

## Suitable Species for LID/Biofiltration Features

Plants are specified suitable for a region based upon local ecological conditions. If making amendments to the soil, plant selection should be made accordingly.

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In order to maximize the effectiveness of your biofiltration features, we suggest mixing warm and cool season plants for year-round biological activity.

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### Tree species for the biofiltration features

Botanical Name	Common Name	Size (large/Small)	Comments	Region Specific
Acacia smallii	Huisache	15'-25'		Austin, east to Houston and South to the Rio Grande Valley.
Acer negundo	Boxelder	35'-60' (Small/Medium)	Susceptible to wind and ice damage	Austin, San Antonio, Houston/Orange, DFW
Acer rubrum	Red Maple	40'-60'	Sun to Part Shade, Moist, slightly acidic soils, colorful fall foliage	Houston, Orange
Callicarpa americana	American Beautyberry	3'-6' Shrub	Part Shade, moist, rich soils, large understory shrub, naturally loose and graceful arching form. Branches laden with magenta purple berry clusters in the fall	All Sites except Corpus and Weslaco
Carya illinoensis	Pecan	70'-100'	Sun, rich, moist, well-drained soils, excellent nut and shade tree	DFW, Austin, SA, Waco, Corpus
Carpinus caroliniana	American hornbeam	12'-36'	Part Shade/Shade, Moist acidic soils	Houston/Orange
Celtis laevigata	Sugar Hackberry	60'-80'	Part Shade, Moist to dry soils, Sandy, sand loam, street tree in the South, native to stream banks	All Sites for LID Workshops
Cephalanthus occidentalis	Buttonbush	6'-12' Shrub	Showy, attractive shrub for moist or poorly drained soils. Lower drought tolerance.	All sites of LID Workshops
Cercis canadensis	Eastern Redbud	12-36'	Part Shade to Shade, Moist, fertile, well-drained soils	DFW, Houston, Waco, Austin, SA
Chilopsis linearis	Desert Willow	15'-40'	Sun, Moist to dry, well-drained limestone soils preferred, more of an edge plant, not bottomlands in LID	Austin, SA, Weslaco, Corpus?
Cordia boissieri	Mexican Olive	Shrub to Tree (30')	Moist to Dry, well-drained caliche, alkaline to circumneutral, high drought and heat tolerance	Corpus Christi, Weslaco
Cornus drummondii	Roughleaf Dogwood	12'-16' Shrub/Small Tree	Adaptable from wet to dry, Fall conspicuous, attracts butterflies and birds.	Not Corpus, or Weslaco
Cornus florida	Flowering dogwood	20'-40' Medium	Part Shade/Shade, rich, well drained, acidic soils, showy fall conspicuous .	Houston/Orange, East Texas
Crataegus marshallii	Parsley hawthorn	10'-25' Shrub/Small Tree	Part Shade, Dry soils, tolerates seasonal poor drainage, fall conspicuous	Houston/Orange, East Texas

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Diospyros texana	Texas Persimmon	10'-15' Shrub/Small Tree	High drought tolerance, dry, alkaline soils, sun, attracts birds and butterflies. Withstands short period saturation.	Austin, San Antonio, Houston, Corpus, Weslaco
Diospyros virginiana	Common Persimmon	10'-15' Shrub/Small Tree	High drought tolerance, dry, alkaline soils, sun, attracts birds and butterflies. Withstands short period saturation.	Austin, San Antonio, Houston, Corpus, the Rio Grande Valley; also present in Waco area.
Ebenopsis ebano	Texas Ebony	25'-30' Shrub/Tree	Sun, Moist to dry soils, sandy or clay soils, often multi-trunked, native to low woods of the coastal plains	Corpus Christi, Weslaco
Ehretia anacua	Anacua	20'-45'	Sun to Part Shade, dry, well-drained, drought tolerant	San Antonio, Corpus, Weslaco
Frangula caroliniana	Carolina Buckthorn	12'-15'	Part Shade, moist, calcareous or rocky soils. Ripe berries attract birds. More of a bottomland plant	Austin, SA, Waco, DFW
Fraxinus Americana	White Ash	75'-100' Large	Sun/PS/Shade, Moist, Dry soils, adaptable as green ash but more ornamental	Houston/Orange
Fraxinus pennsylvanica	Green Ash	36'-72' Large	Shade tree, fast growing, Fall conspicuous.	In South TX may be better to use F. berlandieri
Hamamelis virginiana	Witch hazel	10-15' Shrub/Small Tree	Part Shade/Shade, rich well-drained soils. Fall conspicuous	Houston/Orange
Ilex decidua	Possum-haw	15'-30' Shrub/Small Tree	Female tress have conspicuous red berries in Winter, Accent tree/shrub, present in some river bottoms.	Houston/Orange, Austin, SA, DFW, Waco, Corpus Christi
Ilex Opaca	American Holly	25'-65'	Sun/PS/Shade, Wet to dry soils, well-drained, acidic soils	Houston, Orange
Ilex vomitoria	Yaupon	12'-25' Shrub/S. Tree	Sun/PS/Shade, well drained, tolerates drought and poor drainage, female red berries	Houston/Orange, Austin, SA, Corpus Christi
Juglans nigra	Black Walnut	50'-75' Large	Fall conspicuous foliage, Shade tree	DFW, Austin, Waco, Houston, Orange
Juniperus virginiana	Eastern red cedar	30-40' Medium/Large	Sun/PS/Shade, dry soils, heat and cold tolerant	Houston/Orange, SA, Austin, DFW, Waco
Lycium carolinianum var. quadrifidum	Carolina Wolfberry	3'-6' Shrub	Sun to Part Shade, moist to dry soils, seasonally inundated sand, loam. Salt tolerant	Houston, Corpus Christi, Weslaco
Magnolia grandiflora	Southern magnolia	50-75' Large	Part Shade, dry soils, rich, porous, acid soils; mature trees cast dense shade.	Houston/Orange
Mahonia trifoliolata	Agarito	3'-6' Shrub	Sun to Part Shade, Moist to dry rocky, limestone soils.	Austin, SA, Corpus Christi
Morus rubra	Red Mulberry	12'-36' Medium	Understory tree, attractive fall foliage, unripe fruit are toxic if consumed	Not Corpus, or Weslaco
Myrica cerifera	Wax-myrtle	10'-15' Shrub		Houston/Orange, Corpus Christi
Nyssa sylvatica	Black tupelo	30-60' Medium/Large	Sun/PS/Shade, moist acid soils	Houston/Orange
Parkinsonia aculeata	Retama	12'-36'	Sun, Moist to Dry soils, medium drought tolerance, heat tolerant, fast-growing tree	Austin, SA, Corpus, Weslaco
Pinus palustris	Longleaf pine	80-100' Large	Sun, dry, deep sandy soils, acid-based, tolerates seasonally poor drainage, slow grower	Houston/Orange
Pinus taeda	Loblolly pine	60-100' Large	Part Shade, adaptable, but prefers moist, sandy soils, fast growing	Houston/Orange

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Platanus occidentalis	Sycamore	75'-100' Large	Large deciduous shade tree	Not Corpus, or Weslaco
Prunus umbellata	Hog plum	12-36' Small Tree	Dry soil, acid-based sandy, sandy loam soils, blooms ornamental, accent tree/shrub	Houston/Orange, DFW?
Prunus mexicana	Mexican Plum	15'-35' Small	Sun/PS, Moist, dry, well-drained soils, accent tree or shrub	DFW, Waco, Austin, SA, Houston?
Quercus falcata	Southern red oak	36-70' Large	Part Shade, dry, acid-based soils, grows quick for an oak, and long lived	Houston/Orange
Quercus fusiformis	Texas Live Oak	20'-40' Small/Medium	Dry soils, heat, colt, and drought tolerant shade tree	In H and Or use Q. virginiana. Q. f. is suitable for all other sites.
Quercus laurifolia	Laurel oak	36-72'	Part Shade, moist, well-drained, sandy soils	Houston/Orange
Quercus nigra	Water Oak	50'-100' Large	Handsome, rapidly growing shade tree for moist soils	Houston/Orange, Waco
Quercus phellos	Willow oak	72-100' Large	Part Shade, moist clay or loamy, slightly acidic soils	Houston/Orange
Quercus shumardii	Shumard Oak	50'-90' Large	Sun/PS, moist, dry soil, drought resistant and withstands short-term flooding, provides good fall foliage	DFW, Waco, Austin, SA
Quercus stellata	Post Oak	40'-50' Large	Part shade, dry to moist rocky or sandy soils, very drought resistant, long-lived	DFW, Waco, Austin, SA
Quercus virginiana	Live Oak	60'-100' Large	Sun/Part Shade; dry to moist soils, sand, loam, clay; best in neutral or slightly acidic clay loams; tolerates poor drainage	All sites of LID Workshops
Sabal mexicana	Mexican Palm	50'	Sun to part shade, moist to dry soils, sandy to sandy loam. A native palm	Corpus Christi, Weslaco
Sabal minor	Dwarf Palmetto	5'-10' Shrub	Part Shade to Shade, Moist sandy soils, lends interest to damp, shaded places.	Houston, Corpus Christi
Sapindus saponaria var. drummondii	Soapberry	10'-50'	Sun to part shade, moist to dry, rich, limestone soils	All sites of LID Workshops
Sassafras albidum	Sassafras	12-36' Small/Medium Tree	Sun/PS/Shade, moist, rich, acidic soils, works well on disturbed sites, tolerates poor drainage	Houston/Orange
Sophora secundiflora	Texas Mountain Laurel	10'-15'	Sun to Part Shade, moist to dry well-drained soils, alkaline, CaCO2 tolerant, heat and cold hardy, evergreen foliage and showy flowers, red seeds are noisonous	Austin, SA, Corpus, Weslaco
Taxodium distichum	Bald Cypress	50'-75' Large	Moist acidic soils, fall conspicuous foliage	All Sites for LID Workshops
Ulmus americana	American Elm	60'-80' Large	Sun to Part Shade, moist, well drained soils, fertile, susceptible to Dutch Elm Disease	DFW, Houston, Austin, SA, Waco
Ulmus crassifolia	Cedar Elm	30'-60' Medium/Large	Shade tree, Fast growing, Long-living, Fall conspicuous	All sites of LID Workshops
Vaccinium arboreum	Farkleberry	12-15' Shrub/Small Tree	Part Shade, dry, sandy, acid soils, fruit ornamental, fall conspicuous	Houston/Orange, Austin
Viburnum rufidulum	Rusty Blackhaw Viburnum	12'-18' Shrub/S. Tree	Part Shade, dry soils, limestone-based, sandy, hard to propagate, slow-growing, excellent fall hues of red, flowers bloom in spring	Not Corpus, or Weslaco

**Continue to the next page for suitable grass and forb species for biofiltration features ----->**

## Suitable Species for LID/Biofiltration features

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### Grass Species for the biofiltration features

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<i>Andropogon gerardii</i>	Big bluestem	Sun/Part Shade	Warm/Grass/Yes	4'-8' tall, conspicuous flowers and foliage	Houston/Orange, Austin, SA, DFW, Corpus, Waco
<i>Andropogon glomeratus</i>	Bushy bluestem	Sun	Warm/Grass/Yes	2'-5' Moist, low-lying areas, with year-round color. Best in wet areas	All Sites of LID Workshops
<i>Andropogon virginicus L.</i>	Broomsedge bluestem	Part Shade	Warm/Grass/Yes	Can be an invader on disturbed land, Moist soil, attractive	Houston, Orange, Austin, SA, Waco, DFW
<i>Bouteloua curtipendula</i>	Sideoats grama	Sun/Part Shade	Warm/Grass/Yes	1'-3' attractive grass	All Sites except Orange
<i>Bouteloua dactyloides</i>	Buffalograss	Sun	Cool/Grass/Yes	Very drought tolerant; can withstand short-term saturation; loam, clay, caliche, or limestone. Does not like sand.	All Workshop Sites
<i>Carex blanda</i>	Eastern Woodland Sedge	Sun/PS/Shade	Warm/Grass/Yes	Moist to dry soils, well drained, frequent along creek and river terraces	DFW, Waco, Austin, SA
<i>Carex cherokeensis</i>	Cherokee sedge	Part Shade	Warm/Grass/Yes	Tall sedge 1'-2', prefers moist soils.	D/FW, Houston, Orange
<i>Carex emoryi</i>	Emory's sedge	Sun	Warm/Grass	Good for bank Stabilization, has dense root mass. Lower drought tolerance.	Less drought tolerance in South Texas
<i>Chasmanthium latifolium</i>	Inland sea oats	Part Shade / Shade	Warm/Grass/Yes	Good low maintenance shade grass.	Less drought tolerance in South Texas
<i>Eleocharis palustris</i>	Common spikerush	Part Shade	Warm/Grass/Yes	Can tolerate dry periods. Excellent shore stabilization	
<i>Eleocharis quadrangulata</i>	Squarestem spikerush	Sun	Warm/Grass	Lower drought tolerance.	Houston, Orange, Austin, SA
<i>Elymus Canadensis</i>	Canada wildrye	Sun, Part Shade	Cool/Grass/Yes	Good cool season bunch grass for part shade	Not Orange or Rio Grande Valley
<i>Elymus virginicus</i>	Virginia wildrye	Part Shade	Grass/Varies		Not Rio Grande Valley
<i>Equisetum hyemale</i>	Horsetail	Sun/PS/Shade	Forb/Yes	Evergreen. Can be invasive. Bod or Pond application	Houston, Austin, SA (wet applications only)
<i>Eragrostis spectabilis</i>	Purple Lovegrass	Sun	Warm/Grass/Yes	1.5' tall, moist sandy soils, well-drained	Houston, Orange, DFW, Waco, Austin, SA
<i>Juncus tenuis</i>	Slender rush	Part Shade	Warm/Grass	Lower drought tolerance.	Houston/Orange
<i>Leersia hexandra</i>	Clubhead cutgrass	Sun	Warm/Grass	Spreads rapidly through rhizomes and seed. Good erosion control species. Lower drought tolerance.	Gulf coast

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<i>Leptochloa dubia</i>	Green sprangletop	Part Shade	Warm/Grass/Yes	Pioneer species, used as a quick ground cover. Prefers well drained soil.	Rio Grande Valley & West Texas
<i>Melica nitens</i>	Three-Flower Melic	Part Shade	Warm/Grass/Yes	1'-3' tall, moist to dry soils, well-drained, rocky or sandy, a shade loving grass	Waco, Austin, SA
<i>Muhlenbergia capillaris</i>	Gulf coast muhly	Sun	Warm/Grass	Well drained soils. Lower inundation tolerance.	Along the Texas gulf
<i>Muhlenbergia lindheimeri</i>	Big Muhly	Sun	Warm/Grass/Yes	2'-5' bunchgrass, moist to dry soils, well-drained, rocky, limestone soils	Austin, SA
<i>Muhlenbergia reverchonii</i>	Seep Muhly	Sun	Warm/Grass/Yes	6" Tall, Moist to dry soils, rocky, gravelly, or loamy limestone	DFW, Waco, Austin, SA
<i>Panicum virgatum</i>	<b>Upland</b> Switchgrass	Sun/Part Shade	Warm/Grass/Yes	A good choice ecologically, can get tall. <b>Please specify Upland Switchgrass and not Lowland Switchgrass</b>	All Sites of LID Workshops
<i>Paspalum distichum</i>	Knotgrass	Sun	Warm/Grass	Lower drought tolerance.	All Sties of LID Workshops
<i>Pluchea odorata</i>	Marsh fleabane	Sun/PS/Shade	Warm/Sub Shrub	Late season color. Lower drought tolerance.	All Sties of LID Workshops
<i>Schizachyrium scoparium</i>	Little bluestem	Sun/Part Shade	Warm/Grass/Yes	Well drained soil, lower inundation tolerance.	All Sties of LID Workshops
<i>Setaria parviflora</i>	Knotroot bristlegrass	Part Shade	Warm/Grass		All Sites of LID Workshops
<i>Sorghastrum nutans</i>	Indian grass	Sun/PS/Shade	Warm/Grass/Yes	Best if planted en masse. Withstands shorter periods of inundation.	All sites except Weslaco
<i>Spartina pectinata</i>	Prairie cordgrass	Sun	Warm/Grass/Yes	Wet to moist soils, 3-6' tall. Lower drought tolerance.	Houston, Orange
<i>Sporobolus airoides</i>	Alkali sacaton	Part Shade	Warm/Grass/Yes	Dust control and soil protection on saline-alkaline soils.	Houston, Weslaco, Corpus, Austin?, SA?
<i>Sporobolus compositus var. compositus</i>	Composite Dropseed	Sun	Warm/Grass/Yes	2'-4' bunchgrass, moist, sandy soils	DFW, Waco, Austin, SA?
<i>Sporobolus virginicus</i>	Seashore dropseed	Sun	Warm/Grass/No	Good for dune and stream bank stabilization.	Gulf Coast
<i>Tripsacum dactyloides</i>	Eastern gamagrass	Part Shade	Warm/Grass	2'-3', Moist soils, conspicuous flowers and foliage, needs space and to be cut back in winter.	All sites except Corpus and Weslaco

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<i>Achillea millefolium</i>	Common Yarrow	Sun, Part Shade	Warm/Forb/Yes	Dry soil, drought tolerant	Houston, DFW, Waco, Austin
<i>Alophia drummondii</i>	Pinewoods Lily	Part Shade	Warm/Forb	Dry, Sand, loam, clay; well-drained; lower inundation tolerance	Houston, Orange, Corpus, Weslaco
<i>Anthericum chandleri</i>	Blue Star Texas	Part Shade	Warm/Forb	Moist soils, bloom march to may	Houston/Orange, Corpus, Weslaco
<i>Aquilegia canadensis</i>	Eastern Red Columbine	Part Shade to Shade	Warm/Forb/Yes	2', Moist to Dry sandy, well drained soils, shade loving perennial	Austin, San Antonio
<i>Asclepias asperula</i>	Spider Milkweed	Sun	Warm/Forb?Yes	1'-2' Tall, moist to dry soils, prefers rocky or sandy soils of prairies	DFW, Waco, Austin, SA
<i>Asclepias tuberosa</i>	Butterfly Weed	Sun to Part Shade	Warm/Forb/Yes	1'-2' perennial, moist to dry well drained soils	Houston, DFW, Waco, Austin, SA
<i>Asclepias viridis</i>	Green Antelopehorn	Sun	Warm/Forb/Yes	Moist soils, grows in rich or poor soils and blooms off and on over their growing season. requires little water	Houston, Orange, DFW, Waco, Austin, SA
<i>Aster subulatus</i>	Baby's Breath Aster	Sun/Part Shade	Annual/Forb	Sand, loam, clay, limestone; moist, seasonal poor drainage acceptable	Houston/Orange
<i>Ceanothus americanus</i>	New Jersey Tea	Part Shade	Warm/Forb	Sand, loam, limestone; well-drained, at the edge of woods	Houston/Orange
<i>Callirhoe involucrata</i>	Winecup	Sun to Part Shade	Warm/Forb/Yes	up to 3', moist to dry soils, well drained, rocky or sandy soils, sasses of flowers in the spring	All Sites for LID Workshops
<i>Callirhoe pedata</i>	Finger Poppy-Mallow	Sun to Part Shade	Warm/Forb/Yes	Moist to dry soils, excellent mixed with short grasses, more shade tolerant than other winecups	DFW, Waco, Austin, SA
<i>Capsicum annuum</i>	Chile Pequin	Sun/PS/Shade	Warm/Forb/Yes	Moist, clay and heavy clay, sandy loam, edible hot pepper	Austin, SA, Corpus, Weslaco
<i>Calyptocarpus vialis</i>	Horseherb	Sun/PS/Shade	Warm/Forb/Yes	Good shade groundcover. May disappear in heat of summer.	Austin, San Antonio, Houston, Corpus and Rio Grande Valley, DFW, Waco
<i>Castilleja indivisa</i>	Indian Paintbrush	Sun	Warm Annual/Forb/Yes	Dry Acidic soils, open, sunny sites only by seed, require a cold wet period in the winter	All Sites for LID Workshops
<i>Chamaecrista fasciculata</i>	Partridge Pea	Sun to Part Shade	Annua/Forb/Yes	1-3' Annual, moist to dry, sandy, well drained soil	All Sites for LID Workshops
<i>Conoclinium coelestinum</i>	Blue mistflower	Sun Part Shade	Warm/Forb/Yes	Spreads quickly, late season butterflies.	Houston/Orange, DFW, Waco, Austin, SA
<i>Cooperia drummondii</i>	Evening Rain Lily	Sun to Part Shade	Warm/Forb/?	1' tall, Moist to dry, clay to clay loam, white flowers appear after rain events, naturalizes	Austin, San Antonio, Corpus, Weslaco
<i>Cooperia pedunculata</i>	Hill Country Rain Lily	Sun	Warm/Forb/Yes	Moist, clay to clay loam soils, flower after rain events, combine well with plants with	Austin, SA
<i>Coreopsis lanceolata</i>	Lanceleaf coreopsis	Sun/PS/Shade	Warm Evergreen/Forb/Yes	Dry soils, conspicuous flowers	Houston, Orange, DFW
<i>Coreopsis tinctoria</i>	Plains coreopsis	Sun/Part Shade	Warm Annual/Forb/Yes	Moist sandy soils, high water use, showy flowers	All Sites for LID Workshops
<i>Crinum americanum</i>	Crinum Lily	Part Shade	Warm/Forb	Wet soils, rich soils, sandy, water garden, bog or pond area	Houston/Orange, Corpus Christi
<i>Dichromena colorata</i>	White-topped sedge	Sun/PS	Warm/Forb	Tolerates poor drainage	Gulf to Trans-Pecos

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<i>Echinacea pallida</i>	Pale purple coneflower	Sun	Warm/Forb/Yes	Alkaline to acidic, drought tolerant, moist to dry soils.	Map is sparse
<i>Eustoma exaltatum ssp. Russellianum</i>	Texas bluebell	Sun	Warm/Forb/Yes	Moist sandy or sandy loam soils.	Houston
<i>Gaillardia pulchella</i>	Indian Blanket	Sun/Part Shade	Annual/Forb/Yes	Easy wildflower to begin in meadow. Best in higher areas that are well-drained	All Sites for LID Workshops
<i>Helenium amarum</i>	Bitterweed	Sun/Part Shade	Annual/Forb	Sand, loam, clay, limestone; acid or calcareous, well drained or poor drainage.	All Sites for LID Workshops
<i>Helianthus angustifolius</i>	Swamp sunflower	Part Shade	Warm/Forb	Potentially lower drought tolerance	Houston and East Texas
<i>Helianthus maximiliani</i>	Maximilian sunflower	Sun	Warm/Forb/Yes	Heavy seed crop good for wildlife. Withstands short-term saturation.	DFW, Waco, Ausitn, SA
<i>Hymenocallis liriosme</i>	spider lily	Part Shade	Warm/Forb	Moist, sand, loam, clay, acid or calcareous, poor drainage okay. Prefers wet locations, lower drought tolerance	Houston/Orange, Corpus Christi
<i>Iris brevicaulis</i>	zigzag iris	Sun/PS/Shade	Warm/Forb/Yes	Wet, Moist, rich soils, goes dormant in summer if it gets too dry	Houston/Orange
<i>Justicia americana</i>	American Water-willow	Sun/Part Shade	Warm/Forb/Yes	Wet/Moist Soil, Lower drought tolerance	DFW, Waco, Ausitn, SA
<i>Liatris elegans</i>	Gay feather	Sun	Warm/Forb	Dry, sandy or rocky soils	Houston/Orange, Corpus, SA
<i>Liatris pycnostachya</i>	Prairie blazing star	Sun	Warm/Forb/Yes		Houston/Orange/East Texas
<i>Lobelia cardinalis</i>	Cardinal flower	Sun/PS/Shade	Warm/Forb/Yes	Attracts Humming Birds and Butterflies. Prefers wet locations	Austin, San Antonio, Houston, Corpus and Rio Grande Valley
<i>Lorinseria areolata</i>	Chain fern	Shade/Part Shade	Warm/Fern	Moist soils with poor drainage ok, sand, loam, or clay	Houston/Orange, East Texas
<i>Malvaviscus arboreus var. drummondii</i>	turk's cap	Shade/Part Shade	Warm/Forb/Yes	Moist, well-drained, woodland soils best. Also drought tolerant	Houston, Austin, San Antonio, Waco
<i>Marsilea macropoda</i>	Water clover	Sun/PS/Shade	Warm/Forb-Fern	Wet/Poorly drained soils. Lower drought tolerance	Houston, Corpus Christi
<i>Mitchella repens</i>	Partridgeberry	Shade/Part Shade	Warm/Forb/Yes	dry to moist soils, sand, loam; acid.	Houston/Orange / East Texas woods
<i>Monarda citriodora</i>	Lemon beebalm	Sun/Part Shade	Cool Annual/Forb/Yes	Dry, sandy loam to rocky soils	All Sites for LID Workshops
<i>Monarda fistulosa</i>	Bergamot	Sun/Part Shade	Warm/Forb/Yes	Moist/dry, alkaline to acidic soils, prevent mildew by providing good drainage	Houston, Orange, DFW
<i>Monarda punctata</i>	Spotted beebalm	Sun	Warm Annual/Forb/Yes	Dry, sandy, circumneutral soils, lower drought tolerance.	All Sites for LID Workshops
<i>Nemophila phacelioides</i>	Baby Blue Eye's	Part Shade	Warm Anunual/Forb/yes	Moist to dry well-drained soils	Corpus Christi
<i>Oenothera speciosa</i>	Pink evening primrose	Sun	Warm/Forb/Yes	Moist, Dry, wide range of soils, dormant in dry summer, showy flowers, can work as a dense foliage groundcover	All Sites for LID Workshops
<i>Osmunda regalis</i>	royal fern	Shade/Part Shade	Warm/Fern/Yes	Moist to wet soils, tolerates year-round shallow water	Houston/Orange
<i>Penstemon cobaea</i>	Wild foxglove	Sun/Part Shade	Warm/Forb/Yes	Dry, acid, calcareous or sandy loam. May go dormant in dry summer	Houston, DFW, Waco, Austin, SA

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<i>Penstemon tenuis</i>	Gulf coast penstemon	Sun/Part Shade	Warm/Forb/Yes	Moist, sand, loam, clay, seasonal poor drainage okay	Houston/Orange
<i>Phlox drummondii</i>	Annual phlox	Sun/Part Shade	Warm Annual/Forb/Yes	Dry, acidic to circumneutral, well drained soils	Houston, DFW, Austin, SA
<i>Phlox pilosa</i>	Downy phlox	Sun/Part Shade	Warm/Forb/Yes	Dry, acid, well-drained soils, conspicuous flowers	Houston/Orange, Austin, San Antonio?
<i>Phyla nodiflora</i>	Frogfruit	Sun/Part Shade	Warm/Forb/Yes	Creeping perennial; dry to moist, sand, loam, clay, acid or calcareous; poor drainage	All Sites for LID Workshops
<i>Physostegia spp.</i>	Obedient plant	Sun/Part Shade	Warm/Forb	Attract hummingbirds, attractive.	Houston, Orange, DFW?, Austin?
<i>Physostegia spp.</i>	Spring obedient plant	Sun/Part Shade	Warm/Forb	Sand, clay, poor drainage okay, Goes dormant in drought stress.	Houston, Orange, DFW?, Austin?
<i>Physostegia virginiana</i>	Fall obedient plant	Sun/PS/Shade	Warm/Forb/Yes	Moist, humus rich. Tolerates drought and poor drainage.	Houston, Orange, DFW?, Austin?
<i>Podophyllum peltatum</i>	Mayapple	Shade/Part Shade	Warm/Forb/Yes	Moist, humus rich soils. Drought-tolerant only in eastern forest range.	Houston/Orange
<i>Ratibida columnifera</i>	Mexican hat	Sun	Warm/Forb/Yes	Moist, dry, various well-drained soils, fast growing	All Sites for LID Workshops
<i>Rhexia mariana</i>	Meadow beauty	Sun/Part Shade	Warm/Forb/Yes	Moist, mesic to wet, fertile soils, poor drainage ok.	Houston/Orange
<i>Rivina humilis</i>	Pigeonberry	Part Shade	Warm/Forb/Yes	Fruit & Leaves toxic if ingested, fruit attract birds. Lower inundation tolerance.	All Sites except Orange
<i>Rudbeckia hirta</i>	Black-eyed Susan	Sun/PS/Shade	Warm/Forb/Yes	Lower inundation tolerance	Not Panhandle or West Texas.
<i>Salvia coccinea</i>	Scarlet sage	Sun/PS/Shade	Warm/Forb/Yes	Moist, dry, easily grown	All Sites for LID Workshops
<i>Salvia engelmannii</i>	Engelmann's Sage	Sun to Part Shade	Warm/Forb/Yes	Moist to dry soils, well-drained, rocky, sandy soils	Waco, Austin, SA
<i>Salvia farinacea</i>	Mealy Blue Sage	Sun	Warm/Forb/Yes	2'-3' mounding plant, moist limestone soils, deer resistant, blooms throughout summer	DFW, Waco, Austin, SA,
<i>Salvia lyrata</i>	Lyre-leaf sage	Sun/PS/Shade	Warm/Forb/Yes	Spring blooming perennial; dry to moist; sand, loam, clay; tolerates seasonal poor drainage	Houston/Orange
<i>Solidago altissima</i>	Tall goldenrod	Part Shade/Shade	Warm/Forb/Yes	Attracts butterflies and birds. Late season color.	Central Texas and East
<i>Spigelia marilandica</i>	Indian pink	Part Shade	Warm/Forb/Yes	Moist, sandy, fertile soils, acid based.	Houston/Orange
<i>Symphotrichum praealtum</i>	Tall aster	Sun/PS/Shade	Warm/Forb		All Sites for LID Workshops
<i>Teucrium canadense</i>	Canada germander	Part Shade	Warm/Forb	Moist or submerged soils. Can work in shady areas.	All Sites for LID Workshops
<i>Thelypteris kunthii</i>	Wood Fern	Shade/Part Shade	Warm/Fern/Yes	Moist, sand, loam, clay, or limestone. Poor drainage okay	Houston, Orange, Austin?, SA?
<i>Tradescantia spp.</i>	Spiderwort	Sun to Part Shade	Warm/Forb/Yes	Dry to moist sandy soils, well-drained	DFW, Waco, Austin, SA
<i>Trillium gracile</i>	Trillium	Part Shade	Warm/Forb	Moist, well-drained acid sands and loams, very slow colonizer	Houston/Orange
<i>Verbena canadensis</i>	Gray vervain	Shade/Part Shade	Warm/Forb	Moist, dry, sand, loam, acid, well drained	Houston/Orange

### Forb Species for the biofiltration features

<b>Botanical Name</b>	<b>Common Name</b>	<b>Light Requirement</b>	<b>Season/Type/ComAvail.</b>	<b>Comments</b>	<b>Region Specific</b>
<i>Vernonia baldwinii</i>	Baldwin's Ironweed	Sun	Warm/Forb/?	3'-5' Tall, Moist, rocky or sandy soils, bloom last from summer to frost	DFW, Waco, Austin, SA
<i>Viola missouriensis</i>	Missouri Violet	Part Shade/Shade	Warm/Forb/Yes	Well drained/Low growing attractive foliage & flowers. Can work in shady areas.	Houston
<i>Viola walteri</i>	Walter's violet	Shade/Part Shade	Warm/Forb	Moist, well-drained, acidic soils, naturalized in deciduous forest	Houston/Orange
<i>Wedelia texana</i>	Wedelia	Sun to Part Shade	Warm/Forb/Yes	1'-3', moist to dry, well-drained soils, long-lived, drought tolerant	Austin, SA, Corpus, Weslaco