

Schuylkill Township

**CHESTER COUNTY
PENNSYLVANIA**



*Pennsylvania State Flower
Mountain Laurel*

NATIVE PLANT LIST

SCHUYLKILL TOWNSHIP ORDINANCE NO. 2009-03

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Schuylkill Township

CHESTER COUNTY
BOARD OF SUPERVISORS

NATIVE PLANT LIST

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Pennsylvania State Tree - Eastern Hemlock

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So what exactly is a Native Plant?

A native plant is one which occurred within the state before settlement by Europeans. Native plants include ferns and clubmosses, grasses, sedges, rushes, and their kin; flowering perennials; annuals which only live one year; biennials, which have a two year life cycle; and, of course, the woody trees, shrubs, and vines which covered “Penn’s Woods” when the first settlers arrived. There are over 2,100 native plant species known in Pennsylvania.



An introduced or non-native plant is one that has been brought into the state and become established. At the turn of the 21st century, about 1,300 species of non-native plants existed in Pennsylvania. That is 37 percent of Pennsylvania’s total plant flora (which is about 3,400 species), and more introduced plants are identified every year.

An invasive plant is a species that has become a weed pest. One that grows aggressively, spreads, and displaces other plants. Although some native plants are aggressive on disturbed areas, most invasive plants are introduced from other continents, leaving behind pests, diseases, predators, and other natural controls.

While new plants are coming into Pennsylvania, native plants are being lost to habitat destruction, invasive plants, and introduced pests and diseases. By 2000, 5 percent of Pennsylvania native plant species had been eliminated and another 25 percent were in danger of becoming so. The good news is that action can be taken to protect and enhance the remaining diversity of beautiful and often useful plant species which grace our Commonwealth: Protect native plant communities and minimize habitat destruction; Landscape with native plants; Learn more about native plants; Buy nursery-propagated native plants; Do not remove native plants from the wild; Practice responsible landscaping techniques.

Go Native with these 6 basics:

1. Protect native plant communities and minimize habitat destruction

The most important guideline is to conserve already existing areas of native vegetation as a whole, functioning unit. The easiest, least expensive, and best way to conserve Pennsylvania’s plant heritage is to protect existing native plant communities from further disturbance.

If disturbance is necessary, strive for minimum habitat destruction. In some cases ecological restoration may be necessary, which can include planting native species, removing invasive introduced species, controlling erosion and loosening soil compaction.

2. Landscape with native plants

Native plant communities have been destroyed in many areas and therefore landscaping is required; parks, yards, streets, and campuses, for example. Well-chosen native plants perform well in these landscapes. The Department of Conservation and Natural Resources (DCNR)-Bureau of Forestry (BOF) recommends avoiding rare, endangered, and threatened plants and instead choosing native plant species which grow commonly throughout the state. These hardy and adaptable plants do well in a wide variety of conditions and have a much better chance of success in gardens. If you do not want all natives, plant adapted introduced plants suited for the site, colorful annuals, or flowering plants that will not escape and become environmental weeds.

3. Learn more about native plants

Learn what plants are native in your area. The Resources Page lists just a few of the resources for this region, but there are many more. Many field guides can get you started.



4. Buy nursery-propagated native plants

Most retail nurseries and mail-order catalogs now offer native plants. The more consumers request native plants, the more this supply will grow. If you want guaranteed ornamental characteristics, cultivars (named varieties) are available in some cases; for instance, New England Aster has a cultivar named 'Purple Dome', which was selected for shorter height and showier flowers. Cultivars should be predictable in attributes like height, color, blooming period, or absence of seed pods/thorns--qualities many gardeners want. If your goal is genetic diversity, however, ask for straight species, not cultivars, grown from local seed sources. Plants grown from seed have much more variety than cloned cultivars.

5. Do not remove native plants from the wild

Taking native plants from the wild depletes native populations. Also, many wild-collected plants do not survive transplanting. Prevent wild-collecting of plants by making sure that plants you buy are propagated at a nursery, or by starting plants yourself from a local seed supply (Collect seed only with the property owner's permission).

Visit the Department of Conservation & Natural Resources website at :

www.dcnr.state.pa.us/forestry/wildplant/nativesources.aspx for a list of native plant and seed sources in Pennsylvania.

6. Practice responsible landscaping techniques

The first rule of responsible landscaping is to **plant the right plants in the right environment**: never introduce invasive plants to your landscape that will aggressively spread off your property and invade native plant communities. They can drastically alter ecosystems and give you and your neighbors maintenance headaches for years to come. Ask the DCNR-BOF for the brochure "Invasive Plants in Pennsylvania."

When landscaping with native plants it is important to **choose plants that will grow well at the site**: wet or dry, shade or sun, acid or neutral soil. A good trick is to notice which native plants are thriving nearby, and to use those clues to guide plant selection. Other information can be found from plant nurseries, catalogs, books, or the Internet.

For soil fertility, compost and mulch of leaves or grass clippings provide slow release nutrients. Chemical fertilizers often provide too many nutrients too quickly

for native plants, and this flush of nutrients gives weeds a competitive edge. Proper site preparation begins with a soil test before applying fertilizer.

Try **organic pest control**. Keep the soil covered to prevent weeds. Remove invasive plants nearby. Take out severely diseased plants, or ones with insect infestations. Many native plants attract beneficial insects which help control pests, so try creating habitat for "good bugs."



In Summary

Native Plants help create beautiful landscapes that provide wildlife habitat and reduce maintenance costs. Their greatest benefit, though, may be the increased awareness about which plants are native and which are not, and the protection of remaining

native plant communities. Children and adults can have a high-quality educational experience right in their own backyard, park, school, or workplace. Loss of native plant communities is not just in the tropical rainforest!

from the website of:



Commonwealth of Pennsylvania
 Edward G. Rendell, Governor
 Department of Conservation & Natural Resources
 Michael DiBerardinis, Secretary
www.dcnr.state.pa.us/forestry/wildplant/native.aspx

The species on the following list are the approved native plants for landscaping in Schuylkill Township, Chester County, Pennsylvania by Ordinance No. 2009-03. They have been selected because they tend to grow widely throughout the state; they are common and will likely do well if matched to their preferred growing conditions. By definition, none of these plants are rare, endangered, threatened, or extinct in the state. These plants are also commonly cultivated and used in horticulture; they should be available for purchase and should perform well in garden conditions.

Schuylkill Township would like to thank Lower Makefield Township for permission to use and adapt their native plant listing.

Common Name: Since there often are many common names for the same plant, these species are arranged alphabetically by scientific name.

Scientific Name: Scientific name from *USDA/NRCS Plants Database* (see resource list).

Zone Preference: Pennsylvania is generally divided into two horticultural zones: **USDA zone 5** is in the northern half of the state and high elevations where the average minimum temperature may reach -10° to -20° F. **USDA zone 6** is in the southern half of the state and lower elevations where the average coldest temperature is 0° to -10° F.

TREES

TYPE	BOTANICAL NAME	COMMON NAME	STREET TREE	LIGHT			MOISTURE		
				SUN	PART SHADE	SHADE	DRY	MOIST	WET
EVERGREEN	<i>Chamaecyparis thyoides</i>	Atlantic White Cedar			X	X		X	X
	<i>Ilex opaca</i>	American Holly		X	X	X		X	
	<i>Juniperus virginiana</i>	Eastern Red Cedar		X			X	X	
	<i>Picea glauca</i>	White Spruce		X	X			X	
	<i>Picea pungens</i>	Blue Spruce		X			X	X	
	<i>Pinus echinata</i>	Shortleaf Pine		X			X	X	
	<i>Pinus resinosa</i>	Red Pine		X			X	X	
	<i>Pinus rigida</i>	Pitch Pine		X			X		
	<i>Pinus strobus</i>	White Pine		X			X	X	
	<i>Pinus virginiana</i>	Virginia Pine		X			X	X	
	<i>Thuja occidentalis</i>	Eastern Arborvitae		X			X	X	X
	<i>Tsuga canadensis</i>	Eastern Hemlock			X	X		X	
DECIDUOUS	<i>Acer rubrum</i>	Red Maple	X	X	X	X		X	X
	<i>Acer saccharinum</i>	Silver Maple		X	X			X	X
	<i>Acer saccharum</i>	Sugar Maple		X	X	X		X	
	<i>Asimina triloba</i>	Paw-Paw		X				X	
	<i>Betula lenta</i>	Sweet Birch		X	X		X	X	
	<i>Betula nigra</i>	River Birch		X	X			X	X
	<i>Betula populifolia</i>	Gray Birch		X	X		X	X	X
	<i>Carpinus caroliniana</i>	American Hornbeam			X	X		X	
	<i>(C. tomentosa)</i> <i>Carya alba</i>	Mockernut Hickory			X	X	X	X	
	<i>Carya cordiformis</i>	Bitternut Hickory		X				X	X
	<i>Carya glabra</i>	Pignut Hickory		X	X		X	X	X
	<i>Carya ovata</i>	Shagbark Hickory		X				X	
	<i>Castanea pumila</i>	Allegheny Chinkapin		X	X		X		
	<i>Celtis occidentalis</i>	Hackberry		X	X	X	X	X	X
	<i>Crataegus crus-galli</i>	Cockspur Hawthorn		X	X		X	X	
	<i>Crataegus viridis</i>	Green Hawthorn			X	X		X	X
	<i>Diospyros virginiana</i>	Common Persimmon		X	X		X	X	
	<i>Fagus grandifolia</i>	American Beech		X	X	X		X	
	<i>Fraxinus americana</i>	White Ash		X	X		X	X	
	<i>Fraxinus pennsylvanica</i>	Green Ash		X	X		X	X	X
	<i>Gleditsia triacanthos v. inermis</i>	Thornless Honeylocust	X	X	X		X	X	
	<i>Juglans nigra</i>	Black Walnut		X				X	
	<i>'Rotundiloba'</i> <i>Liquidambar styraciflua</i>	Sweetgum	X	X	X			X	X
	<i>Liriodendron tulipifera</i>	Tuliptree		X	X			X	
	<i>Morus rubra</i>	Red Mulberry		X	X			X	
	<i>Nyssa sylvatica</i>	Black Gum	X	X	X		X	X	X
	<i>Ostrya virginiana</i>	Eastern Hophornbeam	X	X	X	X	X	X	
	<i>Oxydendrum arboreum</i>	Sourwood		X	X		X	X	
	<i>Platanus x acerifolia</i>	London Planetree	X	X	X			X	
	<i>Populus deltoides</i>	Eastern Poplar		X				X	X
	<i>Populus tremuloides</i>	Quaking Aspen		X				X	X
	<i>Quercus alba</i>	White Oak		X	X		X	X	
<i>Quercus bicolor</i>	Swamp White Oak		X	X			X	X	

TREES (cont'd)

DECIDUOUS (cont'd)			STREET TREE	LIGHT			MOISTURE		
TYPE	BOTANICAL NAME	COMMON NAME		SUN	PART SHADE	SHADE	DRY	MOIST	WET
	Quercus coccinea	Scarlet Oak	X	X			X	X	
	Quercus ilicifolia	Bear Oak		X			X		
	Quercus macrocarpa	Bur Oak	X	X			X	X	
	Quercus marilandica	Blackjack Oak			X		X		
	Quercus muehlenbergii	Chinquapin Oak	X	X			X	X	
	Quercus palustris	Pin Oak *	X	X				X	X
	Quercus phellos	Willow Oak	X	X	X			X	X
<i>Q. montana</i>	Quercus prinus	Chestnut Oak		X	X		X	X	
	Quercus rubra	Northern Red Oak	X	X	X		X	X	
	Quercus stellata	Post Oak		X			X	X	
	Quercus velutina	Black Oak		X	X		X	X	
	Salix discolor	Pussy Willow		X				X	X
	Salix nigra	Black Willow		X	X			X	X
	Sassafras albidum	Sassafras		X	X		X	X	
	Tilia americana	American Linden	X		X	X		X	
<i>'Valley Forge'</i> <i>'Princeton'</i>	Ulmus americana	American Elm	X	X	X			X	X
	Ulmus rubra	Slippery Elm			X	X	X	X	
FLOWERING	Amelanchier arborea	Downy Serviceberry		X	X		X	X	X
	Amelanchier canadensis	Shadblow Serviceberry			X	X		X	X
	Amelanchier laevis	Allegheny Serviceberry		X	X	X	X	X	
	Cercis canadensis	Eastern Redbud			X	X	X	X	
	Chionanthus virginicus	White Fringetree		X	X	X	X	X	
	Cornus alternifolia	Pagoda Dogwood			X	X		X	
	Cornus florida	Flowering Dogwood			X		X	X	
	Hamamelis virginiana	Witch Hazel			X	X	X	X	
	Magnolia acuminata	Cucumbertree Magnolia		X				X	
	Magnolia virginiana	Sweetbay Magnolia		X	X	X		X	X
	Prunus americana	American Plum		X	X		X	X	
	Prunus pensylvanica	Pin Cherry		X	X		X		
	Prunus serotina	Black Cherry		X			X	X	
	Prunus virginiana	Chokecherry		X				X	
	Viburnum lentago	Nannyberry Viburnum		X	X		X	X	
	Viburnum prunifolium	Blackhaw Viburnum		X	X		X	X	

* For street tree a cultivar such as "Green Pillar" that has an upright branching habit should be used.

SHRUBS

TYPE	BOTANICAL NAME	COMMON NAME	LIGHT			MOISTURE			
			SUN	PART SHADE	SHADE	DRY	MOIST	WET	
EVERGREEN	<i>Ilex glabra</i>	Inkberry Holly	X	X	X	X	X		
	<i>Juniperus communis</i>	Juniper	X			X			
	<i>Kalmia angustifolia</i>	Sheep Laurel	X	X	X		X	X	
	<i>Kalmia latifolia</i>	Mountain Laurel	X	X	X	X	X	X	
	<i>(Myrica heterophylla)</i>	<i>Morella carolinensis</i>	Swamp Bayberry	X	X	X	X	X	X
		<i>Rhododendron maximum</i>	Rosebay Rhododendron		X	X		X	X
		<i>Taxus canadensis</i>	Canada Yew		X	X		X	
DECIDUOUS	<i>Alnus serrulata</i>	Hazel Alder	X				X	X	
	<i>(Photinia pyrifolia)</i>	<i>Aronia arbutifolia</i>	Red Chokeberry	X	X		X	X	X
	<i>(Photinia m.)</i>	<i>Aronia melanocarpa</i>	Black Chokeberry	X	X		X	X	X
		<i>Calycanthus floridus</i>	Sweetshrub	X	X	X		X	X
		<i>Ceanothus americanus</i>	New Jersey Tea	X	X		X		
		<i>Cephalanthus occidentalis</i>	Buttonbush	X	X	X		X	X
		<i>Clethra alnifolia</i>	Summersweet		X	X		X	X
		<i>Comptonia peregrina</i>	Sweetfern	X	X		X		
		<i>Cornus amomum</i>	Silky Dogwood	X	X			X	X
		<i>Cornus racemosa</i>	Gray Dogwood	X	X	X	X	X	
		<i>Cornus sericea</i>	Redosier Dogwood	X	X		X	X	X
		<i>Corylus americana</i>	American Hazelnut		X		X	X	
		<i>Dirca palustris</i>	Leatherwood		X	X	X	X	
		<i>Gaylussacia baccata</i>	Black Huckleberry		X	X	X	X	X
		<i>Gaylussacia frondosa</i>	Blue Huckleberry	X	X	X	X	X	X
		<i>Hydrangea arborescens</i>	Smooth Hydrangea		X	X		X	
		<i>Hypericum densiflorum</i>	St. Johnswort	X			X	X	X
		<i>Hypericum prolificum</i>	Shrubby St. Johnswort	X	X		X	X	
		<i>Ilex laevigata</i>	Smooth Winterberry	X	X			X	
		<i>Ilex verticillata</i>	Winterberry Holly	X	X			X	X
		<i>Itea virginica</i>	Virginia Sweetspire	X	X	X		X	X
		<i>Leucothoe racemosa</i>	Fetterbush		X	X		X	X
		<i>Lindera benzoin</i>	Spicebush		X	X		X	X
		<i>Myrica pensylvanica</i>	Northern Bayberry	X	X		X	X	X
		<i>Physocarpus opulifolius</i>	Ninebark	X	X			X	X
		<i>Potentilla fruticosa</i>	Cinquefoil	X	X		X	X	X
		<i>Prunus maritima</i>	Beach Plum	X	X		X	X	
		<i>Rhododendron arborescens</i>	Sweet Azalea	X	X			X	
		<i>Rhododendron atlanticum</i>	Coast Azalea		X	X		X	
		<i>Rhododendron calendulaceum</i>	Flame Azalea		X		X	X	
		<i>Rhododendron canadense</i>	Rhodora	X	X			X	X
		<i>Rhododendron canescens</i>	Piedmont Azalea		X			X	
		<i>Rhododendron periclymenoides</i>	Pinxterbloom Azalea	X	X	X	X	X	X
		<i>Rhododendron viscosum</i>	Swamp Azalea	X	X			X	X
		<i>Rhus aromatica</i>	Fragrant Sumac	X	X		X		
	<i>Rhus copallina</i>	Flameleaf Sumac	X	X		X			
	<i>Rhus glabra</i>	Smooth Sumac	X			X	X		

SHRUBS (cont'd)

DECIDUOUS (cont'd)			LIGHT			MOISTURE		
TYPE	BOTANICAL NAME	COMMON NAME	SUN	PART SHADE	SHADE	DRY	MOIST	WET
<i>(R. typhina)</i>	<i>Rhus hirta</i>	Staghorn Sumac	X			X	X	
	<i>Ribes americanum</i>	Black Currant	X	X		X	X	X
	<i>Ribes rotundifolium</i>	Eastern Gooseberry		X		X		
	<i>Rosa carolina</i>	Pasture Rose	X	X		X	X	
	<i>Rosa palustris</i>	Swamp Rose	X	X	X		X	X
	<i>Rubus odoratus</i>	Purple Flowering Raspberry	X	X	X		X	
	<i>Rubus strigosus</i>	American Red Raspberry	X	X		X	X	
	<i>Salix humilis</i>	Prairie Willow	X			X	X	X
<i>ssp. canadensis</i>	<i>Sambucus nigra</i>	Elderberry	X	X	X	X	X	X
	<i>Sambucus racemosa</i>	Red Elderberry			X	X	X	
	<i>Spiraea alba</i>	White Meadowsweet	X				X	
	<i>Spiraea tomentosa</i>	Steeplebush	X				X	X
	<i>Staphylea trifolia</i>	American Bladdernut			X		X	
	<i>Symphoricarpos albus</i>	Snowberry	X	X		X	X	
	<i>Symphoricarpos orbiculatus</i>	Coralberry	X	X		X	X	
	<i>Vaccinium angustifolium</i>	Lowbush Blueberry	X	X		X	X	
	<i>Vaccinium corymbosum</i>	Highbush Blueberry	X	X	X	X	X	X
	<i>Vaccinium pallidum</i>	Early Lowbush Blueberry	X	X		X	X	
	<i>Vaccinium stamineum</i>	Deerberry	X	X		X	X	
	<i>Viburnum acerifolium</i>	Mapleleaf Viburnum	X	X	X	X	X	
	<i>Viburnum dentatum</i>	Arrowwood Viburnum	X	X	X	X	X	X
	<i>Viburnum nudum</i>	Possumhaw Viburnum	X	X		X	X	X
	<i>Viburnum trilobum</i>	American Cranberrybush Vib.	X	X			X	
	<i>Yucca filamentosa</i>	Adam's Needle	X			X		

HERBACEOUS PLANTS

FERNS			LIGHT			MOISTURE		
TYPE	BOTANICAL NAME	COMMON NAME	SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Adiantum pedatum</i>	Maidenhair Fern		X	X		X	
	<i>Athyrium filixfemina</i>	Lady Fern		X			X	X
	<i>Dennstaedtia punctilobula</i>	Hay-Scented Fern	X	X		X	X	
	<i>Dryopteris carthusiana</i>	Spinulose Woodfern		X	X		X	X
	<i>Dryopteris cristata</i>	Crested Wood Fern	X	X	X		X	X
	<i>Dryopteris intermedia</i>	Evergreen Woodfern		X	X	X	X	X
	<i>Dryopteris marginalis</i>	Marginal Woodfern		X	X	X	X	
	<i>Onoclea sensibilis</i>	Sensitive Fern	X	X	X		X	X
	<i>Osmunda cinnamomea</i>	Cinnamon Fern	X	X	X		X	X
	<i>Osmunda claytoniana</i>	Interrupted Fern		X	X		X	
	<i>Osmunda regalis</i>	Royal Fern	X	X	X		X	X
	<i>Polystichum acrostichoides</i>	Christmas Fern		X	X		X	
	<i>Pteridium aquilinum</i>	Bracken Fern	X	X		X	X	X
	<i>Thelypteris noveboracensis</i>	New York Fern		X	X		X	X
	<i>Thelypteris palustris</i>	Marsh Fern	X	X			X	X
	<i>Woodwardia areolata</i>	Netted Chain Fern		X	X		X	X

GRASSES			LIGHT			MOISTURE		
TYPE	BOTANICAL NAME	COMMON NAME	SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Agrostis perennans</i>	Autumn Bentgrass	X	X	X	X	X	X
	<i>Andropogon gerardii</i>	Big Bluestem	X	X		X	X	X
	<i>Andropogon glomeratus</i>	Bushy Bluestem	X	X			X	X
	<i>Andropogon virginicus</i>	Broomsedge	X			X	X	X
	<i>Carex crinita</i>	Long Hair Sedge	X	X			X	X
	<i>Carex glaucoidea</i>	Blue Wood Sedge		X	X	X	X	
	<i>Carex lurida</i>	Sallow Sedge	X	X				X
	<i>Carex pensylvanica</i>	Pennsylvania Sedge		X	X	X	X	
	<i>Carex platyphylla</i>	Broadleaf Sedge		X	X	X	X	
	<i>Carex stricta</i>	Tussock Sedge	X				X	X
	<i>Carex vulpinoidea</i>	Fox Sedge	X	X				X
	<i>Chasmanthium latifolium</i>	Northern Sea Oats	X	X		X	X	
	<i>Danthonia spicata</i>	Poverty Oatgrass	X	X	X	X	X	
	<i>Dichanthelium clandestinum</i>	Deer-Tongue	X	X		X	X	X
	<i>Dichanthelium commutatum</i>	Variable Panicgrass		X	X	X	X	
	<i>Elymus hystrix</i>	Bottlebrush Grass	X	X	X		X	
	<i>Elymus riparius</i>	Riverbank Wild Rye	X	X		X	X	X
	<i>Elymus virginicus</i>	Virginia Wild Rye		X	X	X	X	
	<i>Leersia oryzoides</i>	Rice Cutgrass	X	X			X	X
	<i>Panicum amarum</i>	Bitter Panic Grass	X			X	X	
	<i>Panicum virgatum</i>	Switchgrass	X	X		X	X	X
(<i>Andropogon scoparium</i>)	<i>Schizachyrium scoparium</i>	Little Bluestem	X			X		
	<i>Sorghastrum nutans</i>	Indiangrass	X			X	X	

HERBACEOUS PLANTS (cont'd)

GROUNDCOVER			LIGHT			MOISTURE		
TYPE	BOTANICAL NAME	COMMON NAME	SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Gaultheria procumbens</i>	Wintergreen		X	X	X	X	X
	<i>Mitchella repens</i>	Partridgeberry		X	X	X	X	
	<i>Pachysandra procumbens</i>	Allegheny Spurge		X	X	X	X	
	<i>Rhus aromatic 'Gro Low'</i>	Gro Low Sumac	X	X		X	X	
	<i>Vaccinium macrocarpon</i>	Cranberry	X	X				X

VINES			LIGHT			MOISTURE		
TYPE	BOTANICAL NAME	COMMON NAME	SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Aristolochia macrophylla</i>	Dutchman's Pipe	X	X			X	
	<i>Bignonia capreolata</i>	Crossvine	X	X		X	X	X
	<i>Campsis radicans</i>	Trumpet Vine	X	X		X	X	
	<i>Celastrus scandens</i>	American Bittersweet	X	X	X	X	X	
	<i>Clematis viorna</i>	Leather Flower		X	X	X	X	
	<i>Clematis virginiana</i>	Virgin's Bower	X	X	X	X	X	
	<i>Lonicera sempervirens</i>	Trumpet Honeysuckle	X	X		X	X	
	<i>Mikania scandens</i>	Climbing Hempvine		X			X	X
	<i>Parthenocissus quinquefolia</i>	Virginia Creeper	X	X	X	X	X	X
	<i>Passiflora incarnata</i>	Passionflower	X			X	X	
	<i>Smilax herbacea</i>	Smooth Carrionflower		X			X	
	<i>Wisteria frutescens</i>	American Wisteria	X	X			X	X

HERBACEOUS PERENNIALS

TYPE	BOTANICAL NAME	COMMON NAME	LIGHT			MOISTURE		
			SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Actaea pachypoda</i>	Doll's Eyes		X	X		X	
	<i>Agalinis purpurea</i>	Purple False Foxglove	X				X	X
(<i>Eupatorium rugosum</i>)	<i>Ageratina altissima</i>	White Snakeroot	X	X	X	X	X	
	<i>Anemone canadensis</i>	Canadian Anemone	X	X			X	
	<i>Anemone virginiana</i>	Thimbleweed	X	X		X	X	
	<i>Antennaria neglecta</i>	Field Pussytoes	X	X		X	X	
	<i>Aquilegia canadensis</i>	Eastern Columbine	X	X		X	X	
	<i>Aralia nudicaulis</i>	Wild Sarsaparilla		X	X	X	X	
	<i>Aralia racemosa</i>	Spikenard		X	X		X	
	<i>Arisaema triphyllum</i>	Jack-in-the-pulpit		X	X		X	X
	<i>Asarum canadense</i>	Wild Ginger		X	X		X	
	<i>Asclepias incarnata</i>	Swamp Milkweed	X	X			X	X
	<i>Asclepias syriaca</i>	Common Milkweed	X			X		
	<i>Asclepias tuberosa</i>	Butterfly Milkweed	X	X		X	X	
	<i>Baptisia australis</i>	Wild Blue Indigo	X	X		X	X	
	<i>Baptisia tinctoria</i>	Yellow Wild Indigo	X	X		X		
	<i>Bidens cernua</i>	Nodding Beggar-Ticks	X	X		X	X	
	<i>Boltonia asteroides</i>	Star Boltonia	X	X		X	X	X
	<i>Caltha palustris</i>	Marsh Marigold	X	X				X
	<i>Campanulastrum americanum</i>	American Bellflower		X	X		X	
	<i>Cardamine concatenata</i>	Toothwort			X		X	
	<i>Caulophyllum thalictroides</i>	Blue Cohosh	X	X			X	
	<i>Chamaecrista fasciculata</i>	Partridge Pea	X			X		
	<i>Chelone glabra</i>	White Turtlehead	X	X			X	X
	<i>Chimaphila maculata</i>	Striped Wintergreen		X	X	X		
	<i>Chrysogonum virginianum</i>	Green-and-Gold	X	X	X	X	X	
	<i>Chrysopsis mariana</i>	Golden Aster	X	X		X		
	<i>Cimicifuga racemosa</i>	Black Snakeroot		X	X		X	
	<i>Claytonia virginica</i>	Spring Beauty			X		X	
	<i>Coreopsis tripteris</i>	Tall Coreopsis	X	X		X	X	
	<i>Coreopsis verticillata</i>	Threadleaf Coreopsis	X	X		X	X	
	<i>Delphinium tricornis</i>	Dwarf Larkspur		X	X		X	
	<i>Desmodium paniculatum</i>	Narrow-Leaf Trefoil	X	X		X		
	<i>Dicentra canadensis</i>	Squirrel Corn		X	X		X	
	<i>Dicentra cucullaria</i>	Dutchman's Breeches		X	X		X	
	<i>Dicentra eximia</i>	Bleeding Heart		X	X	X	X	
	<i>Dodecatheon meadia</i>	Shooting Star	X	X	X		X	
(<i>Aster u.</i>)	<i>Doellingeria umbellatus</i>	Flat-top White Aster	X	X			X	X
	<i>Erigeron pulchellus</i>	Robin's Plantain		X		X	X	
	<i>Erythronium americanum</i>	Trout Lily		X	X		X	X
	<i>Eupatorium dubium</i>	Joe-Pye Weed	X	X			X	X
	<i>Eupatorium fistulosum</i>	Trumpet Weed	X	X		X	X	X
	<i>Eupatorium hyssopifolium</i>	Hyssop-Leaved Thoroughwort	X	X		X	X	

HERBACEOUS PERENNIALS (cont'd)

TYPE	BOTANICAL NAME	COMMON NAME	LIGHT			MOISTURE		
			SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Eupatorium maculatum</i>	Spotted Joe-Pye Weed	x	x			x	
	<i>Eupatorium perfoliatum</i>	Common Boneset	x	x	x		x	x
	<i>Eupatorium purpureum</i>	Green-Stemmed Joe-Pye Weed	x	x		x	x	
	<i>Eurybia divaricata</i>	White Wood Aster		x	x	x	x	
	<i>Gentiana clausa</i>	Closed Gentian		x			x	x
	<i>Geranium maculatum</i>	Wild Geranium	x	x		x	x	
	<i>Goodyera pubescens</i>	Downy Rattlesnake Plantain		x		x	x	
	<i>Helenium autumnale</i>	Sneezeweed	x	x	x		x	
	<i>Helianthus angustifolius</i>	Swamp Sunflower	x				x	x
	<i>Helianthus decapetalus</i>	Ten-Petaled Sunflower	x	x			x	
	<i>Helianthus divaricatus</i>	Woodland Sunflower		x		x	x	
	<i>Heliopsis helianthoides</i>	Oxeye Sunflower	x	x		x	x	
	<i>Hepatica nobilis</i> var. <i>acuta</i>	Sharp-Lobed Hepatica		x	x	x	x	
	<i>Hepatica nobilis</i> var. <i>obtusa</i>	Round-Lobed Hepatica		x	x	x	x	
	<i>Heracleum maximum</i>	Cow Parsnip	x				x	x
	<i>Heuchera americana</i>	Alumroot		x	x	x	x	
	<i>Heuchera villosa</i>	Hairy Heuchera		x	x	x	x	
	<i>Houstonia caerulea</i>	Bluet	x	x			x	
	<i>Hydrophyllum virginianum</i>	Virginia Waterleaf		x	x		x	
(<i>Sedum telephiodes</i>)	<i>Hylotelephium telephiodes</i>	Allegheny Stonecrop	x	x	x	x		
	<i>Impatiens capensis</i>	Jewelweed		x	x		x	x
	<i>Ionactis linarifolius</i>	Stiff-Leaf Aster	x			x	x	
	<i>Jeffersonia diphylla</i>	Twinleaf		x	x		x	
	<i>Lespedeza capitata</i>	Round-Head Bush Clover	x			x		
	<i>Liatris pilosa</i>	Grass-Leaf Blazingstar	x	x		x	x	
	<i>Liatris scariosa</i>	Eastern Blazing Star	x	x		x	x	
	<i>Liatris spicata</i>	Blazingstar	x	x		x	x	
	<i>Liatris squarrosa</i>	Plains Blazing Star	x	x			x	
	<i>Lilium canadense</i>	Canada Lily	x	x			x	x
	<i>Lilium philadelphicum</i>	Wood Lily	x	x		x		
	<i>Lilium superbum</i>	Turk's Cap Lily	x	x			x	x
	<i>Limonium carolinianum</i>	Sea Lavender	x				x	x
	<i>Lobelia cardinalis</i>	Cardinal Flower	x	x			x	x
	<i>Lobelia siphilitica</i>	Great Blue Lobelia	x	x	x		x	x
	<i>Lupinus perennis</i>	Lupine	x	x		x	x	
	<i>Maianthemum canadense</i>	Canada Mayflower		x	x		x	
	<i>Maianthemum racemosum</i>	False Solomon's Seal		x	x		x	
	<i>Medeola virginiana</i>	Indian Cucumber	x	x			x	
	<i>Melanthium virginicum</i>	Virginia Bunchflower	x	x			x	
	<i>Mertensia virginica</i>	Virginia Bluebells		x	x		x	x
	<i>Mimulus ringens</i>	Monkeyflower	x	x				x
	<i>Mitella diphylla</i>	Twoleaf Miterwort		x	x		x	
	<i>Monarda bradburiana</i>	Wild Bergamot	x	x		x	x	
	<i>Monarda didyma</i>	Beebalm	x	x			x	x
	<i>Monarda punctata</i>	Horsemint	x			x		

HERBACEOUS PERENNIALS (cont'd)

TYPE	BOTANICAL NAME	COMMON NAME	LIGHT			MOISTURE		
			SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Oenothera biennis</i>	Common Evening Primrose	x	x		x		
	<i>Oenothera fruticosa</i>	Narrow-Leaved Sundrops	x	x		x	x	
	<i>Oenothera perennis</i>	Sundrops	x			x	x	
	<i>Opuntia humifusa</i>	Eastern Prickly Pear Cactus	x			x		
	<i>Osmorhiza longistylis</i>	Sweet Ciceley		x	x		x	
	<i>Oxalis violacea</i>	Violet Wood Sorrel		x	x	x	x	
(Senecio aureus)	<i>Packera aurea</i>	Golden Ragwort	x	x	x	x	x	
	<i>Penstemon laevigatus</i>	Smooth Beardtongue	x	x	x		x	
	<i>Phlox carolina</i>	Thick-Leaved Phlox	x	x		x	x	x
	<i>Phlox divaricata</i>	Woodland Blue Phlox		x	x		x	
	<i>Phlox maculata</i>	Phlox	x	x	x		x	x
	<i>Phlox paniculata</i>	Summer Phlox	x	x			x	
	<i>Phlox stolonifera</i>	Creeping Phlox		x	x	x	x	
	<i>Phlox subulata</i>	Moss Phlox	x			x		
	<i>Physostegia virginiana</i>	Obedient Plant	x	x		x	x	
	<i>Podophyllum peltatum</i>	Mayapple		x	x		x	
	<i>Polemonium reptans</i>	Jacob's Ladder		x	x		x	
	<i>Polygonatum biflorum</i>	Smooth Solomon's Seal		x	x	x	x	
	<i>Polygonatum pubescens</i>	Solomon's Seal	x	x	x	x	x	
	<i>Porteranthus trifolius</i>	Bowman's Root	x	x			x	
	<i>Pycnanthemum icanum</i>	Hoary Mountain Mint			x	x		
	<i>Pycnanthemum tenuifolium</i>	Narrow-Leaved Mountain Mint	x	x		x	x	
	<i>Rhexia virginica</i>	Virginia Meadowbeauty	x					x
	<i>Rudbeckia fulgida</i>	Orange Coneflower	x	x		x	x	
	<i>Rudbeckia hirta</i>	Black-Eyed Susan	x	x		x	x	
	<i>Rudbeckia laciniata</i>	Green-Headed Coneflower	x	x			x	x
	<i>Rudbeckia triloba</i>	Three-Lobed Coneflower	x	x		x	x	
	<i>Ruellia caroliniensis</i>	Carolina Wild Petunia	x	x			x	
	<i>Sabatia angularis</i>	Rose Pink	x	x			x	
	<i>Salvia lyrata</i>	Lyre-Leaf Sage	x	x		x	x	
	<i>Sanguinaria canadensis</i>	Bloodroot			x		x	
	<i>Saxifraga pensylvanica</i>	Eastern Swamp Saxifrage	x	x				x
	<i>Saxifraga virginensis</i>	Early Saxifrage	x	x	x	x	x	
	<i>Scutellaria integrifolia</i>	Hyssop Skullcap	x	x		x	x	x
	<i>Sedum ternatum</i>	Mountain Stonecrop		x	x		x	
	<i>Senna marilandica</i>	Southern Wild Senna	x	x		x	x	
	<i>Silene caroliniana</i>	Wild Pink	x	x		x	x	
	<i>Silene stellata</i>	Starry Champion	x	x		x	x	
	<i>Silene virginica</i>	Fire Pink	x	x		x	x	
	<i>Silphium perfoliatum</i>	Cup Plant	x	x	x	x	x	
	<i>Sisyrinchium atlanticum</i>	Coastal Blue-Eyed Grass	x				x	x
	<i>Solidago caesia</i>	Bluestem Goldenrod	x	x	x	x	x	
	<i>Solidago flexicaulis</i>	Broad Leaf Goldenrod		x	x	x	x	
	<i>Solidago juncea</i>	Early Goldenrod	x			x	x	
	<i>Solidago nemoralis</i>	Gray Goldenrod	x	x		x		

HERBACEOUS PERENNIALS (cont'd)

TYPE	BOTANICAL NAME	COMMON NAME	LIGHT			MOISTURE		
			SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Solidago odora</i>	Sweet Goldenrod	X	X		X	X	
	<i>Solidago rugosa</i>	Wrinkle-Leaf Goldenrod	X	X			X	X
	<i>Solidago sempervirens</i>	Seaside Goldenrod	X	X		X	X	
	<i>Solidago speciosa</i>	Showy Goldenrod	X	X		X	X	
	<i>Spiranthes cernua</i>	Nodding Ladies' Tresses	X	X			X	X
	<i>Stachys tenuifolia</i>	Hedge Nettle	X	X	X		X	X
(<i>Aster c.</i>)	<i>Symphytotrichum cordifolium</i>	Heart-Leaved Aster		X	X	X	X	
(<i>Aster e.</i>)	<i>Symphytotrichum ericoides</i>	White Heath Aster	X	X		X	X	
(<i>Aster l.</i>)	<i>Symphytotrichum laevis</i>	Smooth Blue Aster	X	X		X		
(<i>Aster n.</i>)	<i>Symphytotrichum novae-angliae</i>	New England Aster	X	X			X	
(<i>Aster n.</i>)	<i>Symphytotrichum novi-belgii</i>	New York Aster	X	X			X	X
	<i>Symplocarpus foetidus</i>	Skunk Cabbage		X	X			X
	<i>Thalictrum dioicum</i>	Early Meadow Rue			X		X	
	<i>Thalictrum pubescens</i>	Tall Meadow Rue	X	X	X		X	X
	<i>Thalictrum thalictroides</i>	Rue Anemone		X	X	X	X	
	<i>Tiarella cordifolia</i>	Foamflower	X	X	X		X	
	<i>Tradescantia virginiana</i>	Virginia Spiderwort	X	X	X		X	
	<i>Trillium erectum</i>	Red Trillium			X		X	
	<i>Trillium grandiflorum</i>	White Trillium			X		X	
	<i>Trillium sessile</i>	Toadshade		X	X		X	
	<i>Trillium undulatum</i>	Painted Trillium	X	X	X		X	
	<i>Uvularia grandiflora</i>	Large-flowered Bellwort			X		X	
	<i>Uvularia perfoliata</i>	Perfoliate Bellwort	X	X			X	
	<i>Uvularia sessilifolia</i>	Straw Lily	X	X	X	X	X	
	<i>Veratrum viride</i>	Green False Hellebore	X	X	X		X	X
	<i>Verbena hastata</i>	Blue Vervain	X	X			X	X
	<i>Verbesina alternifolia</i>	Wingstem	X				X	
	<i>Vernonia noveboracensis</i>	New York Ironweed	X	X			X	X
	<i>Veronicastrum virginicum</i>	Culver's Root	X	X			X	X
	<i>Viola conspersa</i>	American Dog Violet	X	X	X		X	X
	<i>Viola cucullata</i>	Marsh Blue Violet		X	X		X	X
	<i>Viola pedata</i>	Bird's Foot Violet	X	X		X	X	
	<i>Viola pubescens</i>	Yellow Violet		X	X		X	
	<i>Viola sororia</i>	Common Blue Violet	X	X	X		X	
	<i>Viola striata</i>	Striped Cream Violet		X			X	X
	<i>Zizia aurea</i>	Golden Alexanders	X	X	X	X	X	

HERBACEOUS EMERGENTS

TYPE	BOTANICAL NAME	COMMON NAME	LIGHT			MOISTURE		
			SUN	PART SHADE	SHADE	DRY	MOIST	WET
	<i>Distichlis spicata</i>	Saltgrass	X				X	X
	<i>Dulichium arundinaceum</i>	Three-Sided Sedge	X	X				X
	<i>Hibiscus moscheutos</i>	Rose Mallow	X	X			X	X
	<i>Iris prismatica</i>	Slender Blueflag	X	X			X	X
	<i>Iris versicolor</i>	Blue Flag	X	X			X	X
	<i>Iris virginica</i>	Virginia Blue Flag	X	X				X
	<i>Juncus canadensis</i>	Canada Rush	X	X			X	X
	<i>Juncus effusus</i>	Soft Rush	X	X			X	X
	<i>Justicia americana</i>	American Water-Willow	X					X
(<i>N. advena</i>)	<i>Nuphar lutea</i>	Spatterdock	X	X				X
	<i>Pontederia cordata</i>	Pickerelweed	X	X				X
	<i>Sagittaria latifolia</i>	Arrowhead	X	X				X
	<i>Saururus cernuus</i>	Lizard's Tail	X	X				X
(<i>Scirpus validus</i>)	<i>Schoenoplectus validus</i>	Great Bulrush	X					X
	<i>Scirpus atrovirens</i>	Green Bulrush	X					X
	<i>Scirpus cyperinus</i>	Woolgrass	X				X	X
	<i>Sparganium americanum</i>	American Bur-reed	X	X				X

* Cultivars are acceptable upon approval of the Township's plant expert (Registered Landscape Architect, Certified Arborist).

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