518-863-4545 |
| REGION 6 7327 State Rte 812 Lowville, NY 13367 (Jefferson, Lewis) | 315-376-3521 |
| 6739 US Hwy 11 Potsdam, NY 13676 (St. Lawrence) | 315-265-3090 |
| 225 North Main Street Herkimer, NY 13350-0089 (Herkimer, Oneida) | 315-866-6330 |
| REGION 7 1285 Fisher Avenue Cortland, NY 13045-1090 (Cayuga, Cortland, Onondaga, Oswego, Tioga, Tompkins) | 607-753-3095 |
| 2715 State Hwy 80 Sherburne, NY 13460-0594 (Broome, Chenango, Madison) | 607-674-4036 |
| REGION 8 6274 East Avon-Lima Road Avon, NY 14414-9519 (Genesee, Monroe, Orleans, Wayne) | 585-226-5343 |
| 7291 Coon Road Bath, NY 14810-9728 (Chemung, Livingston, Ontario, Schuyler, Seneca, Steuben, Yates) | 607-776-2165 ext. 36 |
| REGION 9 270 Michigan Avenue Buffalo, NY 14203-2999 (Eric, Niagara, Wyoming) | 716-851-7010 |
| 2524 County Rte 2A Almond, NY 14808 (Allegany) | 585-466-3241 |

(Join us on Facebook)

WILDLIFE SPECIES: Orders in units of 25 or 100.
Avg. hgt. 3"-12", New York source. \$20/25, \$42/100 unit

| | |
|----------------------|------------------------------------|
| American Plum | One-year seedling |
| Bayberry | Two-year seedling |
| Beach Plum | One-year seedling (25 unit only) |
| Buttonbush | Two-year seedling (25 unit only) |
| Eastern Red Cedar | Two-year seedling |
| Elderberry | Two-year seedling (25 unit only) |
| Grey Dogwood | Two-year seedling |
| Highbush Cranberry | Two-year seedling |
| Nannyberry | Two-year seedling |
| Northern White Cedar | Three-year seedling (25 unit only) |
| Prairie Willow | One-year rooted cuttings |
| Pussy Willow | One-year rooted cuttings |
| Red Osier Dogwood | Two-year rooted cuttings |
| Red Stem Dogwood | Two-year seedling |
| Rugosa Rose | Two-year seedling |
| Sandbar Willow | One-year rooted cuttings |
| Serviceberry | Two-year seedling |
| Silky Dogwood | Two-year seedling |
| Streamco Willow | One-year rooted cuttings |
| Toringo Crabapple | Two-year seedling |
| Virginia Rose | One-year seedling |
| Wetland Rose | One-year seedling |
| Wild Grape | Two-year seedling |
| Witch Hazel | Two-year seedling |

Manager's Recommended Species List

- ◇ Toringo Crabapple— A good late-season food source for wildlife. Fruit remains on the tree well into winter.
- ◇ Larch— A relatively fast-growing tree. It grows well throughout New York State and is used for pulp wood or plywood. Can be used as a “nurse” tree in hardwood plantations. A nurse tree is a tree that shelters a smaller, slower-growing tree or plant, providing shade, shelter from wind, or protection from animals who would eat the smaller plant.
- ◇ Red Oak— A tree known for its superior lumber used in cabinets, flooring and furniture. Grows quicker and straighter than most other oak species. Acorns are a good food source for turkey, blue jays, grouse, deer and bear.

REGIONAL FORESTRY OFFICES

| | | |
|--|--|--------------|
| REGION 1 | | |
| SUNY Campus, Building 40 | | 631-444-0285 |
| Stony Brook, NY 11790-2356 | | |
| (Nassau, Suffolk) | | |
| REGION 2 | | |
| 1 Hunters Point Plaza, 47-40 21st Street | | 718-482-4942 |
| Long Island City, NY 11101-5407 | | |
| (Bronx, Kings, Richmond, Queens) | | |
| REGION 3 | | |
| 21 South Putt Corners Road | | 845-256-3076 |
| New Paltz, NY 12561-1696 | | |
| (Orange, Rockland, Sullivan, Ulster) | | |

PLANTING INSTRUCTIONS

Each species has specific site requirements. The area to be planted, spacing, species selection, and the purpose of planting will determine how many trees you should order.

| Recommended Spacing in Feet | Trees Per Acre | Recommended Species |
|-----------------------------|----------------|---------------------|
| 6 x 6 | 1,210 | Wildlife |
| 8 x 8 | 680 | Conifer |
| 12 x 12 | 300 | Hardwood |

Rectangular spacing should be used in all plantings to make access and maintenance easier. For Christmas tree planting, allow enough distance between rows to accommodate 2 to 3 feet of growth *plus* the width of mowing equipment.

SITE PREPARATION

Land preparation is essential for a successful planting.

- If grass or brush occupy the site, the entire area to be planted should, at a minimum, be mowed before planting.
- After mowing, the ground should be worked to expose the soil and remove vegetation. Seedlings must be planted in soil, not the sod layer. The sod should be scalped around each planting hole to expose mineral soil.
- Herbicides can be used to remove competing vegetation. Contact your Cornell Cooperative Extension Agent for assistance and always follow label instructions.
- Areas that have recently produced agricultural products will need little preparation unless grass or broadleaf vegetation has taken over. Investigate pesticide use on agricultural lands before planting. Trees will not tolerate some herbicides which can persist in the soil for several years after application.
- Clear-cut areas should be planted as soon as possible after harvest. Slash removal may be necessary. Contact your Regional Forester for assistance.
- Fertilization has a minimal effect on seedling growth for the first few years. During that time root systems develop and spread out seeking water and nutrients. Soil samples can be taken to a Cornell Cooperative Extension agent for analysis. Fertilizer application will be recommended based on your soil requirements.

WINDBREAKS

Properly designed windbreaks protect buildings and livestock, conserve energy and act as snow fences. Plant in a straight line, or “L” shape, perpendicular to prevailing winds. Locate the windbreak 100 to 300 feet from any building and extend it at least 100 feet beyond the area to be protected. Plant 3 or more parallel rows 10 to 12 feet apart with trees planted every 8 feet in the row. Contact your local DEC Forester for assistance.

WILDLIFE PLANTINGS

Seedlings provide food, shelter and runways for a variety of wildlife. Plant shrubs no closer than 6 feet apart as hedgerows or as borders for conifer and hardwood stands.

For streambank stabilization you can plant dogwood, or streamco, sandbar or pussy willow 2 to 3 feet apart near the waterline. Or plant toringo crabapple 12 feet apart.

Wildlife Habitat Improvement Packets provide a continual food supply for birds and other wildlife from late summer through the winter. Plant like species together to improve pollination and fruit production.

The Long Island Shore Packet is designed for erosion control. The species included are salt-tolerant and can survive the dry environment of the seashore.

HARDWOOD PLANTINGS

Steps need to be taken to protect hardwood species from wildlife. Deer will browse seedling tops while mice and rabbits eat the bark, which can girdle and kill the seedling. Oak, maple, cherry and apple are often damaged. Tree shelters or mesh cloth are available commercially and can be placed around hardwood seedlings to protect them from wildlife and help improve growth. Contact your Regional Forester for management advice.

CONIFER PLANTING

Most conifers survive very well in New York State. Mowing between trees will reduce competition for water and nutrients from grasses and broadleaves. Herbicides can also be used to reduce vegetation. **Always read labels and follow directions carefully.** Vegetation can be left near newly planted conifers to provide shade until the seedlings become established.

PLANTING BY HAND

- 1) Carry seedlings in a bucket of water; take only enough seedlings with you to plant one row. Do not soak roots more than one (1) hour before planting. The remaining seedlings should be left in a cool, shady location.
- 2) Prepare a hole deep enough for the entire root system using a grub hoe, shovel, flat spade, or planting bar.
- 3) Place the seedling in the hole; longer lateral roots can be pruned to about 6 inches. Make sure the entire root is buried and the seedling is standing straight. Plant the seedling at the same depth as it grew at the nursery.
- 4) Firmly pack the soil around the roots using the heel of your shoe. This will eliminate any air pockets that may cause the roots to dry out, killing the seedling.

For projects requiring 5,000 or more seedlings, machine planting may be economical. Contact your Regional Forestry Office for tree planting contractors in your area.

CARE AFTER PLANTING

The most common cause of seedling mortality is mowing. Mark your plantings well and stake the rows. A fence should be constructed around a plantation to prevent livestock grazing. Leave green vegetated areas as firebreaks and remove dead material to reduce the risk of fire.

SHIPPING INSTRUCTIONS

Shipping arrangements are made when you place your order. There are three (3) options available:

1. You may pick up your order at the Saratoga Tree Nursery, which is located just south of Saratoga Springs on Route 50, approximately 30 miles north of Albany. **You will be notified by mail when your order is ready.** Shipping directions will be noted: ***"Pick up at Nursery"***

2. Seedlings are also shipped by designated truckers to a single location within certain counties. **This is the preferred shipping method.** Orders slated to be shipped by a designated trucker will be given preference over option #3. Customers will pick up their order at designated locations on specified dates determined by the trucker. **The purchaser will be notified by mail of the shipping date and billed separately for the shipping charges by the trucker.** The Nursery will inform you of designated trucker availability for your county at the time of the order.

**Truck orders MUST be placed by
March 30, 2013**

3. Customers may request UPS delivery under the following guidelines: UPS will be limited to those customers who do not have the "designated trucker" option, or to orders placed after the March 31, 2013 deadline. A \$5.00 shipping and handling fee, plus 20% of the total bill or \$20.00, whichever rate is higher, will be applied to all orders. UPS orders will be accepted through May 4th, after which orders will need to be picked up at the Nursery.

All seedlings are shipped in bags and/or boxes which must be kept cool and out of direct sunlight to avoid seedling mortality due to heat. Seedlings must be transported under cover. The Nursery accepts no responsibility for seedling loss due to circumstances beyond its control and makes no provision for replacement of stock.

Shipments are made from mid-April through early May. Seedlings should be planted as soon as possible to take advantage of cool temperatures and good soil moisture from snow melt and spring rains. If planting is delayed, keep seedlings in the bags/boxes in a cool location out of direct sunlight. Seedling roots can be dipped in water and placed back in the bag or box.

For more information visit our website at:
<http://www.dec.ny.gov/animals/9395.html>

Phone-in orders: 518-587-1120

Planting Guide, Site Requirements*

| Species | 1 | 2 | 3 | 4 | Possible Uses |
|-----------------|---|---|---|---|--|
| White Pine | • | x | • | | lumber, pulp, posts, poles, windbreak |
| Scotch Pine | • | x | | | pulp, windbreak, Christmas trees |
| Red Pine | • | x | | | Christmas trees, lumber, pulp, poles |
| Norway Spruce | | | x | • | lumber, pulp, windbreak, Christmas trees |
| White Spruce | | x | • | | lumber, pulp, windbreak, Christmas trees |
| Larch | • | x | • | | lumber, pulp |
| Austrian Pine | | x | • | | pulp, windbreak, Christmas trees |
| Douglas Fir | | x | | | Christmas trees |
| Butternut | | x | | | lumber, veneer, nuts |
| Cranberry | | x | • | • | wildlife |
| Red Cedar | • | x | • | | erosion control, wildlife |
| Red Oak | x | x | | | lumber, wildlife |
| White Oak | x | x | | | lumber, wildlife |
| Crabapple | | x | | | wildlife |
| Dogwood | | x | • | • | wildlife, stream-bank stabilization |
| Streamco Willow | | • | | x | streambank stabilization |
| Bayberry | • | x | • | | erosion control, wildlife |
| Rugosa Rose | x | x | | | wildlife, beach stabilization |
| White Cedar | | x | | | wildlife |
| Black Walnut | | x | | | lumber, veneer, nuts |

*Site requirements x = optimal site
 • = acceptable site

1. Very dry, sandy, gravel, shallow
2. Sandy loam, well-drained, deep
3. Moist, poorly-drained loam
4. Wet streambank

CONIFER SPECIES: Order in units of 25, 100 or 250. Minimum height 4".

Austrian Pine: Two-year seedling. European source.
 Avg. hgt. 4"-8" \$20/25, \$42/100, \$56/250 unit

Pitch Pine: Two-year seedling. New York orchard.
 Avg. hgt. 6"-12" \$20/25, \$42/100, \$62/250 unit

Red Pine: Three-year seedling. New York source.
 Avg. hgt. 6"-10" \$20/25, \$42/100, \$56/250 unit

Scotch Pine: Two-year seedling. New York orchard; Boonville or Danish strain.
 Avg. hgt. 4"-8" \$20/25, \$42/100, \$56/250 unit

White Pine: Three-year seedling. New York source.
 Avg. hgt. 6"-10" \$20/25, \$42/100, \$56/250 unit

Norway Spruce: Two or three-year seedling. New York source.
 Avg. hgt. 6"-12" \$20/25, \$42/100, \$62/250 unit

White Spruce: Two-year seedling. New York source.
 Avg. hgt. 6"-12" \$20/25, \$42/100, \$62/250 unit

Douglas Fir: Two or Three-year seedling. Lincoln source.
 Avg. hgt. 6"-10" \$20/25, \$42/100, \$66/250 unit

Japanese Larch: Two-year seedling. New York orchard.
 Avg. hgt. 6"-12" \$20/25, \$42/100, \$62/250 unit

CONTAINERIZED STOCK: Two-year-old greenhouse tublings. New York source: Balsam Fir, Red Spruce, Norway Spruce (All in very limited supply):

All are available at \$35/50.



HARDWOOD SPECIES:

Average height: 5"-14"

New York Source

| | |
|---------------------------|---------------------------------------|
| Black Locust: | \$20/25 unit, \$42/100, \$62/250 unit |
| Black Walnut: | \$30/25 unit, \$66/100 unit |
| Butternut: | \$30/25 unit, \$66/100 unit |
| Buckeye | \$30/25 unit, \$66/100 unit |
| Gray Birch | \$30/25 unit |
| Paper Birch | \$30/25 unit |
| Flowering Dogwood: | \$30/25 unit |
| Hybrid Poplar: | \$30/25 unit, \$56/100 unit |
| Silver Maple: | \$30/25 unit, \$66/100 unit |
| Bear Oak: | \$30/25 unit, \$66/100 unit |
| Chestnut Oak: | \$30/25 unit, \$66/100 unit |
| Red Oak: | \$30/25 unit, \$66/100 unit |
| White Oak: | \$30/25 unit, \$66/100 unit |
| Osage Orange | \$30/25 unit, \$66/100 unit |
| Sycamore | \$30/25 unit |
| Wild Apple: | \$30/25 unit, \$66/100 unit |

MIXED SPECIES PACKETS

| | |
|--|--------------|
| Wildlife Mixed Species Packet #1 | \$42.00 |
| Contains 30 each of the following: | (90 plants) |
| Highbush Cranberry, Red Stem Dogwood, Toringo Crabapple | |
| Wildlife Habitat Mixed Species Packet #2 | \$25.00 |
| Contains 10 each of the following: | (30 plants) |
| Highbush Cranberry, Silky Dogwood, American Plum | |
| Long Island Shore Species Packet #3A | \$25.00 |
| Contains 10 each of the following: | (30 plants) |
| Bayberry, Virginia Rose, Beach Plum | |
| Riparian Species Packet #4 | \$60.00 |
| Contains 10 each of the following: | (100 plants) |
| Hybrid Poplar, Pussy Willow, Red Oak, Red Maple, Red Stem Dogwood, Highbush Cranberry, Streamco Willow, Gray Dogwood, Silver Maple, White Spruce | |
| Ruffed Grouse Packet #6 | \$42.00 |
| Contains 10 each of the following: | (50 plants) |
| American Hazelnut, Hybrid Poplar, Red Osier Dogwood, Toringo Crabapple, White Spruce | |

Wildlife Species



Elderberry: Native of North America. Grows up to 15 feet. Prefers moist, organic soils. Fruit is dark purple to black, about 1/8", grows in clusters and is edible; used for making jams, pies or wine. Has a large flat-topped, white flower.

Nannyberry: An upright shade tolerant species, 15-18'. Leaves are glossy and dark green. Flower clusters are white, flat-topped. Ripened fruit is blue-black and edible. Ruffed Grouse and other birds as well as animals enjoy them.



Buttonbush: A large, woody shrub, 3'-10' tall; flower forms a ball-like seed cluster approximately 1" in diameter. Seed is readily eaten by waterfowl. Prefers wetter areas. Good for streambanks and swampy land.

Highbush Cranberry: A spreading, upright shrub, 10'-15' tall. Large flower clusters in spring (4"-5"). Bears a bright red, edible fruit in the fall; valued by birds and many other animals. Prefers moist, well-drained, open sites.

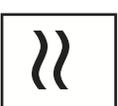


Red-Osier Dogwood: Medium-sized shrub with numerous stems; 3'-19' tall. Fruit is preferred by certain birds e.g., Ruffed Grouse. Well-suited for wetter, open areas. Good for erosion control, stream shade, and windbreaks.

Beach Plum: Native of the Atlantic coastal region. A round, dense bush that grows 4'-10' tall. Will tolerate high salt levels. Prefers sandy, well-drained soils and full sun. Edible fruit, 1-1 1/2" long.



Eastern Red Cedar: A columnar shaped tree (when grown in groups), 30'-50' tall. Prefers open, well-drained sites. Bears a small blue berry on female, providing a food source for birds. Male trees bear a tiny cone.



New York State
Department of Environmental Conservation
Saratoga Tree Nursery
2369 Route 50
Saratoga Springs, New York 12866-4771

Aerial View of the
Saratoga Tree Nursery



MAIL ORDER FORM

RETURN TO: NYSDEC Saratoga Tree Nursery, 2369 Route 50, Saratoga Springs, NY 12866-4771 Phone: 518-587-1120

(Send no payment now; an invoice will be sent with your order confirmation. Sign the invoice and return it with your payment.)

Name Daytime Telephone

Address

City/Town/State/Zip Code

Shipper Delivery Point

County of Planting Town of Planting

| Conifers | | | Units of | | | Hardwoods | | | Units of | | | Wildlife Species | | | Units of | | |
|--------------------------------|-----------------|-----|----------|-----------------------------------|-----------------|-----------|--------------------|--------------|----------|--|----|------------------|--|--|----------|--|--|
| | 25 | 100 | 250 | | 25 | 100 | | 25 | 100 | | 25 | 100 | | | | | |
| Austrian Pine | | | | Black Walnut | | | American Plum | | | | | | | | | | |
| Red Pine | | | | Butternut | | | Bayberry | | | | | | | | | | |
| Scotch Pine | | | | Buckeye | | | Beach Plum | | NA | | | | | | | | |
| Pitch Pine | | | | Gray Birch | | NA | Buttonbush | | NA | | | | | | | | |
| White Pine | | | | Paper Birch | | NA | Highbush Cranberry | | | | | | | | | | |
| Norway Spruce | | | | Bear Oak | | | N. White Cedar | | NA | | | | | | | | |
| Douglas Fir | | | | Chestnut Oak | | | Eastern Red Cedar | | | | | | | | | | |
| Japanese Larch | | | | Red Oak | | | Toringo Crabapple | | | | | | | | | | |
| White Spruce | | | | White Oak | | | Red Osier Dogwood | | | | | | | | | | |
| | | | | Flowering Dogwood | | NA | Red Stem Dogwood | | | | | | | | | | |
| Hardwoods | | | | Hybrid Poplar | | | Silky Dogwood | | | | | | | | | | |
| Black Locust | | | | Silver Maple | | | Elderberry | | NA | | | | | | | | |
| Wildlife Species Packet | Units of | | | Osage Orange | | | Nannyberry | | | | | | | | | | |
| | | | | Sycamore | | NA | Gray Dogwood | | | | | | | | | | |
| Wildlife Mixed Species #1 | 90 | | | Wild Apple | | | Rugosa Rose | | | | | | | | | | |
| Wildlife Mixed Species #2 | 30 | | | | | | Virginia Rose | | | | | | | | | | |
| Long Island Shore Packet #3A | 30 | | | | | | Wetland Rose | | | | | | | | | | |
| Riparian Species Packet #4 | 100 | | | Containerized Stock | Units of | | | Serviceberry | | | | | | | | | |
| Ruffed Grouse Packet #6 | 50 | | | | 50 | | Prairie Willow | | | | | | | | | | |
| | | | | Balsam Fir (limited) ² | | | Pussy Willow | | | | | | | | | | |
| | | | | Norway Spruce ² | | | Sandbar Willow | | | | | | | | | | |
| | | | | Red Spruce ² | | | Streamco Willow | | | | | | | | | | |
| | | | | | | | Wild Grape | | | | | | | | | | |
| | | | | | | | Witch Hazel | | | | | | | | | | |

Limited Supply - ¹Quantities of 100, ²Quantities of 50, ³Quantities of 25, only.

⁴Contents May Vary When Used For School Seedling Packets.