

Appendix E. Plant List

The following plant list was created to guide users of this manual in general selection of appropriate plants for the region. However, plant species commonly grown in landscape areas in San Antonio will grow differently in BMP applications, especially where amended or engineered soils are used. Please see the individual BMP design guidance in Appendix B before selecting plants. Plant selection and care is also dependent upon other factors such as microclimate, soil, rainfall, season, placement (e.g., north side of building), density, efficiency, and use. A knowledgeable landscape architect, horticulturalist, botanist, ecologist or arborist, preferably with experience in the San Antonio area, should be consulted for final plant selection. In addition, local tree preservation and landscaping regulations may limit the use of certain species.

Detailed information about native plants is available from the Native Plant Information Network (NPIN) at <http://www.wildflower.org/explore/>. To find a plant's county-by-county distribution, please search the USDA's Plants Database at: <http://plants.usda.gov/>. To find native plant suppliers in your area, visit <http://www.wildflower.org/suppliers/>.

Common name	Scientific name	Native to Central TX ¹	Size		Evergreen (E) or Deciduous (D)	Lifespan / Duration (Annual [A], Perennial [P], Biennial [B])	Light			Drought tolerant	Soil Moisture				Irrigation ²	Comments
			Height	Spread			Sun	Part sun/shade	Shade		Dry	Moist	Wet	Shallow water		
SHADE TREES															1/4" - 3/4"	
American elm	<i>Ulmus americana</i>	✓	72'-90'	50'-70'	D	200+ yrs	✓	✓		Semi						
American sycamore	<i>Platanus occidentalis</i>		75'-100'	50'-70'	D	200+ yrs	✓	✓	✓	Semi						
Arizona ash	<i>Fraxinus velutina</i>		36'-72'	45'-60'	D	30+ yrs	✓			✓					-	Fast-growing
Bald cypress	<i>Taxodium distichum</i>	✓	50'-75'	30'-60'	D	600+ yrs	✓	✓		Semi					+	
Black walnut	<i>Juglans nigra</i>	✓	72'-100'	72'-100'	D	100+ yrs	✓	✓		Semi						Certain plants sensitive to tannins from walnut husks
Black willow	<i>Salix nigra</i>	✓	36'-72'	36'-72'	D	65+ yrs	✓	✓	✓	Semi					+	Fast-growing
Box elder	<i>Acer Negundo</i>		35'-50'	30'-40'	D	75+ yrs	✓	✓		✓						Fast-growing, susceptible to breakage
Bur oak	<i>Quercus macrocarpa</i>	✓	36'-100'	36'-100'	D	200+ yrs	✓	✓	✓	✓					+	
Canby oak	<i>Quercus canbyi</i>		20'-35'	20'-35'	E	100+ yrs	✓			✓						
Cedar elm	<i>Ulmus crassifolia</i>	✓	50'-70'	40'-60'	D	100+ yrs		✓		✓						Fast growing, long-living
Cottonwood	<i>Populus deltoides</i>	✓	12'-36'	12'-30'	D	100+ yrs	✓	✓	✓	✓					+	Fast-growing, susceptible to breakage
Honey mesquite	<i>Prosopis glandulosa</i>	✓	12'-36'	12'-36'	D	75+ yrs	✓			✓					-	Thorny
Mexican sycamore	<i>Platanus mexicana</i>		40'-50'	30'-35'	D	70+ yrs	✓	✓		✓						Benefits from occasional deep soakings
Montezuma cypress	<i>Taxodium mucronatum</i>		36'-72'	30'-60'	E	700+ yrs		✓		Semi					+	Deciduous in colder climates
Pecan	<i>Carya illinoensis</i>	✓	70'-100'	50'-70'	D	200+ yrs	✓			Semi						Edible fruit, prune to maintain strong branching
Sugarberry/Hackberry	<i>Celtis laevigata</i>	✓	60'-80'	60'-70'	D	60+ yrs		✓		✓					-	
UNDERSTORY & SMALL TREES															1/4" - 3/4"	
Anaqua	<i>Ehretia anacua</i>	✓	20'-45'	20'-45'	E	60+ yrs	✓	✓		✓					-	Edible fruit for wildlife
Guajillo	<i>Acacia berlandieri</i>		3'-15'	3'-15'	D	15+ yrs	✓	✓		✓					-	

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			Height	Spread			Sun	Part sun/shade	Shade		Dry	Moist	Wet	Shallow water		
Huisache	<i>Acacia farnesiana</i>	✓	15'-25'	15'-25'	D	30+ yrs	✓			✓					-	Thorny, forms dense thickets through suckers
Mexican buckeye	<i>Ungnadia speciosa</i>	✓	20'-30'	15'-20'	E	60+ yrs		✓		✓						Seeds toxic if eaten
Mexican plum	<i>Prunus mexicana</i>	✓	15'-35'	15'-35'	D	25+ yrs	✓	✓		✓						Edible fruit
Red mulberry	<i>Morus rubra</i>	✓	12'-36'	10'-30'		50+ yrs	✓	✓	✓	✓						Ripened fruit edible, toxic: leaves, stems, unripened fruit
Retama	<i>Parkinsonia aculeata</i>	✓	12'-36'	15'-40'	D	15+ yrs	✓			✓						Thorny, self-seeds aggressively in moist soils
TX or Mexican redbud	<i>Cercis canadensis</i>	✓	10'-20'	10'-20'	D	20+ yrs	✓	✓		✓					-	
Texas persimmon	<i>Diospyrus texana</i>	✓	15'-35'	15'-35'	E	50+ yrs	✓	✓		✓					-	Edible fruit
SHRUBS											1/4" - 1/2"					
American beautyberry	<i>Callicarpa americana</i>	✓	3'-5'	3'-5'	D	P		✓		Semi						
Black brush acacia	<i>Acacia rigidula</i>	✓	5'-15'	5'-15'	D	P	✓	✓		✓					-	Thorny, suckers readily, often used for erosion control
Buttonbush	<i>Cephalanthus occidentalis</i>	✓	6'-12'	6'-10'	D	P		✓	✓						+	
Chile pequin	<i>Capsicum annuum</i>	✓	1'-2'	1'-2'	D	P	✓	✓	✓	✓						Edible fruit (hot pepper)
Common elderberry	<i>Sambucus nigra ssp. Canadensis</i>	✓	6'-12'	6'-12'	D	P		✓							+	Ripened fruit edible, toxic: leaves, stems, unripened fruit
Dwarf palmetto	<i>Sabal minor</i>	✓	5'-10'	5'-10'	E	P	✓	✓	✓	✓						
False willow	<i>Baccharis neglecta</i>	✓	6'-12'	6'-12'	E	P		✓		✓					-	Semi-evergreen
Illinois bundleflower	<i>Desmanthus illinoensis</i>	✓	2'-3'	1'-2'	D	P	✓			Semi						
Indigo spires salvia	<i>Salvia 'Indigo Spires'</i>		3.5'	3.5'	D	P	✓			✓						

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			Height	Spread			Sun	Part sun/shade	Shade		Dry	Moist	Wet	Shallow water		
Narrow-leaf water primrose	<i>Ludwigia octovalvis</i>	✓	3'-6'	2'-4'	D	P	✓	✓							+	Fast-growing, reseeds readily
River fern	<i>Thelypteris kunthii</i>	✓	2.5'	1'	E	P		✓	✓	Semi						
Rock rose	<i>Pavonia lasiopetala</i>	✓	4'	4'	D	P	✓	✓		✓					-	
Texas lantana	<i>Lantana urticoides</i> (L. horrida)	✓	2'-6'	2'-6'	E	P	✓	✓		✓					-	Stems become thorny with age
Texas sage	<i>Leucophyllum frutescens</i>	✓	2'-8'	2'-8'	E	P	✓	✓		✓					-	
Texas star hibiscus	<i>Hibiscus coccineus</i>		3'-6'	3'-6'	D	P	✓			Semi					+	
Turk's cap	<i>Malvaviscus arboreus</i> var. <i>drummondii</i>	✓	3'-5'	3'-5'	E	P		✓	✓	✓						
GRASSES & GRASS-LIKE FORBS											1/4"–1/2"³					
Big bluestem	<i>Andropogon gerardii</i>	✓	4'-8'	spreads	E*	P	✓	✓		✓						Droops with high soil moisture
Buffalograss	<i>Bouteloua dactyloides</i>	✓	6"-12"	spreads	E	P	✓			✓					-	Semi-evergreen, spreads by rhizomes
Bushy bluestem	<i>Andropogon glomeratus</i>		2'-5'	spreads	E*	P	✓								+	
Canada wildrye	<i>Elymus canadensis</i>	✓	2'-4'	spreads	E*	P	✓	✓		✓						Establishes quickly
Cane Bluestem	<i>Bothriochloa barbinodis</i>	✓	1'-3'	spreads	E*	P	✓			✓						
Eastern gamagrass	<i>Tripsacum dactyloides</i>	✓	3'-6'	spreads	E	P		✓							+	
Fringed windmillgrass	<i>Chloris ciliata</i>		1'-3'	spreads	E*	P		✓		Semi						
Green sprangletop	<i>Leptochloa dubia</i>	✓	2'-3'	spreads	E*	P	✓	✓		✓						
Gulf Coast muhly grass	<i>Muhlenbergia capillaris</i>	✓	1.5'-3'	1.5'-3'	E*	P	✓			Semi						
Hairy grama	<i>Bouteloua hirsuta</i>	✓	6"-18"	spreads	E*	P		✓		✓					-	

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			Height	Spread			Sun	Part sun/shade	Shade		Dry	Moist	Wet	Shallow water		
Hooded windmillgrass	<i>Chloris cucullata</i>	✓	6"-24"	spreads	E*	P	✓	✓		Semi						
Indiangrass	<i>Sorghastrum nutans</i>	✓	3'-6'	spreads	E*	P	✓	✓		✓						
Inland sea oats	<i>Chasmanthium latifolium</i>	✓	2'-4'	spreads	E*	P		✓	✓	Semi						Spreads aggressively, often used for erosion control
Horsetail (Scouringrush)	<i>Equisetum hyemale var. affine</i>	✓	2'-4'	spreads	E	P	✓	✓		Semi				+		Spreads aggressively
Lindheimer's muhly	<i>Muhlenbergia lindheimeri</i>	✓	2'-5'	2'-5'	E	P	✓			✓						Semi-evergreen
Liriope	<i>Liriope muscari</i> 'Big Blue'		12"-18"	12"-18"	E	P		✓	✓	✓						
Little bluestem	<i>Schizachyrium scoparium</i>	✓	1.5'-2'	spreads	E*	P	✓	✓		✓						Will not tolerate wetlands
Needle spikerush	<i>Eleocharis acicularis</i>	✓	6"	spreads	E*	A	✓							+		
Plains bristlegrass	<i>Setaria leucopila</i>	✓	3'-6'	spreads	E*	P	✓			✓				-		
Purple threeawn	<i>Aristida purpurea</i>	✓	12"-18"	spreads	E*	A	✓			✓				-		Good for erosion control
Purpletop	<i>Tridens flavus</i>	✓	2'-6'	spreads	E*	P	✓	✓		✓						
Sand lovegrass	<i>Eragrostis trichodes</i>	✓	1'-3'	spreads	E*	P		✓		✓						Adapts to heavier soils
Seep muhly	<i>Muhlenbergia reverchonii</i>	✓	1'-3.5'	1'-3.5'	E	P	✓			✓						
Sideoats grama	<i>Bouteloua curtipendula</i>	✓	1'-3'	spreads	E*	P	✓	✓		✓						State grass of Texas
Slender spikerush	<i>Eleocharis tenuis</i>	✓	1'-3'	spreads	E*	P	✓							+		
Softstem bulrush	<i>Schoenoplectus/Scirpus tabernaemontani</i>	✓	3'-6'	spreads	E*	P	✓							+		Good for habitat reconstruction
Squarestem spikerush	<i>Eleocharis quadrangulata</i>	✓	1.5'-4'	spreads	E*	P	✓							+		
Switchgrass	<i>Panicum virgatum</i>	✓	3'-6'	spreads	E*	P	✓	✓		✓				+		

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			Height	Spread			Sun	Part sun/shade	Shade		Dry	Moist	Wet	Shallow water		
Texas cupgrass	<i>Eriochloa sericea</i>	✓	1'-2'	spreads	E*	P	✓	✓		✓						Does not grow rhizomously
Texas grama	<i>Bouteloua rigidiseta</i>	✓	6"-12"	spreads	E*	P	✓			✓					-	
Vine mesquite	<i>Panicum obtusum</i>	✓	1'-2'	spreads	E*	P		✓		✓						
Western wheatgrass	<i>Pascopyrum smithii</i>	✓	1'-2.5'	spreads	E*	P	✓	✓		✓						Turf grass, can crowd out other grasses
VINES												1/4"-1/2"				
Alamo vine	<i>Merremia dissecta</i>	✓	6'-12'	4'-10'	D	P	✓	✓		✓						Twining climber, can be aggressive
Carolina snailseed	<i>Cocculus carolinus</i>	✓	3'-15'	3'-15'	D	P		✓		Semi						Spreads vigorously, fast-growing
Mustang grape	<i>Vitis mustangensis</i>	✓	36'-72'	36'-72'	D	P		✓		✓				-		Twining climber, edible fruit
Old man's beard	<i>Clematis drummondii</i>	✓	20'-25'	3'-6'	D	P		✓		✓						
Passionflower	<i>Passiflora foetida v. hirsuta</i>	✓	15'-20'	3'-6'	D	A	✓	✓		✓				-		Twining climber, edible fruit, suckers vigorously
Peppervine	<i>Ampelopsis arborea</i>		30'-40'	30'-40'	E	P	✓	✓		Semi						Semi-evergreen, aggressive, climbing and/or trailing
Trumpet creeper	<i>Campsis Radicans</i>		25'-35'	6'-8'	D	P	✓			✓						Climbs by aerial rootlets, aggressive
Virginia creeper	<i>Parthenocissus quinquefolia</i>	✓	12'-36'	12'-36'	D	P	✓	✓	✓	Semi						High climbing or trailing with tendrils, toxic berries
SMALL FORBS & GROUND COVER												1/2"-1 1/2"				
American basketflower	<i>Centaurea americana</i>	✓	2'-5'	2'-5'	D	A	✓			✓						
American water-willow	<i>Justicia americana</i>	✓	1'-3'	1'-3'	D	P	✓	✓	✓					+		
Annual sunflower	<i>Helianthus annuus</i>	✓	2'-8'	1'-2'	D	A	✓	✓		✓						Spreads rapidly by seed

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Autumn sage (salvia)	<i>Salvia gregii</i>	✓	2.5'	2.5'	E	P	✓			✓					-	Stems brittle - avoid foot traffic
Bee blossom	<i>Gaura suffulta</i>	✓	1'-3'	1'-2'	D	A	✓			Semi						
Black-eyed Susan	<i>Rudbeckia hirta</i>	✓	1'-3'	1.5'-2'	D	A	✓	✓		✓						
Blackfoot daisy	<i>Melampodium leucanthum</i>	✓	6"-12"	1'-2'	D	P	✓	✓		✓						
Blue curls	<i>Phacelia congesta</i>	✓	1'-3'	2'-3'	D	A	✓	✓	✓	✓						Best if sheltered from west sun, stem is brittle
Broadleaf arrowhead	<i>Sagittaria latifolia</i>		1'-3'	1'-3'	D	P	✓	✓							+	
Bulbine	<i>Bulbine frutescens</i>		1'-2'	2'-3'	E	P	✓	✓		✓					-	
Bush sunflower	<i>Simsia calva</i>	✓	1'-3'	1'-3'	D	P	✓			✓					-	
Butterflyweed	<i>Asclepias tuberosa</i>		1'-2'	1'-2'	D	P	✓	✓		✓						Roots and plant sap are toxic
Clasping leaf coneflower	<i>Dracopis amplexicaulis</i>	✓	1'-2'	1'-2'	D	A	✓	✓		Semi						
Cowpen daisy	<i>Verbesina encelioides</i>	✓	1'-3'	1'-2'	D	A	✓			✓					-	
Drummond phlox	<i>Phlox drummondii</i>	✓	6"-18"	6"-18"	D	A	✓	✓		✓						
Drummond's woodsorrel	<i>Oxalis drummondii</i>	✓	6"-12"	6"-12"	D	P	✓	✓		✓						
Engelmann's daisy	<i>Engelmannia peristenia</i>	✓	1.5'-2'	1'-3'	E	P		✓	✓	✓						
Foxglove	<i>Penstemon cobaea</i>	✓	1'-2'	1'-2'	D	P	✓	✓		✓						May go dormant during summer
Frogfruit	<i>Phyla nodiflora</i>	✓	3"-6"	3"-6"	E	P	✓	✓	✓	✓					+	Semi-evergreen, tolerates drought and flooding
Gayfeather	<i>Liatris mucronata</i>	✓	1'-3'	1'-2'	D	P	✓	✓		✓					-	Excessive water causes root rot
Golden wave	<i>Coreopsis basilis</i>	✓	6"-18"	6"-18"	D	A	✓	✓		✓						

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Greenthread	<i>Thelesperma filifolium</i>	✓	1'-3'	1'-2'	D	A	✓			✓					-	
Hill Country rain lily	<i>Cooperia pedunculata</i>	✓	6"-12"	3"-6"	D	P	✓			Semi						Blooms after rain
Horsemint	<i>Monarda citriodora</i>	✓	1'-2'	1'-2'	D	A	✓	✓		✓						
Huisache daisy	<i>Amblyolepis setigera</i>	✓	6"-15"	6"-15"	D	A	✓	✓		✓						
Indian blanket	<i>Gaillardia pulchella</i>	✓	12"-18"	12"-18"	D	A	✓	✓		✓						
Indian paintbrush	<i>Castilleja coccinea</i>		1'-2'	6"-9"	D	A	✓			Semi						
Lanceleaf coreopsis	<i>Coreopsis lanceolata</i>		1'-2.5'	1'-2'	E	P	✓	✓	✓	✓						Not reliably perennial, but self-sows readily
Lindheimers senna	<i>Senna lindheimeriana</i>	✓	1'-3'	3'-6'	D	P	✓	✓		✓					-	
Maximilian sunflower	<i>Helianthus maximiliani</i>	✓	4'-6'	3'-6'	D	P	✓	✓		Semi						
Mealy blue sage	<i>Salvia farinacea</i>	✓	2'-3'	1'-2'	D	P	✓	✓		✓					-	
Mexican hat	<i>Ratibida columnifera</i>	✓	1'-3'	1'-2'	D	P	✓	✓		✓						Can be aggressive
Money plant, water pennywort	<i>Hydrocotyle umbellata</i>		3"-10"	3"-10"	D	P	✓	✓	✓						+	Can absorb pollutants
Obedient plant	<i>Physostegia intermedia</i>	✓	1'-5'	1'-3'	D	P	✓	✓	✓						+	
Partridge pea	<i>Cassia/Chamaecrista fasciculata</i>		1'-3'	1'-3'	D	A	✓	✓		✓						
Pickerelweed	<i>Pontederia cordata</i>	·	3'-4'	2'-3'		P	✓	✓							+	
Pigeonberry	<i>Rivina humilis</i>	✓	6"-18"	2'-3'	D	P		✓		Semi						Toxic if ingested
Pink evening primrose	<i>Oenothera speciosa</i>	✓	1'-2'	1'-2'	E	P	✓	✓		✓						Semi-evergreen
Pitcher sage	<i>Salvia azurea</i>	✓	2'-4'	1'-3'	D	P	✓	✓		✓						
Plains coreopsis	<i>Coreopsis tinctoria</i>	✓	1'-2'	6"-12"	D	A	✓	✓		Semi						
Prairie verbena	<i>Glandularia bipinnatifida</i>	✓	6"-12"	6"-12"	D	P	✓	✓		✓						
Purple coneflower	<i>Echinacea purpurea</i>		2'-4'	2'-4'	D	P	✓	✓		✓					-	
Purple Iris	<i>Iris brevicaulis</i>		1'-2'	1'-2'	D	P		✓	✓	Semi					+	

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Purple prairie clover	<i>Dalea purpurea</i>	✓	1'-3'	1'-2'	D	P	✓			✓						
River primrose	<i>Oenothera jamesii</i>	✓	3'-6'	3'-6'	D	B	✓							+		
Scarlet sage	<i>Salvia coccinea</i>	✓	6"-24"	6"-24"	E	P	✓	✓		Semi						Semi-evergreen
Scrambled eggs	<i>Corydalis aurea</i>		6"-12"	9"-24"	D	A	✓			Semi						
Standing cypress	<i>Ipomopsis rubra</i>	✓	2'-4'	1'-2'	D	B	✓	✓		✓				-		
Straggler daisy	<i>Calyptocarpus vialis</i>	✓	6"-12"	2'-3'	E	P	✓	✓	✓	✓						Semi-evergreen
Texas betony	<i>Stachys coccinea</i>		2.5'	2.5'	D	P		✓		Semi						
Texas bluebonnet	<i>Lupinus texensis</i>	✓	6"-18"	6"-18"	D	A	✓			✓						State flower of Texas
Texas vervain	<i>Verbena halei</i>	✓	1'-3'	15"	D	P	✓			✓				-		
Water hyssop	<i>Bacopa monnieri</i>	✓	6"-12"	6"-12"	D	P	✓	✓						+		
White guara	<i>Gaura lindheimeri</i>		2'-5'	1'-3'	D	P	✓	✓		Semi						Can aggressively overtake other plants
White prairie clover	<i>Dalea candida</i>	✓	1'-2'	1'-2'	D	P	✓			✓						
White pricklypoppy	<i>Argemone albiflora</i>	✓	2'-4'	2'-4'	D	A	✓	✓		✓						Toxic foliage, can absorb pollutants
Widow's tears	<i>Commelina erecta</i>	✓	6"-18"	6"-18"	D	P		✓		✓						
Wild petunia	<i>Ruellia nudiflora</i>	✓	1'-2'	1'-2'	D	P	✓	✓	✓	✓						
Winecup	<i>Callirhoe involucrata</i>	✓	6"-12"	1'-2'	E	P	✓	✓		✓						Semi-evergreen

* Year-round leaf retention, but foliage loses color during dormancy

¹ Designates species definitively native to Central Texas. All other species listed are native to at least one region in the State of Texas. Exceptions: Canby Oak, Texas Star Hibiscus, Indigo Spires, Bulbine, and Liriope

² For establishment estimate purposes. Does not account for possible rainfall. + /- indicates individual species demands relative to noted categorical range and is dependent upon other factors such as microclimate, soil, rainfall, season, placement, density, efficiency, and use.

³ Turf grasses have significantly higher water demands at 3/4" - 2" (weekly).

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