

About the Tree Sale

For the past 28 years, the Winooski Natural Resources Conservation District (WNRCD) has hosted a tree and shrub sale as a service to residents of the District. Through this sale, we have literally sold tens of thousands of trees and shrubs. We are excited to offer a wide selection of species at very reasonable prices. We hope you enjoy this year's selections. Thank you for your continued support of our conservation efforts.

About WNRCD

WNRCD is a regional organization whose mission is to ensure the wise use, protection, and enhancement of natural resources in Chittenden and Washington County, including three towns in Orange County. Created in the early 1940's, WNRCD has been working for over 70 years in tandem with local, state, and federal organizations to deliver environmental programming and complete high priority conservation projects. WNRCD has helped farmers and local landowners navigate federal and state programs, provided incentives for conservation practices, engaged citizens in stormwater mitigation projects, educated the public about natural resources issues, worked with young adults to plant trees along streams, restored wildlife habitat, and improved water quality in impaired waterways.

All of our programs and projects require valuable staff time, strong organizational support, and significant resources. We receive a limited amount of annually appropriated funding from the Vermont Agency of Agriculture and primarily implement our conservation programs with one-time grants that do not typically cover general operating costs. As a result, we rely on proceeds from this tree sale, as well as memberships and donations, to round out our budget.

To find out more about the District and how you can get involved, visit www.vacd.org/winooski. You may also contact us directly by calling (802) 828-4493 x113 or emailing Justin Kenney at justin.kenney@vt.nacdnet.net.

Bareroot Trees

At the Tree Sale, almost all trees and shrubs will come as bareroot. Bareroot means that the plants are dug and stored without any soil around their roots. This has a number of advantages over potted plants:

- **More root mass.** Bareroot trees can have up to 200% more roots than container trees, depending on the soil and transplanting history at the nursery.
- **Lower cost.** Without extra labor and materials, bareroot trees cost both the seller and buyer less.
- **Easier planting.** A young tree without soil weighs little, so it's easy to move and plant.



Despite all these advantages, folks purchasing bareroot stems should consider the following:

- We dip all of our stems in a mixture of Agri-gel. This is a super absorbent hydrogel that acts as a soil moisture bank, keeping roots hydrated for extended periods of time. While this is an efficient method of keeping roots moist, we still recommend that bareroot trees be planted within a week for maximum survivability. Without soil, the roots can dry out and die if left exposed.
- Bareroot trees need good soil moisture, so mid spring (before bud-break) and mid fall (after leaf fall) are the only two possible planting times.
- If you won't be planting your trees for an extended period of time, they should be covered, shaded, and kept moist until planting.

2012 Available Species

Balsam Fir - *Abies balsamea* Native Zone 3 Conifer

Soft, waxy, deep green aromatic fir prized for holiday decoration. Commonly found in cool, moist, well-drained soils. Prefers full sun. Useful to birds for roosting and nesting, seeds are eaten by chickadees and others; deer & moose browse twigs. Mature height 50-70' with 20-30' spread.

Larch - *Larix laricina* Native Zone 2 Conifer

Very attractive, fast growing conifer whose **soft green needles turn gold in autumn** and provide some of the earliest and latest color in the landscape before they drop off in fall; the only deciduous conifer! Best grown on rich, moist, well-drained soils along streams & lakes. Good nest tree for birds. Mature height 50-60' with 30-40' spread.

Blue Spruce - *Picea pungens glauca* Zone 3 Conifer

A magnificent sight of silver blue-green spruce. It grows well while young and matures at 50-75'; 10'-20' spread in the landscape, up to 135' and 35' spread in the wild.

Northern White Cedar - *Thuja occidentalis* Native Zone 3 Conifer

Very hardy, easily transplanted evergreen. Grows well in a variety of soils; prefers loamy moist soils. Likes full to partial sun. Used as hedge in landscaping, favorite browse for deer and rabbits & winter cover for many songbirds. Mature height 30-40' with 10-20' spread.

Eastern Hemlock - *Tsuga canadensis* Native Zone 3 Conifer

Provides an attractive screen; found on moist, well-drained acidic soils, rocky ledges, or sandy soils. Shade tolerant & often found in the understory. Preferred nesting site for wood thrushes, warblers, and robins. Provides winter cover for deer. Mature height of 60-75'.

Red Maple - *Acer rubrum* Native Zone 3 Deciduous

Delicate flowers at the first sign of spring, green leaves in summer that turn a brilliant red in fall. Often found in moist, lowland soils. Prefers to grow in full sun. Provides food for yellow-bellied sapsucker, cardinal, evening grosbeak and browse for deer and rabbits. Mature height 60-90'.

Sugar Maple - *Acer saccharum* Native Zone 3 Deciduous

Vermont's heritage tree provides sap for maple syrup production and autumn foliage's most stunning colors. Thrives on fertile, moist, well-drained soils. Shade tolerant. Seeds provide summer food for grouse, snowshoe hare and porcupine. Provides nest sites for robin, vireo and goldfinch. Mature height 70-80' with 40-60' spread.

Speckled Alder - *Alnus rugosa* Native Zone 3 Deciduous

Speckled Alder (*Alnus rugosa*) - Good food and cover for game birds and some songbirds, grows well in nutrient-poor moist to wet soils, and prefers full sun. Good for wetland soils and streambanks. Mature height 15-35' with 8-20' spread.

Black Birch - *Betula lenta* Native Zone 3 Deciduous

A common medium-sized tree. The leaves are very similar to those of Yellow Birch which is more common at high elevations, and have the same strong wintergreen scent when crushed.

2012 Available Species

Honeycrisp Apple - *Malus 'Honeycrisp'* **Zone 3** **Fruit**

Known as a best all-around apple. Great for backyard landscaping and orchards. Crisp, juicy with excellent flavor! Fruit is mottled red over yellow and ripens in late September. Keeps in storage for up to 5 months. Prefers well-drained soils and full sun. Mature height 10-30'.

Magenta Crab Apple - *Malus pumila 'Niedzwetzkyana'* **Zone 4** **Fruit**

A small compact tree, 18-30' in height, with a symmetrical, pyramidal, or rounded crown. Branches are deep reddish brown, ascending, and very dense. Leaves are distinctively red in spring and retain some reddish hue for much of the year. 'Magenta' blooms in early to mid-May; flowers are perfect, with five petals, pink and fragrant. Fruit is a small, dark-red pome, ripening in October.

Manchurian Apricot - *Prunus armeniaca 'Mandsburica'* **Zone 3** **Fruit**

A small, round-headed tree reaching 15-20' in height. The leaves are broad, simple, ovate or broad-elliptic and mostly smooth, medium green. The flowers are single, pink and over 1" wide, borne in late spring. Attractive in flower and can be relied on in climates where other Prunus may not flower.

Bounty Plum - *Prunus nigra 'Bounty'* **Zone 2** **Fruit**

Prolific fruiter with large plums up to 1 1/4" in size. Does not sucker and makes a small tree with an open crown; up to 15' in height. Valuable addition to any edible landscape - especially due to its hardiness in colder zones.

Summercrisp Pear - *Pyrus 'Summercrisp'* **Zone 4** **Fruit**

A very hardy pear and an annual bearer. Blooms early in May. The fruit should be harvested in mid-August when crisp and still green with a red blush. Fruit is sweet and crisp, and may be stored up to 2 months. Mature height 18-25'.

Ben Sarek Currant - *Ribes nigrum 'Ben Sarek'* **Zone 3** **Fruit**

This berry-producing shrub is more familiar to Europeans but is regaining popularity in America. High yield and large fruit makes for a great U-pick or home garden variety. Used in jams, juices, and winemaking. Contains high quantities of Vitamin C, potassium, and bioflavonoids. Prefers sunny location, but not direct southern exposure. Mature height 3'.

Rovada Currant - *Ribes nigrum 'Rovada'* **Zone 3** **Fruit**

Rovada' is a red currant cultivar which is grown primarily for fruit production. It is a compact, mounding, deciduous shrub which grows 3-5' tall. Clusters of greenish-yellow flowers bloom in spring, and are noticeable but not particularly ornamental. Red currants, although tart, may be eaten ripe off the shrub.

Prime Jim Blackberry - *Rubus fruticosus 'Prime Jim'* **Zone 4** **Fruit**

Recently released variety. This new type allows blackberry production in regions where most other varieties are not hardy. Prime Jim will fruit on one-year wood in late August and September. Berries will be a bit larger and firmer than Prime Jan with a more upright growth habit. Easy to grow.

2012 Available Species

Latham Raspberry - *Rubus idaeus* 'Latham' **Zone 3** **Fruit**

Latham Raspberry (*Rubus idaeus* 'Latham') - A release from Minnesota, Latham combines good fruit quality with excellent winter hardiness. Medium to large, bright-red fruit is rounded in shape but somewhat lacking in cohesion. Widely adapted, Latham is suitable for home gardens and pick-your-own operations.

Polana Raspberry - *Rubus idaeus* 'Polana' **Zone 3** **Fruit**

Released from Poland, its berries are highly productive, large, glossy in appearance, coherent, with good flavor. Canes are vigorous and grow shorter than those of Heritage. Ripens early August in southern New England. A great choice for early fall raspberries. Polana needs extra fertilizer in May and June.

Elderberry - *Sambucus canadensis* **Zone 3** **Fruit**

Showy, fragrant flowers and edible fruit draw wildlife and people alike. Does best with moist, humusy, well-drained soils and is often seen alongside streams, roads and fence rows. Produces fruit after two years. The berries make excellent preserves, jellies, pie and wine. Mature height 6-12' with 6-8' spread.

Jersey Blueberry - *Vaccinium corymbosum* 'Jersey' **Zone 4** **Fruit**

Jersey is a late-season variety that is easy to grow, high-yielding, and one of the oldest and most widely grown blueberry varieties. The berries are dark blue, medium in size, and very sweet. A tall and well-shaped bush, it has excellent ornamental value.

Nelson Blueberry - *Vaccinium corymbosum* 'Nelson' **Zone 3** **Fruit**

This late-season variety is from the Michigan State breeding program. The bush will grow to an average of 6 feet. A very good yielder, Nelson produces medium-blue, large sized, firm berries.

Beaked Hazelnut - *Corylus cornuta* **Native** **Zone 2** **Nut**

Squirrels prefer them raw, but humans prefer them toasted. Does well in acidic, organically-rich, well-drained soils; not tolerant of clay. Found naturally in full-sun to partial shade in or nearby thickets, streams and clearings. Mature height 6-10'.

Butternut - *Juglans cinerea* **Native** **Zone 3** **Nut**

The butternut, also known as the white walnut, bears tender nuts with a rich, sweet, buttery flavor even after enduring subzero temperatures! One of the hardiest of all nut trees, butternuts grow 40-60 ft. at maturity and have attractive light golden wood, which is popular for paneling and furniture. This native of North America also makes an attractive shade or landscape tree, with its rounded form and dark green foliage. Plant two or more for pollination purposes.

Black Walnut - *Juglans nigra* **Zone 4** **Nut**

A fast growing hardwood tree, with compound yellow-green leaves, that provides good shade and produces sweet, full-flavored, high-valued nutmeat eaten by both humans and wildlife. Best when planted in full sun in moist, well-drained soil. Is intolerant of shade. Mature height of 70-90'.

2012 Available Species

Allegheny Serviceberry - *Amelanchier laevis* **Native** **Zone 4** **Shrub**

Multi-stemmed shrub that requires little maintenance and can tolerate many soil types. Suitable for urban landscapes, common ornamental, and the berries are a favorite for birds that also make great jams, jellies and pies. Provides browse, cover, and fruit for wildlife. Mature height 15-25' with 8-12' spread.

Buttonbush - *Cephalanthus occidentalis* **Native** **Zone 4** **Shrub**

A large woody shrub 3-10' tall. Fragrant flower forms a pompom-like seed cluster. Seeds readily eaten by waterfowl, nectar enjoyed by hummingbirds, and nesting for red-winged blackbirds. Prefers wetter soils, wetlands and lowland areas, can even exist in standing water. Prefers full or partial sun.

Pagoda Dogwood - *Cornus alternifolia* **Native** **Zone 4** **Shrub**

A beautiful tree with branching that can create a layered or tiered appearance. Produces clusters of fragrant white flowers in late summer, which are followed by purplish-black berries. Green summer foliage picks up purplish tones in the fall. Mature height 12-20'.

Red Osier Dogwood - *Cornus sericea* **Native** **Zone 3** **Shrub**

In winter, this plant's blood red stems show brilliantly against a backdrop of snow. Able to tolerate a range of soil types, but is particularly well adapted to wet soil situations. Ideal for holding soil on steep banks, along stream edge, wet meadows, swamps and perimeter of farm fields. The berries are blue. 3-5' in height.

Witchhazel - *Hamamelis virginiana* **Native** **Zone 4** **Shrub**

Upright shrub with a sparse but interesting branching habit. Yellow flowers in October. More dense in sunny site. A beautiful shrub in winter. Mature height 12-15' with 8-15' spread.

Pink Diamond Hydrangea - *Hydrangea 'Pink Diamond'* **Zone 4** **Shrub**

This exciting variety features large, bold flowers that start blooming in mid summer and last through to the first snowfall. They emerge a subtle chartreuse, turning pure snowy white over the hottest days of summer, then fading to pink and finally turning a deep, rich pink as autumn approaches. Mature height 8-10'.

Winterberry - *Ilex verticillata* **Native** **Zone 3** **Shrub**

This petite, slow-growing, evergreen shrub holds an interest all year round. Outstanding shrub with red berries in the dreary months of November through January. Glossy green vegetation often cut for wreaths or house decorations. Does well in poorly-drained sites. Great alongside streams and ponds. Due to the age of the shrubs, we cannot separate male from female plants. Mature height 6-10' with 6-10' spread.

Chokecherry - *Prunus virginiana* **Native** **Zone 4** **Shrub**

Fragrant cup-shaped white flowers in mid-spring with pea-sized clusters of dark purple berries in August; beware they are stringent when raw – best when cooked as jam or pie. Root suckers should be cut if naturalization/spread is not intended. Birds & butterflies also enjoy this plant. Mature height 15-25' with 12-15' spread.

2012 Spring Trout Sale

For the first time in many years, WNRCD is pleased to announce a Spring Trout Sale! We are happy to provide landowners with the opportunity to purchase brook and rainbow trout directly through the District. And, because we order in bulk, we can provide these fish at very low cost.

Folks interested in purchasing fish should mail the included order form to us at our Williston location. You may also download the form online and email to Lisa.Coven@vt.nacdnet.net.

Orders of 6-8" trout must be picked up on Sunday, May 6, 2012 between 1:00 p.m. and 3:00 p.m. at Rusty Memorial Park in Waterbury. Trout will come pre-bagged with oxygen. If you do not pickup your order by 3:00 p.m. on the above date, the District reserves the right to sell or relocate your order, unless arrangements have been made with the District. No refunds will be issued for damaged or relocated fish.

Orders of 10-12" trout will be delivered by the trout farm any time on May 5 and May 6. Please provide very detailed, written directions to your pond with your order form and payment. Include in directions: your name, town, mileage from turn-offs and intersections, road names, landmarks, and description of property. Complications on the day of delivery due to poor directions or impassable road conditions will result in a forfeiture of your order. Your order will not be refunded because the fish cannot be returned to the hatchery.

Stocking Guide	
Surface Area of pond	Number of 5-6" or larger fish
1/4 acre	50 fish
1/2 acre	100 fish
3/4 acre	125-150 fish
1 acre	150-250 fish

Helpful information:

- Brook trout need cold water (approximately 45° to 60° F.)
- Rainbow trout tolerate warmer temperatures
- Best water pH range is 6 to 9
- The cleaner the water the better!
- Use of floating trout feed is recommended, especially for newer ponds
- New ponds should not be stocked until 1 year after construction
- Mixing of rainbow and brook trout is not recommended
- Place a screen at the pond's outlet to prevent trout from escaping

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A special thank you to our current members

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Winooski NRCD
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Tree Sale Volunteers Needed!

On Saturday, April 28 we need volunteers to manage and help distribute tree orders in Williston and Berlin. We also need help packing trees in Berlin on Thursday, April 26th in preparation for the sale. Master Gardener or S.O.U.I. hours may be offered.

Please contact Lisa at 865-7895 x104 or Lisa.Coven@vt.nacdnet.net for more information or to sign up.