

Monroe Conservation District Spring 2020 Conservation Plants Fundraiser Catalog

Nursery Inspection Number NCI 006803



Order Deadline - March 20, 2020

Pickup: Friday, April 17, 9:00 a.m. - 6:00 p.m.

Saturday, April 18, 9:00 a.m. - 11:30 a.m.

Monroe County Fairgrounds, M-50



1137 South Telegraph Road, Monroe, Michigan 48161

Phone: 734.241.8540 Ext 5

www.monroecd.org

It is unlawful for these trees, shrubs, and other plants to be resold with the roots attached, in accordance with the Insect Pest and Plant Disease Act, P.A. 189 of 1931, as amended.”

CONIFERS

Black Spruce *Picea mariana*: 30 to 50" tall, with moderate spread. Narrow, conical spier-like with descending branches. Lower limbs sweep the ground. Twig needles & seeds wildlife food. Prefers full sun in acid soil. Moist, well drained soil to wet. Shallow root system.

Norway Spruce *Picea abies*: 60 to 90' tall with pyramid-shaped crown. Stiff short needles. Fast growing in well drained to somewhat poorly drained clay to loam soil. Full sun, can tolerate some shade.

White Cedar *Thuja occidentalis*: Moderately fast growing to 50' tall with 10' spread full sun, average well drained soil. Takes well to pruning.

White Pine *Pinus strobes*: 75 to 100' tall in well drained sandy to clay soils. Less tolerant of shade with age. Long needles, fast growth rate.

White Spruce *Picea glauca*: 75 to 100' tall. A dense pyramidal tree widely used in hedges & windbreaks. Fast growing in well drained to somewhat poorly drained clay to loam soil. Full sun, can tolerate some shade.

SHRUBS

American Plum *Prunus americana*: A deciduous large shrub or small tree with a broad crown, reaching heights up to 15'. Fruits are red to yellow, almost globular edible plums about 1 inch in diameter, flowers are white. The plant's numerous stems are grayish & become scaly with age; its branches are more or less spiny with sharp-tipped twigs. Shallow roots spread, widely, & sprout readily. Winter-hardy, but intolerant of shade & drought. The thorny, suckering growth highly important for wildlife cover & food. Preferred browse for whitetail deer.

Butterfly Bush *Buddleia davidii*: 4 to 10' high with equal spread in well drained average soils, full sun, to partial shade. Light purple long spike flowers. Should be cut back in late fall or early spring. Enjoyed by butterflies & hummingbirds. Deadheading will encourage new flowers.

Cranberry, Highbush *Viburnum trilobum*: 8 to 12' tall with equal spread. Medium to dark green leaves changing to yellow to red-purple in fall. Flowers mid to late May. Fruits Sept. - Feb. Use berries for preserves & jellies. Excellent plant for screening & informal hedging. Medium growth in well drained, moist soil, sun or partial shade. A good winter fruit & winter cover plant for wildlife.

Elderberry, American *Sambucus Canadensis*: Fast growing shrub on moist, well drained soil in full sun to partial shade. 5 to 15'. Small white dense flat-topped flowers. Purple-black fruit in August. Makes excellent wine & jam. Excellent food for wildlife. Kept tidy by pruning.

Hazelnut *Corylus americana*: Multi-stemmed shrub/small tree 10-15' spread approximately 2/3 the height. Moderate to fast growth in well drained, loamy silt; full sun or light shade; prune anytime; tends to sucker from the roots & must often be thinned out to maintain a respectable appearance.

Lilac, Common *Syringa vulgaris*: 8 to 15' high with 6 to 12' spread. Medium to fast growth rate in most well drained, silty clay or loamy soils. Drought resistant, intolerant of wet soils. Full sun.

Ninebark *Physocarpus opulifolius*: 5 to 9' with 6 to 10' spread. Upright spreading with stiffly re-curved branches. Well drained to moist sites; sun to partial shade. Flowers are white or pinkish. Provides good cover for wildlife and informal hedging. Medium to fast growth.

Serviceberry, Saskatoon *Amelanchier arboea*: Multistemmed medium sized shrub of many small branches. 5 to 18 ft in height with a variable spread. Fruits that ripen in July are juicy & edible, relished by songbirds. It tolerates harsh climates & alkaline soils. Full sun or partial shade, moist to wet soils.

DECIDUOUS

Black Cherry *Prunus serotina*: Medium sized tree, native to eastern North America. Cherries turn black when ripe. Fast growing in deep, moist, fertile soils but can be found on dry gravelly or sandy soils. Shade tolerant. Two trees needed to fruit. Excellent source of wildlife food.

Hybrid Poplar *Populus*: 40 to 90' high narrow crown with silvery green leaves. Rapid growth in well drained to moderately well drained, loamy sand to clay loam soil. Will not tolerate shade. Plant at least 100' from drain tiles. Short lived.

Paper Birch (Canoe) *Betula papyrifera*: 50' to 70' with equal spread. Well drained soils, acid, moist, sandy or silty loams. Full sun. Handsome tree for bark & fall color. Medium to fast growth rate. Dull green leaves of summer change to yellow in the fall. This tree contributes to the magnificent fall color in our northern forests.

Paw Paw *Asimina trilobal*: 10 to 20' tall with equal spread. Multi-stemmed shrub or small tree with short trunk & spreading branches forming a dense pyramidal or round topped head. Tends to sucker & forms loose colonies in the wild. Medium growth rate in moist, fertile, deep, slightly acid soils; does well in full sun, will tolerate shade but will alter the shape of the tree.

Pin Oak *Quercus palustris*: Pyramid in shape, 60 to 70' high with 25 to 40' spread. A faster growing oak with a very distinctive growth habit. Natural habitat is on wet clay flats where water may stand for several weeks. Full sun. Widely used native oak for landscaping.

Red Oak *Quercus rubra*: 60 to 75' with equal spread. Fast growing in fertile moist well drained acidic soil. Full sun, partial shade. Shallow roots are sensitive to changes in grade.

Sugar Maple *Acer saccharum*: 60 to 75' in well-drained, moderately moist fertile soil. Slow growing, tolerates shade. This shade trees dark foliage turns shades of red & yellow in fall. Root system is shallow & spreading

Tamarack/American Larch *Larix laricina*: A deciduous conifer with delicate light bluish green needles that turn bright golden in the fall prior to falling off. 40 to 80' tall with 15 to 30' spread. Slender trunk, horizontal branches & drooping branchlets. Slow-medium growth rate. Intolerant of shade, best growth in moist, well-drained, acid soils.

White Flowering Dogwood *Cornus florida*: **Larger stock only.** White blossoms in May / early June, red berries in the fall. Mature height 10 to 12' Slow to medium growth, preferring shade & well drained soils. Used for ornamental, understory & wildlife.

White Oak *Quercus alba*: 60 to 80' tall, equal or greater spread. Slow to medium growth. Full sun, deep, moist, well drained soils. Uses as a shade tree for a large area.

ASPARAGUS

Jersey Knight: Extremely vigorous, has large, succulent spears. The flavor is excellent, and the plant is resistant to rust, crown rot and fusarium. It also does better in heavy, clay-like soils.

Spring 2020 Conservation Plants Fundraiser Catalog

Monroe Conservation District

1137 South Telegraph Road, Monroe, Michigan 48161

Phone: (734) 241-8540 Ext. 5

Web site: www.monroecd.org

Order Deadline: March 20, 2020

CONIFERS			Size	5 trees	10 trees	25 trees	50 trees	100 trees	Quantity	Cost
Black Spruce	2 yr		10-18"	\$10.00	\$14.00	\$18.00	\$26.00	\$45.00		
Norway Spruce	2 yr		12-18"	\$10.00	\$14.00	\$18.00	\$26.00	\$45.00		
White Cedar	native 3 yr		12-18"	\$12.00	\$16.00	\$30.00	X	X		
White Pine	native 3 yr		8-12"	\$10.00	\$14.00	\$20.00	\$38.00	\$72.00		
White Spruce	2 yr		10-18"	\$10.00	\$14.00	\$18.00	\$26.00	\$45.00		

SHRUBS			X INDICATES NO FURTHER PRICE BREAK							
American Plum	native		12-18"	\$18.00	\$22.00	\$32.00	\$48.00	X		
Butterfly Bush			12-18"	\$16.00	\$20.00	\$30.00	\$40.00	\$60.00		
Cranberry, Highbush	native		12-18"	\$16.00	\$20.00	\$30.00	\$45.00	\$65.00		
Elderberry, American			12-18"	\$18.00	\$22.00	\$32.00	\$48.00	X		
Hazelnut			12-18"	\$18.00	\$22.00	\$32.00	\$48.00	X		
Lilac			12-18"	\$18.00	\$22.00	\$32.00	X	X		
Ninebark			18-24"	\$18.00	\$22.00	\$32.00	X	X		
Serviceberry, Saskatoon			12-18"	\$16.00	\$20.00	\$30.00	\$40.00	X		

DECIDUOUS (Hardwoods)										
Black Cherry			12-18"	\$16.00	\$20.00	\$30.00	\$48.00	X		
Hybrid Poplar w/roots			18-24"	\$16.00	\$20.00	\$30.00	\$50.00	X		
Paper Birch (Canoe)			18-24"	\$18.00	\$22.00	\$32.00	X	X		
Paw Paw	native		12-18"	\$18.00	\$22.00	\$35.00	X	X		
Pin Oak	native		12-18"	\$16.00	\$20.00	\$30.00	\$42.00	\$68.00		
Red Oak	native		12-18"	\$16.00	\$20.00	\$30.00	\$45.00	\$70.00		
Sugar Maple	native		12-18"	\$16.00	\$20.00	\$30.00	\$50.00	X		
Tamarack/American Larch	native		6-12"	\$14.00	\$18.00	\$26.00	\$45.00	X		
White Oak	native		12-18"	\$16.00	\$20.00	\$30.00	\$45.00	X		

LARGER STOCK			
	Size	Quantity	Cost
White Flowering Dogwood	24-36"	x \$5.00	
TRANSPLANTS			
	Size	Quantity	Cost
Norway Spruce	4 yr 18-24"	x \$4.00	
White Cedar	native 4 yr 12-18"	x \$4.50	
White Pine	native 4 yr 24-36"	x \$5.50	
White Spruce	4 yr 18-24"	x \$4.00	

BERRY PLANTS			
	Price	Quantity	Cost
Blackberry Chester - summer (thornless)	5/23.50 10/45.00		
Purple Raspberry , Royalty Purple - late season	5/\$23.50 10/\$45.00		
Red Raspberry , Caroline ever bearing	5/\$16.00 10/\$30.00		
Red Raspberry , Prelude -early season bearing	5/\$16.00 10/\$30.00		
Asparagus , Jersey Knight	25/\$30.00 50/\$45.00		

FRUIT TREES AND STRAWBERRIES		Descriptions on pages 5	Quantity	Cost
Apple , HoneyCrisp	needs pollinator	\$20.00		
Apple , Liberty	needs pollinator	\$20.00		
Apple , McIntosh	needs pollinator	\$20.00		
Cherry , Bing	SWEET needs pollinator	\$22.00		
Cherry , Lapins	SWEET self-pollinator	\$22.00		
Cherry , Montmorency	TART self-pollinating	\$22.00		
Cherry , Rainier	SWEET needs pollinator	\$22.00		
Cherry , Stella	SWEET self-pollinating	\$22.00		
Peach , Gloria	self-pollinating	\$20.00		
Peach , Redhaven	self-pollinating	\$20.00		
Pear , Bartlett	needs pollinator	\$20.00		
Pear , Golden Russet Bosc	needs pollinator	\$20.00		
Strawberry , Annapolis	early season	10/\$10.00		
Strawberry , Cabot	mid-late season	10/\$10.00		
Strawberry Honeoye	early-mid season	10/\$10.00		

** TREE PACKETS, SEE NEXT PAGE**

See website for additional information on pollinators

Carry totals to page 6

Photos available at
 Www.monroecd.org

NOTE: Any discrepancies in order must be reported within 48 hours

** TREE PACKETS **	Descriptions on pages 2 & 5	Price	Quantity	Cost
Nut Packet 12-18"	2 Black Walnut, 3 Butternut, 3 Hazelnut, 2 Northern pecan	\$25.00		
Pollinator Packet 12-18"	2 each: American Plum, Chokecherry, Meadowsweet, Pasture Rose, Red Osier Dogwood	\$23.00		
Wildlife Packet 6-12"	2 each: American Plum, Hazelnut, Ninebark, Red Osier Dogwood, Swamp White Oak	\$18.00		

HYBRID DAYLILIES LOCALLY GROWN \$5.00 EACH

Name	Quantity	Cost
Antique Linen - 7" blooms, 28" tall, cream w/ magenta halo. Blooms mid- season		
Banned in Boston - 4 3/4" blooms, 26" tall, pink. Blooms mid- season		
Cousin Jean - 3 3/4 " blooms, 23" tall, purple w/ yellow throat. Blooms early season, reblooms, fragrant		
Golden Prize - 7" blooms, 26" tall, bright yellow. Blooms late season		
Lady Neva - 9" blooms, 42" tall, yellow with pinkish halo. Blooms early, mid- season. Semi evergreen, spider		
Save the Best for Last - 5" blooms, 36" tall, red with yellow throat. Blooms very late season.		
Tusawilla Tigress - 7 1/4 blooms, 25" tall, orange with yellow throat. Blooms early, mid-season, reblooms		
White Temptation - 5" blooms, 32" tall, white, pale yellow throat. Blooms mid-season, semi-evergreen		

HOSTAS LOCALLY GROWN \$5.25 EACH plants are in 4 1/2 inch pots

Name	Quantity	Cost
Big Daddy - 25" h x 66" w. Blue/green fading to dark green, corrugated leaves		
Francee - 20" h x 50" w. Thick heart-shaped rich dark green leaves w/narrow white margins.		
Golden Tiara - 16"h x 39" w. Green w/ chartreuse to gold margins		
Guardian Angel - 24" h x 56" w. Ruffled blue/green leaves w/ ivory center. Slug resistant		
Sunset Grooves - 12" h x 28" w. Round puckered thick yellow leaves w/ dark green margin, somewhat cupped		
Volcano Island - 14"h x 30" w. Thick wavy leaves, green margins w/ yellow centers, red petioles		
Wide Brim -16"h x 24" w. Dark green corrugated leaves w/ wide ivory margin		
Ben Vernooij - 13" tall x 25" w. Thick blue leaves w/ very wide feathered creamy-yellow margin		

THIS AND THAT

Item	Detailed descriptions on page 7	Quantity	Cost
Bat house	\$50.00 single chamber Bat houses built to Organization of Bat Conservation specifications		
Bat house	\$60.00 triple chamber		
Fertilizer tablets	\$0.15 each - use 1 tablet per seedling or transplant		
Flags	\$2.00 for 10 - \$5.00 for 25 - \$9.00 for 50 - \$16.00 for 100		
"No Trespassing" signs	\$2.50 each - 7 1/2" x 11" heavy aluminum, black print on yellow		
Plant markers	\$0.60 each		
Plantskydd animal repellent	\$22.00 1 quart liquid spray bottle - \$25.00 1 pound soluble powder - \$40.00 1.32 gallon Liquid		
Rain barrel	\$75.00 55 gallon barrel		
Root dip	\$2.00 for 2 oz. bag page 6 for details		
Tree Bark Protectors	\$25.00 for 5 - rigid plastic mesh protects tree bark from animal damage		
Tree Guards	\$8.00 for 5 - tough vinyl wrap		
"Trees Planted" signs	\$2.50 each - 7 1/2" x 11" heavy aluminum, black print on yellow		
Tree shelters	\$2.85 each		
Weed fabric squares	\$17.00 for 10 - 3x3' squares with anchoring pins		

Carry totals to page 6

Apple, HoneyCrisp: Fruit is mostly orange-red with yellow background. Crisp, juicy, sweet-tart has a rich flavor. Size averages 3" plus. Outstanding winter hardiness. Ripens mid-September. *EMLA 111 rootstock.*

Apple, Liberty: Tree is vigorous, spreading & an annual bearer of medium sized yellow-fleshed dessert apples. Resistant to apple scab, cedar apple rust, fire blight & mildew. Good choice for the home garden-er. *BUD 118 rootstock.*

Apple, McIntosh: A vigorous grower & a precocious bearer. Fruit is vibrant-red, thin, peels easily with tender flesh & a sprightly sweet-tart taste. Wonderful apple for fresh-eating, sauces, & cider. Ripens late September. *EMLA 7 rootstock.*

SWEET Cherries

Bing: Very large, almost black fruit when fully ripe. Excellent quality, firm, juicy & sweet. Lapins & Rainier may be used as pollinator, but not Ulster. Matures late June. *MAZZARD rootstock.*

Lapins: Self pollinating fruit is exceptionally firm & split resistance. Matures early July. An excellent pollinator. *MAZZARD rootstock.*

Rainier: Attractive yellow cherry with a red blush. Good fruit size & superior flavor compared to other varieties. Lapins, Bing & Ulster may be used as pollinator. *MAZZARD rootstock.*

Stella: Sweet, dark red cherry with firm red flesh. Good for eating out of hand & canning. Self-pollinating so only one tree is needed. Ripens in mid-June. Hardy, needs good drainage, very vigorous. Prefers dry to moist to loam to sand. *MAZZARD rootstock.*

TART Cherry Montmorency: considered the best tart cherry for the market. The fruit is bright red & medium in size with a clear, juicy flesh. Self-fertile, winter hardy & very productive. Self pollinating. *MAHALEB.*

Peach, Gloria: An outstanding new selection for mid-season. A large highly colored, yellow-fleshed freestone peach ripening in August. The fruit is very firm, low acid, with high sugar content and excellent dessert quality. The tree is very productive & resistant to bacterial spot. *Seed:*

Peach, Red Haven: One of the easiest & tastiest peaches to grow. Hardy & very productive. Large, juicy & sweet freestone fruit. Good for pies, canning, cooking or baking. Ripens in June to July. Self pollinating. *Seed.* Height: 12-15 feet, moderate to rapid growth rate. Loam, sand, full sun.

Pear, Bartlett: A favorite dessert & canning pear. The large fruit has a smooth, attractive appearance that is highlighted by its golden yellow color. This variety bears young, is productive, strong, & has a tendency for compact, upright growth. For best production use pollinator. Bartlett will pollinate all other pears except Seckel. *OHXF 97 rootstock.*

Pear, Golden Russet Bosc: The fruit on this vigorous tree type is long & uniform in shape. Flavor is similar to a traditional Bosc but harvests earlier. Use Bartlett as a pollinator. *OHXF 87.*

ROOTSTOCKS

EMLA 111 - Semi-dwarf tree, adaptable to a variety of soil conditions tolerating drought conditions. **EMLA 7** - About half the size of a standard tree with exceptional winter hardiness & fairly well anchored. Performs best on deep, fertile, well-drained soils that retain constant moisture.

OHXF 87 - Semi-dwarf which grows a tree 65 percent the size of standard. Excellent producer, resistant to fire blight & pear decline. **OHXF 97** Superior root choice for standard size pear trees. More precocious than seedling rootstocks. Resistant to fire blight & pear decline. Hardy & provides good anchoring & high yield efficiency. **MAZZARD** - Good choice for wet & heavy soils. Produces what is considered a "full size tree" 18 to 20 feet tall. **MAHALEB** - Performs well in deep soils with good drainage. Very cold hardy & precocious. Deep rooted. Produces a tree roughly 70% the size of Mazzard. Not recommended for heavy soils or areas with poor drainage or high water tables.

Royalty Purple Purple raspberry: very productive bearing large high quality fruit. Can be picked slightly immature as a firm red berry. Good for fresh eating / jams & jellies. Multiple insect resistances.

Caroline: Most productive ever bearing **red raspberry** Caroline has a larger berry than Heritage & is more productive, with a rich, full & intense flavor. It is a very vigorous variety, with more tolerance for root rot. The farther south you grow it, the earlier it will ripen. Will not tolerate high heat or drought. **Prelude: red raspberry;** Earliest ripening in mid-June. Also fall bearing, but produces the biggest portion in spring. Winter hardy & vigorous. Berries are round, cohesive, with very good flavor.

Soil pH level of 6.5 - 6.8 is recommend for all raspberries.

BLACKBERRY, Chester: Considered one of the more winter-hardy and productive thornless varieties available. Large high quality fruit that ripens in early-to mid august. Fruit has good flavor when fully ripe.

STRAWBERRIES

Annapolis: light colored, early season, high quality berries maintain their size through several pickings. Vigorous and winter hardy. A first rate choice for home gardens. **Cabot:** late-mid season recommended for home gardeners & direct marketing growers. Cabot is known for its huge berries, excellent flavor, winter hardiness & disease resistance. It is by far the best tasting big berry ever! Plants are vigorous but may not run freely, indicating closer spacing may be required.

Honeoye: Early-mid season, recommended for home gardeners. The large berries are easy to pick & produce high yields over a long fruiting season.

NATIVE TREE PACKETS

Nut Packet : 2 Black Walnut, 3 Butternut, 3 Hazelnut, 2 Northern Pecan - Black Walnut: 70 to 90' tall with an open crown, prefers well-drained soils, loam to clay loam, full sun, shade tolerant. Produces nuts in Sept/Oct. Fast growing, Valuable for timber. (contains the phytotoxin juglone which can cause stunting, death or wilting in many plants when they are planted under or nearby. (Not all plants are affected).

Butternut: A tree with a short trunk & broad open crown, 50 to 70' at maturity. Moderate to fast growth rate. Most soils, full sun, intolerant of shade. Produces nuts late August - October. **Hazelnut:** description on page 2. **Northern Pecan:** 70 to 100' high with a 40 to 75' spread. Medium growth rate, increasing 13-24" per year. Prefers full sun & will do well in most soils. Begins to bear nuts in 6 to 10 years after planting. Needs to be planted in multiples for pollination.

Pollinator Packet two of each variety:

American Plum: description on page 2. **Choke Cherry:** 20 to 30' high with 18 to 25' spread. A small suckering tree or large shrub with crooked branches and slender twigs forming an oval rounded crown. White flowers appear late April-May. Fruit is red to dark purple, which can be used for jams, jellies and wine. **Meadowsweet:** An upright shrub 4' high with 1 to 3' spread. Full to partial sun in wet to medium wet soil moisture. White flowers June - August, deadheading promotes longer bloom time.

Flowers attract butterflies & look similar to Butterfly bush. **Pasture Rose:** 1 to 3' tall with a 5' spread. Best grown in average, medium to wet, well-drained soil in full sun. Spreads by suckers to form colonies or thickets in the wild. Showy fragrant pink flowers appear in May, rosehips in late summer. Attracts birds & butterflies. **Red Osier Dogwood:** 10 to 12' high shrub with equal spread. White flowers in June, whitish fruit August - Sept. This dogwood is common throughout Michigan in open wetter places; shade intolerant easily transplanted. Valuable as a landscape plant.

Wildlife Packet two of each variety

American Plum, Hazelnut, Ninebark, : description on page 2

Red Osier Dogwood: see above

Swamp White Oak: 50 to 60' high with equal or greater spread. Forms a broad, open round-topped crown on a short trunk. Found in low lying and more or less swampy situations such as bottom lands and banks of streams. Requires acid soil. Wood is used for furniture, flooring etc. The acorn is relished by birds and mammals.

A \$5.00 service charge will be added for orders picked up later than designated times or orders may be considered cancelled and money forfeited.

CHECKS GLADLY ACCEPTED - should your check be returned for insufficient funds, you expressly authorize your account to be electronically debited or bank drafted for the amount of the check plus any applicable fees. The use of a check is your acknowledgment and acceptance of this policy and its terms and conditions.

A deposit of at least 25% must accompany this order
Make checks payable to Monroe Conservation District
Credit cards are **NOT** accepted

Total Page 3 _____

Total Page 4 _____

Subtotal _____

6% Sales Tax _____

Donation To District _____

Grand Total _____

Deposit _____

Balance Due _____

As a reminder, a postcard will be mailed two weeks prior to pickup. Please bring postcard to pickup.
April 17, 9:00 am - 6:00 pm, April 18, 9:00 am - 11:30

Refunds less than \$1.00 will be considered a donation to the District

Name _____ Daytime Phone _____

Address _____ City _____ State _____ Zip _____

E-Mail address if active _____

Drivers license number if paying by check _____

◇ Check here if there has been an address change

Ordering Deadline - March 20, 2020

- ❖ Any discrepancies in order must be reported within 48 hours.
- ❖ There is no guarantee of survival, and District liability for trees ends after pickup.
- ❖ The District reserves the right to cancel orders and refund payment due to reasons beyond our control.
 - ❖ Orders will be filled on a first-come, first-served basis.

For Office Use Only

Receipt # _____	Date Received _____	Check # _____	Cash _____	Amount _____
-----------------	---------------------	---------------	------------	--------------

THIS AND THAT DESCRIPTIONS

Photos may be seen at www.MonroeCD.org

- Bat house - Single chamber holds approximately 100 bats, triple chamber approximately 300 bats. Weather resistant cedar.
- Fertilizer tablets - 10-gram, nutrient rich starter tablets supply all the nitrogen, phosphorus and potash needed by seedlings for 2 years. More nutrients released during growing season when bacterial activity is greatest. Use 1 tablet per seedling or transplant.
- Flags - 4x5" fluorescent orange plastic on a 36" wire.
- Plant markers - Galvanized steel wire 10" tall with zinc labels. Labeling area 1" x 2 5/8" is firmly attached to the wires.
- Plantskydd repellent - This 100% natural repellent lasts 6 month in winter, 3-4 months in summer. Animals associate the odor with predator activity. A soluble powder or ready to use liquid. One-quart liquid spray protects 80 to 100 one foot high plants; five-quart liquid jug treats 400 to 600 one foot high plants; 1 lb. soluble powder treats 300 to 400 one foot high plants, applied as a spray with a pressurized hand-held or backpack type sprayer. Use for deer or rabbits.
- Rain barrels - to harvest water from downspouts for outdoor watering.
- Root dip - (TerraSorb) A powder developed specifically for moisture retention. When mixed with water creates a gel that clings to a plant's roots. A 2-ounce bag will treat about 2,000 seedlings; fewer transplants or plants with larger root masses.
- Tree Bark Protectors - Deer, squirrels, rabbits and woodchucks cannot bite or tub tree bark through this rigid plastic mesh. Trunks are shielded by open mesh, which prevents moisture and mildew build up. Also, the protectors won't harbor insects and animals and won't inhibit growth. Flexible and easy to install. Stakes NOT included.
- Tree Guards - Tough vinyl built for durability. Protect young trees from winter rodents and sunscald. Remove and reinstall annually to avoid girdling 1-1/2 inch diameter.
- Tree shelters - Three straight wires (legs) push into the ground for stability, center over the seedling, embedding the edge into the soil.
- Weed fabric squares - A porous polypropylene fabric allows air, water & nutrients to pass through while controlling weed growth. Five staples are included to anchor mat to soil.

FERTILIZING AND WATERING

During the first year, the seedlings should not be fertilized with standard fertilizer because it can dehydrate the plants and will fertilize the weeds. However a slow-release type of fertilizer can be beneficial, as it will release nutrients slowly over time, thus eliminating the concern of "fertilizer burn". Slow-release fertilizer, such as that found in the fertilizer tablets sold by the district, are most beneficial on sites with a low natural soil nutrients, such as coarse sandy soils. A soil test is the best way to determine if fertilizing is required. During the second and third year you can use 2 oz. (1/4 cup) of 12-12-12 fertilizer per tree; if you have weeds under control. The fertilizer pellets should be spread evenly around the plant on the outside of the drip line, with no direct contact on the plant. If no rain falls and water is available, the trees can be watered once a week with one inch of water. In drier soils, it may be beneficial to water more often, and in moist soils watering should be less frequent. Discontinue watering hardwoods in late August to encourage hardening off for winter.

PLANTING INSTRUCTIONS

Site preparation and good weed control is a must. Kill or remove all existing vegetation prior to planting. Plant trees as soon as possible after pick-up. Plant one tree at a time, keeping roots covered so they do not dry out. Dig a hole using a planting bar, shovel or spade wide enough to permit tree roots to spread out in a natural uncurled position. Roots can be pruned to 8"-12", depending on size of trees, to accommodate this. Firmly pack soil around roots to eliminate air pockets. Small seedlings can also be planted in a nursery bed, 12" apart, until they increase in size and can be transplanted. Stay 20' away from primary power and property lines.

GROWTH RATE

- Slow growing: Less than 1 foot per year
- Moderately slow: 1 to 2 feet per year
- Moderately fast: 2 to 3 feet per year
- Fast: Greater than 3 feet per year

LONGEVITY

- Short lived: less than 100 years
- Moderately short lived: 100 to 150 years
- Moderately long lived: 150 to 250 years
- Long lived: over 250 years

TREE PLANTING SPACING				
<i>PLANTING PURPOSE</i>	<i>CONIFERS</i>		<i>DECIDUOUS</i>	
	Spacing	Trees per acre	Spacing	Trees per acre
REFORESTATION: Good Management (thinning & weed control)	8' x 10'	545	12' x 12'	303
No Management Planned (Let trees grow to maturity)	10 x 10	435	12' x 12'	303
EROSION CONTROL:	5' x 5' - 7' x 7'	1,742-889		
WINDBREAKS: <u>3 rows recommended:</u>	<i>CONIFERS</i>		<i>DECIDUOUS</i>	
2 rows of conifers	8' - 10' between trees		10' - 12' between trees	
1 row of shrubs	10' - 12' between rows		12' - 15' between rows	
NUT TREES:			Spacing	Trees per acre
REFORESTATION			10' x 10'	435
NUT PRODUCTION			25' x 25'	70
when crowns touch, thin to:			50' x 50'	18
NOTE: Plant individual trees no more than 200 feet from each other to ensure cross-pollination for nut production.				

Monroe Conservation District
1137 South Telegraph Road
Monroe, Michigan 48161

Or Current Resident

Monroe Conservation District - Spring 2020 Conservation Plants Fundraiser Catalog (734) 241-8540 ext. 5

WELL WATER TESTING:

The Monroe Conservation District will screen drinking water well samples for nitrate/nitrite during tree pickup hours.

The screening is sponsored by the Monroe Conservation District and the Michigan Agriculture Environmental Assurance Program (MAEAP). There is no fee to participants for this service. The screening is open to everyone who uses a personal well for drinking water. Please do *not* bring samples from public water supplies or non-drinking water sources. Only drinking water well samples will be tested. You do not have to use a special bottle for this screening. Any small clean glass or plastic jar will work—one ounce of water is enough. Please triple rinse jar and lid in the water to be sampled just prior to collecting sample. No used water bottles or cups please.

SHOP TALK

Saturday February 22, 2020, 8:30 am - noon

Ida Township Hall, 3014 Lewis Avenue, Ida

Shop Talk will focus on precision ag strategies and explore how Variable Rate Technology and yield monitoring can help producers fine tune nutrient management practices to meet crop needs while saving money. Ida Co-Op and MSU Extension will present. Explore cost-share opportunities available locally to offset input costs when making enhancements to your operation. Space is limited, please register by February 14th. by calling 734.241.8540 Ext 5 or email: Brittany.Santure @macd.org.

TREE CARE WORKSHOP

Saturday, March 7, 2020, 9:00 am - 12:30 pm

Prince of Peace Church meeting room. 1920 Lewis Avenue, Ida

Topics to include: * Species, site selection and caring for seedling and transplants * Fruit tree pruning and diseases * Harmful pests

RSVP by February 28, 2020 by calling 734.241.8540 Ext 5 or email:

Catherine.Acerboni@mi.nacdnet.net . Registration fee \$10.00

Light refreshments will be served.

Thank You For Your Order!

District tree sales are the major source of funding for the conservation projects in our county.

We want to take this opportunity to thank you for supporting our programs and improving the environment by planting trees.

Donations are accepted, appreciated, and tax-deductible.