

Landscaping with native Grasses



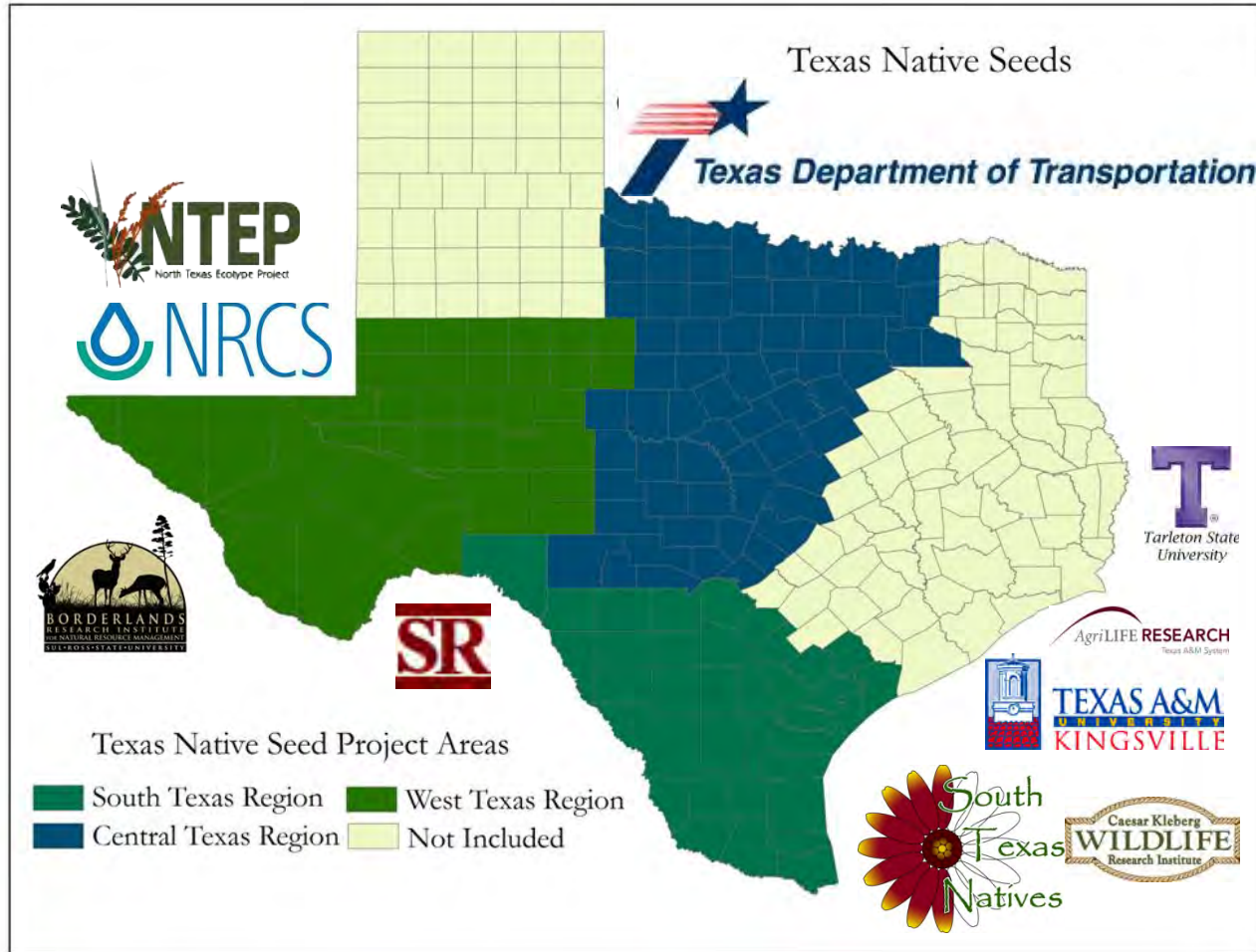
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South Texas Natives*



- STN formalized in 2001 by founding grant from the Robert J. Kleberg, Jr. and Helen C. Kleberg Foundation
- 2001: commercial seeds of native plants for south Texas were not available-the looming IH-69 corridor brought persistent concerns about a lack of native seed to the forefront
- Pasture, rangeland, restoration, and reclamation plantings used exotic grass seed
- Landowners and agencies desired native seeds for these uses, but could not obtain them

History

Texas



- Allow multiple use of the landscape
- Best meet habitat requirements of wildlife
- Support today's economic opportunities (hunting, wildlife, ecotourism, and other forms of outdoor recreation)
- Facilitate ecosystem services (water, pollination, biodiversity, carbon sequestration, clean air, etc.)

Why native plants?

- Few (if any) demonstrated benefits to wildlife
- Limit biodiversity and multiple use
- Tendency to spread from areas they are planted to
- Gradual, yet profound alteration of ecosystem processes
- Shift in landowner goals and objectives
- Change in economic factors benefitting ranches

Why not exotic plants?

- Mimic nature
- Layer
- Still needs some care



Set up

- Plants native to your area
- Preferably from seed or plant stock from your area
- Proven releases or cultivars for your area
- Grasses that meet your criteria (annual, perennial, warm season, cool season)

What plants should I use?

- Desired look
- Size
- Desired maintenance
- Water requirements
- Desired timeline (Transplants, Seed)
- Landscape properties (Soil, Sunlight)

Things to think about



Native plants still need water!



Native Garden Rio Grande Valley







Native Garden Uvalde, TX



Sand Dune Landscape



Landscape bed



Side Walk



Water Feature

- *Setaria leucopila*
- Perennial
- 2-4 feet tall
- Warm season

- *Catarina Blend*
bristlegrass



Plains Bristlegrass

- *Bouteloua curtipendula*
- Perennial
- 2-3 feet tall
- Warm season

- *South Texas
Germplasm sideoats
grama*



Sideoats grama

- *Bouteloua repens*
- Perennial
- 1-2 feet tall
- Warm season

- *Dilley Germplasm*
slender grama



Slender Grama

- *Bouteloua rigidisetata*
- Perennial
- .5-1.5 feet tall
- Warm season

- *Atasocosa*
Germplasm Texas
grama



Texas Grama

- *Bouteloua hirsuta*
- Perennial
- 1-2 feet tall
- Warm season

- *Chaparral*
Germplasm hairy
grama



Hairy Grama

- *Pappophorum bicolor*
- Perennial
- 2-4 feet tall
- Warm season

- *Maverick*
Germplasm pink pappusgrass



Pink Pappusgrass

- *Pappophorum vaginatum*
- Perennial
- 2-4 feet tall
- Warm season

- *Webb Germplasm whiplash pappusgrass*



Whiplash pappusgrass

- *Trichloris crinita*
- Perennial
- 2-5 feet tall
- Warm season

- *Kinney Germplasm*
false Rhodes grass



False Rhodes Grass

- *Chloris subdolichostachya*
- Perennial
- 2-3 feet tall
- Warm season

- *Welder Germplasm*
shortspike
windmillgrass



Shortspike Windmillgrass

- *Chloris cucullata*
- Perennial
- 2-3 feet tall
- Warm season

- *Mariah Germplasm*
hooded
windmillgrass



Hooded Windmillgrass

- *Panicum hallii*
- Perennial
- .5-3 feet tall
- Warm season

- Oso Germplasm
Hall's panicum



Halls Panicum

- *Sporobolus wrightii*
- Perennial
- 3-8 feet tall
- Warm season

- *Falfurrias*
*Germplasm big
sacaton*



Big Sacaton

- *Digitaria californica*
- Perennial
- 3-5 feet tall
- Warm season

- *La Salle Germplasm*
Arizona cottontop



Arizona Cottontop

- *Trichloris pluriflora*
- Perennial
- 3-5 feet tall
- Warm season

- *Hildago Germplasm*
multiflower false
Rhodes grass



Multiflower False Rhodes Grass (Four flower trichloris)

- *Elymus canadensis*
- Perennial
- 2-4 feet tall
- Cool season

- *Lavaca Germplasm*
Canada wildrye



Canada Wildrye

- *Sorghastrum nutans*
- Perennial
- 3-5 feet tall
- Warm season



Indiangrass

- *Schizachyrium scoparium*
- Perennial
- 2-4 feet tall
- Warm season



Little Bluestem

- *Andropogon gerardii*
- Perennial
- 3-6 feet tall
- Warm season



Big Bluestem



- *Paspalum plicatulum*
- Perennial
- 2-4 feet tall
- Warm season



Brownseed Paspalum

- *Andropogon glomeratus*
- Perennial
- 2-4 feet tall
- Warm season



Bushy Bluestem

- *Tripsacum dactyloides*
- Perennial
- 3-5 feet tall
- Warm season



Eastern Gamagrass

- *Spartina spartinae*
- Perennial
- 2-4 feet tall
- Warm season



Gu

- *Muhlenbergia capillaris*
- Perennial
- 1-3 feet tall
- Warm season



Gulf Muhly

- *Chasmanthium latifolium*
- Perennial
- 1-3 feet tall
- Cool season



Inland Sea Oats

- *Tridens muticus*
- Perennial
- 1-3 feet tall
- Warm season



Slim Tridens

- *Panicum virgatum*
- Perennial
- 3-5 feet tall
- Warm season



Switchgrass

- *Aristida purpurea*
- Perennial
- .5-2 feet tall
- Warm season



Threeawn

- *Buchloe dactyloides*
- Perennial
- .2-1 feet tall
- Warm season
- Often used for lawns



Buffalograss

- *Hilaria belangeri*
- Perennial
- .2-1.5 feet tall
- Warm season



Curly mesquite

- Seed blends

- Habiturf

- Blue grama %
- Buffalograss
- Curly mesquite
- Hairy grama
- Texas grama

- Thunder turf

- Sod or plug types

- Turffalo
- Density
- KR?

Commercial native lawn mixes



Questions