

## 2019 Tree and Shrub Descriptions

### CONIFEROUS TREES

Species	Purchase Age/Size	Flower/Foliage	Mature Height	Preferences	Growth Rate	Comments
American Arborvitae/ Native White Cedar ( <i>Thuja occidentalis</i> )	(2-1); 10-18"	Yellow-green, scale- like flat foliage	6-50'	Full - partial sun; moist, well-drained soil/loams, prefers neutral to alkaline	Slow- Moderate	Used for landscaping, hedges, screens, and shelter plantings. Wildlife food and shelter resource. Hardy trees. <b>Native.</b>
Balsam Fir ( <i>Abies balsamea</i> )	(3-2); 10-18"	Flat green needles, white underneath	50-70'	Full sun, Acidic, moist, well- drained soil	Slow- Moderate	Fragrant Christmas tree that holds its needles; branches are popular for holiday wreaths and other greenery. Well-adapted to cold climates. <b>Native.</b>
Frasier Fir ( <i>Abies fraseri</i> )	(3-2); 10-18"	Uniformly pyramid- shaped tree	100'	Prefers fertile, rocky to sandy, acidic soils.	Slow	Fragrant classic Christmas tree, also known as the Southern Fir. Well adapted for cold climates. Habitat for wildlife and birds.
Colorado Blue Spruce ( <i>Picea pungens</i> )	(2-2); 18-24"	Silvery-blue needles pyramidal shape	100'	Prefers moist, well- drained, fertile soil.	Moderate	Needles are prickly to the touch and have a strong, fresh, piney smell. Its foliage color and wonderful smell make this plant a classic choice for a Christmas tree.

### DECIDUOUS TREES & SHRUBS

American Cranberrybush/ Highbush Cranberry ( <i>Viburnum opulus</i> )	(2-0); 2-3'	White flowers, drooping clusters of red berries	8-12'	Full sun to part shade. Moist, well-drained soils, prefers loams.	Moderate	Excellent fall foliage color which may be yellow, red, orange or burgundy. Showy, white, flat topped flowers. Some susceptibility to bacterial leaf spot, stem blight and powdery mildew. <b>Native.</b>
Buttonbush ( <i>Cephalanthus occidentalis</i> )	(2-0); 2-3'	Showy, fragrant white flowers that resemble a pincushion	5-9'	Full sun to part shade. Prefers moist, humusy soil but adapts to a wide variety of soil.	Fast	Flower heads are very attractive to bees and butterflies. Great in woodland areas, native plant gardens, pond margins, low spots or shrub borders. May also be grown in shallow water at the edge of ponds or large water gardens. <b>Native.</b>
Gray Dogwood ( <i>Cornus racemosa</i> )	2-3"	Showy white flowers	10-15'	Full sun to part shade. Medium, well-drained soil.	Slow- Moderate	Excellent when planted in groups and left alone to spread in naturalized areas or native plant gardens. Can be particularly useful because of its ability to grow in poor soils. <b>Native.</b>
Sassafras ( <i>Sassafras albidum</i> )	1-2'	4-7' long mitten shaped leaves Greenish-yellow spring flowers	30-60'	Full sun to part shade. Medium, well-drained soils. Prefers moist, acidic, loamy soils.	Moderate	Shrubby in youth, but matures to a dense, pyramidal tree. Spreads by root suckers to form large colonies in the wild. Flowers on female trees (if pollinated), pendant clusters of bluish-black berries (drupes). Fruits mature in September. <b>Native.</b>
Witch Hazel ( <i>Hamamelis virginiana</i> )	1-2'	Leaves are broad, smooth, flowers have 4 petals- pale to dark yellow, orange, or red	10-25'	Full sun to light shade. Prefer moist, rich, well- drained, slightly acidic soils.	Moderate	The botanical name, <i>Hamamelis</i> , means "together with fruit." A unique feature of native North American trees. Has several medicinal properties. The seed capsules take a year to fully ripen. This perennial flowers in the fall. <b>Native.</b>

### Small Fruits "Quantities Change" (Packaged in Groups of 25)

Purple Passion Asparagus	Root	White to yellowish green, thorns	3-4'	Full sun, well-drained soils	Slow	Purple productive yields plus its attractive purple color, tenderness and flavor distinguish it from other asparagus varieties. For best results, spacing is 6-8" in the row, not the usual 12".
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Jersey Night Asparagus	Root	Top-size green spears with feisty purple tips	3-4'	Light to medium sandy soils	Slow	The predominately male hybrid emerges approximately 7-10 days earlier than others. Great tasting and tender, Jersey Knight are as cold tolerant and disease resistant as Jersey Supreme.
Brunswick Strawberry	Root	Large, firm berries	8-10"	Full sun, well-drained loam soils	Moderate	Outstanding flavor and berry size. Well adapted to home gardeners. (early-mid season)
Sparkle Strawberry	Root	Deep red berries	8-10"	Full sun. Prefers well drained loam soils. pH 5.5-6.5	Moderate	Shiny appearance. Medium-sized fruit has outstanding flavor. Self-pollinating. Cold hardy. (late-mid season).
Allstar Strawberry	Root	Firm, large sweet berries	8-10"	Full sun. Well-drained, nutrient-rich soil. Prefers pH 5.5 and 6.8	Moderate	Great for beginners. Vigorous plants are resistant to verticillium wilt and red stele, and moderately resistant to leaf scorch and powdery mildew. (mid season)
<b>Small Fruits and Other Edibles "Quantities Change" Sold Individually</b>						
Chandler Blueberry	1-2'	Large, firm fruit	6-8'	Full sun. Prefers pH 4.5-4.8.	Moderate	Produces very large berries and will spread about 5 feet. (mid - late season)
Bluecrop Blueberry	1-2'	Light blue, large berries	6-8'	Full sun. Well-drained soils. Prefers pH 4.5-4.8	Moderate	Aromatic flavor. Good for pies and jam. Good handpicking berry. Bears fruit in 5-7 years. (midseason)
Reka Blueberry	1-2'	Attractive dark blue berry	4-6'	Full sun. Well-drained soils. Prefers light sandy soils, peat, heavy clay loams	Moderate	Fast growing. Large crops. Winter hardy. Bears fruit in 5-7 years. (early season)
Boyne Raspberry	1-2'	Deep red berry	3-4'	Full sun. Well-drained soils.	Moderate	An early-season variety that is extremely winter hardy. It consistently produces deep-red, medium-sized berries. The medium sweet, aromatic flavor makes it great for freezing and jam
Caroline Raspberry	1-2'	Large berry	3-4'	Full sun. Well-drained soils.	Moderate	High productivity, high quality fruit with a rich, full and intense flavor. Fruits early.
Anne Raspberry	1-2'	Yellow berry	3-4'	Full sun. Well-drained soils.	Moderate	Large berries. Highly productive. Very sweet flavor. Winter hardy.
<b>Other Edibles: See Details for Quantities</b>						
Shallots	Bulb	Grown in clumps with narrow green leaves and roots that look like small onions	8"	Full to partial sun. Prefers well-worked, well-drained, moisture-retentive soil, pH range 5.0-6.8	Fast	Taste somewhat like a common onion with a milder flavor. Very hardy annual. Cold tolerant. This comes in pounds of bulbs. There are approximately 25 bulbs per pound.
Candy Onion Plant (Yellow)	Young Plants	Flat globes, 3-4"	10-12"	Full Sun	Moderate	Extra sweet and so mild, cutting Candy leaves you less teary-eyed. Flat globes 3-4" with tight, light yellow skin. It's a day neutral variety. Each set includes about 50 onion plants.

Redwing Onion Plants (Red)	Young Plants	Deep red globes, 3-4"	12-18"	Full Sun	Moderate	Nice globe-shaped, deep red onion that produces large 3-4" bulbs when grown from our transplants. It has proven to be a widely adaptable variety and stores better (8-10 months) than other red onion varieties. Each set includes about 50 onion plants.
<b>FRUIT TREES</b>						
Honeycrisp Apples ( <i>EMLA 7</i> )	Height: 4-6' Caliper: 5/8-3/4"	Orange-red fruit with yellow background	12-15'	Full sun. Prefers soil and clay mixed well-drained soils. pH 6.5	Moderate	Crisp, juicy, sweet-tart apple. Rich flavor. Winter Hardy. Resistant to scab. Late blooming.
Autumn Gala Apples ( <i>G41</i> )	Height: 4-6' Caliper: 7/16"+	Firm, orange-red fruit	8-10"	Full to partial sun. Prefers fertile, well-draining soils.	Moderate	Fruit is very firm and dense and exhibits very little stem cracking, making it a better keeper than traditional Gala. Harvest into late September/early October.
Dandee Red Apples ( <i>Dwarf Bud 9</i> )	Height: 4-6' Caliper: 3/8"+	Red fruit with a crisp, creamy white flesh	8-10'	Full sun. Prefers loamy well-drained soils. pH 6.0-7.0	Moderate	Pleasing tart taste. Crisp and firm fruit. Bears fruit in 2-5 years. This is a dwarf variety that will needs tree support.
Ruby Mac Apples ( <i>EMLA 7</i> )	Height: 4-6' Caliper: 5/8-3/4"	Vibrant red fruit, flesh- light green	12-15'	Full sun. Prefers loamy well-drained soils. pH 6.0-7.0	Moderate	Very firm, juicy and crisp fruit. Sweet to sub-acidic flavor. Resistant to premature drop. Bears fruit in 2-5 years.
Sugar May Peaches (Lovell)	Height: 4-6' Caliper: 5/8-3/4"	Medium, white flesh, firm fruit	8-10'	Full sun. Prefers clay, loam, acidic soils	Moderate	This is one of the best early-season varieties. Sugar May is medium in size, highly colored and firm, producing excellent quality freestone peaches. Early fruit thinning is encouraged to achieve maximum fruit size.
Blazing Star Peach (Bailey)	Height: 4-6' Caliper: 5/8-3/4"	Yellow flesh, firm fruit	8-10'	Prefers loam or clay soils, well drained. pH 6.5	Moderate	A very attractive, firm, yellow-fleshed peaches. Ripens in early to mid-August. Tree is vigorous, upright and winter hardy.
Bartlett Pear (OHxF97)	Height: 4-5' Caliper: 1/2" - 5/8"	Medium to large in size; a true pyriform, or pear shape.	8-10'	Full sun, loamy soils.	Fast	A large, heavy-bearing variety with excellent quality. Long considered one of the choicest canning varieties. Bartlett requires cross pollination and ripens in late August.
Red Clapp Pear (OHxF97)	Height: 4-6' Caliper: 3/8"	Red, medium to large fruit	18-20'	Full sun. Prefers loamy soil. pH 6-7	Moderate	Fruit is juicy with a fine sweet texture, ideal for fresh-eating and canning. Early maturing, fresh market variety.
Flavortop Nectarine (Lovell)	Height: 4-6" Caliper: 3/4"	Yellow-fleshed, nearly full red skin	10-12'	Full to partial sun; well-drained soil	Moderate	A large, attractive mid-season nectarine. The fruit is very firm, freestone and very good quality. The tree is vigorous, moderately productive and is susceptible to bacterial spot.
Northstar Cherry (Mahaleb)	Height: 4-6' Caliper: 1/2"	Sweet and tart fruit	8-10'	Full sun. Prefers loamy soil. pH 6-7	Moderate	Fruit is juicy with a fine sweet texture, ideal for fresh-eating and canning. Heavy producer. Fruit bears in 3-5 years. Winter hardy.

Pawpaw ( <i>Asimina triloba</i> )	1-2'	Narrow, conical, delicious fruit that is soft with thin skin when fully ripe	12"	Filtered sun, young plants are sensitive in full sun	Slow-moderate	Pawpaw fruits are the largest <i>native</i> edible fruit in the USA. The dark brown flower buds turn into maroon flowers that are about 2 inches across and upside down. The seeds are about a half inch to an inch and a half long and shaped similarly to lima beans.
<b>Other Items for Purchase</b>						
<b>System Rain Barrel</b>	The SYSTEMN Rain Barrel can lower municipal water demands and save energy at water treatment facilities by reducing water pollution and storm water runoff. Rain water, free from chlorine and water treatment chemicals, is an excellent water source for lawns, plants and gardens. 55 Gallon capacity; easy to install; mosquito guard on top, easily attaches to additional rain barrels.					
<b>Compost Turner</b>	Turn compost easily without the back-breaking work. Just plunge this sturdy compost turner into your pile. As it is withdrawn, the heavy-duty blades open to aerate and turn your compost. 34" long.					
<b>Soil Acidifier for Blueberries</b>	This all-natural, fast-acting acidifier is also a long-lasting source of sulfur. Optimizes soil pH and turns pink hydrangeas blue! Perfect to use when planting blueberries to lower soil pH.					
<b>Duck Box</b>	Wood ducks, Barrow's goldeneyes, common goldeneyes, hooded mergansers, common mergansers, and buffleheads are all cavity nesting ducks. To increase the chances of your nest box being used by waterfowl, it should be located in an area attractive to cavity nesting ducks, trees along riverbanks and lake shorelines. There is a piece of 1/4" hardware cloth on the inside so the ducklings can climb out when it is time, and holes in the bottom for ventilation. The front door also has a top hinge and lifts up for easy cleaning.					
<b>Bat Box</b>	The box should be placed at least ten feet above the ground in an open area orientated south-southeast (135° azimuth is optimal) where it receives at least seven hours of direct sun. The box will be more attractive to bats if it is within 1,500 feet of a permanent stream or pond and within 10-30 yards of a tree line to provide quick cover from predators, such as owls. The single chamber has fine screening on the backboard so they can attach and climb up into the chamber. The front door also has a top hinge and lifts up for easy cleaning. Many years of research indicates that painting or staining only the OUTSIDE of your bat box will successfully attract bats and provide the perfect internal temperature.					

