

The Trans Pecos Native Plant Material Initiative is a multi-agency collaborative initiative to develop and promote native plants for the restoration and reclamation of native plant communities across west Texas. The initiative's primary goals are to provide economically viable sources of *locally adapted* native seeds and to develop effective restoration strategies for the region.

## The Need For Native Seed **Sources in West Texas**

Restoration of native plant communities is a growing need in West Texas. Common restoration goals include providing habitat for wildlife, revegetating highway right-ofways, and oil and natural gas field reclamation.

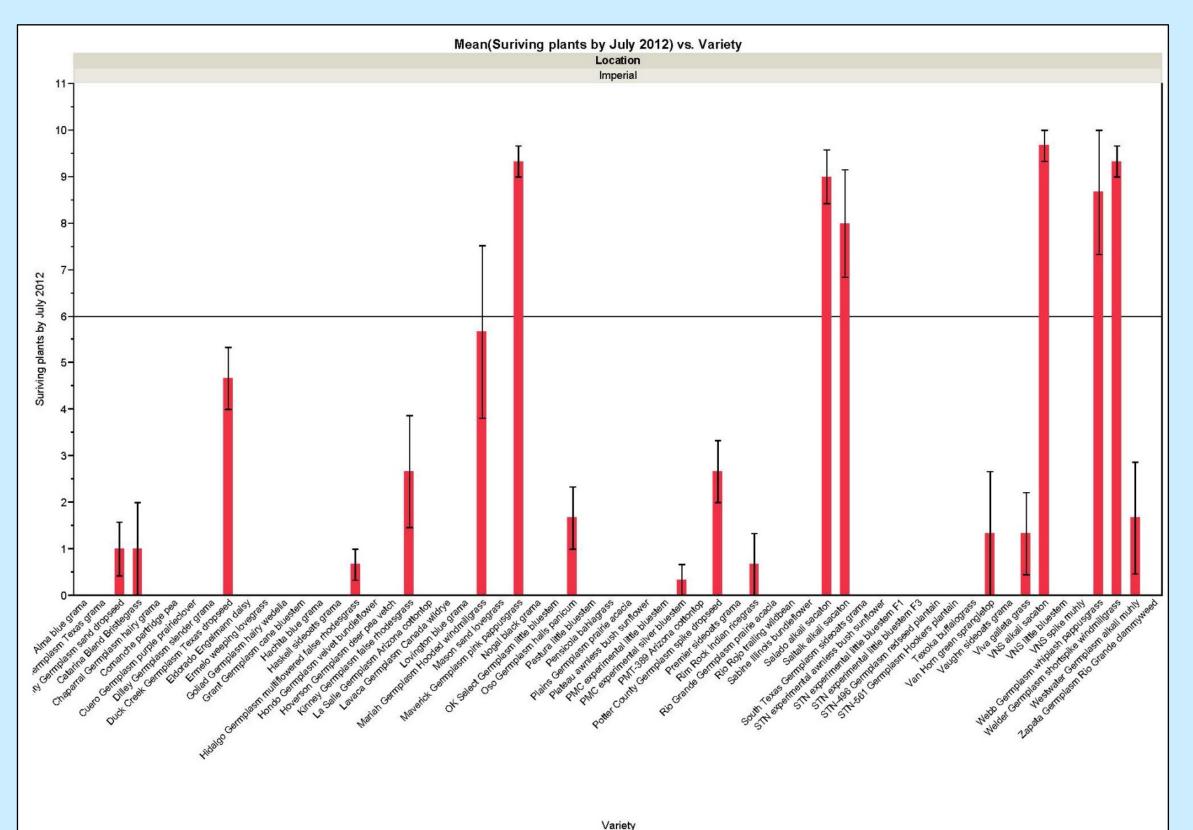


**Pipeline Construction** 



**Degraded Riparian Vegetation, Pecos River, TX** 

Commercial sources of locally adapted native seeds for these kinds of projects are critical for successful restoration. Currently, with the exception of a few grass species, there are no commercial sources of native seeds available that originated from the Trans-Pecos Ecoregion.



## The Trans Pecos Native Plant Material Initiative Shackelford, Colin S.<sup>1</sup>, Forrest S. Smith<sup>2</sup>, Bonnie J. Warnock<sup>3</sup>

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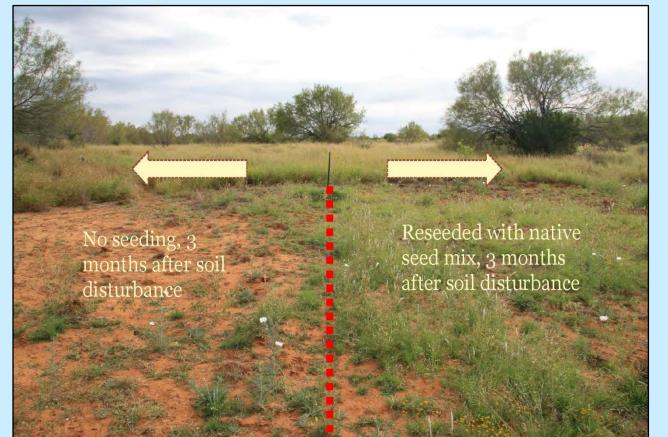
Promote the use of native plants in rangeland restoration, highway right-of-ways, oil and gas production sites and pipelines, energy transmission right-of-ways, and horticultural plantings.



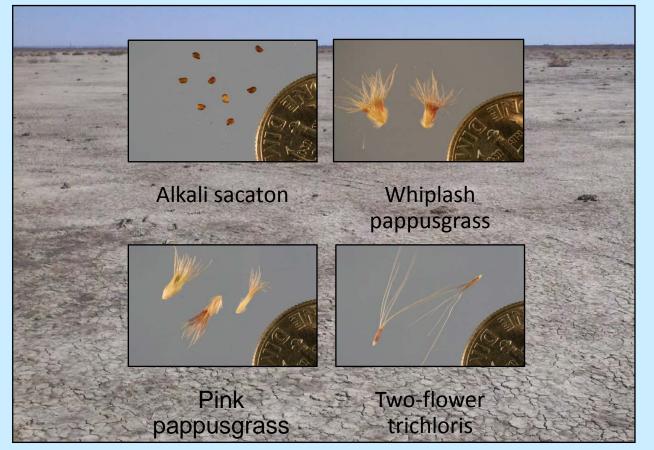


**Pipeline Restoration Experiment** 

Develop and implement restoration and reclamation strategies that can be successfully used to reestablish native plants in disturbed or degraded habitats.



Soil Disturbance Reseeding, South Texas



## **Objectives**

Collect, evaluate, and release seed sources of west Texas native plants to commercial seed producers to facilitate availability of locally adapted native seeds to consumers.



White Tridens Evaluation

**Seeding Pipeline Right-of-way** 

**Pecos River Sodic Soils Restoration** 



**Targeted Collection List** 



**Greenhouse Trials & Production** 



Seed Increase, Webb Whiplash Pappusgrass, **South Texas Natives** 





## Process



**Seed Processing** 





**Commercial Seed Releases, South Texas Natives**