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Forest Trees and Shrubs, What, Where and How to Plant Michigan State University Extension Service T.D. Stevens Issued October 1944 12 pages

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FOREST TREES AND SHRUBS What - Where - How to Plant

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Contour tree planting on hilly land.

MICHIGAN STATE COLLEGE EXTENSION SERVICE

EAST LANSING

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Forest Trees and Shrubs

What, Where, and How to Plant

By T. D. STEVENS

PLANTING UNPRODUCTIVE AND IDLE LANDS TO FOREST TREES OFFERS A practical way to change those areas from liabilities to assets. The value of areas planted to forest trees increases from year to year as the trees grow in size and quality.

WHY PLANT FOREST TREES AND SHRUBS?

- To improve the appearance and value of worn-out or badly eroded land.
- To produce a valuable crop of saw timber, poles, posts, cordwood, or Christmas trees.
- 3. To prevent the loss of top soil by checking wind and water erosion.
- 4. To provide food and cover for wildlife.
- To provide windbreaks for the protection of the home, fields, and livestock.
- To make the farm home a more attractive and satisfying place to live.
- 7. To provide recreational areas.

WHERE TO PLANT TREES

Most of the farm land in need of reforestation is composed of badly eroded hillsides, deep dry sandy soils, or blow sand. Odd corners of fields that are not easy to farm usually make excellent places to grow Christmas trees, timber trees, or wildlife food and cover trees and shrubs.

Openings in woodlands may be planted to thicken the stand of trees. It is not advisable, however, to plant a cut-over woods unless the original stand of trees was quite thin because sprouts and seedlings that grow after cutting will usually crowd out newly planted trees.

Planting trees in swamp or marsh land is seldom practical because of unfavorable soil conditions and competition with grass and shrubs. Small swamps should be left open for the benefit of wildlife.

Trees planted as windbreaks offer excellent protection for home and field. Plant windbreaks for home protection on that side of the buildings against which blow the prevailing winter winds. Locate the windbreak several rods away from buildings since drifting snow will accumulate on the lee side of the windbreak. Windbreaks for the protection of fields should be located to protect the crop from the most damaging summer winds. A separate folder discussing windbreaks may be obtained from the Forestry Department of Michigan State College, East Lansing.

CHOICE OF SPECIES

While many species adapt themselves to a wide range of conditions, nevertheless it is best to choose those species which will make their

best development on the proposed planting site.

Important site factors are temperature and soil moisture. Very low temperatures may affect young trees through the lack of available soil moisture owing to the frozen condition of the soil. Young trees may be pushed out of the soil by frost heaving, the result of the soil's swelling and shrinking while freezing and thawing. Frost heaving is more common in heavy clay or organic soils. During the dry periods in the summer very high surface soil temperatures may damage the stems of young trees. Bare soils facing south or west have highest surface temperatures.

Soil type and drainage are very important in deciding the kind of trees to plant. In general, the heavier loamy soils retain more moisture and are more fertile than the lighter sandy soils. Conifer or evergreen trees are much better adapted to poorer soils than are broadleaf or deciduous trees. Species of trees to be planted in poorly drained soils or soils subjected to flooding should be chosen with care, as only a few species are suitable for planting on wet sites. Groups of one species interspersed with groups of other species, according to soil and moisture requirements, are preferable to continuous plantings of a single species (Fig. 1).

Pines grow well on deep dry sand, stabilized blowsand, and south and west slopes of eroded hillsides. Excellent growth is usually made

on sandy loam soils not fertile enough to farm.

Jack and Scots pine are best for very infertile and blowing sand. Red pine will develop best on well drained upland loam and sandy

Red pine will develop best on well drained upland loam and sandy loam soils. However, red pine will grow well on less fertile sands, gravels, and moderately heavy clay that has been croded. Red pine is comparatively free from disease and insect enemies in Michigan at the present time and may be planted throughout the state for lumber production.

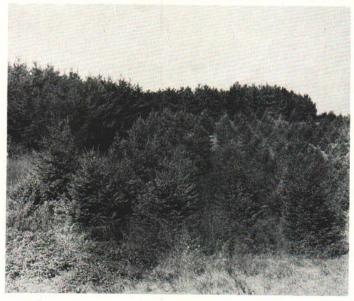


Fig. 1. Group planting according to soil and moisture requirements. Spruce was planted on the bottomland and jack and Scots pine on the drier eroded hillsides and ridges.

White pine makes its best development on well drained upland loam and sandy loam soils; do not plant it on very dry sands or poorly drained clays. It is advisable to thoroughly remove all currant and gooseberry bushes on and within 1,000 feet of the planting area since they are carriers of blister rust, a serious disease of white pine.

Spruce and fir grow well on damp areas where the water table is fairly high. Nevertheless, do not plant them in standing water. Best growth will occur on moist well drained loam or sandy loam soils. While considerably more tolerant of shade than pine, spruce and fir should not be planted in dense shade.

Hardwoods or broad-leaved trees, when grown for timber production, should be planted on fairly good agricultural land. Cottonwood, honey locust, and willow will grow on sands. Black locust is recommended for planting in eroding gullies. Black cherry, hickory, locust, yellow poplar, and black walnut should be planted only in the southern part of the state. See Table 1, a planting guide, for species recommended

for various sites. For information concerning special planting problems address the Forestry Department, Michigan State College, East Lansing.

SIZE AND AGE OF PLANTING STOCK

Use the smallest stock that can be planted with safety. Where soil and moisture conditions are favorable, two- and three-year-old coniferous seedlings will be satisfactory. On dry and exposed sands or on sites densely covered with shrubs, weeds, or grass it is generally desirable to use three- to four-year-old transplant stock. Transplants are much better than seedlings for Christmas tree and pulpwood plantings. The older and larger stock is also superior for planting heavier soils where frost heaving is likely. One-year-old seedlings or two-year-old transplants are satisfactory for white ash, green ash, yellow poplar, sugar maple, American elm, black locust, and basswood. Where squirrels are not too numerous the nuts or acorns of black walnut, hickory, and oak may be planted directly on the area where the trees are to be grown. Cottonwood and willows are easily started from cuttings in the early spring.



Fig. 2. Eroded land planted to pine and other wildlife food and cover species. Black locust has checked active erosion in the gully at the extreme right. (Soil Conservation Service photo.)

TABLE 1-Planting guide

	DRY UPLANDS					LOWLANDS						
SPECIES		Sand			Sandy Leam			Clay	-Clay			
	Dunes and Shifting Sand	Level	Exposure ²		Level	Exposure		Level	Exp	osure	Sands to Clays	Muck or Peat
			N & E2	S& W2		N & E	8 & W		N&E	S&W		
Forest Trees										-		
Conifers (Evergreen) Cedar, Northern White					27			-				1000
Fir. Balsam			******		Yes Yes	Yes Yes		Yes Yes	Yes	******	Yest	Yes
Fir, Balsam Fir, Douglas					Yes	Yes	Yes	Yes	Yes Yes	Yes	Yes	Ye
Larch, European					Yes	Yes	*10		169	168	******	*****
Pine, Jack	Yest	Yest	Yes1	Yes1	Yes	Yes	Yes	Yes	Yes	Yes		
Pine, Red	Yest	Yes1	Yest	Yest	Yest	Yes	Yest	Yest	Yes	Yes1		
Pine, Scots	Yes	Yes1	Yes1	Yes1	Yes	Yes	Yes	Yes	Yes	Yes		
Pine, White			Yes		Yest	Yes1	Yest	Yes	Yest	Yes1		Ye
Spruce, Black						******		*******	******		Yes!	Ye
Spruce, Norway**				******	Yes1	Yes1	******	Yest	Yes1	Yes		
Fir, Douglas Larch, Eurropean Pine, Jack Pine, Red Pine, Scots Pine, White Spruce, Black Spruce, Norway** Spruce, White	*****			+ + + + + + + +	Yest	Yes1		Yest	Yest	Yes	Yes	
IOADELEAVES (Deciduous) Ash, Green Ash, White Basswood Cherry, Black** Cottonwood Elm, American Hickory, Pignut** Hickory, Shagbark** Looust, Black** Maple, Soft Maple, Soft Maple, Soft Maple, Soft White Poplar, Yellow** Walnut, Black* Willow			9									
Ash, Green					Yes	Yes	Yes!	Yes	Yes	Yes		
Ash, White					Yest	Yest	1.00	Yest	Yest	165		****
Basswood					Yes	Yes		Yes	Yes		Yes	****
Cherry, Black**					Yest	Yest		Yes	Yest			
Cottonwood	Yes1				Yes	Yes		Yes	Yes		Yes	Ye
Elm, American	++++++				Yes	Yes		Yes	Yes		Yes1	Ye
Hickory, Pignut	+ + + + + + +		*******		Yes	Yes	Yes	Yes	Yes	Yes		
Locust Black**				******	Yes	Yes	Yes	Yes	Yes	Yes		
Locust Honey**	Vest	Van	· · · · · · ·	Van	Yes Yes	Yes Yes	Yes	Yes	Yes	Yes		
Maple, Soft	168.	Ves	Yes	res	Yes	Yes		Yes	Yes	Yes	Yes	Ye
Maple, Sugar		105	168		Yes1	Yes1		Yes Yes1	Yes Yes1		Yes	Ye
Oak, Red					Yes	Yes	Yest	Yes	Yes Yes	Yesi		
Oak, White					Yes	Yes	169.	Yest	Yes1	168		
Poplar, Yellow**					Yes	Yes		Yest				
Walnut, Black*					Yes	Yes		Yes	Yes			
Willow	Yes								100		Yes	Ye
SHRUBS AND WOODY VINES												-
Ach Mountain					44				250	200 1	200	
Rlackborn	Vos	Yes	Yes	Yes	Yes Yes	Yes	Yes	Yes Yes	Yes	Yes	Yes	
Black-how**	168	1.08	1 (8	108	Yes	Yes Yes	1 es	Yes	Yes	Yes .	******	
Ash, Mountain Blackberry Black-haw** Coralberry Crab, Wild	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes Yes	Yes .	Yes	
Crab, Wild			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Dogwood, Gray Dogwood, Red-Osier Dogwood, Silky Elder Grape, Wild					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dogwood, Red-Osier					Yes	Yes		Yes	Yes	1.00	Yes	Yes
Dogwood, Silky					Yes	Yes		Yes	Yes		Yes	Yes
Elder			*******		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hawthorn	*****	Yes	Yes	Yes	Yes	Yes	Yes .		122214			
Hazel		Yes	Yes Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Honeysuckla	*****	Yes	Yes	Yes	Yes Yes	Yes	Yes .	Yes				
Honeysuckle. Juniper, Prestrate.		Yes	Yes	Yes	Yes	Yes Yes	Yes Yes	1 63	Yes	Yes .		
Nanny-berry			162	1 08	Yes	Yes		Yes	Yes	******	Yes	
Ninebark					Yes	Yes	Yes	Yes	Yes	Yes .	Yes .	
		Yes	Yes	Yes	Yes	Yes	Yes	1 03	168			
Pea, Siberian		Yes	Yes	Yes	Yes	Yes	Yes .					
Plum, Wild		Yes	Yes	Yes	Yes	Yes		Yes	Yes			
Rose, Wild	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Pea, Siberian Plum, Wild Rose, Wild Shadbush		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes .		
		Yes	Yes .	******	Yes	Yes	Yes	Yes	Yes			
Sumac Withe-rod		Yes	Yes	Yes	Yes Yes	Yes Yes	Yes .	Yes			Yes	
							*****		Yes	*****		

^{*}Plant in mixture with other species on fertile soils in southern Michigan only

^{**}Southern Michigan

Especially recommended for this planting location as bringing high returns in the production of wood products 4 Pronounced slopes facing north and east (N & E) or south and west (S & W)

TABLE 2-Use of different species

		Wood	Prod	uetion		Cover or Food for Wildlife								Miscellaneous Uses				
SPECIES	Lumber	Posts	Pulp	Ties	Baskets	Beaver	Deer	Fish	Grouse	Pheasant	Songbirds	Rabbit	Squirrel	Christmas trees	Christmas Greens	Erosion Control	Honey	
rest Trees																		
Conifers (Evergreen) Cedar, Northern White		Yes					Yes	Yes	Yes	Yes	Yes	Yes			Yes			3
Fir, Balsam	Yes		Yes				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			1
Fir, Douglas	Yes	222.0		++++	++++					****		*****	Yes	Yes	Yes	*****		П
Larch, European			37				Yes		Yes	Yes	Yes	Yes	Yes	Yes		Yes		1
Pine, Jack	Yes		108				Yes		Yes	Yes	Yes	Yes	Yes	.,,	Yes			ŀ
Pine Scots	Yes		Yes		*****		Yes		Yes	Yes	Yes	Yes	Yes	Yes		Yes		ľ
Pine, Scots	Yes						Yes		Yes	Yes	Yes	Yes	Yes		Yes	Yes		ľ
Spruce, Black			Yes				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			ŀ
Spruce, Black	Yes		Yes				Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes			ľ
Spruce, White	Yes		Yes				Yes		Yes	Yes	1 es	Yes	Yes	Yes	Yes			l
ROADLEAVES (Deciduous)	Yes												Yes			Yes	Yes	I.
Ash, Green	Yes												Yes				Yes	I.
Basswood	Yes						Yes		Yes		Yes		Yes				Yes	ŀ
Cherry, Black**	Vos								Yes	Yes	Yes	Yes	Yes				Yes	ı
Cherry, Black**	Yes		Yes		Yes	Yes		Yes	Yes	Yes			Yes				Yes	ı
	Yes Yes Yes Yes	1			1 (3		12500	Yes		*****	Yes	Yes	Yes				Yes	
Hickory, Pignut** Hickory, Shagbark** Locust, Black** Locust, Honey** Maple, Soft Maple, Sugar Oak Red	Yes		****				Yes			*****	****	*****	Yes Yes		****			
Hickory, Shagbark**	Yes	v		Yes			Yes			Yes	Yes	Yes	Yes			Yes	Yes	
Locust, Black		Vos		168						Yes	1 65	Yes	Yes				Yes	ľ
Manle Soft	Yes	168			Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes				Yes	I.
Maple, Sugar	Yes			Yes		Yes			Yes		Yes	Yes	Yes				Yes	ŀ
Oak, Red	Yes	Yes							Yes	Yes	+++++	Yes	Yes				Yes	ŀ
Oak, White	Yes Yes	Yes							Yes	Yes	*****	Yes	Yes				Yes	ŀ
Oak, Red Oak, White Poplar, Yellow** Walnut, Black*	Yes	19.000				Yes					****		Yes Yes		*****		Yes Yes	ŀ
Walnut, Black*	Yes				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	169			Yes	Yes	ı
						1									-			l
sinuus axo Woony Vines Ash, Mountain Blackberry Black-haw** Coralberry Crab, Wild Dogwood, Gray Dogwood, Red-Osier Dogwood, Silky Elder Grape, Wild Hawthorn Hazel						44104	Yes	11100	Yes	Yes	Yes		Yes			*****	Yes	l
Blackberry		15000					14000		Yes	Yes	Yes	Yes	Yes			Yes	Yes Yes	ł
Black-haw**						++++	Yes	1+1-1	Yes Yes	Yes Yes	Yes Yes	Yes				Yes	Yes	l
Coralberry		-7-11					Yes		Yes	Yes	Yes	Yes	Yes				1	ı
Dogwood Gray		03.444					Yes	Yes	Yes	Yes	Yes	Yes				Yes	Yes	ı
Dogwood Red-Osier				1			Yes	Yes	Yes	Yes	Yes	Yes				Yes	Yes	
Dogwood, Silky							Yes	Yes	Yes	Yes	Yes	Yes					Yes	
Elder							Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes Yes	ı
Grape, Wild						+-++	Yes		Yes	Yes Yes	Yes Yes	Yes Yes	Vos			Yes	Yes	١
Hawthorn	****						res		Yes	Yes	169	Yes	Ves			100	Yes	ı
Hazel							Yes		Yes	Yes	Yes	Yes					Yes	
Innings Prostents							110		Yes	Yes	Yes	Yes				Yes		ı
Nanny-berry							Yes		Yes	Yes	Yes					Yes	Yes	ŀ
Hazel Honeysuckle Juniper, Prostrate Nanny-berry Ninebark							Yes			Yes	Yes						*****	1
Olive, Russian Pea, Siberian Plum, Wild					+++				200	Yes		Yes		++++	+ * * * *	Yes	Yes	ı
Pea, Siberian					*****		47.	****	Yes	Yes	Yes	Yes	Ver			Yes	Yes Yes	1
Plum, Wild			+1010	*****			Yes		Yes Yes	Yes Yes	Yes	Yes	168			Yes	Yes	1
Rose, Wild					****		Yes		Yes	Yes	Yes	1 08					Yes	1
Shadbush									Yes	Yes	Yes	Yes					Yes	T.
Sumac									Yes	Yes	Yes	Yes					Yes	į.
Withe-rod							Yes		Yes	Yes	Yes						Yes	

^{*}Plant in mixture with other species on fertile soils in southern Michigan only **Southern Michigan

WILDLIFE SPECIES

Planting species to provide food and cover for wildlife usually makes it possible to increase the amount of game and other wildlife. Food and cover species may be planted on ditch shoulders, rough land, eroding slopes, odd pieces of waste land, and around or mixed with plantations of trees for timber (Fig. 2). See Table 2 for suitable wildlife food and cover species.

WHEN TO PLANT

Early spring planting is preferable to fall planting as the trees are not in immediate danger of being heaved out of the soil by alternate freezing and thawing. Fall planting may be satisfactory for light sandy soils. Direct sowing of nuts and acorns is best accomplished in the fall; however, spring sowing is recommended, if there is danger of rodents disturbing the seed during the winter.

CARE OF TREES ON ARRIVAL

Trees are shipped with their roots packed in damp moss, shingle tow, or other similar material. When the trees are to be planted within 48 hours, they may be left in their shipping container if stored in a cool place and kept moist. If the trees are not to be planted within a day or two they should be "heeled-in". This consists of digging a trench in a shady place with one side sloping at a 45-degree angle. The trench should be deep enough to accommodate the entire root system and the lower portion of the stem. Cut the strings on each bundle of trees, dip the roots in water, and spread the trees evenly along the sloping side of the trench. Cover the roots with soil, pack well to eliminate air pockets, and keep moist. "Heeled-in" trees will keep in good condition for two weeks or more but should be permanently planted before new growth starts.

SOIL PREPARATION

Some form of soil preparation is most always desirable as a means of eliminating competition with weeds and grass. The three common methods of preparation are scalping, furrowing, and plowing.

Scalping consists of removing the sod from an area about 2 feet square. Be sure all surface roots are removed with the sod scalp to prevent immediate regrowth of grass and weeds. After the sod is removed, a tree is planted in the center of the scalped area. A shovel, grub hoe, or mattock is a satisfactory hand tool for scalping.

Furrowing consists of plowing shallow furrows and planting the trees in the bottom of the furrow. Furrows should be plowed either

on the contour when the planting site is hilly (see page 1) or at right angles to the prevailing winds when the planting site is comparatively level. Where the water table is extremely high, it is recommended that the trees be planted on the furrow slice; plow the furrow in the fall and plant on the slice the following spring.

Plowing the entire planting area is decidedly beneficial when heavy sod is present or when it is planned to plant hardwoods, or evergreens for Christmas trees. The area should be plowed in the fall and disked in the spring before planting the trees. To increase the chances of survival, the trees should be cultivated the first year and preferably the second as well. Cultivation helps to conserve moisture and keep down the competition of weeds and grass. Generally, two cultivations a year will be sufficient to control the weeds.

PLANTING METHODS

Carry the trees in a pail partly filled with water to keep the roots moist. If the roots are permitted to dry out, the trees may die.

Hole Method:

A shovel, grub hoe, or mattock is the most practical planting tool for the hole method. Dig a hole-large enough to accommodate the roots when spread out in their normal position. Insert the tree into the hole ½ inch deeper than it was in the nursery, being careful not to crowd the roots. Never double up the roots (Fig. 3). Cover the roots with moist fine soil and press down with the back of the hand (Fig. 4). No grass, leaves, or stones should be in contact with roots. Fill in the remaining soil and firmly pack with the heel of the shoe (Fig. 5). Leaves and grass may be placed around the newly planted tree to form a moisture conserving mulch. Inexperienced men can plant 300 to 400 trees per day by the hole method.

Slit Method:

The slit method of planting is often preferred because it is more rapid than the hole method. Nevertheless, the slit method should only be used with small-sized planting stock and sandy soils. The most practical planting tools for this method are the common spade, tiling spade, or planting bar. A planting bar may be constructed from a steel bar 4 inches wide by 12 inches long by 34 inch thick and a 30-inch piece of 34-inch iron pipe; draw one end of the bar to a knife-like edge and weld the other end to the iron pipe which serves as a handle.

Insert the planting tool into the soil, moving it back and forth to form a V-shaped slit. With the planting tool still in the slit, insert the



young tree to the proper depth, making sure the roots are not doubled up. Remove the planting tool and close the top of the slit with the heel of the shoe. To close the bottom of the slit and assure that no air pockets are left around the roots, insert the planting tool about 2 inches back from the slit and again work it back and forth to pack the soil firmly against the roots of the tree; the success of the planting may depend on the thoroughness with which this step is completed. Inexperienced men can plant 600 to 900 trees per day by the slit method.

SPACING

Evergreen trees for forest plantations should be spaced 6x6 to 8x8 feet. 5x5 or 6x6 feet is suitable spacing for Christmas trees. Spacing for hardwoods may vary from 8x8 to 12x12 feet. Table 3 shows the number of trees required per acre for different spacings.

Table 3-Trees per acre for different spacings

Spacing in feet	5 x 5	6 x 6	6 x 7	6 x 8	. 8 x 8	10 x 10	12 x 12
Number of trees per acre	1,742	1,210	1,037	908	680	435	302

WHERE PLANTING STOCK CAN BE PURCHASED

The trees and shrubs which are printed in bold face type in the planting guide (Table 1) may usually be obtained, at low cost, from the Department of Forestry, Michigan State College, East Lansing. Pine trees are produced by the Division of Forestry, Michigan Conservation Department, Lansing. Planting stock from either of these sources may not be used for ornamental purposes or resold with roots attached. Order blanks may be obtained from your county agricultural agent, the Extension Forester at Michigan State College, East Lansing, and from the State Forester, State Office Building, Lansing. Many species may also be purchased from private nurseries.

GLOSSARY OF COMMON AND SCIENTIFIC PLANT NAMES

Conifers (Evergreen)

Cedar, Northern White Thuja occidentalis L.	
Fir Balcam Abies balsamea (L.) Mill.	
Fir. Douglas Pseudotsuga taxifolia (Poir.) Briti	t,
Larch, European	
Pine, Iack	
Pine. Red	
Pine. ScotsPinus sylvestris L.	
Pine White Pinus Strobus L.	
Spruce Black	
Spruce, Norway	
Spruce White	

Broadleaves (Deciduous)

Ash, Green	
Basswood	
Cherry, Black Prunus serotina Ehrh.	
Cottonwood	
Populus deltoides virginiana (Castiglioni) Sudw.	
Elm, American	
Hickory, Pignut	
Hickory, Shagbark Carya ovata (Mill.) K. Koch.	
Locust, Black	
Locust Hopey Classic triangle I.	
Locust, Honey	
Maple, Soft	
Acer saccharman L.	
Maple, Sugar	
Oak, RedQuercus borealis Michx.	
Oak, White	
Oak, White Quercus alba L.	
Poplar, Yellow	
Walnut, BlackJuglans nigra L.	
Willow Salir spp	

Shrubs and Woody Vines

Ash, Mountain Sorbus americana Marsh.
Blackberry
Black-haw Viburnum prunifolium L.
Coralberry Symphoricarpos orbiculatus Moench. Crab, Wild Malus spp.
Dogwood, Gray Cornus racemosa Lam.
Dogwood, Red-OsierCornus stolonifera Michx.
Dogwood, Silky
Elder Sambucus canadensis L.
Sambucus pubens Michx,
Grape, Wild
Hawthorn Control L.
Hawthorn
Hazel Corylus americana Walt.
Corylus cornuta Marsh.
Honeysuckle, Bush Diervilla Lonicera Mill.
Honeysuckle, Fly Lonicera canadensis Marsh.
Juniper, Prostrate Juniperus communis depressa Pursh.
Nanny-berry Viburnum Lentago L.
Ninebark Physocarbus abulifolius (I) Maxim
Olive, Russian Elacagnus augustifolia L.
Pea, Siberian Caragana arborescens Lam.
Plum, Wild Prunus nigra Ait.
Rose, Wild
Shadbush
Snowberry Symphoricarpos albus Blake.
Sumac Rhus glabra L.
Rhus typhina L.
Withe-rod