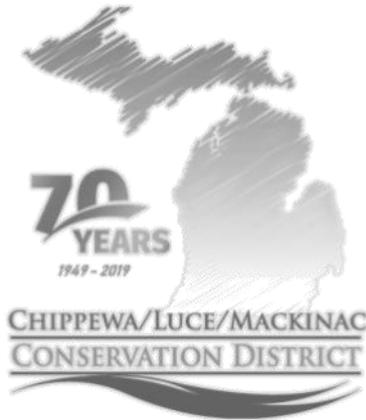


**CHIPPEWA LUCE MACKINAC
CONSERVATION DISTRICT
2019 TREE SALE
CATALOG**



Orders due Friday, April 5th, 2019 by 4:30 pm

**2019 Tree Sale Pick up dates and
locations:**

***Pick-up dates are subject to change due to
weather and Nursery delays**

Sault Ste. Marie at Kaine's Ice Rink:

Friday, May 3rd 12:00pm-6:00pm

Saturday, May 4th 10:00am-12:00pm

Newberry at Newberry Water and Light Board:

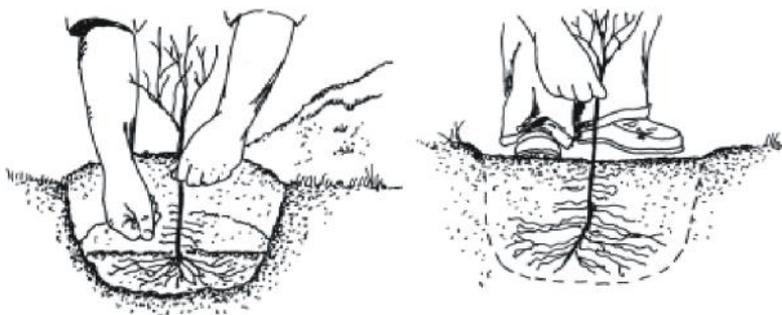
Saturday, May 4th 9:00am-11:00am

Don't miss out, order early! Some species available in limited quantities

Late orders will be filled if possible.
Orders picked up after May 4th will incur a \$10.00 holding fee

TREE PLANTING GUIDE

1. It is best to plant in early spring or late fall when the plants are dormant. Planting in fall is discouraged in clay soils as these plants may be heaved from the ground by frost before roots can become established.
2. When planting, keep the young roots moist and out of direct wind and sun.
3. Prune roots to eight inches in length (use clippers or a sharp ax). Root pruning makes planting easier and increases survival rates. The depth of the planting hole and length of roots should be about the same but not less than 8 inches. The root collar (small swelling where the ground level was at the nursery) should be an inch deeper than the new surface.
4. When planting bare root stock by hand, use a shovel to dig a hole large enough to spread the roots in a natural, uncrowded way. Add soil around the roots to the root collar and tap firmly to exclude air. You can also use a planting bar, or dibble, to make a vertical slit in the soil and to repack the soil around the tree after planting. Be careful not to crowd the roots. Make sure the soil is firmly replaced.
5. Water the trees after planting. Watering at intervals will help newly planted trees and shrubs become established and grow successfully.
6. Mulching with bark, peat moss, or straw retains soil moisture and holds down competing weeds or grass. Support stakes and wires will help taller trees if necessary. Protect the trees from browsing by deer, rabbits, mice and voles by installing plastic tubes, wire cages and/or wraps.
7. After the first year, some maintenance is usually needed. Eliminate competing vegetation within a 3-foot circle for a period of at least three years. Hand pulling weeds, hoeing or relying on a selective herbicide are all good methods whether applied singly or in combination. Using weed whackers or whips is not a good idea because they can injure young plants. Mowing is not usually effective weed control either. Pruning may also be needed annually to help growth.



Sargent, M.S. and Carter, K.S., ed. 1999.
Managing Michigan Wildlife: A Landowners Guide.



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EQUIPMENT

Equipment for Rent The District has a three point hitch tree planter for rent for \$75.00 per day. An aerator is also available. Deposits are required on all equipment. Call the office or Skinner's Garage (906-647-8121) in Pickford for details.

PRODUCTS AVAILABLE

Tree Tube Protectors Protect tree seedlings from harmful animals and create a mini-greenhouse that increases growth potential. 5 feet tall, stake included. \$6.00 each.



Terra Sorb Root dip that absorbs and stores water, releasing it to plant roots for increased survival and growth. \$1.00 per bag.



WORKSHOPS AND EVENTS



Well Water Screening Event **Bring a water sample to the Spring Tree Sale** **in the Sault Ste Marie for a free screening!**



Samples from drinking water wells will be screened for nitrate and nitrite. The screening is open to everyone who uses a private well for drinking water, however, the number of samples that can be tested is limited to 20 at each testing location.

Download and print the sampling information sheet (must be filled out completely and accompany your water sample) and directions on how to properly take a sample from our website at www.clmcd.org or contact Jen Parks at 906-632-9611 x109 or Jennifer.parks@macd.org.



7th Annual Garlic Mustard Kick-Off
June 1st, 10:00 AM at the Cut River Bridge
Join the Three Shores Cisma and attack invasive Garlic Mustard at the Cut River Bridge (US-2) June 1st! Get educated on this highly invasive plant, win prizes, enjoy free lunch, and protect our Great Lakes ecosystem by removing as much garlic mustard as you can! Car pool options available. More info e-mail nick.cassel@macd.org or call 906-632-9611 x121 to get involved!

District Programs and Services

Visit www.clmcd.org or call 906-635-1278 for more information on the many programs currently offered by the District including the Forestry Assistance Program (FAP), Hunting Access Program (HAP), Michigan Agriculture Environmental Assurance Program (MAEAP), Cooperative Invasive Species Management programs and many others!



EDUCATION
ON THE FARM

Coming
Summer 2019!

Planning for the 2019 Education on the Farm event is underway. Keep an eye out on our Facebook page and website (www.clmcd.org) for the latest information. If you are interested in volunteering for the event please contact Jen at Jennifer.parks@macd.org or call 906-632-9611 x 109.

CONIFEROUS TREES

Cedar, White (*Thuja occidentalis*) Small to medium-sized tree growing up to 60 ft. Very slow-growing. Shade tolerant but best in full or partial sun. Prefers moist deep rich organic soil, but will inhabit dry upland sites. Not found in upland acidic soils. Adapted to clay and sand soils. Wood commercially valuable due to its variety of uses. Favorite deer shelter and food. Native.

Pine, Red (*Pinus resinosa*) Fast-growing, long-lived tree growing up to 80 feet. Shade-intolerant. Grows best on well-drained sandy loam soil. Intolerant of high water tables. Excellent tree for reforestation on poor sandy sites. Timber tree with distinctive reddish bark. Native.

Pine, White (*Pinus strobus*) Long-lived, moderately fast-growing reaching 80-100 feet. Fairly shade-tolerant, seedlings grow best in partial shade. Prefers moist sandy loam soils but will grow on a variety of sites from swamp to dry sand. Tall, straight stemmed, provides cover and food for wildlife. Native.

Pine, Jack (*Pinus banksiana*) Small to medium sized tree reaching 55-65 feet. Great habitat for unique wildlife species including endangered Kirtland's warbler and excels in dry, acidic sandy soils or in loamy or thin soils over bedrock. Native.

Cedar, Red (*Juniperus virginiana*) Small to medium sized reaching 10-40 feet. Occurs commonly on limestone derived soils. Does best on dry soils in full sun light. Native.



Large Conifer Transplants Available

From **Alan Raynard**

White Spruce, Blue Spruce, & Limited Norway Spruce

24-36" - \$24.00 each

36-48" - \$28.00 each

All trees come with a soil ball that is wrapped in burlap.

Call Alan at (906) 647-6697 to order.

CONIFEROUS TREES CONTINUED...

Spruce, Black (*Picea mariana*) Growing up to 75 feet, it often appears shrub-like near tree lines with branches short and drooping. Prefers wet organic soils but also grows in clays, loams, sands, and coarse till. Native.

Spruce, Blue (*Picea pungens*) A native of the Rocky Mountains, slow-growing, long-lived, medium-sized up to 50 feet. Grows well on almost any upland soil; drought resistant. Root system very shallow on heavy textured or wet soils, exposed trees subject to wind throw. Exotic.

Spruce, Norway (*Picea abies*) Moderately fast-growing, long-lived tree reaching 85 feet. Prefers full sun, tolerates some shade. Thrives on rich, acid, moist well-drained soils but will grow on wide variety. Root system shallow on clay or poorly-drained soils. Mature tree has vertically drooping branches and conical spire-topped crowns. Exotic.

Spruce, White (*Picea glauca*) Medium to large reaching 80 feet. Shade-tolerant but prefers sun. Clay, sand and loam soils with moisture conditions from moist to dry, best in well-drained sandy loams. Drought resistant. Straight stemmed, narrow crowned. Native.

Tamarack (*Larix laricina*) Also know as American larch. Medium deciduous conifer tree reaching 60 ft. Straight, slender trunk and narrow, open pyramidal crown. Shade intolerant. Can withstand high soil moisture, high acidity, and low soil temperature. Native.

2019 PLUG STOCK & PRICES

Plug Stock Seeded in trays, when the plug is extracted, soil is left on the roots for protection during handling and planting. Plug stock tend to have a higher survival rate than bare root stock. 2019 Plug stock available in white birch, Yellow birch, white cedar, red oak, red pine, jack pine, white pine, tamarack, Norway spruce, white spruce, and black spruce.

Variety	Size	Qty 25	Qty 50	Qty 100	Qty 500
Birch, White	6-12"	\$30.00	\$56.00	\$100.00	\$400.00
Birch, Yellow	6-12"	\$30.00	\$56.00	\$100.00	\$400.00
Oak, Red	6-12"	\$60.00	\$112.00	\$200.00	\$800.00
White Cedar	6-12"	\$19.00	\$35.00	\$62.00	\$250.00
Pine, Jack	6-12"	\$15.00	\$26.00	\$47.00	\$190.00
Pine, Red	6-12"	\$18.00	\$33.00	\$60.00	\$240.00
Pine, White	6-12"	\$18.00	\$33.00	\$60.00	\$240.00
Tamarack	6-12"	\$15.00	\$28.00	\$50.00	\$200.00
Spruce, Black	6-12"	\$18.00	\$33.00	\$60.00	\$240.00
Spruce, Norway	6-12"	\$18.00	\$33.00	\$60.00	\$240.00
Spruce, White	6-12"	\$18.00	\$33.00	\$60.00	\$240.00

APPLE TREES

2019 Apple Varieties Shared Characteristics: All apple varieties listed below for the Spring Tree Sale share some common characteristics. Apple trees will reach a height of 12-15' and will spread approximately 12-15' wide. Each has a white bloom except for Ginger Gold and has Medium—large fruit size. Pollination is required (you will need to buy two varieties or plant near an existing apple tree for cross pollination) and the trees require full sun. Loamy, well drained soils will yield highest success with a pH Level between 6.0 and 7.0. It will take approximately 2-6 years for the trees to begin bearing fruit.

Honeycrisp (*ELMA 111, 1/2" diameter*) Outstanding fresh-eating qualities make this variety a favorite. Fruit is aromatic and sweet with a juicy, crisp texture. Calcium improves fruit quality and helps with growth. Pollination required.

Wealthy (*EMLA 111, 1/2" diameter*) Old American apple used for sauce and baking, also used fresh and for cider. Crisp and fruity flavor. Scarlet blush color, September harvest. Pollination required.

Ginger Gold (*EMLA 7, 5/8" diameter*) Enjoy apples in summer! This early picker allows you to enjoy apples sooner than most varieties. Grow juicy and delicious apples that feature a yellow-green skin with a golden glow. A crisp crunch and mildly tart flavor – plus natural resistance to browning – makes the fruit perfect for fresh eating. Pollination required.

Pristine (*EMLA 7, 5/8" diameter*) An early summer apple! Tree bears crops of medium to large fruit with a sweet-tart taste and a crisp, breaking flesh. Fruit features canary-yellow skin with a slight pink blush. Excellent for cooking, sauce, and eating fresh.

	Fruit Color	Ripens/ Harvest	Taste	Texture	USDA Zone
Honeycrisp	Red	Early September	Mild/Sweet	Crisp	3-6
Wealthy	Red/green	September	Sprite	Crisp/Juicy	4-8
Ginger Gold	Yellow Green	August/September	Mild/Tart	Fine/Tender	5-9
Pristine	Yellow	August	Tart	Crisp	5-8

2019 APPLE PRICES

Apple Tree Set of 4 (Honeycrisp, Wealthy, Ginger Gold, Pristine)	\$72.00
Apple Tree - Individual - Quantities 1-3 (Specify Variety)	\$20.00 each
Apple Tree - Individual - Quantities 4+ (Specify Variety)	\$18.00 each

DECIDUOUS TREES AND SHRUBS

American Hazelnut (*Corylus americana*) Medium to fast growing up to 8-12 feet with a crown spread of 10-15 feet. Adapts well to a range of soils but prefers well-drained loams. Full sun for best growth. Edible nut ideal for wildlife. Exotic.

American Plum (*Prunus americana*) Moderately fast-growing up to 10 feet. Thorny, winter-hardy, and thicket-forming. Edible fruit used to make preserves and jellies. Adapted to wide variety of soils, prefers full sun to partial shade. Wildlife species used for nesting, loafing, and bedding area. Native.

Ash, Mountain (*Sorbus aucuparia*) Fast-growing to 40 feet. Beautiful white spring flowers. Bright reddish-orange berries in fall attract wildlife. Grows best in rich moist soils of river banks and swamp borders and in rocky forest areas. Host for Swallowtail butterflies. Exotic.

Birch, White (*Betula papyrifera*) Familiar and handsome shade and ornamental tree to 80 feet. Fast growing and shade intolerant. Prefers moist sandy loams but will grow on a variety. Grouse utilize buds, host for mourning cloaks and white admiral butterflies. Native.

Choke Cherry (*Prunus virginiana*) Grows to 30 feet. Tolerates most soils except wet ground. Found in jack pine stands, along roads and river banks. Red to black berries in late summer. Fruit astringent but good for jelly. A first flowering tree to bloom in early spring. Native.

Oak, Bur (*Quercus macrocarpa*) Slow-growing, long-lived tree to 80 ft. Very drought tolerant. Prefers full sun on moist site but moderately shade-tolerant growing on a broad range of soils, wet clay soils and soils inundated in spring. Somewhat rough appearance makes it less desirable visually but sweet edible acorn is prized by wildlife. Native.

Oak, Red (*Quercus rubra*) Moderately fast-growing large tree that thrives on rich moist soils but also grows on sandy sites. Long-lived, it reaches heights of 70 feet and does best in full sun or light shade. Desirable street and lawn tree as it is tolerant of salt. Acorns taken by grouse, squirrels, deer and other wildlife. Native.

Oak, Swamp White (*Quercus bicolor*) Slow-growing large tree that reaches 90 feet. Tolerates most soils except very wet sites. Acorns a favorite of both birds and animals. Valuable timber/wildlife tree. Native.

Lilac, Common (*Syringa vulgaris*) The common lilac is an old-fashioned, long-lived, and well-loved lilac best known for its fragrant flowers. It is extremely hardy and thrives with little care which make it a lovely shrub for a specimen planting, in masses, screens, hedges, or mixed in shrub borders. The May blooming flowers are typically purple to lilac. Exotic **NEW***

Walnut, Black (*Juglans nigra*) Quick growing tree in ideal conditions up to 70-100 ft. Self pollinating. Great wildlife tree for all types of animals. Roots produce toxin not suitable for sensitive species of plants. **NEW***

Cherry, Black (*Prunus serotina*) Trees are hardy, fast growing, and long-lived. Leaves are oval with thinly pointed tips. Autumn colors are yellow to orange-red. Flowers are small and white. Fruit bears every 3 to 4 years. Fruit is dark purple, sweet and edible. Not to be confused with the cultivated sweet black cherry trees. Native **NEW***

Winterberry, Holly (*Ilex verticillata*) Winterberry (*Ilex verticillata*), also known as Michigan Holly, is primarily a wetland shrub. It can reach up to 12 feet in height. It prefers wet to moist soil with very poor to moderate drainage. It is salt sensitive. Winterberry transplants well and is fairly resistant to disease and insects. It is also resistant to compact soils. The berries have a high wildlife value for waterfowl and songbirds, but are poisonous to humans. Winterberry needs both male and female plants for berries. Native

Birch, Yellow (*Betula alleghaniensis*) The name "yellow birch" reflects the color of the tree's bark. The wood is extensively used for flooring, cabinetry and toothpicks. Most wood sold as birch in North America is from this tree. Broken twigs have a wintergreen smell. The bark is amber to silvery with a smooth texture and exfoliating in thin rolls.

Mulberry, Red (*Morus rubra*) Tree species that can reach heights up to 60 feet. Prefers deep well drained soil that is high in organic matter. Produces dark purple fruit. Wildlife species. Native.

DECIDUOUS TREES AND SHRUBS

Elderberry, Common (*Sambucus canadensis*) Fast-growing shrub to 12 feet. Reproduces vegetative, provides excellent nesting cover. Prefers full sun or partial shade, well-drained soils but will tolerate saturated soils. Rarely found on dry upland sites. Fruit attracts 50+ species of birds and mammals. Excellent background shrub with an unkempt irregular crown. Fruits ripen from August to September and are used in pies, jams and wine. Native.

Highbush Cranberry (*Viburnum trilobum*) Attractive shrub up to 15 feet that will tolerate a high degree of shade once established. Tolerates a broad range of soils, including wet clay. Prefers moist site in the open or partial shade. Produces handsome clusters of white flowers. Bright scarlet berries are winter food for ruffed grouse. Native.

Nannyberry (*Viburnum lentago*) 12-15 feet high. White flowers appear May-June. Found on wet sites, fruits eaten many birds and mammals. Moderately shade tolerant and fast growing. Short-lived. Native.

Ninebark (*Physocarpus opulifolius*) Shade intolerant, spreading shrub up to 10 feet. Pink to white flowers appear in June & July. Fruit attracts wildlife, remains on branches throughout winter. Along stream banks, the branches provide high quality aquatic cover. Great for borders and screens, transplants easily. Native.

Maple, Red (*Acer rubrum*) Fast-growing and moderately long-lived tree reaching heights of 70 ft. Shade tolerant. Found in all sorts of woods, prefers wet to moist poorly-drained sandy or loam soil. Well named tree as the flowers, young fruit and autumn foliage are a brilliant red. Often planted as a shade tree. Native.

Maple, Sugar (*Acer saccharum*) Hard maple. Valued for its wood and also as a shade and ornamental tree. Sap is a source for maple sugar. Grows best on rich moist upland soils but will adapt to poorer, drier sites. Slow-growing and long-lived. Reaches heights of 90 feet. Native.

Serviceberry (*Amelanchier arborea*) Also known as Juneberry, 15-25 feet. White flowers appear before leaves. Young leaves are covered with soft, woolly hairs that disappear as leaf matures. Small, edible berries are reddish purple and the leaves may turn wine-red in fall. Prefers moist, well-drained, acid soils and is shade tolerant. Native.

Dogwood, Red Osier (*Cornus sericea*) Multi-stemmed spreading shrub up to 9 feet. Dark green foliage turns purple in the fall. Twigs turn red in winter. Thrives in wet soils. White flowers in June provide berries in fall. Wildlife food and habitat. Native.

Eastern Redbud (*Cercis Canadensis* L.) Beautiful tree reaching 15-30 feet tall and spreading 15 -25 feet. Deer enjoy browsing twigs during spring and summer and its flowers provide nectar for hummingbirds and pollen for honeybees. Other wildlife also take advantage of the buds, bark, and seed. Native.

Crabapple, Magenta (*Malus* sp.) Very showy tree with magenta colored flowers in the spring. Grows up to 30 feet tall in a round shape. Apples are approximately 1/2 in. diameter and normally ripen in October. Wildlife and pollinator species, Introduced.

Crabapple, Siberian (*Malus* sp.) Showy white flowers in the spring. Grows 25-35 feet tall in round shape. Fruit ranges in size and color. Wildlife and pollinator species. Introduced.

Black Chokeberry (*Aronia melanocarpa*) Cold-hardy member of the rose family growing 3 to 6 feet tall. White flowers blossom in the spring and colorful red foliage with heavy, dark fruits arrive in fall and are enjoyed by sharp-tailed and rough grouse. Deer and rabbits also enjoy browsing the plant. Berries can be canned whole or juiced for jellies or drinking. Grows best in full sunlight on low moisture but well-drained sites. Native.

Blueberry, Patriot (*Vaccinium corymbosum*) Medium shrub species reaching heights of 5-8 feet in perfect soil conditions. White/pink flowers bloom in late spring. Known for large crops and early berries.

Raspberry, Ohio Treasure (*Idaeobatus* spp.) This is the first generation of our Ever Bearing Black Raspberry. The deep black fruits are firm and full of flavor. Fruits are acceptable size of 2.1 grams, just slightly smaller than Jewell. Fruit bares in late summer early fall Once the fruits begin to ripen in August harvesting can be accomplished every 3 to 5 days for an eight week period. Plants are cold tolerant to USDA Zones 3 – 8. **NEW***

Deciduous Seedlings

Variety	Size	Qty 10	Qty 25	Qty 50	Qty 100
American Hazelnut	6-12"	\$22.00	\$55.00	\$110.00	\$210.00
American Plum	12-24"	\$25.00	\$60.00	\$120.00	\$232.00
Ash, Mountain	12-24"	\$25.00	\$60.00	\$120.00	\$232.00
Black Chokeberry	12-24"	\$22.00	\$55.00	\$110.00	\$210.00
Chokecherry	6-12"	\$35.00	\$78.00	\$137.00	\$268.00
Crabapple, Magenta	12-24"	\$31.00	\$71.00	\$125.00	\$245.00
Crabapple, Siberian	12-24"	\$31.00	\$71.00	\$125.00	\$245.00
Dogwood, Red Osier	24-36"	\$7.00	\$14.00	\$25.00	\$49.00
Cherry, Black	12-24"	\$22.00	\$55.00	\$110.00	\$210.00
Eastern Redbud	6-12"	\$25.00	\$60.00	\$120.00	\$232.00
Common Elderberry	6-12"	\$23.00	\$51.00	\$89.00	\$175.00
High Brush Cranberry	12-18"	\$14.00	\$32.00	\$57.00	\$112.00
Nannyberry	12-18"	\$35.00	\$78.00	\$137.00	\$268.00
Walnut, Black	6-12"	\$22.00	\$55.00	\$110.00	\$210.00
Ninebark	12-24"	\$18.00	\$40.00	\$71.00	\$139.00
Maple, Red	12-18"	\$22.00	\$55.00	\$110.00	\$210.00
Maple, Sugar	12-24"	\$31.00	\$71.00	\$125.00	\$245.00
Oak, Bur	6-12"	\$31.00	\$71.00	\$125.00	\$245.00
Oak, Red	6-12"	\$31.00	\$71.00	\$125.00	\$245.00
Lilac, Common	12-24"	\$34.00	\$73.00	\$130.00	\$250.00
Oak, Swamp White	6-12"	\$34.00	\$73.00	\$130.00	\$250.00
Serviceberry	24-36"	\$27.00	\$59.00	\$102.00	\$198.00
Winterberry, Holly	6-12"	\$22.00	\$55.00	\$110.00	\$210.00
Mulberry, Red	6-12"	\$55.00	\$123.00	\$217.00	\$425.00
Blueberry, Patriot	6-12"	\$8.00/1 Qt. Pot - 5 or more for \$7.50/pot			
Raspberry, Ohio Treasure	2.5" pot	\$6.00/1 pot or 5 or more for \$5.50/pot			

Coniferous Seedlings

Variety	Size	Qty 25	Qty 50	Qty 100	Qty 500
Cedar, Red	12-18"	\$27.00	\$52.00	\$106.00	\$300.00
Cedar, White	12-24"	\$27.00	\$52.00	\$106.00	\$300.00
Pine, Jack	18-24"	\$16.00	\$30.00	\$58.00	\$240.00
Pine, Red	18-24"	\$13.00	\$24.00	\$46.00	\$190.00
Pine, White	12-18"	\$13.00	\$24.00	\$46.00	\$190.00
Spruce, Black	18-24"	\$27.00	\$52.00	\$106.00	\$300.00
Spruce, Blue	12-18"	\$17.00	\$32.00	\$62.00	\$260.00
Spruce, Norway	12-18"	\$17.00	\$32.00	\$62.00	\$260.00
Spruce, White	18-24"	\$17.00	\$32.00	\$62.00	\$260.00
Tamarack	12-18"	\$27.00	\$52.00	\$106.00	\$300.00

NON-PROFIT
ORGANIZATION
U.S. POSTAGE
PAID
PERMIT NO. 330

Chippewa Luce Mackinac
Conservation District
2847 Ashmun St.
Sault Ste. Marie MI 49783



TREE SALE ORDERING INSTRUCTIONS

Complete all parts of the Order Form and return to the District Office with **full payment** on or before **April 5th, 2019** to reserve trees. Orders are filled on a first come, first serve basis. Order early to ensure quantity availability.

Address:

CLMCD
2847 Ashmun St.
Sault Ste. Marie, MI



Contact:

Phone: (906) 635-1278
E-mail:
clmcd@macd.org

Please consider making a donation with your order. Your donation will support environmental education, outreach, and other District programs and activities. We appreciate your support!