

# Stormwater Drainage Manual

## Appendix B Native Plant Species For Best Management Practices

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## Appendix B Native Plant Species For Stormwater Quality Best Management Practices

### Selection of Native Plant Species

We are fortunate in Ohio to have a great diversity of plants to choose from, including many that thrive under adverse conditions. Native plants can be found to suit a variety of sites: wet or dry, sun or shade, high or low fertility, and acidic or calcareous soils<sup>1</sup>. When used correctly, native plants may:

- **Promote Biodiversity:** Contributes to the ecological balance of flora and fauna that have evolved in the geographic area. Natives perpetuate the relationships that exist between native plants, the soils, and the many organisms that depend upon them for survival. Biodiversity is degraded through the destruction of natural landscapes and their invasion by exotic species. Because biodiversity has evolved over thousands of years, this loss is irreversible.
- **Save Time, Money, and Energy:** Native plants generally require less maintenance making the use of natives less expensive. Because they are adapted to a local region, they tend to resist damage from freezing, drought, common diseases, or herbivores.
- **Conserve Natural Resources:** Because they are adapted to the soils, temperatures and rainfall patterns, native plants typically require less irrigation and fertilization than traditional plantings. Many native species thrive in poor soils. Native plants, used wisely, can protect water quality by controlling soil erosion and moderating floods and droughts.
- **Attract Wildlife:** Native plants are the best choice for attracting and nourishing native wildlife. Birds, mammals, butterflies and other wildlife depend on the many characteristics that native plants provide. These species have evolved with the local bird, mammal, butterfly and insect populations and are therefore their best source of food and habitat.
- **Genetic Resource.** Native plants serve as an important genetic resource for future food crops. However, in the long run, natives will, in most cases, form self-sustaining plant communities that provide the keystone elements for ecosystem restoration. They are a vital component of any native ecosystem.

### What are invasive plants?

Invasive species are aggressive non-native plants introduced into environments where they did not evolve. These species are also referred to as exotics, aliens, weeds, and non-indigenous species.

Invasive species spread rapidly because they often have no natural pests to limit their spread, displacing native species and disrupting natural ecosystems by changing the composition, structure and function of natural plant communities. Table B-1 lists common invasive plant species found in Franklin County that should be avoided.

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<sup>1</sup> The Ohio State University Extension Bulletin 865

<b>Table B-1</b> <b>Common Invasive Plants</b> <b>Found in Franklin County</b>	
Botanical Name	Common Name
<i>Ailanthus altissima</i>	Tree of Heaven
<i>Alliaria petiolata</i>	Garlic mustard
<i>Berberis thunbergii</i>	Japanese barberry
<i>Coronilla varia</i>	Crown vetch
<i>Euonymus alatus</i>	Burning bush
<i>Euonymus fortunei</i>	Wintercreeper vine
<i>Hemerocallis fulva</i>	Day lily
<i>Ligustrum vulgare</i>	Common privet
<i>Lonicera maackii</i> , <i>L. morrowii</i> , <i>L. tatarica</i>	Bush honeysuckle
<i>Lonicera japonica</i>	Japanese honeysuckle
<i>Lythrum salicaria</i>	Purple loosestrife
<i>Ranunculus ficaria</i>	Lesser celandine
<i>Rosa multiflora</i>	Multiflora rose
<i>Polygonum cuspidatum</i>	Japanese knotweed
<i>Vinca minor</i>	Periwinkle, Myrtle

Table B-2 lists native plant species that are approved for use in stormwater best management practices in Franklin County. The plants listed are generally available in nursery stock specializing in native plants. If no specific designation for use is shown, the designer must determine the survivability of the selected species based on site conditions.

**Table B-2**  
**Approved Native Plant Species<sup>2</sup>**

Botanical Name	Common Name	Soil Moisture	Upland Buffer	Meadow	Wooded Wetland	Edge	Emergent	Stormwater Basin	Salt Tolerant
				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Acorus americanus</i>	Sweet flag	Wet				x	x	x	
<i>Agastache nepetoides</i>	Yellow giant hyssop	Dry							
<i>Agastache scrophulariaefolia</i>	Purple giant hyssop	Dry							
<i>Alisma subcordatum</i>	Common water plantain	Wet		x	x	x	x	x	
<i>Allium canadense</i>	Wild onion	Dry							
<i>Allium cernuum</i>	Nodding wild onion	Medium	x						
<i>Amorpha fruticosa</i>	Indigo bush	Wet							x
<i>Andropogon gerardii</i> <sup>4</sup>	Big bluestem grass	Medium	x					x	
<i>Andropogon virginicus</i>	Broom sedge	Medium							x
<i>Anemone canadensis</i>	Meadow anemone	Wet							
<i>Anemone cylindrica</i>	Thimbleweed	Dry	x						
<i>Anemone virginiana</i>	Tall anemone	Dry	x						

<sup>2</sup> See attached citations and reference list for source information.

<sup>3</sup> Information provided by The Native Plant Guide for Streams and Stormwater Facilities in Northeastern Illinois

<sup>4</sup> Ohio native grass

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Anemonella thalictroides</i>	Rue anemone	Dry							
<i>Angelica atropurpurea</i>	Great angelica	Wet		x					
<i>Apocynum androsaemifolium</i>	Spreading dogbane	Dry							
<i>Aquilegia canadensis</i>	Wild columbine	Medium	x						x
<i>Asclepias incarnata</i>	Swamp milkweed	Wet		x		x			
<i>Asclepias purpurascens</i>	Purple milkweed	Dry							
<i>Asclepias sullivantii</i>	Prairie milkweed	Dry							
<i>Asclepias syriaca</i>	Common milkweed	Dry	x						
<i>Asclepias tuberosa</i>	Butterfly weed	Dry	x						x
<i>Asclepias verticillata</i>	Whorled milkweed	Dry	x						
<i>Aster cordifolius</i>	Heart-leaved aster	Dry							
<i>Aster divaricatus</i>									
<i>Aster ericoides</i>	Heath aster	Dry							x
<i>Aster firmus</i>	Shining aster	Wet							
<i>Aster laevis</i>	Smooth blue aster	Dry						x	x
<i>Aster lanceolatus</i>								x	
<i>Aster lateriflorus</i>	Side-flowering aster	Medium							

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Aster macrophyllus</i>	Big-leaved aster	Dry							
<i>Aster novae-angliae</i>	New England aster	Wet		x				x	
<i>Aster oolentangiensis</i>	Sky-blue aster	Dry	x						x
<i>Aster praealtus</i>	Willow aster	Wet							
<i>Aster puniceus</i>	Bristly aster	Wet		x					x
<i>Aster sagittifolius</i>	Arrow-leaved aster	Dry							
<i>Aster shortii</i>	Short's aster	Dry							
<i>Aster umbellatus</i>	Flat-top aster	Wet		x	x				
<i>Astragalus canadensis</i>	Canadian milk vetch	Dry							
<i>Baptisia australis</i>	Blue wild indigo	Dry	x						x
<i>Baptisia lactea</i>	White wild indigo	Medium	x						
<i>Baptisia tinctora</i>	Yellow wild indigo	Dry							
<i>Bidens cernua</i>	Nodding beggars tick	Wet		x	x			x	x
<i>Bidens coronata</i>	Tall swamp marigold	Wet							
<i>Bidens frondosa</i>	Common beggars tick	Wet						x	
<i>Blephilia hirsuta</i>	Wood mint	Dry							
<i>Boltonia asteroides</i>	False aster	Wet							
<i>Bouteloua curtipendula</i>	Side-oats grama	Dry	x					x	x

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Brasenia schreberi</i>	Water shield	Wet							
<i>Bromus ciliatus</i>	Fringed brome	Wet							
<i>Bromus pubescens</i>	Woodland brome	Medium							
<i>Cacalia atriplicifolia</i>	Pale indian plantain	Dry	x						
<i>Cacalia muhlenbergii</i>	Great indian plantain	Dry							
<i>Cacalia plantaginea</i>	Prairie indian plantain	Medium							
<i>Cacalia suaveolens</i>	Sweet indian plantain	Wet							
<i>Calamagrostis canadensis</i> <sup>3</sup>	Blue joint grass	Wet		x	x			x	
<i>Caltha palustris</i>	Marsh marigold	Wet			x	x			
<i>Campanula americana</i>	Tall bellflower	Medium							
<i>Carex annectens</i>	Large yellow fox sedge	Wet							
<i>Carex aquatilis</i>	Long-bracted tussock sedge	Wet							
<i>Carex atherodes</i>	Hairy-leaved lake sedge	Wet							
<i>Carex bebbii</i>	Bebb's oval sedge	Wet							
<i>Carex bicknellii</i>	Copper-shouldered oval sedge	Dry							



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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
Carex brevior	Plains oval sedge	Dry							
Carex cephaloidea	Rough-clustered sedge	Medium							
Carex comosa	Bristly sedge	Wet		x			x	x	
Carex crinita	Fringed sedge	Wet			x		x		
Carex cristatella	Crested oval sedge	Wet						x	
Carex crus-corvi	Crowfoot fox sedge	Wet							
Carex davisii	Awned graceful sedge	Medium							
Carex emoryi	Riverbank sedge	Wet							
Carex frankii	Bristly cattail sedge	Wet							
Carex granularis	Pale sedge	Wet						x	
Carex grayi	Common bur sedge	Wet							
Carex haydenii	Long-scaled tussock sedge	Wet							
Carex hystericina	Porcupine sedge	Wet			x				
Carex interior	Prairie star sedge	Wet							
Carex lacustris	Common lake sedge	Wet					x		
Carex lupulina	Common hop sedge	Wet			x		x		
Carex lurida	Bottlebrush sedge	Wet				x	x		
Carex muhlenbergii	Sand bracted sedge	Dry							

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Carex muskingumensis</i>	Swamp oval sedge	Wet			x				
<i>Carex normalis</i>	Spreading oval sedge	Medium							
<i>Carex pensylvanica</i>	Common oak sedge	Dry							
<i>Carex plantaginea</i>	Plantain-leaved wood sedge	Dry							
<i>Carex prairea</i>	Fen panicled sedge	Wet							
<i>Carex projecta</i>	Loose-headed oval sedge	Wet							
<i>Carex rosea</i>	Curly-styled wood sedge	Dry							
<i>Carex scoparia</i>	Lance-fruited oval sedge	Wet							
<i>Carex shortiana</i>									
<i>Carex squarrosa</i>	Narrow-leaved cattail sedge	Wet			x				
<i>Carex stipata</i>	Common fox sedge	Wet						x	
<i>Carex straminea</i>	Awned oval sedge	Wet							
<i>Carex stricta</i>	Common tussock sedge	Wet		x					
<i>Carex tribuloides</i>	Awl-fruited oval sedge	Wet							
<i>Carex typhina</i>	Common cattail sedge	Wet			x				

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Carex utriculata</i>	Common yellow lake sedge	Wet							
<i>Carex vesicaria</i>	Tufted lake sedge	Wet							
<i>Carex viridula</i>	Green yellow sedge	Wet							
<i>Carex vulpinoidea</i>	Brown fox sedge	Wet			x	x	x	x	
<i>Chamaecrista fasciculata</i>	Partridge pea	Dry	x						
<i>Chelone glabra</i>	Turtlehead	Wet			x				
<i>Cinna arundinacea</i>	Common wood reed	Wet			x				
<i>Clematis virginiana</i>	Virgin's bower	Medium							
<i>Coreopsis palmata</i>	Prairie coreopsis	Dry	x						
<i>Coreopsis tripteris</i>	Tall coreopsis	Medium		x				x	
<i>Crotalaria sagittalis</i>	Rattlebox	Dry							
<i>Cyperus esculentus</i>	Field nut sedge	Medium					x	x	
<i>Danthonia spicata</i>									
<i>Decodon verticillatus</i>	Swamp loosestrife	Wet					x		
<i>Deschampsia caespitosa glauca</i>	Tufted hair grass	Wet							x
<i>Desmanthus illinoensis</i>	Illinois sensitive plant	Dry	x						

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<i>Desmodium canadense</i>	Showy tick trefoil	Medium							
<i>Desmodium canescens</i>	Hoary tick trefoil	Dry							
<i>Desmodium illinoense</i>	Illinois tick trefoil	Dry	x						
<i>Desmodium sessilifolium</i>	Sessile-leaved tick trefoil	Dry							
<i>Diarrhena americana</i>	Beak grass	Dry							
<i>Dodecatheon meadia</i>	Shooting star	Medium	x						
<i>Dulichium arundinaceum</i>	Three-way sedge	Wet							
<i>Echinacea pallida</i>	Purple coneflower	Dry							
<i>Echinacea purpurea</i>	Broad-leaved purple coneflower	Dry	x						x
<i>Echinochloa crus-galli</i>	Barnyard grass	Wet		x	x				x
<i>Eleocharis acicularis</i>	Needle spike rush	Wet					x		
<i>Eleocharis obtusa</i>	Blunt spike rush	Wet				x	x	x	
<i>Eleocharis palustris major</i>	Great spike rush	Wet					x		x

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Eleocharis smallii</i>	Creeping spike rush	Medium						x	
<i>Elymus canadensis</i>	Canada wild rye	Medium	x	x	x			x	
<i>Elymus riparius</i> <sup>3</sup>	Riverbank wild rye	Medium							
<i>Elymus villosus</i>	Silky wild rye	Dry							
<i>Elymus virginicus</i> <sup>3</sup>	Virginia wild rye	Medium			x	x		x	
<i>Epilobium coloratum</i>	Cinnamon willow herb	Wet							
<i>Equisetum hyemale</i>	Tall scouring rush	Medium		x					
<i>Eryngium yuccifolium</i>	Rattlesnake master	Medium							
<i>Eupatorium coelestinum</i>	Blue mistflower	Medium	x						
<i>Eupatorium fistulosum</i>	Hollow joe-pye weed	Wet							
<i>Eupatorium maculatum</i>	Spotted joe-pye weed	Wet		x				x	
<i>Eupatorium perfoliatum</i>	Common boneset	Wet		x		x		x	x
<i>Eupatorium purpureum</i>	Purple joe-pye weed	Dry	x						
<i>Eupatorium rugosum</i>	White snakeroot	Dry							
<i>Eupatorium serotinum</i>	Late boneset	Medium	x						

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Euphorbia corollata</i>	Flowering spurge	Dry	x						
<i>Filipendula rubra</i>	Queen of the prairie	Wet		x					
<i>Gentiana andrewsii</i>	Bottle gentian	Wet		x					
<i>Gentiana flavida</i>	Cream gentian	Medium							
<i>Geranium maculatum</i>	Wild geranium	Dry							
<i>Geum triflorum</i>	Prairie smoke	Dry							
<i>Glyceria canadensis</i>	Rattlesnake grass	Wet							
<i>Glyceria grandis</i>	Reed manna grass	Wet							
<i>Glyceria pallida</i>	Pale manna grass	Wet							
<i>Glyceria striata</i>	Fowl manna grass	Wet		x	x	x		x	
<i>Helenium autumnale</i>	Sneezeweed	Wet		x	x	x		x	x
<i>Helianthus giganteus</i>	Tall sunflower	Wet							
<i>Helianthus grosseserratus</i>	Sawtooth sunflower	Medium	x					x	
<i>Helianthus mollis</i>	Downy sunflower	Dry	x						
<i>Helianthus occidentalis</i>	Western sunflower	Dry	x						
<i>Helianthus rigidus</i>	Prairie sunflower	Dry							
<i>Helianthus strumosus</i>	Pale-leaved sunflower	Dry							

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<i>Helianthus tuberosus</i>	Jerusalem artichoke	Medium	x						
<i>Heliopsis helianthoides</i>	False sunflower	Dry							
<i>Heracleum maximum</i>	Cow parsnip	Dry							
<i>Heuchera richardsonii</i>	Prairie alum root	Medium							
<i>Hibiscus laevis</i>	Halberd-leaved rose mallow	Wet					x		
<i>Hibiscus moscheulos</i>	March hibiscus	Wet							
<i>Hibiscus palustris</i>	Swamp rose mallow	Wet					x		x
<i>Hierochloe odorata</i>	Sweet grass	Wet							x
<i>Hypericum pyramidatum</i>	Great St. John's wort	Medium							x
<i>Hypericum virginicum</i>	Marsh St. John's wort	Wet							x
<i>Hypericum prolificum</i>	Shrubby St. John's wort	Dry	x						
<i>Hystrix patula</i>	Bottlebrush grass	Dry							
<i>Ilex verticillata</i>	Winterberry	Wet							x
<i>Iris virginica shrevei</i>	Blue flag iris	Wet		x		x	x	x	

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<i>Iris versicolor</i>									
<i>Juncus canadensis</i>	Canadian rush	Wet							x
<i>Juncus dudleyi</i>	Dudley's rush	Medium							
<i>Juncus effusus</i>	Common rush	Wet		x		x	x	x	
<i>Juncus tenuis</i>	Path rush	Medium							
<i>Juncus torreyi</i>	Torrey's rush	Wet						x	x
<i>Justicia americana</i>	Water willow	Wet					x		
<i>Koeleria cristata</i>	June grass	Dry							
<i>Kuhnia eupatoroides corymbulosa</i>	False boneset	Dry							
<i>Lathyrus palustris</i>	Marsh vetchling	Wet							x
<i>Leersia oryzoides</i>	Rice cut grass	Wet		x	x	x	x	x	
<i>Lemna minor</i>	Duckweed, floating								
<i>Lespedeza capitata</i>	Round-headed bush clover	Dry	x						
<i>Liatris aspera</i>	Rough blazing star	Dry	x						x
<i>Liatris cylindracea</i>	Cylindrical blazing star	Dry	x						
<i>Liatris pycnostachya</i>	Prairie blazing star	Medium	x						
<i>Liatris scariosa nieuwlandii</i>	Savanna blazing star	Dry							
<i>Liatris spicata</i>	Marsh blazing star	Medium	x						



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<i>Lobelia cardinalis</i>	Cardinal flower	Wet		x		x			
<i>Lobelia inflata</i>	Indian tobacco	Dry	x						
<i>Lobelia siphilitica</i>	Great blue lobelia	Wet		x	x	x			
<i>Lobelia spicata</i>	Pale spiked lobelia	Medium	x						
<i>Ludwigia alternifolia</i>	Seedbox	Wet		x		x			
<i>Lupinus perennis occidentalis</i>	Wild lupine	Dry	x						
<i>Lycopus americanus</i>	Common water horehound	Wet							
<i>Lythrum alatum</i>	Winged loosestrife	Wet							
<i>Matteuccia struthiopteris</i>									
<i>Mentha arvensis villosa</i>	Wild mint	Wet							
<i>Mertensia virginica</i>	Virginia bluebells	Wet							
<i>Mimulus ringens</i>	Monkey flower	Wet			x	x			
<i>Monarda fistulosa</i>	Wild bergamot	Dry	x					x	
<i>Monarda punctata</i>	Horse mint	Dry							
<i>Napaea dioica</i>	Glade mallow	Medium							
<i>Nelumbo lutea</i>	Lotus (clay ball)	Wet							
<i>Nuphar advena</i>	Yellow pond lily	Wet					x		x
<i>Nymphaea tuberosa</i>	White water lily (rooted buds)	Wet					x		

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<i>Nymphaea odorata</i>									
<i>Oenothera biennis</i>	Common evening primrose	Dry							
<i>Onoclea sensibilis</i>									
<i>Opuntia humifusa</i>	Eastern prickly pear	Dry							
<i>Osmorhiza claytonii</i>	Hairy sweet cicely	Dry							
<i>Osmunda cinnomomea</i>									
<i>Osmunda regalis</i>									
<i>Oxypolis rigidior</i>	Cowbane	Wet							
<i>Panicum clandestinum</i>	Deer-tongue grass	Wet							
<i>Panicum rigidulum</i>	Munro grass	Wet							
<i>Panicum virgatum</i> <sup>3</sup>	Switch grass	Medium	x	x	x			x	x
<i>Parthenium integrifolium</i>	Wild quinine	Dry	x						
<i>Parthenocissus quinquefolia</i>	Virginia creeper	Medium							x
<i>Pedicularis lanceolata</i>	Fen betony	Wet							
<i>Peltandra virginica</i>	Arrow arum	Wet		x			x		
<i>Penstemon calycosus</i>	Smooth beard tongue	Dry	x						

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Penstemon digitalis</i>	Foxglove beard tongue	Medium	x						
<i>Penstemon hirsutus</i>	Hairy beard tongue	Dry	x						
<i>Penthorum sedoides</i>	Ditch stonecrop	Wet							
<i>Petalostemum candidum</i>	White prairie clover	Dry							
<i>Petalostemum purpureum</i>	Purple prairie clover	Dry	x					x	x
<i>Phlox divaricata</i>	Woodland phlox	Dry							
<i>Phlox pilosa</i>	Sand prairie phlox	Medium							
<i>Physostegia virginiana</i>	Obedient plant	Wet							x
<i>Physostegia virginiana arenaria</i>	Prairie obedient plant	Dry	x						
<i>Polygonatum canaliculatum</i>	Smooth Solomon's seal	Dry							
<i>Polygonum amphibium stipulaceum</i>	Water knotweed	Wet					x	x	
<i>Polygonum pensylvanicum</i>	Pinkweed	Wet							x
<i>Pontederia cordata</i>	Pickerel weed	Wet				x	x		
<i>Potamogeton natans</i>	Common pondweed	Wet					x		

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**Approved Native Plant Species<sup>2</sup>**

Botanical Name	Common Name	Soil Moisture	Upland Buffer	Meadow	Wooded Wetland	Edge	Emergent	Stormwater Basin	Salt Tolerant
				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
Potamogeton pectinatus	Sago pondweed	Wet					x		x
Potentilla arguta	Prairie cinquefoil	Dry							
Prenanthes altissima	Tall white lettuce	Dry							
Pycnanthemum muticum	Broad-leaved mountain mint	Wet							
Pycnanthemum tenuifolium	Slender mountain mint	Medium							
Pycnanthemum virginianum	Common mountain mint	Wet		x				x	
Ranunculus fascicularis	Early buttercup	Dry							
Ratibida pinnata	Yellow coneflower	Dry						x	
Rhynchospora macrostachya	Horned beak rush	Wet							x
Rosa carolina	Pasture rose	Dry							
Rosa palustris	Swamp rose	Wet				x			
Rudbeckia hirta	Black-eyed susan	Dry	x					x	x
Rudbeckia laciniata	Wild golden glow	Wet			x	x			
Rudbeckia speciosa sullivantii	Showy black-eyed susan	Wet							
Rudbeckia subtomentosa	Sweet black-eyed susan	Medium	x						
Rudbeckia triloba	Brown-eyed susan	Medium							

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Rumex altissimus</i>	Pale dock	Medium							
<i>Rumex orbiculatus</i>	Great water dock	Wet							x
<i>Rumex verticillatus</i>	Swamp dock	Wet							
<i>Sabatia angularis</i>	Rose gentian	Medium							
<i>Sagittaria latifolia</i>	Common arrowhead	Wet		x		x	x	x	
<i>Saururus cernuus</i>	Lizard's tail	Wet				x			
<i>Schizachyrium scoparium</i> <sup>3</sup>	Little bluestem	Dry						x	
<i>Scirpus acutus</i>	Hard-stemmed bulrush	Wet				x	x	x	x
<i>Scirpus americanus</i>	Chairmaker's rush						x	x	
<i>Scirpus atrovirens</i>	Dark green rush	Wet		x	x	x	x		
<i>Scirpus cyperinus</i>	Wool grass	Wet					x		x
<i>Scirpus fluviatilis</i>	River bulrush	Wet					x	x	
<i>Scirpus pendulus</i>	Red bulrush	Wet							
<i>Scirpus pungens</i>	Chairmaker's rush	Wet				x			x
<i>Scirpus tabernaemontani</i>	Soft-stem bulrush						x	x	
<i>Scirpus validus creber</i>	Great bulrush	Wet		x		x	x		x
<i>Scrophularia marilandica</i>	Late figwort	Dry							
<i>Senecio aureus</i>	Golden ragwort	Wet							

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Botanical Name	Common Name	Soil Moisture	Upland Buffer	Meadow	Wooded Wetland	Edge	Emergent	Stormwater Basin	Salt Tolerant
				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Senna hebecarpa</i>	Wild senna	Wet		x		x			
<i>Silene regia</i>	Royal catchfly	Dry							
<i>Silene stellata</i>	Starry campion	Dry							
<i>Silene virginica</i>	Fire pink	Dry							
<i>Silphium integrifolium</i>	Rosin weed	Dry							
<i>Silphium laciniatum</i>	Compass plant	Dry	x					x	
<i>Silphium perfoliatum</i>	Cup plant	Medium		x					
<i>Silphium terebinthinaceum</i>	Prairie dock	Dry						x	
<i>Sisyrinchium angustifolium</i>	Stout blue-eyed grass	Medium							
<i>Sisyrinchium atlanticum</i>	Eastern blue-eyed grass	Wet							
<i>Sium suave</i>	Tall water parsnip	Wet							x
<i>Smilacina racemosa</i>	Feathery false Solomon's seal	Dry							
<i>Solidago altissima</i>	Tall goldenrod	Dry							
<i>Solidago caesia</i>	Blue-stemmed goldenrod	Dry							
<i>Solidago canadensis</i>	Canadian goldenrod	Dry							

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Botanical Name	Common Name	Soil Moisture	Upland Buffer	Meadow	Wooded Wetland	Edge	Emergent	Stormwater Basin	Salt Tolerant
				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Solidago flexicaulis</i>	Broad-leaved goldenrod	Dry							
<i>Solidago gigantea</i>	Late goldenrod	Medium						x	
<i>Solidago graminifolia</i>	Common grass-leaved goldenrod	Medium							
<i>Solidago juncea</i>	Early goldenrod	Dry							
<i>Solidago nemoralis</i>	Old-field goldenrod	Dry							
<i>Solidago ohioensis</i>	Ohio goldenrod	Wet							
<i>Solidago patula</i>	Swamp goldenrod	Wet							
<i>Solidago riddellii</i>	Riddell's goldenrod	Wet							
<i>Solidago rigida</i>	Stiff goldenrod	Dry	x					x	x
<i>Solidago rugosa</i>	Rough goldenrod	Medium							
<i>Solidago speciosa</i>	Showy goldenrod	Dry							x
<i>Sorghastrum nutans</i> <sup>3</sup>	Indian grass	Medium						x	
<i>Sparganium americanum</i>	American bur reed	Wet					x		
<i>Sparganium eurycarpum</i>	Common bur reed	Wet				x	x	x	
<i>Spartina pectinata</i> <sup>3</sup>	Prairie cord grass	Wet		x	x			x	x
<i>Sporobolus heterolepis</i>	Prairie dropseed	Dry							x
<i>Stipa spartea</i>	Porcupine grass	Dry							

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Styloforum diphyllum</i>	Calendine poppy	Dry							
<i>Tephrosia virginiana</i>	Goat's rue	Dry							
<i>Teucrium canadense</i>	Germander	Wet							x
<i>Thalictrum dasycarpum</i>	Purple meadow rue	Medium	x						
<i>Thalictrum dioicum</i>	Early meadow rue	Medium	x						
<i>Tradescantia ohiensis</i>	Common spiderwort	Medium	xx					x	
<i>Triglochin maritima</i>	Common bog arrow grass	Wet							
<i>Triosteum aurantiacum</i>	Early horse gentian	Dry							
<i>Typha latifolia</i>									
<i>Uniola latifolia</i>	Spike grass	Wet							
<i>Vallisneria spiralis</i>							x		
<i>Verbena hastata</i>	Blue vervain	Wet		x		x	x	x	
<i>Verbena stricta</i>	Hoary vervain	Dry							x
<i>Verbesina alternifolia</i>	Wingstem	Wet			x	x			
<i>Vernonia altissima</i>	Smooth tall ironweed	Medium							



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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Vernonia altissima taeniotricha</i>	Hairy tall ironweed	Medium							
<i>Vernonia fasciculata</i>	Common ironweed	Wet				x		x	
<i>Vernonia missurica</i>	Missouri ironweed	Medium							
<i>Vernonia novaboracensis</i>									
<i>Veronicastrum virginicum</i>	Culver's root	Medium	x						
<i>Viola lanceolata</i>	Lance-leaved violet	Wet							
<i>Viola pedata lineariloba</i>	Bird's foot violet	Dry							
<i>Zizania aquatica</i>	Wild rice	Wet					x		x
<i>Zizia aptera</i>	Heart-leaved meadow parsnip	Dry							
<i>Zizia aurea</i>	Golden alexanders	Medium	x						x

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<b>WOODY MATERIAL - Native Ohio Trees and Shrubs</b>									
<i>Acer negundo</i>	Box elder	Medium							
<i>Acer rubrum</i>	Red maple	Medium						x	
<i>Acer saccharinum</i>	Silver maple	Medium							
<i>Acer saccharum</i>	Sugar maple	Dry							
<i>Aesculus flava</i>	Yellow Buckeye	Dry							
<i>Aesculus glabra</i>	Ohio Buckeye	Dry							
<i>Alnus incana</i>	Black Alder								
<i>Alnus serrulata</i>	Smooth Alder	Wet							
<i>Amelanchier arborea</i>	Serviceberry	Medium							
<i>Amelanchier laevis</i>	Smooth Serviceberry								
<i>Aronia arbutifolia</i>	Red Chokeberry								
<i>Aronia melanocarpa</i>	Black chokeberry	Medium							
<i>Asimina triloba</i>	Pawpaw	Wet							
<i>Betula alleghaniensis</i>	Yellow Birch	Medium							
<i>Betula lenta</i>	Sweet birch	Medium							
<i>Betula nigra</i>	River birch	Wet							x
<i>Betula populifolia</i>	Gray birch	Medium							
<i>Carpinus caroliniana</i>	Blue beech	Medium							

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Carya glabra</i>	Pignut hickory	Dry							
<i>Carya laciniosa</i>	Kingnut hickory	Wet							
<i>Carya ovata</i>	Shagbark hickory	Medium							x
<i>Ceanothus americanus</i>	New Jersey tea	Dry							
<i>Celtis occidentalis</i>	Hackberry	Medium						x	
<i>Cephalanthus occidentalis</i>	Buttonbush	Wet						x	
<i>Cercis canadensis</i>	Redbud	Dry							
<i>Chionanthus virginicus</i>	Fringe tree	Medium							
<i>Clethra alnifolia</i>									
<i>Cornus alternifolia</i>	Alternate lf dogwood	Dry							
<i>Cornus amomum</i>	Silky dogwood	Wet							
<i>Cornus florida</i>	Flowering dogwood	Dry							
<i>Cornus racemosa</i>	Grey dogwood	Medium						x	
<i>Cornus sericea</i>	Red-osier dogwood	Wet						x	
<i>Cratageus crus-galli</i>	Cockcpur	Medium							
<i>Diospyros virginiana</i>	Persimmon	Medium							
<i>Fagus grandifolia</i>	American beech	Medium							
<i>Fraxinus americana</i>	White ash	Medium							

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Fraxinus pennsylvanica</i>	Green ash	Medium						x	x
<i>Fraxinus quadrangulata</i>	Blue ash								
<i>Gymnocladus dioicus</i>	KY coffee tree								
<i>Hamamelis virginiana</i>	Witchhazel	Dry							
<i>Ilex verticillata</i>	Winterberry	Medium							
<i>Juglans nigra</i>	Black Walnut	Medium							
<i>Juniperus virginiana</i>	Eastern red cedar								
<i>Lindera benzoin</i>	Spicebush	Medium							
<i>Liquidambar styraciflua</i>	Sweet gum	Dry							x
<i>Liriodendron tulipifera</i>	Tulip tree	Medium							
<i>Nyssa sylvatica</i>	Black gum	Medium							x
<i>Parthenocissus quinquefolia</i>	Virginia creeper	Medium							
<i>Physocarpus opulifolius</i>	Ninebark	Medium							
<i>Platanus occidentalis</i>	Sycamore	Wet							x

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
Populus deltoides	Eastern cottonwood	Wet							
Populus tremuloides	Quaking aspen	Medium							
Prunus serotina	Black cherry	Medium							
Prunus virginiana	Choke cherry	Medium							
Quercus alba	White oak	Medium							x
Quercus bicolor	Swamp white oak	Wet						x	x
Quercus coccinea	Scarlet oak	Dry							
Quercus imbricaria	Shingle Oak	Dry							
Quercus macrocarpa	Bur oak	Medium						x	x
Quercus muhlenbergii	Chinquapin oak	Dry							
Quercus palustris	Pin oak	Wet						x	x
Quercus rubra	Red oak	Dry							x
Quercus shumardii	Shumard oak	Medium							
Quercus velutina	Black oak	Dry							
Rhus aromatica	Fragrant sumac	Dry							
Rhus copallina	Winged sumac	Medium							
Rhus typhina	Staghorn sumac	Dry							
Salix amygdaloides	Peachleaf willow	Medium						x	
Salix discolor	Pussy willow	Medium							
Salix nigra	Black willow	Medium						x	

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				Saturated	Shallow	Shallow	Deep	Tested <sup>3</sup>	
<i>Salix sericea</i>	Silky willow	Wet							
<i>Sambucus canadensis</i>	Elderberry	Medium							x
<i>Sassafras albidum</i>	Sassafras	Medium							
<i>Spiraea alba</i>	Meadowsweet	Wet							x
<i>Spiraea tomentosa</i>	Steeple bush	Wet							x
<i>Staphylea trifolia</i>	Bladdernut	Medium							
<i>Taxodium distichum</i>	Bald cypress	Wet							x
<i>Thuja occidentalis</i>	Arborvitae	Medium							
<i>Tilia americana</i>	American basswood	Medium							
<i>Viburnum cassinoides</i>	With-rod	Medium							
<i>Viburnum dentatum</i>	Arrow wood	Medium						x	
<i>Viburnum lentago</i>	Nannyberry	Medium						x	x
<i>Viburnum prunifolium</i>	Black haw	Medium							x
<i>Viburnum recognitum</i>	Northern arrow-wood	Medium							
<i>Viburnum trilobum</i>	American highbush cranberry	Wet							x

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