

Texas
Plant Materials Long Range Plan
2013-2018

This Plant Materials Long Range Plan identifies NRCS customer, resource and program needs in the state of Texas that may be addressed by the Plant Materials Centers serving the state. Texas is served by 3 plant materials centers: the James E. “Bud” Smith PMC, East Texas PMC and E. “Kika” de la Garza PMC. This plan will serve as a guide for directing plant materials activities in the state. This plan outlines specific action items that Texas NRCS would like to have incorporated into the PMC business plans of the states that are assigned to serve them.

Table 1. Action Items requested of the Plant Materials Program and the state staff member responsible.

Action Items	State Staff Contact	PMC	Due Date	Date Completed
Technology Development				
<i>1. Evaluate plant adaptability and performance of multiple cover crop species for soil health improvement in Texas. Develop list of recommended species per service area for use as cool and warm season cover crops.</i>	<i>PMS Agronomist</i>	<i>TXPMC ETPMC STPMC</i>		
<i>2. Develop seeding rates and seed mix for wildlife enhancement herbaceous plantings between windbreak rows to benefit pollinators and other wildlife.</i>	<i>PMS Forester Biologist</i>	<i>TXPMC</i>		
<i>3. Develop planting recommendations for windbreak diversity utilizing various shrubs, evergreen and deciduous trees.</i>	<i>PMS Forrester</i>	<i>TXPMC</i>		
<i>4. Evaluate windbreak establishment techniques without using irrigation and weed barrier.</i>	<i>Forester PMS</i>	<i>TXPMC</i>		
<i>5. Evaluate forage quantity and quality of defined grasses for utilization of standing hay crops.</i>	<i>GLCI RMS PMS</i>	<i>TXPMC ETPMC</i>		
<i>6. Develop protocol for cattail propagation and use in ethnobotany related activities.</i>	<i>PMS St Tribal Liaison</i>	<i>STPMC</i>		

Action Items	State Staff Contact	PMC	Due Date	Date Completed
7. Evaluate plant adaptability and performance of native forbs for use in wildlife food plot plantings.	Biologist PMS	ETPMC		
8. Evaluate native plant releases for adaptability in East Texas.	PMS Wetland Specialist	ETPMC		
9. Establish a long term windbreak study evaluating yearly effect on crop production.	PMS Forester Agronomist Economist	TXPMC		
10. Evaluate forb plant establishment success when seeding in the fall versus winter or spring.	PMS Wetland Specialist	TXPMC STPMC ETPMC		
11. Evaluate forb interseeding techniques.	PMS RMS	TXPMC		
12. Evaluate coastal shoreline stabilization techniques.	PMS Wetland Specialist Coastal Ecologist	STPMC		
13. Evaluate direct seeding for wetland restoration.	Wetland Specialist Forester PMS	ETPMC		

Plant Development				
1. <i>Native legumes for wildlife plantings</i>	<i>PMS Biologist</i>	TXPMC ETPMC STPMC		
2. <i>Native cool season plants for grazing and rangeland diversity.</i>	<i>PMS RMS</i>	TXPMC ETPMC STPMC		
3. <i>Native shrubs for rangeland enhancement and application in Lesser Prairie Chicken habitat.</i>	<i>PMS Biologist RMS</i>	TXPMC		
Technology Transfer				
1. <i>Planting Guide for existing windbreak diversity enhancement.</i>	<i>Forester PMS</i>	TXPMC		
2. <i>Technical note summarizing performance of commercially available pollinator seedmixes.</i>	<i>PMS</i>	TXPMC ETPMC STPMC		
3. <i>Technical note summarizing pollinator species and planting techniques for south Texas.</i>	<i>PMS Biologist</i>	STPMC		
4. <i>Technical note describing hydro-phytic plant species important for pollinator habitat.</i>	<i>Wetland Specialist PMS</i>	TXPMC STPMC ETPMC		
Training				
1. <i>Cover crop establishment and benefits</i>	<i>PMS Agronomist</i>	TXPMC STPMC ETPMC		
2. <i>Cattail propagation techniques (Kickapoo Tribe)</i>	<i>PMS</i>	STPMC		
3. <i>Shelterbelt designs for air quality.</i>	<i>PMS Forester</i>	ETPMC		

Demonstration				
<i>1. Demonstration of riparian planting techniques</i>	<i>PMS Forester</i>	TXPMC STPMC		
<i>2. Demonstration of plant adaptations of conservation plant releases.</i>	<i>PMS</i>	TXPMC STPMC ETPMC		
<i>3. Demonstration of cover crop plantings</i>	<i>PMS Agronomist</i>	TXPMC STPMC ETPMC		
<i>4. Demonstration of long leaf pine establishment techniques using herbicide</i>	<i>PMS Forester</i>	ETPMC		
<i>5. Demonstration video (YouTube) of direct seeding technologies for reforestation.</i>	<i>Wetland Specialist Forester PMS</i>	ETPMC		

Table 2. Members of the Texas State Plant Materials Committee

Name	Title	Affiliation
Susan Baggett	State Resource Conservationist	NRCS
Robert Ziehr	Plant Materials Specialist (PMS)	NRCS
Kent Ferguson	State Rangeland Mgmt Spec (RMS)	NRCS
Russell Castro	State Biologist	NRCS
Jeff Goodwin	State GLCI Coordinator (GLCI)	NRCS
Dan Keesee	State Wetland Specialist	NRCS
Rick Williams	State Forester	NRCS
Carl Homeyer	State Economist	NRCS
Kyle Wright	State Water Quality Specialist	NRCS
	Zones 1,2,3,4&5 ECS Specialist	NRCS