

Appendix A: Plant Materials List

SECTION A-1. DECIDUOUS CANOPY TREES

Required canopy tree plantings shall be selected from the below list or a species hardy to the area. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
	<i>Acer campestre</i>	Hedge Maple
	<i>Acer ginnala</i>	Amur Maple
+	<i>Acer negundo</i>	Box Elder
	<i>Acer palmatum</i>	Japanese Maple
+	<i>Acer rubrum</i>	Red Maple
+	<i>Acer saccharum</i>	Sugar Maple
+	<i>Betula lenta</i>	Black Birch
+	<i>Betula nigra</i>	River Birch
	<i>Carpinus betulus</i>	European Hornbeam
+	<i>Carya ovata</i>	Shagbark Hickory
	<i>Crataegus phaenopyrum treeform</i>	Washington Hawthorn
	<i>Crataegus viridis 'Winter King'</i>	Winter King Hawthorn
+	<i>Fagus grandifolia</i>	American Beech
	<i>Fagus sylvatica</i>	European Beech
+	<i>Fraxinus americana</i>	White Ash
+	<i>Fraxinus pennsylvanica</i>	Green Ash
	<i>Ginkgo biloba</i>	Ginkgo (male only)
	<i>Larix kaempferi</i>	Japanese Larch
+	<i>Liquidambar styraciflua</i>	Sweet Gum
+	<i>Liriodendron tulipifera</i>	Tulip Tree, Yellow Poplar
	<i>Metasequoia glyptostroboides</i>	Dawn Redwood
+	<i>Nyssa Sylvatica</i>	Black Gum, Sourgum
+	<i>Ostrya virginiana</i>	American Hophornbeam
	<i>Phellodendron amurense</i>	Amur Cork Tree (male only)
	<i>Platanus acerifolia</i>	London Planetree
+	<i>Platanus occidentalis</i>	American Sycamore
+	<i>Quercus alba</i>	White Oak
	<i>Quercus coccinea</i>	Scarlet Oak
	<i>Quercus palustris</i>	Pin Oak
	<i>Quercus phellos</i>	Willow Oak
+	<i>Quercus rubra</i>	Red Oak
+	<i>Sassafras albidum</i>	Sassafras
	<i>Sophora japonica</i>	Japanese Pagodatree
	<i>Tilia americana 'Redmond'</i>	Redmond Linden
	<i>Tilia cordata 'Chancellor'</i>	Chancellor Linden
	<i>Zelkova serrata</i>	Japanese Zelkova

SECTION A-2. DECIDUOUS/FLOWERING TREES

Required flowering tree plantings shall be selected from the below list or a species hardy to the area. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
+	<i>Amelanchier canadensis</i>	Shadblow Serviceberry
+	<i>Cercis canadensis</i>	Eastern Redbud
+	<i>Chioanthus virginicus</i>	Fringetree
+	<i>Cornus florida</i>	Flowering Dogwood
	<i>Cornus kousa</i>	Kousa Dogwood
	<i>Cornus mas</i>	Cornelian Cherry
	<i>Crataegus species</i>	Any Hawthorn species
	<i>Halesia carolina</i>	Carolina Silverbell
	<i>Koelreuteria paniculata</i>	Golden Rain Tree
	<i>Magnolia soulangeana</i>	Saucer Magnolia
	<i>Magnolia virginiana</i>	Sweetbay Magnolia
	<i>Malus species</i>	Any Crabapple species
	<i>Oxydendrum arboreum</i>	Sourwood, Sorrel Tree
	<i>Prunus cerasifera</i>	Purpleleaf Flowering Plum
	<i>Prunus kwanzan</i>	Kwanzan Cherry
	<i>Prunus sargentii</i>	Sargent Cherry
	<i>Prunus serrulata</i> 'Kwanzan'	Kwanzan Cherry
	<i>Prunus subhirtella</i> var. <i>pendula</i>	Weeping Higan Cherry
	<i>Pyrus calleryana</i> 'Aristocrat'	Aristocrat Pear
	<i>Pyrus calleryana</i> 'Capital'	Capital Pear
	<i>Pyrus calleryana</i> 'Redspire'	Redspire Pear
	<i>Pyrus calleryana</i> 'Whitehouse'	Whitehouse Pear
	<i>Stewartia koreana</i>	Korean Stewartia
+	<i>Viburnum prunifolium</i>	Blackhaw Viburnum

SECTION A-3 EVERGREEN TREES

Required evergreen tree plantings shall be selected from the below list or a species hardy to the area. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
	<i>Abies concolor</i>	Concolor Fir
+	<i>Ilex opaca</i>	American Holly
+	<i>Juniperus virginiana</i>	Eastern Redcedar
+	<i>Kalmia latifolia</i>	Mountain Laurel
	<i>Picea abies</i>	Norway Spruce
	<i>Picea omorika</i>	Serbian Spruce
	<i>Pinus nigra</i>	Australian Pine
+	<i>Pinus strobus</i>	White Pine
	<i>Pseudotsuga menziesii</i>	Douglas Fir

	Botanical Name	Common Name
	<i>Taxus baccata</i>	English Yew
	<i>Taxus cuspidata</i>	Japanese Yew
+	<i>Tsugas canadensis</i>	Hemlock

SECTION A-4. SHRUBS

Required shrubs shall be selected from the below list or a species hardy to the area. Shrubs marked with a (+) before their botanical name are native species and the use of these shrubs is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
	<i>Hamamelis vernalis</i>	Vernal Witch Hazel
+	<i>Hamamelis virginiana</i>	Common Witch Hazel
+	<i>Ilex glabra</i>	Inkberry
+	<i>Ilex verticillata</i>	Winterberry
+	<i>Kalmia latifolia</i>	Mountain Laurel
+	<i>Myrica pennsylvanica</i>	Bayberry
	<i>Pyracantha coccinea 'lalandi'</i>	Laland Firethorn
	<i>Rhamnus frangula</i>	Glossy Buckthorn
	<i>Taxus cuspidata 'capitata'</i>	Upright Yew
	<i>Taxus x media 'hicksii'</i>	Hicks Yew
+	<i>Viburnum dentatum</i>	Arrowwood Viburnum
	<i>Viburnum lantana</i>	Wayfaring Tree Viburnum
+	<i>Viburnum trilobum</i>	Highbush Cranberry

SECTION A-5 STREET/URBAN TREES

Required trees shall be selected from the below list or a species hardy to the area. Shrubs marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Trees included on the following list tolerate urban conditions such as salt, drought, and soil compaction. The mature height is included for consideration in applications where overhead wiring is located. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name	Mature Height
+	<i>Acer rubrum</i>	Red Maple	75-100 feet
+	<i>Acer saccharum</i>	Sugar Maple	75-100 feet
	<i>Crataegus crusgalli</i>	Cockspur Hawthorne	20-35 feet
+	<i>Fraxinus americana</i>	White Ash	75-100 feet
+	<i>Fraxinus pennsylvanica</i>	Green Ash	75-100 feet
+	<i>Juniperous virginiana</i>	Eastern Red Cedar	50-75 feet
+	<i>Liquidambar styraciflua</i>	American Sweetgum	75-100 feet
+	<i>Nyssa silvatica</i>	Blackgum	50-75 feet
+	<i>Ostrya virginiana</i>	American Hophornbeam	35-50 feet
	<i>Oxydendrum arboreum</i>	Sourwood, Sorrel Tree	35-50 feet
+	<i>Quercus alba</i>	White Oak	50-100 feet
	<i>Quercus coccinea</i>	Scarlet Oak	50-90 feet
+	<i>Sassafras albidum</i>	Common Sassafras	35-50 feet

SECTION A-6 STREET/URBAN SHRUBS

Required shrubs shall be selected from the below list or a species hardy to the area. Shrubs marked with a (+) before their botanical name are native species and the use of these shrubs is encouraged. Shrubs included on the following list tolerate urban conditions such as salt, drought, and soil compaction. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
+	<i>Ilex glabra</i>	Inkberry
+	<i>Juniperous communis</i>	Common Juniper
+	<i>Kalmia latifolia</i>	Mountain Laurel
+	<i>Myrica pennsylvanica</i>	Bayberry
+	<i>Viburnum dentatum</i>	Arrowwood Viburnum

SECTION A-7. RIPARIAN BUFFER TREES AND SHRUBS

A. **Deciduous Trees and Shrubs.** Required tree and shrub plantings shall be selected from the following list or a species hardy to the area, attractive to wildlife species (mast production), and appropriate to the use. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged. Additional cultivars and/or hybrids may be available for the following species that are appropriate for the specified use, as approved by the Board of Supervisors.

	Botanical Name	Common Name
+	<i>Acer rubrum</i>	Red Maple
	<i>Alnus rugosa</i>	Speckled Alder
	<i>Amelanchier arborea</i>	Shadbush
	<i>Amelanchier laevis</i>	Alleghany Serviceberry
	<i>Betula lutea</i>	Yellow Birch
	<i>Betula nigra</i>	Black Birch
	<i>Carya cordiformis</i>	Bitternut Hickory
	<i>Carya glabra</i>	Pignut Hickory
	<i>Carya ovata</i>	Shagbark Hickory
	<i>Cornus alternifolia</i>	Alternate-Leaved Dogwood
	<i>Cornus amomum</i>	Silky Dogwood
+	<i>Cornus florida</i>	Florida Dogwood
	<i>Cornus stolonifera</i>	Redosier Dogwood
	<i>Fagus grandifolia</i>	American Beech
	<i>Juglans nigra</i>	Black Walnut
	<i>Prunus avium</i>	Sweet Cherry
	<i>Prunus pennsylvanica</i>	Pin Cherry
	<i>Prunus serotina</i>	Black Cherry
	<i>Prunus virginiana</i>	Choke Cherry
	<i>Rhus glabra</i>	Smooth Sumac
	<i>Rhus typhina</i>	Staghorn Sumac
	<i>Quercus alba</i>	White Oak
	<i>Quercus bicolor</i>	Swamp White Oak
	<i>Quercus muehlenburgii</i>	Chinquapin Oak
	<i>Quercus palustris</i>	Pin Oak

Botanical Name	Common Name
<i>Quercus prinus</i>	Chestnut Oak
<i>Quercus rubra</i>	Northern Red Oak
<i>Quercus velutina</i>	Black Oak

- B. **Evergreen (Conifers) Trees and Shrubs.** Required canopy tree plantings shall be selected from the following list or a species hardy to the area and appropriate to the use. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged.

Botanical Name	Common Name
+ <i>Tsuga Canadensis</i>	Eastern Hemlock
+ <i>Pinus strobus</i>	Eastern White Pine
<i>Pinus rigida</i>	Pitch Pine
+ <i>Juniperous virginiana</i>	Eastern Red Cedar
<i>Pinus Sylvestris</i>	Scotch Pine

- C. **Forbs and Grasses (Warm Season).** Required canopy tree plantings shall be selected from the following list or a species hardy to the area and appropriate to the use. Trees marked with a (+) before their botanical name are native species and the use of these trees is encouraged.

Botanical Name	Common Name (Forbs)
<i>Aster novea angliae</i>	New England Aster
<i>Bernonia noveboracensis</i>	New York Ironweed
<i>Cassia fasciculata</i>	Partridge Pea
<i>Coreopsis lanceolata</i>	Lanceleaf Coreopsis
<i>Echinacea purpurea</i>	Purple Cone Flower
<i>Heliopsis helianthoides</i>	Ox-eye Sunflower
<i>Rudbeckia hirta</i>	Blackeyed Susan
<i>Verbena hastata</i>	Blue Vervain
<i>Andropogon gerardii</i>	Big Bluestem
<i>Panicum virgatum</i>	Switchgrass
<i>Schizachyrium scoparius</i> or <i>Andropogon scoparius</i>	Little Bluestem
<i>Sorghastrum nutans</i>	Indiangrass
<i>Tripsacum dactyloides</i>	Eastern gamagrass

SECTION A-8. INVASIVE OR NOXIOUS SPECIES

A species that has become a weed pest, a plant which grows aggressively, spreads, and displaces other plants. Invasive plants tend to appear on disturbed ground, and the most aggressive can actually invade existing ecosystems. Invasive plants are generally undesirable because they are difficult to control, can escape from cultivation, and can dominate whole areas. In short, invasive plant infestations can be extremely expensive to control, as well as environmentally destructive. They can be native or exotic species.

The species below are the most serious threats or worst offenders to our native ecosystems. Many have been designated as "Noxious weeds" by the PA Department of Agriculture and are also a major concern to our agricultural community.

Botanical Name	Common Name	Plant Form
<i>Acer platanoides</i>	Norway Maple	Tree
<i>Ailanthus altissima</i>	Tree-of-Heaven	Tree
<i>Alliaria petiolata</i>	Garlic Mustard	Flower
<i>Carduus nutans</i>	Musk Thistle	Flower
<i>Celastrus orbiculatus</i>	Oriental Bittersweet	Vine
<i>Cirsium arvense</i>	Canada Thistle	Flower
<i>Cirsium vulgare</i>	Bull Thistle	Flower
<i>Datura stramonium</i>	Jimsonweed	Flower
<i>Elaeagnus umbellata</i>	Autumn Olive	Shrub
<i>Galega officinalis</i>	Goatsrue	Flower
<i>Heracleum mantegazzianum</i>	Giant Hogweed	Flower
<i>Lonicera japonica</i>	Japanese Honeysuckle	Vine
<i>Lonicera maakii</i>	Amur Honeysuckle	Shrub
<i>Lonicera morrowii</i>	Morrow's Honeysuckle	Shrub
<i>Lonicera standishii</i>	Standish Honeysuckle	Shrub
<i>Lonicera tatarica</i>	Tartarian Honeysuckle	Shrub
<i>Lythrum salicaria, L. virgatum</i>	Purple Loosestrife	Flower
<i>Microstegium vimineum</i>	Japanese Stilt Grass	Grass
<i>Phragmites australis</i>	Common Reed	Grass
<i>Polygonum (Falopia) cuspidatum</i>	Japanese Knotweed	Flower
<i>Polygonum perforiatum</i>	Mile-A-Minute Weed	Vine
<i>Pueraria lobata</i>	Kudzu	Vine
<i>Rosa multiflora</i>	Multiflora Rose	Shrub
<i>Sorghum bicolor ssp. Drummondii</i>	Shattercane	Grass
<i>Sorghum halapense</i>	Johnson Grass	Grass

The following species are invasive plants that are known to invade our native plant communities and are deserving of our vigilance.

Botanical Name	Common Name	Plant Form
<i>Aegopodium podagraria</i>	Goutweed	Flower
<i>Berberis thunbergii</i>	Japanese Barberry	Shrub
<i>Berberis vulgaris</i>	European Barberry	Shrub
<i>Bromis tectorum</i>	Cheatgrass	Grass
<i>Elaeagnus angustifolia</i>	Russian Olive	Shrub
<i>Hesperis matronalis</i>	Dame's Rocket	Flower
<i>Ligustrum obtusifolium</i>	Border Privet	Shrub
<i>Ligustrum vulgare</i>	Common Privet	Shrub
<i>Lonicera morrowii x tatarica</i>	Bell's Honeysuckle	Shrub
<i>Myriophyllum spicatum</i>	Eurasian Water-Millfoil	Flower
<i>Ornithogallum nutans, umbellatum</i>	Star-of-Bethlehem	Flower
<i>Pastinaca sativa</i>	Wild Parsnip	Flower
<i>Perilla frutescens</i>	Beefsteak Plant	Flower
<i>Phalaris arundinacea</i>	Reed Canary Grass	Grass
<i>Ranunculus ficaria</i>	Lesser Celandine	Flower
<i>Rhamnus catharticus</i>	Common Buckthorn	Shrub
<i>Rhamnus frangula</i>	Glossy Buckthorn	Shrub
<i>Rubus phoenicolasius</i>	Wineberry	Shrub

Botanical Name	Common Name	Plant Form
<i>Ulmus pumila</i>	Siberian Elm	Tree
<i>Akebia quinata</i>	Fiveleaf Akebia	Vine
<i>Ampelopsis brevipedunculata</i>	Porcelain-Berry	Vine

The following species are considered invasive plants in the southeastern portion of Pennsylvania.

Botanical Name	Common Name	Plant Form
<i>Acer pseudoplatanus</i>	Sycamore Maple	Tree
<i>Miscanthus sinensis</i>	Maiden Grass	Grass
<i>Trapa natans</i>	Water Chestnut	Flower
<i>Euonymus alatus</i>	Winged Euonymous	Shrub
<i>Paulownia tomentosa</i>	Empress Tree	Tree
<i>Pyrus calleryana</i>	Callery Pear	Tree
<i>Spiraea japonica</i>	Japanese Spiraea	Shrub
<i>Viburnum opulus var. opulus</i>	Guelder Rose	Shrub

