



Crawford-Roscommon Conservation District
Tree Sale Guide

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FAP Forester

Otsego, Crawford, Roscommon Counties

Brittany Mauricette was born and raised in the coastal town of Rockland, Maine. After graduating high school, she attended the University of Maine, where she received her Bachelor's Degree in Forestry and Surveying. During her time at Umaine, Brittany worked for the US Forest Service doing forest inventory in an experimental forest. After graduating in 2013, she worked as a temporary technician for Prentiss & Carlisle; a forest management company in northern Maine. Her responsibilities included timber harvest and road layout, forest inventory, harvest inspections, and mapping. In October of 2013, Brittany moved with her husband to Gaylord, Michigan to begin her work as the Forestry Assistance Program Forester for Otsego, Crawford, and Roscommon Counties. She spends her time housed between the Otsego Conservation District and the Crawford-Roscommon Conservation District, helping landowners manage their forests.

If you would like to contact Brittany to schedule a free site visit, or have questions relating to natural resources, you can contact her by phone at 989-732-4021 or by email at Brittany.mauricette@macd.org.

Forestry Assistance Program

The Michigan Forestry Assistance Program (FAP) is FREE technical assistance program for landowners in Michigan. There are currently 20 FAP foresters serving over 50 counties throughout Michigan. FAP district foresters are employed by local conservation districts and are able to provide information to landowners about nearly everything forestry related. District Foresters are responsible for providing landowners with assistance in areas such as:

- Forestry advice and assistance
- Forest management
- Forestry education
- Reforestation plan and assistance
- Tree Farm enrollment
- MAEAP FWH enrollment
- NRCS cost-shares
- Habitat and wildlife information
- Plant and pest/disease identification
- Windbreak designs
- Tax incentive programs
- Forestry referrals
- Tree sales

Tree Sale Information

Bareroot vs. Plug (containerized) Seedlings

Bareroot seedlings have no soil around the roots. They are larger than the plugs and require more care in handling and planting. Plug seedlings are grown in containers with soil surrounding the roots. Plugs are most suitable for very sandy sites where weed competition is minimal and in cases when planting must be delayed.

Common Planting Rates

(TPA = trees per acre)

	Spacing (ft)	Rate
Timber Reforestation	7x8	800 TPA
Wildlife Reforestation	10x10	435 TPA
Wildlife Shrubs	8x10	45 per clump
Christmas Trees	6x6	1210 TPA
Windbreak	6x10	726 TPA

New Species to CRCD Tree Sales in 2016

Chinese Chestnut *Castanea mollissima*

Extremely resistant to the chestnut blight that decimated the American chestnut, the Chinese chestnut looks very similar. This tree grows well in full sunlight on acidic, loamy soil, and grows approximately 12-24" per year. Shorter than the American variety, the Chinese chestnut can reach a height of 40-60' and produce chestnuts twice the size of the American chestnut! The large yields and size of the nuts has made the Chinese chestnut a popular alternative to the American chestnut in recent years. Nuts are valued by wildlife, especially deer and bear, but can also be used for human consumption. The flowers are also very important for pollinators.



Black Chokeberry *Aronia melanocarpa*

This high-yield, fruit bearing shrub gets to be between 2-7 feet tall at maturity and spreads well on its own. Generally grows well in full to partial sunlight in dry to moist soils and is very cold-hardy (zone 3). In the spring and early summer, white flowers adorn the foliage. Berries can be harvested in the fall when the foliage turns a vibrant red color. The berries of this shrub grow in drupes (clumps) of 5-10 and are a very good source of food for a wide range of wildlife including deer, bear, birds, and small mammals. The berries are also edible by humans and can be made into jams and jellies.



Bearberry or Kinnikinnick *Arcotaphylos uva-ursi*

Used as a ground cover, this short, spreading shrub gets to be 12-18" tall, and usually spreads 3-6' on the ground. Similar to wintergreen, this shrub is very winter hardy (zone 2) and keeps its foliage year-round. White flowers bloom in spring. This ground cover grows well in full sun to partial shade in dry to moist soils, acidic soils. As evidence by its name, bears are very attracted to the fruit and use it as a preferred food source. Other species such as deer, small mammals, and birds also enjoy the berries.



Pussy Willow *Salix discolor*

The pussy willow shrub typically gets to be 6-15 feet in height (but can be cut every 3-5 years to maintain smaller shape). Hardy to zone 4, this shrub grows best in moist soils with full sunlight. This willow is dioecious, meaning that there are male and female plants. Both are required to produce new plants; however, the male plants are the most prized by humans for their fuzzy, gray catkins, which can be used for indoor plant arrangements. The catkins are also prized by wildlife such as birds.



Red Mulberry *Morus rubra*

Red mulberry is a small tree (large shrub) that gets to be between 20 and 35 feet tall. This plant grows best in full to partial sunlight on moist, well drained soils and is hardy to zone 4. This plant is dioecious, meaning it requires male and female plants to produce fruit. The fruit is produced on the female plants and are a reddish to dark purple color. The fruits are prized by humans for its sweet flavor and can be used to make jams, jellies, wines, pies, and more. Wildlife, birds in particular, are very attracted to the fruit as well.



Tree Sale Species Profiles

CONIFERS	Height (ft)	Sun	Soil	Uses
CEDAR Red	30-45	full sun	moist to dry	food for wildlife
CEDAR White	30-50	full sun to full shade	moist to wet	food for wildlife
FIR Douglas	40-70	partial shade	moist, acidic	ornamental
HEMLOCK	70-100	full sun to full shade	moist to wet	thermal cover for wildlife
PINE Jack	40-60	full sun	very sandy soils	cover for wildlife
PINE Red	65-100	full sun	very sandy soils	thermal cover for wildlife, timber production
PINE White	70-100	full sun to partial shade	wide range	ornamental, thermal cover for wildlife
SPRUCE Blue	30-60	full sun to shade	sandy to moist	ornamental
SPRUCE Norway	50-80	full sun to full shade	wide range	ornamental, thermal cover for wildlife
SPRUCE White	50-80	partial shade	sandy to moist	ornamental, thermal cover for wildlife
TAMARACK	40-80	full sun to partial shade	moist to dry	ornamental

HARDWOODS	Height (ft)	Sun	Soil	Uses
American Chestnut				
Birch	40-65	full sun	moist to wet	ornamental, grouse food
Hybrid Poplar	30-50	full sun	wide range	ornamental, windbreaks, food for wildlife
MAPLE Red +	50-70	partial sun to full shade	wide range	timber production, food for wildlife
MAPLE Sugar +	60-100	partial sun to full shade	moist to sandy	ornamental, food for wildlife, timber production
OAK Red +	65-90	full sun to partial shade	wide range	timber production, food for wildlife
OAK White +	70-90	full to partial sun	wide range	timber production, food for wildlife

WILDLIFE SHRUBS	Height (ft)	Sun	Soil	Uses
American Plum +	10-20	full sun	wide range	food for humans and wildlife
Black Chokeberry * +	2-7	full to partial shade	dry to moist	food for wildlife
Butterfly Bush +	5-10	full sun	well drained	pollinator habitat
Bearberry (kinnikinnick)* +	0.5-1	full sun to full shade	dry, moist	ground cover, food for humans and wildlife
Forsythia	10-15	full sun to partial shade	wide range	pollinator habitat, ornamental
Gray Dogwood	3-12	full sun to full shade	wide range	ornamental, food for wildlife
Hazelnut	6-12	partial to full shade	dry to moist	food for wildlife
Highbush Cranberry	3-13	full sun	moist to wet	food for wildlife
Lilac (common) +	12-15	full sun	wide range	cover for wildlife, ornamental
Nanking Cherry +	6-10	full sun	loamy	food for humans and wildlife
Nannyberry +	13-23	partial shade	moist to wet	food for birds and small wildlife
Pussy Willow *	12-20	full sun	moist	food for wildlife
Red Mulberry *	12-20	full sun to full shade	dry, moist	food for humans and wildlife
Red Osier Dogwood	4-6	full to partial sun	moist to wet	food and cover for wildlife
Roselow Crabapple +	8-10	full sun	very sandy	food for wildlife
Serviceberry +	10-20	partial shade	dry to moist	food for wildlife
Sumac +	20-30	full sun	dry to moist	Food for humans and wildlife, ornamental
Trumpet Vine +	12-20	full sun	dry, moist	ornamental, pollinator habitat
Washington Hawthorne +	25-30	full sun	wide range	protection and food for wildlife
Winterberry/Holly	5-10	full sun	moist	food and cover for wildlife
Witch Hazel	15-25	full sun to full shade	wide range	food for game birds and deer

* = NEW species to C-RCD Tree Sales

+ = FIREWISE Species

Crawford-Roscommon Conservation District Spring Tree Sale 2016

Dates:

Friday April 22 Noon-4pm
Saturday April 23 9am-2pm

Location:

Michigan Fire Training Grounds
(Roscommon County Fair site)
290 Ballenger Rd, Roscommon MI

Pre-orders due by March 15th, 2016

CONIFERS

	Size	Quantity							
		5	10	25	50	100	250	500	1000
CEDAR White	6-12"		\$19	\$38	\$64	\$107	\$214		
CEDAR White (T)	8-15"	\$20	\$34	\$67	\$112	\$189			
FIR Douglas	15" avg.		\$7	\$14	\$24	\$40	\$79	\$132	\$220
HEMLOCK	8-15"		\$19	\$38	\$63	\$105	\$210		
HEMLOCK (T)	8-15"	\$24	\$39	\$78	\$131	\$218			
PINE Jack	10-16"		\$7	\$15	\$25	\$50	\$79	\$132	\$220
PINE Red	15" avg.		\$9	\$18	\$29	\$49	\$98	\$164	\$273
PINE white	15" avg.		\$9	\$18	\$29	\$49	\$98	\$164	\$273
SPRUCE Blue	8-14"		\$9	\$18	\$29	\$49	\$98	\$164	\$273
SPRUCE Blue (T)	18-24"	\$15	\$25	\$49	\$82	\$137	\$275	\$458	
SPRUCE Norway	8-14"		\$9	\$18	\$29	\$49	\$98	\$164	\$273
SPRUCE Norway (T)	18-24"	\$15	\$25	\$49	\$82	\$137	\$275	\$458	
SPRUCE White	8-14"		\$9	\$18	\$29	\$49	\$98	\$164	\$273
SPRUCE White (T)	18-24"	\$15	\$25	\$49	\$82	\$137	\$275	\$458	
TAMARACK	12-18"	\$21	\$36	\$71	\$119	\$198			

Total \$

HARDWOODS

	Size	Quantity			
		5	10	25	50
Chinese Chestnut	18-24"	\$20	\$34	\$67	\$112
White Birch	1-2'	\$7	\$11	\$22	\$37
Hybrid Poplar	2-3'	\$10	\$16	\$32	\$54
MAPLE Red	1-2'	\$8	\$14	\$27	\$56
MAPLE Sugar	2-3'	\$29	\$48	\$96	\$160
OAK Red	2+'	\$12	\$20	\$41	\$68
OAK White	2-3'	\$29	\$48	\$96	\$160

Total \$

"Forests are the lungs of our land, purifying the air and giving fresh strength to our people."
 Franklin D. Roosevelt

APPLE (1 of each tree)

Cortland, Gala & Honeycrisp

	3 Trees	9 Trees	15 Trees
	\$45	\$120	\$170

Total \$

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WILDLIFE SHRUBS

	Size	Quantity			
		5	10	25	50
American Plum	18-24"	\$12	\$20	\$40	\$67
Bearberry (Kinnickinnick)	12-18"	\$24	\$39	\$78	\$131
Black Chokeberry	24-36"	\$27	\$45	\$90	\$149
Butterfly Bush	18-24"	\$7	\$12	\$25	\$42
Forsythia	24-36"	\$10	\$16	\$32	\$54
Gray Dogwood	18-24"	\$13	\$21	\$43	\$71
Hazelnut	18-24"	\$17	\$28	\$56	\$94
Highbush Cranberry	24-36"	\$10	\$16	\$32	\$54
Lilac (common)	18-24"	\$18	\$29	\$58	\$97
Nanking Cherry	18-24" +	\$8	\$14	\$27	\$46
Nannyberry	18-24"	\$17	\$28	\$56	\$93
Pussy Willow	12-24"	\$25	\$41	\$83	\$138
Red Mulberry	23-36"	\$29	\$48	\$96	\$160
Red Osier Dogwood	24-36" +	\$7	\$12	\$25	\$42
Roselow Crabapple	18-24"	\$14	\$24	\$48	\$80
Serviceberry	18-24"	\$18	\$29	\$58	\$97
Sumac	18-24"	\$15	\$25	\$49	\$82
Trumpet Vine	24"+	\$8	\$14	\$27	\$46
Washington Hawthorne	18-24"	\$15	\$24	\$48	\$82
Winterberry Holly	18-24"	\$20	\$34	\$67	\$112
Witch Hazel	12-18"	\$18	\$29	\$58	\$97

Total \$ _____

NATIVE WILDFLOWERS

Bulb & Bareroot

Jack-in-the-Pulpit	3 for \$5	10 for \$15	
Lady Slipper	3 for \$18	10 for \$45	
White Trillium	3 for \$9	10 for \$20	

Total \$ _____

FRUIT/VEGETABLES

Quantity

	3	5	10	25
ASPARAGUS 1-yr seedlings			\$6	\$13
BLACK RASPBERRY (cutting)	\$14	\$20	\$34	\$72
RED RASPBERRY (cutting)	\$11	\$16	\$27	\$56
BLUEBERRY 10" - 16"	\$26	\$37	\$64	\$136

Total \$ _____

Page 1 Total \$ _____

Page 2 Total \$ _____

Name	_____
Mailing Address	_____
State/Zip	_____
Email Address	_____
Phone Number	_____

TOTAL \$ _____

Please make checks payable to "CRCD"

Please mail your order to:

**C-RCD
PO Box 156
Roscommon, MI
48653**