

LAPEER CONSERVATION DISTRICT

1739 N. Saginaw Street
Lapeer, MI 48446

Phone: 810-664-0895 ext. 3
Fax: 810-664-8254

Web site: www.lapeercd.org



Non-Profit
U. S.
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Permit #52
Lapeer, MI 48446

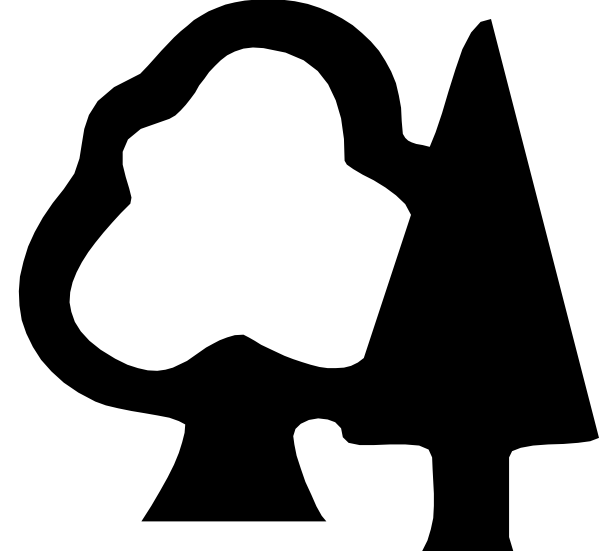
All programs and services of the Conservation District are offered on a nondiscriminatory basis without regard to race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation and marital status.



**Spring is
for Planting**

LAPEER CONSERVATION DISTRICT

Gateway to Natural Resource Management



SPRING 2008

Featured in our catalog:

- *Tree Sale Guidelines*
- *Conifer, deciduous and wildlife shrub seedlings*
- *Fruit trees, native grass & wildflower seed*
- *Tree planting accessories*
- *Books*
- *Equipment for rent*

Ordering Information

Order Early!

Tree orders will be taken until our inventory is depleted. Pine and Spruce are usually in good supply, but hardwoods and shrubs are more limited. An early order will insure that you will get the trees that you need for spring planting.

If ordering after April 1st, you may want to call our office at (810) 664-0895, extension 3, to check on the availability of the trees before sending your order.

SEEDLINGS ARE BARE ROOT STOCK! Most of our seedlings come as bare-root stock. This means they are very perishable. Care should be taken to make sure the roots do not dry out before and during planting. *Orders not picked up will be held for 3 business days unless we hear from you and other arrangements have been made.*

Lapeer Conservation District cannot guarantee planting stock survival to our customers.

According to Public Act 189 of 1931, trees purchased from Conservation Districts may not be sold with roots attached. *(Trees may be cut and sold for Christmas trees.)*



TREE PICK UP DATES

April 10, 11 & 12
at
Mutch's Hidden Pines Farm
303 W. Newark Road, Lapeer

You will receive a postcard reminder which will include the times.

Our Mission Is Improving Wildlife Habitat
JOIN THE TEAM.

Annual Banquet

March 1, 2008

Lapeer County Center Building
425 County Center Street, Lapeer
Registration 5:00 p.m. Dinner 6:00 p.m.

Door Prizes - Raffles - Live Auction - Silent Auction

Wild Game Dinner prepared by Dixie Dave Minar

For ticket information:

Dave: 810-664-9881 (Days Only) or aspclapeer1@charterinternet.com
Nate: 989-655-0242 (Days) 989-761-8002 (Night) or nrhager@avci.net



Free Pruning Workshop

Date: Saturday, April 5, 2008

Time: 10 a.m. - 12 noon

Location: McCallum's Orchard 5697 Harris Road, Jeddo

Never picked up a set of pruning shears? Want to watch the experts prune? Join us at McCallum's Orchard for a morning of tree pruning.
Contact the St. Clair Conservation District to register for this workshop:
(810) 984-3001 ext. 5

Other Helpful Items

Fertilizer Tablets

Compressed tablets that last for two years after planting. 20-10-5 plus minors. Slow release prevents tender seedling roots from being burned. Use one tablet per seedling.
Price: 10 cents each

Tree Shelters

Opaque, plastic tubes act as mini-greenhouses to encourage growth on hardwoods and protect them from deer browse.
Price: \$2.60 each

Permatags

Handy aluminum tags (7/8" x 3 1/2") that you can write on with a ball point pen. By tagging, you will always remember the species or date planted. Also great for marking other garden plants such as perennials.
Price: 10 for 75 cents

Plantskydd

Deer and rabbit repellent that repels by odor. Organic, environmentally friendly. Lasts up to 6 months.
Price:
\$14.95 for 1lb shaker can of granules (covers app. 600 sq. ft)

New!

\$22 for 1 qt. spray bottle
(treats 100 plants 1 ft. high)

\$25 for 1 lb soluble powder
(treats 200-300 plants 1 ft high)

\$40 for 2 lb. soluble powder
(treats 400-600 plants 1 ft. high)

\$55 for 5 qt. pre-mixed formula
(treats 400-600 plants 1 ft high)

Tree Collars

Protect seedlings against grass and other competing vegetation without chemicals! More light, water and nutrients to your seedling. Made from recycled paper. Biodegrades in about 3-4 years.
Price: \$2.00 each

Tree Marking Flags

We have bright orange tree marking flags available for marking rows and protecting your seedlings from the dreaded "lawn mower disease."
Price: 10 cents each

"Trees Planted" Signs

Constructed of heavy grade aluminum, the signs will last for years. Each sign measures 7 1/2 x 11 inches and is brightly painted for high visibility.
Price: \$1.75 each

"Warning Deep Water" Signs

Durable 12 x9 inch aluminum signs
Price: \$4.00 each

Ecto Root Dip

This moisture retention gel also provides your seedlings with biostimulants, beneficial fungi and bacteria for growth, as well as sea kelp and yucca plant extracts for root development. One packet will treat 500 seedlings. Good for other plants in your garden, such as tomato plants.
Price: \$3.25 per packet

District T-Shirts

"Practice Conservation for Every Generation" with award winning poster design on royal blue heavy-weight t-shirts. (Check www.lapeercd.org to view t-shirt.) Specify size: Youth sizes Small, Medium, and Large; Adult sizes Small, Medium, Large, and Extra Large.
Price: \$10.00 each

New!

Hand Planters for Rent

Similar to a spade but designed especially for planting seedlings. Works well for other garden chores like planting bulbs. We charge \$30 when the planter is picked up and when it is returned, you get a \$25 refund. *(No refunds on the \$5.00 rental fee.)*

Mechanical Tree Planters:

Require a tractor with a three-point hitch. Rental rates are \$50 per thousand trees or \$100 a day, *whichever is greater.* You must reserve your planting date ahead of time. Call our office for more details. (810) 664-3941, ext. 3

No-till Drill for Rent

Thanks to the combined efforts of the Department of Natural Resources, Ducks Unlimited, and Pheasants Forever, our District has a 6-foot Truax no-till grass seeder for rent. Three seed hoppers accommodate the fluffy seed of native grasses, small wildflowers, and regular grain. A 40-horsepower (or larger) tractor with hydraulics is required to operate the drill. Call our office for details. (810) 664-3941, ext. 3

Books for Sale



Landscaping for Wildlife

This 150 page, spiral-bound book offers easy-to-follow, affordable landscape plans specifically geared for the Great Lakes climate. It gives specific designs for butterfly and hummingbird gardens. There is information on how to attract everything from songbirds and waterfowl to larger game animals and how to create the proper habitat for each species. Price: \$15

Woodworking for Wildlife

112 page, spiral book gives plans for building homes for birds and mammals. It includes nest shelves, loafing platforms and nest boxes for many kinds of wildlife...from bluebirds to turtles. Price: \$15

Michigan Wildflowers by Harry C. Lund

This informative book features 278 wildflowers found in meadows, woods, dunes, shores and wetlands of Michigan. Photographs are coupled with plant descriptions, scientific and family names, habitat, growing seasons and protected status. The book also features a wildflower quiz and a guide to eight of Michigan's most accessible and diverse wildflower trails. Price: \$18.95

Birds of Michigan by Stan Tekiela

This field guide includes 112 species...all Michigan birds. The guide is color coded by dominant bird color for quick identification. A full page color photo, information on nest, eggs, incubation, food, as well as range maps are also included for each bird. Slips easily into your pocket! Price: \$12.95

Trees of Michigan by Stan Tekiela

This field guide which will fit neatly into your pocket identifies 106 Michigan trees with full color photos and a corresponding page full of information on each tree. Thumb tab icons show leaf type and attachment. Price: \$12.95

Wildflowers of Michigan by Stan Tekiela

This pocket-sized book is perfect for taking on walks and using to identify wildflowers along the way. Approximately 200 varieties of Michigan wildflowers are depicted with full color photographs accompanied by descriptions of the height, flower, leaf, bloom time, origin, habitat and range, along with the author's notes on each variety. Price: \$16.95

Managing Michigan Ponds for Sport Fishing

This 67-page MSU Extension publication is primarily for the present or prospective owner of a Michigan pond where the main goal is sport fishing. It will help owners of existing ponds achieve more satisfactory fishing, as well as aids aspiring owners in foreseeing pond potentials and problems before building a pond. Price: \$5.00

Your Landscape and Our Natural Areas

A handy reference for the native plant enthusiast, this spiral bound series of 5 brochures lists and describes trees, shrubs, wildflowers, and other plants native to southeast Michigan. Price: \$6.00

Butterflies of Michigan by Jeret C. Daniels

Focusing on 147 butterfly species found in Michigan, this field guide contains range maps, full-color photos, including photos of caterpillars, and information on how to attract butterflies to your yard. Price: \$17.95

Birds, Nests, and Eggs by Mel Boring

A delightful children's book this "Take-Along Guide" identifies 15 birds and features bird watching activities. Price: \$7.95

Conifer Seedlings - Bareroot

White Pine: (*Pinus strobus*)

A native Michigan tree, it adapts to many soil types and moisture conditions. Moderately fast growing. Will tolerate some shade. Grows 80-100 feet. Has long, soft, blue-green needles. Michigan's state tree. (3-0) Size: 8-14 in.

Austrian Pine: (*Pinus nigra*)

Fast growing and adapts well to poor soils. Has long, dark green stiff needles. Good for windbreaks. Grows to 50-80 feet. (3-0) Size: 10-16 in.

White Spruce: (*Picea glauca*)

Native Michigan tree that is medium to fast growing. Grows to height of 60-70 feet. Tolerates a good variety of soil conditions. Retention of lower branches makes it a desirable windbreak tree. (3-0) Size: 10-16 in.

Norway Spruce: (*Picea abies*)

Fastest growing of the spruce. Reaches 60-90 feet. Easily identified by dense, draping branches, long cylindrical cones and dark green needles. Excellent for windbreaks. (3-0) Size: 10-16 in.

Blue Spruce: (*Picea pungens*)

Highly prized ornamental because of bluish-gray foliage. Makes choice Christmas tree. Slow growing, but will grow on almost any upland soil. Reaches 80-100 feet at maturity. (3-0) Size: 10-16 in.

Prices for each of the above varieties:

Qty:	5	10	25	50	100	500
Price:	\$8	\$13	\$23	\$37	\$53	\$170

Call our office for 1000 rate.

Red Pine: (*Pinus resinosa*)

Fast growth to 50-80 ft on sandy, well-drained soils in sunny locations. Excellent for timber production and windbreaks. (3-0) Size: 6-14 in.

Qty:	5	10	25	50	100	500
Price:	\$8	\$14	\$24	\$40	\$58	\$190

Call our office for 1000 rate.

Conifer Seedlings - Plugs

Plugs are 1-0 seedlings that are started in greenhouses in a growing medium in containers. This special treatment encourages vigorous growth in just one year. *Plugs are easy to plant, have minimal transplant shock, will hold longer before planting, and survivability is exceptional!! Plugs come packaged in multiples of 10 only.*

White Spruce: 8 - 10 inch tree with a 4 inch root plug

White Pine: 5 - 7 inch tree with 4 inch root plug

Qty:	10	20	50	100	500	1000
Price:	\$14	\$20	\$40	\$60	\$170	\$290



Conifer Transplants

Transplants have a larger caliper stem, more branching and a much heavier root system than seedlings. *What do the numbers in parentheses mean?* The first number indicates the number of years the tree spent in a "seedling bed." The tree is then moved to an area where it has more room to grow and the length of time spent there is indicated by the second number. Both numbers added together equal the age of the tree. (For descriptions of tree varieties see pg 3.)

Norway Spruce (2+2) Size: 15-24 inches
 White Spruce (2+2) Size: 15-24 inches
 Blue Spruce (2+1) Size: 8-14 inches

Prices for each of the above varieties:

Qty:	Each	10	25	50
Price:	\$2.20	\$20	\$50	\$85

White Pine (2+2) Size: 12-18 inches

White Cedar: (*Thuja occidentalis*)

Grows in cold, poorly drained swamps to a height of 30-45 ft. Shade tolerant, slow growing, and a favorite food of deer. Good for hedges and windbreaks. (3+2) Size: 15-24 in

Prices for White Pine and White Cedar:

Qty:	Each	10	25	50
Price:	\$2.50	\$22	\$52	\$88

Blue Spruce Jumbo Husky Transplants: Are you tired of waiting for those Blue Spruces to get big? Get a head start with these extra heavy 4-5 year old transplants!
 Price: \$4.00 each Size: 15-24 in



Deciduous Seedlings

Red Oak: (*Quercus rubra*)

Native Michigan tree that reaches 80 feet. Moderately fast growing. Valuable timber tree that also produces acorns, making it an important wildlife tree. Prefers loamy, upland soils, but also tolerates sandy soils. Protect from deer browse. Size: 4-5 ft

Qty:	Each	10	25	50
Price:	\$3.00	\$20	\$44	\$75



Black Walnut: (*Juglans nigra*)

Native tree highly regarded for top quality lumber. Shade tolerant, fast growing, prefers rich, fertile soil. Nuts provide food for wildlife. Grows to 60-80 feet. Roots produce a substance called juglone that nearby plants may not tolerate. Size: 2-3 ft

Qty:	Each	10	25	50	100
Price:	\$2.00	\$15	\$30	\$50	\$75



Native Grasses & Wildflowers

A Natural Alternative! Are you spending too much of your limited time and expensive fossil fuel mowing acres of lawn? That weed-free carpet of green also demands water, fertilizer and pesticides. An estimated 70% of pesticide use occurs on our nation's lawns. *Such monocultures are also nearly sterile as wildlife habitat!*

Warm season grasses may be an alternative to consider. A yard planted with a diverse mix of trees, shrubs, wildflowers and native grasses provides food and shelter for many species of wildlife, and a much more interesting and environmentally friendly place for people to enjoy.



Again this year, Lapeer Conservation District is working with the Lapeer Chapter of Pheasants Forever to provide the best possible prices on the following seeds for bulk planting. (Complete planting information will be provided with each order.) **MINIMUM ORDER IS 1 LB.**

Switchgrass: (*Panicum virgatum* Cave-in-Rock')

Grows 3 - 5 ft tall and tolerates a wide range of soils from clay to sand. Drought resistant. Grows best in full sun. Grows in clumps and spreads readily so is great for erosion control, areas next to water, and those tough to deal with sites where nothing else seems to grow. Provides wildlife cover and food for many birds and browsing animals. Bright golden fall color and a beautiful winter silhouette. Seeding rate is 6 lbs/acre. Price per lb: \$10 / Price per acre: \$50

Native Prairie Mix:

Grows 3 - 6 ft tall in a variety of soils. Prefers full sun. A mix of 5 native grasses and 10 native wildflowers. **Grasses:** Big Bluestem, Little Bluestem, Indian Grass, Switchgrass, Canada Wild Rye. **Wildflowers:** Purple Coneflower, Yellow Coneflower, Black-eyed Susan, Lanceleaf Coreopsis, Partridge Pea, Pale Purple Coneflower, Purple Prairie Coneflower, New England Aster, Illinois Bundleflower, Wild Bergamot Seed at 6 lbs/acre. Price per lb: \$15 / Price per acre: \$75

Michigan Native Wildflower Packets

Woodland Edge Mix: An easy-to-grow mixture of Michigan native wildflower seeds that will do well in open woodlands and forest edges that receive just a few hours of direct sunlight each day. The mix contains 16 different wildflowers such as Tall Bellflower, Woodland Sunflower, and Foxglove Beard-tongue, and two native grasses, Bottlebrush Grass and Little Bluestem. Tolerant of most moisture conditions except for continuously soggy. (Covers 25-30 sq. ft.)

Clay Mix : Designed for planting success in seasonally wet and/or heavy clay soils in full sun, this mixture will provide a carefree effect with blooms of various heights and colors. The mix contains 16 different native wildflowers such as Yellow Coneflower, Cupplant, and Showy Tick-Trefoil as well as three native grasses, Big Bluestem, Switch Grass, and Indian Grass. (Covers 25-30 sq. ft.)

Sandy Mix : Plant this mix in sandy soil with full sun. This mix includes 18 different native wildflowers including Sand Tickseed, Prairie Coreopsis and Rough Blazing Star. The two varieties of native grasses are Big Bluestem and Little Bluestem. (Covers 25-30 sq. ft.)

Please note! Each of the above mixes of Michigan native wildflowers and grasses will create habitat for wildlife, birds and butterflies. With minimal maintenance this landscape and the creatures it attracts will return to delight you year after year!



Price for above packets: \$4.00/pkt

Variety Packets

Please note: There is a possibility of substitutions from the nursery depending on availability of planting stock in the spring.

Michigan Native Bird & Wildlife Packet:

There are 20 plants, two of each of the following species: American Plum, Black Cherry, Crabapple, Hazelnut, Chinquapin Oak, Pin Oak, Elderberry, Gray Dogwood, High Bush Cranberry, and Silky Dogwood. Price: \$24

Michigan Native Hardwood Packet:

This pack of 18 native hardwood seedlings is ideal for diversified planting. Two of each of the following species: Black Walnut, Burr Oak, Pin Oak, Black Cherry, Northern Red Oak, Silver Maple, Swamp White Oak, Chinquapin Oak, and White Oak. Price: \$24

Native Nut Tree Packet:

This packet is a sampling of 4 varieties of nut-bearing trees. Two of each of the followings: American Chestnut, Black Walnut, Butternut, and Hazelnut. Price: \$20

Apple Trees

The apple trees that are available this spring will have a 3/4" stem caliper. The trees will be 4-6 feet tall and come as bare-root stock. Being semi-dwarf, the trees will reach about 12-18 feet in height at maturity. **Apple trees require cross pollination to bear fruit.** For this reason it is recommended that you buy more than one variety to produce apples.

LindaMac: A solid red McIntosh apple that starts coloring a month ahead of all the other Mac types. LindaMac has the crisp, sweet 'n sour flavor of a true McIntosh apple as well as the same fruit and tree characteristics. Ripens early-mid September.

Redcort: An even better version of the regular Cortland Apple, texture is crisp, flavor is sweet - a wonderful apple for fresh eating. Ripens mid-late September.

Wolf River: A gigantic baking apple! Tart and juicy it excels in the kitchen for everything from apple butter to apple pie. Ripens mid-September.

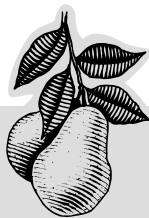
How to Plant Apple & Pear Trees: Plant trees 15-20 ft apart. Dig hole wide enough to accommodate the roots when spread out. Plant with the bud union 3 inches above the soil line to prevent the graft from rooting. Backfill the hole with good soil and pat it down to eliminate air pockets. Water thoroughly.

Pear Trees

These pear trees will have a 5/8" stem caliper, and come bare-root. They will be about 4 ft tall and will reach 12-20 ft. at maturity. **Pear trees require pollination to bear fruit.** For this reason it is recommended that you buy more than one variety.

Bartlett: Juicy and sweet, the leading variety for fresh eating and canning. Pick late August-early September.

Harrow Sweet: Yellow with a red blush, very sweet, and stores well. Resistant to fire blight. Pick early-mid August.



Prices for Apple & Pear Trees

Qty:	Each	5	10
Price:	\$14	\$65	\$120

Deciduous Seedlings (continued)

Red Maple: (*Acer rubrum*)

Medium sized tree that grows 60-70 feet. This is a native Michigan tree with *green leaves* - not the Crimson King Maple that has red leaves in the summer. Leaves turn scarlet, orange or yellow in fall. Fast-growing on a variety of soils, can tolerate lowland and shady conditions.

Size: 3-4 ft

Sugar Maple: (*Acer saccharum*)

Native tree that grows 60-75 feet with wide spreading crown. Fall leaf color ranges from yellow to scarlet-red. Prefers evenly moist fertile soils of all textures. Slow growing and highly shade tolerant.

Size: 2-3 ft

American Plum: (*Prunus americana*)

A small, native tree that slowly grows to 15 -30 feet. Prefers well-drained rich soil, but will grow in a variety of sites in sunny locations where it produces a profusion of beautiful white flowers in May/June. Round, 1-inch fruits are enjoyed by wildlife and used for making jams and jellies. Spreads into formidable thickets which make it an excellent choice for windbreaks, natural barriers, and wildlife habitat, especially for song birds which find cover in its spiny, sharp-tipped branches.



Size: 3-4 ft

Black Cherry: (*Prunus serotina*)

Medium-sized, fast growing tree reaching 40-65 feet. Grows well on a wide variety of soils with the exception of poorly drained sites with high water tables. Shade tolerant when young. Excellent food and habitat for wildlife, but also highly valued as a timber tree. Cherries are edible, but slightly bitter. Leaves and twigs are poisonous to browsing livestock. Size: 2-3 ft

River Birch: (*Betula nigra*)

A birch that is more resistant to borers. Noted for its lovely shaggy bark that peels in various shades of salmon. Grows quickly in damp, moist soil, but performs well on other sites. Grows to 40-70 feet. Needs full sun.

Size: 2-3 ft

Swamp White Oak: (*Quercus bicolor*)

Native, somewhat slow-growing oak can reach 45 - 60 ft in height and grows well in dry, poorly drained and wet, or even occasionally flooded areas. It will even tolerate significant soil compaction. The crown shape and bi-colored leaves (dark above, lighter beneath) are attractive features; fall color is yellow, with occasional red-purple. The acorns are sweet and an important food source for many birds and mammals.

Size: 3-4 ft

Alleghany Serviceberry: (*Amelanchier laevis*)

A small multi-stemmed tree that grows slowly in moist, shady areas. Orange to dull red fall color. Fleecy, white flowers in spring give way to delicious, edible, red fruit which changes to purple as it ripens. A favorite of both wildlife and pie-makers!

Size: 2-3 ft

Prices for all varieties on this page:

Qty:	Each	10	25	50	100
Price:	\$2.00	\$17	\$36	\$60	\$93

Deciduous Seedlings *(continued)*

Hybrid Poplar: *(Populus canadensis)*

Fast growing tree with potential height of 90 feet. Plants are all male clones, so no cotton or seed is formed. Developed for firewood plantations, but also makes very quick windbreak and shade. Tolerates a variety of soils, but prefers moist bottomland soil. Needs full sun.

Qty:	Each	10	25	50	100	Size: 3-4 ft
Price:	\$2.00	\$17	\$36	\$60	\$93	

American Sycamore: *(Platanus occidentalis)*

Large tree that reaches 50-90 feet. A fast growing, sun-loving tree, the sycamore will tolerate all soil types, even those with the high water tables and slow drainage that cause flooding. Desirable for home plantings due to its good survival, deep rooting, and the cooling shade it casts.

Size: 2-3 ft

Flowering Dogwood: *(Cornus florida)*

Slowly reaching heights of only 15-30 feet, this native understory tree is found in moist or dry wooded sites. The creamy white flowers produce scarlet fruit which is choice food for many birds and squirrels. Good fall color makes this an important landscape tree. Very shade tolerant.

Size: 2-3 ft

Tulip Poplar: *(Liriodendron tulipifera)*

Large, fast-growing tree reaching over 100 feet at maturity. It is part of the magnolia family and produces a tulip-shaped flower in the spring. Prefers sunny, moist to well-drained loam. Stately, native tree which lacks serious insect and disease pests.

Size: 2-3 ft

Prices for Sycamore, Flowering Dogwood, and Tulip Poplar:

Qty:	Each	10	25	50	100
Price:	\$2.00	\$18	\$40	\$65	\$105

Wildlife Shrubs

Red-Osier Dogwood: *(Cornus stolonifera)*

A medium-sized native shrub which grows swiftly to 8 feet. Deep red stems are beautiful in the snow or against a light colored wall or fence. Small white flowers in June yield whitish colored berries in the late summer/early fall, providing food for songbirds. Leaves turn red and orange in the fall. Shade intolerant, it prefers open, wet places.

Size: 2-3 ft

American Hazelnut: *(Corylus americana)*

A native shrub growing 3-12 ft tall, forming thickets, and great for borders or naturalizing in larger areas. Free from pests, it tolerates a wide range of conditions from sun to deep shade, from rich, moist, well-drained soil (its favorite) to stream sides, prairies and disturbed areas. Many species of wildlife enjoy the nutritious nuts and will nest in its dense cover. The leaves turn orange to red or purple in the fall.

Size: 2-3 ft

Prices for Red-Osier Dogwood and American Hazelnut:

Qty:	Each	10	25	50	100
Price:	\$2.00	\$15	\$30	\$50	\$75

Wildlife Shrubs *(continued)*

Black Chokeberry: *(Aronia melanocarpa)*

Reaching only 3-6 ft in height and width, this slow-growing native shrub adapts to many site conditions, including shade, but thrives in low, wet areas with high water tables. White June flowers give way to blue-black fruit (*not poisonous!*) that persists throughout the winter, thus attracting many birds. Brilliant crimson fall color adds landscape value.

Size: 2-3 ft

Elderberry: *(Sambucus canadensis)*

Medium-sized shrub that grows erectly up to 12 feet. White flower clusters in June-July turn into purplish black berries. Berries used for wine, juice, and pies. Fruits are also excellent wildlife food for birds, quail, and pheasants. Commonly found on floodplains and moist woods, but puts on the fastest growth in full sun.

Size: 2-3 ft

Smooth Sumac: *(Rhus glabra)*

A moderately fast-growing native shrub that reaches 10-15 ft. It is intolerant of shade, extremely drought resistant, and forms thickets from root suckers thus making it a good choice for mass plantings in open dry areas with infertile soil. Compact clusters of greenish yellow flowers bloom in June/July and produce red, hairy fruits which provide winter food for wildlife including many species of songbirds! Brilliant scarlet-red fall color adds ornamental value. (*Not the poisonous variety of sumac!*)

Size: 3-4 ft



Prices for Black Chokeberry, Elderberry, Smooth Sumac:

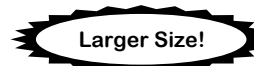
Qty:	Each	10	25	50	100
Price:	\$2.00	\$17	\$36	\$60	\$93

Highbush Cranberry: *(Viburnum trilobum)*

A tall, moderately slow growing native shrub up to 12-15 feet. Lustrous, 3-lobed leaves. Handsome clusters of white flowers produce scarlet fruit that can be used to make jelly. Important late-winter survival food for birds. Grows well on a variety of soils in sun or lightly shaded swamps. Offered as a "transplant" so this shrub will be extra stout with more branching and a heavier root system.

Size: 18-24 in. TRANSPLANT

Qty:	Each	10	25	50
Price:	\$3.00	\$20	\$44	\$75



Spacing Guide for Trees & Shrubs

Type of Tree	Spacing	Trees Per Acre
Pines, Spruce, Fir	8 feet x 8 feet	680/acre
Hardwoods	10 feet x 10 feet	435/acre
Windbreaks/Shrubs	6 feet x 10 feet	17 trees/ 100 feet
Windbreaks/Conifer	10 feet x 10 feet	10 trees/100 feet
Wildlife Shrubs	scattered	5-10 plants/clump