

# MONTCALM CONSERVATION DISTRICT

## Tree Sale Catalog Spring 2021

The following descriptions list the basic uses and site requirements for the trees and shrubs offered for sale.

Our staff is available to answer additional questions (989) 831-4212 Ext. 5.

**M** = Native to Montcalm **MI** = Native to Michigan **NA** = Native to North America **EA** = Native to Europe or Asia

**Conifers are commonly referred to as "Evergreen" or "Softwood" Trees**

**Common spacing are (8' x 6') ~ 1000/acre, (8' x 8') ~ 700/acre and (10' x 10') ~ 450/acre. Close spacing is best for timber production. Wider spacing is better for wildlife habitat.**

**White Pine:** (*Pinus strobus*) **M** Large fast-growing tree (80-150 ft.). Grows well on a wide variety of soils. Good for both timber and wildlife. Needles are soft; blue green; 5 per bundle; length 4". Moderately shade tolerant. Best timber form is attained when grown under light shade.

**Red Pine:** (*Pinus resinosa*) **M** Medium size fast growing tree (70-110 ft.). Grows best on sandy well-drained soils. Our best pine for reforestation. Improve wildlife value by adding a few oak and white pine into red pine plantings. Needles are stiff, dark green, 2 per bundle, length 4-6". Shade intolerant.

**Jack Pine:** (*Pinus banksiana*) **MI** Small to medium size tree with moderate growth rate (35-65 ft.). Tolerates the poorest sand soils. Uses include timber, wildlife habitat, reforestation, and erosion control. Needles are yellowish-green, stiff, 2 per bundle, length 2-3". Shade intolerant.

**White Spruce:** (*Picea glauca*) **MI** Medium size slow growing tree (60-80 ft.). Prefers moist conditions but will tolerate dry soils. Used for windbreaks, wildlife habitat, and Christmas trees (pungent odor). Needles are singular, sharp, dark green, length 1/3-1/4". Moderately shade tolerant.

**Black Spruce:** (*Picea mariana*) **MI** Small to medium size tree (30-50 ft.). Native to Northern LP and UP. Best suited for lowlands with acidic, poorly drained soils and mucks, especially those with a high organic content. Shallow root systems are adapted to growing on permafrost so protection from wind is essential. Not adapted for areas where salt spray may occur like road frontages. Does best when paired with tamarack, bigtooth aspen, and lowland shrubs like red-osier dogwood. Very thick foliage of dark blue-green color.

**Blue Spruce:** (*Picea pungens*) **NA** Medium size slow growing tree (50-70 ft.). Grows well on a wide variety of soils, tolerates dry conditions. Used for windbreaks, wildlife habitat, Christmas trees, and landscaping. Needles are singular, very sharp, blue or green in color, length 3/4- 1.0". Moderately shade tolerant.

**Norway Spruce:** (*Picea abies*) **EA** Large fast-growing tree (80-130 ft.). Grows well on a wide variety of soils including loams and clays. Used for windbreaks, reforestation, and landscaping. Develops large sweeping branches with age. Needles are sharp, dark green, singular, length 1/3-1/2". Moderately shade tolerant. Well suited to our climate.

**Eastern Red Cedar:** (*Juniperus virginiana*) **M** Slow growing medium sized tree (40-50 ft.). Excellent choice for wildlife food and cover. Waxy, blue berries ripen in autumn and are favored by many birds. Individual trees are either male or female so some will not have fruit. Tolerates drought and poor soils and prefers full sun. Not generally browsed by deer. Wood is used for cedar chests and closets.

**White Cedar:** (*Thuja occidentalis*) **M** A beautiful, straight, dense, dark-green symmetrical tree (40-80 ft.). Prefers heavy, damp areas, but will also grow on upland areas. Will require protection from deer.

**Douglas-fir:** (*Pseudotsuga menziesii*) **NA** Large, moderately fast growing, evergreen tree (80-130 ft.). Grows best on moist, well-drained soils such as loams. Needles are flat and have rounded tips unlike spruce, blueish-green in color. Cones are a red-brown and hang from the branches, have characteristic "rat's tails" protruding from cone scales. A shade-tolerant species native to western North America that do well intermingled with aspen stands.

**Fraser fir:** (*Abies fraseri*) **NA** Small to medium sized tree (50-60ft). Native to the southern Appalachians and Smokey Mountains. Seedlings grow best in full sun, but can tolerate some shade. Grows in many soil types, prefers rocky, acidic soil. Adapted to cool, moist environments, not drought tolerant. Popular for Christmas trees.

**American Larch:** (*Larix laricina*) **M** Medium size (40-65 ft) fast growing tree with short, flexible needles which turn yellow in the fall and drop in the winter. Grows well in wet soils, swamps, bogs, occasionally in uplands. (Also referred to as Tamarack.)

### Broadleaf, Deciduous, Hardwood Trees

**Common spacing are (10 x 10) ~ 450/acre and (10 x 12) ~ 375/acre.**

**Red Maple** (*Acer rubrum*) **M** Fast growing medium to large tree (65-120 ft.). Tolerates wet and dry soils. Uses include wildlife plantings and landscaping. Leaves are green in summer, fall color can be red, yellow, or orange. Moderately shade tolerant. Michigan's most abundant tree.

**Northern Red Oak** (*Quercus rubra*) **M** Large moderate growing tree (75-150 ft.). Will grow on most soils tolerates both dry and wet conditions. Much easier to establish on dry poor soils than moist rich soils. Uses include wildlife, reforestation, and landscaping. Fall color is typically brownish orange. Moderately shade intolerant.

**White Oak (*Quercus alba*) M** Large slow growing tree (70-120 ft.). Grows well on most sites and is well suited to dry sandy soils, it is seldom found on wet sites. Uses include wildlife (preferred by deer), reforestation, and landscaping. Very desirable timber species. Prefers partial shade. Fall color is a dull maroon.

**American Chestnut (*Castanea dentata*) NA** Medium sized tree at maturity, fast growing (80-120 ft). Best suited for slightly acidic, sandy loams that are well drained. Will not do well in poorly drained areas. Shade intolerant. Moderately drought tolerant. Mast is good for deer and turkey. Wood is extremely decay resistant, good for mast, lumber, and firewood. Good to mix with oak and hickory. **Note:** this is true native chestnut and is NOT blight tolerant, do not plant in areas near known scarlet oak.

**Quaking Aspen (*Populus tremuloides*) M** Medium sized tree (40-60 ft), fast growing. Grows in a variety of soils, best suited for moist, but not water-logged areas. Pairs well with bigtooth aspen and cottonwood. Very shade intolerant, a disturbed site species that is short lived (50-60 years), before being replaced with more tolerant species. Provides good wildlife habitat and food due to short lifespan. Good for restoration of riparian areas and protecting from soil erosion.

**Pawpaw (*Asimina triloba*) MI** Small sized tree (<25 ft) at maturity. Seedlings need to be protected from full sun for the first few years but then they prefer full sun. Best suited for slightly acidic, well drained soils, such as loams. Good site indicators are the presence of sugar maple and spicebush. Fruits ripen in early fall (late August-early Sept) and are soft like an avocado or peach. They are edible and can be used in many food products, however the fruit spoils very quickly. Trees typically take 5-7 years to produce fruit. Resistant to deer browse.

**Persimmon (*Diospyros virginiana*) NA** Small sized tree (20-40 ft) at maturity, slow growing. Can grow in both well-drained sandy soils as well as heavy clay loams. Best suited for moist, well-drained soils. Prefers full to partial sun. Fruit can be produced as early as 10 years but most common from 25-50 years. Fruit is good for numerous wildlife species and edible for humans, when ripe. A deep rooting species that is good for erosion control. Deer will browse if not protected.

**Eastern Redbud (*Cercis canadensis*) MI** Small tree (15-25 ft.) single or multiple thin trunks with low branching, horizontal branching on umbrella-like spreading crown. Simple heart shaped leaf 2-6". Prefers moist soils, along streams, forest edges, and shade.

**Mountain Ash (*Sorbus americana*) MI** Small tree (10-25 ft.). A northern tree with small white flowers in the spring. Produces red Berries which persist through winter until eaten by birds. Grows best in loam soils with good drainage. Uses include wildlife and landscaping.

## Fruit Trees

**Apple trees: Pack of 3, with one of each variety.** Must have crabapple or another apple tree within about 60 feet for pollination. They are semi-dwarf trees which are free standing (no staking needed). Great for wildlife. Apple trees should be planted 15-20 feet apart. Trees should be watered as soon as planted. In normal seasons, two waterings are usually enough, however dry seasons may require more. Full light is required for fruit trees. They must be sprayed to control fungus, insect, and bacterial pests. Maintenance pruning is needed EVERY year. DO NOT FERTILIZE TREES THE FIRST YEAR!

### Pack Contains:

**Ambrosia apple:** Originally discovered in British Columbia, Canada. This apple matures in September and features a sweet taste with a crisp texture. The fruit will feature a pink to red blush. Growth is compact, upright, and very productive.

**Aztec Fuji:** This apple originated in New Zealand and is a full-colored, blush apple. It matures in the late season and tree growth is highly vigorous. Fruit is featuring the same flavor characteristics of a traditional fuji.

**Royal Red Honeycrisp:** Originally from the Columbia Basin of Washington State, this apple is a blush type apple. Being a honeycrisp means it features the signature crisp texture and sweet flavor that people and animals love. This tree is not as vigorous and it should not be cropped too soon.

## Wildlife Shrubs

**Ninebark (*Physocarpus opulifolius*) NA.** Deciduous shrubs with shreddy bark. Does best in full sunlight or light shade. Relatively free from diseases. Flowers white in flat top clusters from May to July. Red Fruit persists through winter. Grows 3-10'.

**Fragrant Sumac (*Rhus aromatica*) NA** Medium size shrub (2-6 ft.). Best growth is on well-drained soils. Full sun to partial shade. Spring flowers are white -yellow. Good autumn color with leaves turning yellow to red to red-purple, aromatic when crushed. Bears hairy red fruits sought after by birds/small mammals. Good plant for birds and butterflies.

**Staghorn Sumac (*Rhus typhina*) NA** (3-33 ft.). Best growth is on well-drained soils. Full sun to partial shade. Spring flowers are yellow to greenish. Good autumn color with leaves turning bright red to maroon. Bears fuzzy bright red to brownish-red fruits sought after by birds/small mammals. Good plant for birds, butterflies, bees.

**Gray Dogwood (*Cornus racemosa*) M** Small to medium size shrub (3-6 ft.). Commonly found along forest edges and other open areas. This dogwood is straight stemmed and given time forms large dense thickets. It is useful for deer and birds. Grows well on wet or dry soils. Shade intolerant.

**Red-Osier Dogwood (*Cornus stolonifera*) M** Small to medium size shrub (3-6 ft.). Grows along the borders of streams, wetlands, and ditches. The bright red twigs make this plant useful in landscaping. Deer browse the twigs in winter and various birds feed on the white berries. Also useful for stream bank stabilization. Moderately shade intolerant.

**Silky Dogwood (*Corylus amomum*) M** Small tree (10-15 ft). Best suited for moist, well-drained, slightly acidic (<6.0 pH) areas such as along water and can be used for erosion control. Good wildlife value, berries are good for many types of birds and ground mammals. Good host plant for butterflies. Tolerant to drought, moderate soil compaction, and deer browse. Prefers partial to full sun.

**Filbert/American Hazelnut (*Corylus americana*) M** Medium sized shrub (3-8 ft.). Grows on a wide variety of soils but grows best on sandy soils. Nuts are produced annually and are often eaten before they ripen by wildlife. Excellent wildlife shrub. Moderately shade tolerant.

**Arrowwood (*Viburnum dentatum*) NA** Large shrub (10-15 ft) at maturity. Prefers partial shade but can tolerate full sun. Best suited for loams with good drainage such as streambanks, marshes, etc. Fruit is good for birds, squirrel, and turkeys, it is edible. Good for pollinators and for privacy screens.

**Am. Highbush-cranberry (*Viburnum trilobum*) M** Medium size shrub (6-10 ft.). Prefers moist and wet soils and is often found growing near ditches and wetland edges. The berries are persistent through winter until eaten by birds. Although not a true cranberry the fruits are edible and have been made into jam and jelly. Moderately shade intolerant.

**Black (Common) Elderberry (*Sambucus canadensis*) M** Shrub (10-12ft). Only the blue or purple berries of elderberry are edible. The blue or purple berries can be made into elderberry wine, jam, syrup and pies. The entire flower cluster can be eaten raw or made into a fragrant and tasty tea. Flowers add an aromatic flavor and lightness to pancakes or fritters. Elderberries are high in Vitamin C. The red berries of other species are toxic and should not be eaten.

### Native Wildflower Seed Mix

**Midwest Mix:** The Grow Wild Seed Mix for the Midwest contains annuals and perennials for ornamental landscaping in the Midwestern U.S. This area includes IL, IN, IA, eastern KS, KY, MI, MN, MO, eastern NE, OH, and WI. Flowers will provide color throughout the growing season.

Highlight Species: Coneflower, Candytuft, Baby's Breath, Shasta daisy, Prairie clover

**Bird & Butterfly:** The Grow Wild Seed Mix for birds and butterflies contains annuals and perennials for creating a permanent, backyard habitat to attract your favorite winged wildlife. Flowers in this mix will provide colorful blooms all season long as well as nectar and seed for songbirds, hummingbirds and butterflies.

Highlight Species: Lupine, Candytuft, Larkspur, Coneflower

**Knee-Hi Wildflower:** The Grow Wild Seed Mix for knee-hi wildflowers is a very popular flower mixture. It is composed of annuals and perennials that are generally less than 24 inches tall at maturity. It is especially suitable for residential or commercial landscaping projects where height may be an issue.

Highlight Species: Forget-Me-Not, Larkspur, California poppy, African daisy

### Tree Planting Supplies

**Liqua Gel:** This gel helps keep roots moist during storage and planting. It is still important to keep roots covered during planting to avoid exposure to wind, sunlight, and dry air. Particles have effective life up to five years in the soil and absorbency up to 400 times dry weight.

**Tree Planting Bar:** This tool makes tree planting much easier and faster. Best suited to small seedlings.

**Trees Planted Flags:** 10 flags/bundle on wire stakes.

**5' Max Grow Tube Tree Shelter:** Protects seedlings from animals, wind damage and climate conditions. Translucent design allows for protection while letting sunlight in to act as a greenhouse. Includes stake, pre-installed ties and netting to go over the top. Not recommended for fruit trees.

**36" Spiral Tree Guard:** Made from tough vinyl, weather resistant, easy to use. Protects fruit tree stems from deer rub. Spiral guards install quickly, offer reusable protection from rabbits, rodents and mechanical damage. Best used on fruit trees.

### Books & More

We stock several titles of interest for adults and children. Several identification guides specifically for Michigan including fish, mammals, rocks & minerals, wildflowers, trees, birds, etc. We also have a series of quick guides (spiral bound, tabbed) identification booklets, books on native plant gardening, common weeds, and woodworking for wildlife. Playing cards with images and information specific to the Midwest will add to your card playing time! New to the items available are log house bird feeders and bird houses. Watch the website and Facebook for updates on these items. Show your support for the Montcalm Conservation District by purchasing a reusable canvas tote embroidered with our logo.

**Order deadline is March 30<sup>th</sup>. Pick-up is April 23<sup>th</sup> in Stanton.** You will receive a notification of pick-up time and location. If you have questions please call (989) 831-4212 Ext. 5.

**3-point tree planter available.** Rental cost is \$75/day with a \$100 refundable deposit. Call to schedule.

Watch for tree sale updates and other information here:

<https://www.montcalmcd.org/>

Find us on  @montcalmconservationdistrict



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## NEW THIS SPRING

### WILDFLOWER SEED PACKS \*\*\*\*\*TREE TUBES & TREE GUARDS

#### MORE SPECIALTY PACKETS

**Turkey Forage (Native)**~ 2 each of Black Oak, Wild Grape, Washington Hawthorn, Sargent Crabapple, Black Elderberry. All 12-18" stock.

**Deer Food (Native)**~ 2 each of American Hazelnut, Chinkapin Oak, Persimmon, Domestic Apple, Coralberry (Buckbrush). All 12-18" stock.

**Wild Berry(Native)**~ 2 each of Elderberry, Shadblow Serviceberry, Native Flowering Raspberry, Red Mulberry. All 6-12" stock.

**Pollinator (Native)**~ 2 each of Red Osier Dogwood, Choke Cherry, American Plum, Meadowsweet, Pasture Rose. All 12-18" stock.

**Wildlife (Native)**~ 2 each of Swamp White Oak, American Hazelnut, Ninebark, American Plum, Red Osier Dogwood. All 6-12" stock.

**Beauty**~ 2 each of Redbud, Serviceberry, Lilac, Flowering Dogwood, Black Chokeberry. All 12-18" stock.

**Edible Landscape**~ 2- 10-16" Blueberries, 3- 6-12" Red Currants, 3- 12-18" Serviceberries, 2- 12-18" Nanking Cherry.