

# UVA Preferred Planting List for Bioretention Facilities

This plant selection guide is meant to streamline the BMP design process for UVA projects by providing a distilled resource for recommended plant selection. Plants listed have exhibited long term success in existing UVA BMPs.

Designers should work with stakeholders, the design team, and parties responsible for maintenance to determine the desired aesthetic, maintenance capacity, and long-term functional needs of the design.

## Canopy Trees

Scientific Name	Common Name
<i>Acer Rubrum</i>	Red Maple*
<i>Betula nigra</i>	River birch
<i>Dryopteris marginalis</i>	Persimmon
<i>Liriodendron tulipifera</i>	Tulip tree
<i>Liquidambar styraciflua 'Hapdel'</i>	Sweetgum*
<i>Nyssa sylvatica</i>	Black Gum
<i>Platanus occidentalis</i>	Sycamore
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus coccinea</i>	Scarlet oak
<i>Quercus michauxii</i>	Swamp Chestnut Oak
<i>Taxodium distichum</i>	Baldcypress
<i>Ulmus americana</i>	American Elm**

\*\*Use only seedless cultivars

\*\*Use only Dutch Elm resistant cultivars

## Understory Trees

Scientific Name	Common Name
<i>Amelanchier aborea</i>	Downy Serviceberry
<i>Cercis canadensis</i>	Eastern Redbud
<i>Cornus florida</i>	Dogwood
<i>Juniperus virginiana</i>	Eastern Red Cedar
<i>Magnolia virginiana</i>	Sweetbay magnolia
<i>Prunus virginiana</i>	Common Chokeberry
<i>Viburnum prunifolium</i>	Black Haw

## Shrubs

Scientific Name	Common Name
<i>Clethra alnifolia</i>	Pepperbush
<i>Cornus amomum</i>	Silky Dogwood
<i>Cornus racemosa</i>	Grey Dogwood
<i>Cornus sericea</i>	Red osier dogwood
<i>Hypericum prolificum</i>	Shrubby St. John's Wort
<i>Ilex verticillata</i>	Red sprite Winterberry
<i>Lindera benzoin</i>	Spicebush
<i>Physocarpus opulifolius</i>	Ninebark
<i>Rhus aromatica</i>	Fragrant Sumac
<i>Rosa palustris</i>	Swamp Rose
<i>Vaccinium corymbosum</i>	Highberry Bluebush
<i>Viburnum dentatum</i>	Arrowwood Viburnum
<i>Viburnum nudum</i>	Possomhollow Viburnum
<i>Itea virginiana</i>	Virginia sweetspire

\*Planting plan should specify dwarf or superior shrub cultivars

## Flowering Perennials

Scientific Name	Common Name
<i>Andropogon gerardii</i>	Big Bluestem
<i>Andropogon virginicus</i>	Broomsedge
<i>Asclepias incarnata L. var. pulchra</i>	Swamp Milkweed
<i>Asclepias tuberosa</i>	Butterfly Milkweed
<i>Aureolaria virginica</i>	Downy Yellow False Foxglove
<i>Baptisia sphaerocarpa</i>	Yellow Wild Indigo
<i>Carex bromoides</i>	Brome Sedge
<i>Carex cherokeensis</i>	Cherokee Sedge
<i>Carex pensylvanica</i>	Pennsylvania Sedge
<i>Carex stricta</i>	Tussock Sedge
<i>Chasmanthium latifolium</i>	River Oats
<i>Conoclinium coelestinum</i>	Blue Mistflower
<i>Coreopsis tripteris</i>	Tall Coreopsis
<i>Dennstaedtia pentilobula</i>	Hay Scented Fern
<i>Deschampsia cespitosa</i>	Tufted Hair Grass
<i>Eragrostis spectabilis</i>	Purple Lovegrass
<i>Eupatoriadelphus fistulosus</i>	Joe Pye Weed
<i>Eurybia divaricata</i>	White Wood Aster
<i>Heliopsis helianthoides</i>	Oxeye
<i>Juncus effusus</i>	Soft Rush
<i>Juncus tenuis</i>	Path Rush
<i>Liatris pilosa</i>	Grass-leaf Blazing Star
<i>Monarda fistulosa</i>	Wild Bergamot
<i>Muhlenbergia capillaris</i>	Muhly Grass
<i>Packera aurea</i>	Golden Ragwort
<i>Polystichum acrostichoides</i>	Christmas Fern
<i>Rudbeckia hirta</i>	Black-eyed Susan
<i>Rudbeckia triloba</i>	Three Lobed Coneflower
<i>Schizachyrium scoparium</i>	Little Bluestem
<i>Solidago rugosa</i>	Rough Goldenrod
<i>Sorghastrum nutans</i>	Indiangrass
<i>Symphotrichum novae-angliae</i>	New England Aster
<i>Uvularia sessilifolia</i>	Wild Oats