

Texas Local Resource Team Priorities 2017



Zone	RT Name	Landuse	Priority 1 Resource Concern	Priority 1 Cause	Priority 2 Resource Concern	Priority 2 Cause	Priority 3 Resource Concern	Priority 3 Cause
Zone 1	EXAMPLE	Irrigated Cropland	Soil Erosion	Classic Gully	Insufficient Energy use	Equipment & Facilities	Livestock Production Limitations	Food
Zone 1	Amarillo	Irrigated Cropland	Insufficient Water	Water Quantity - Inefficient water use on irrigated land. Assist with improving efficiency on irrigation systems such as replacing leaky irrigation pipe, converting from row water to drip irrigation or sprinkler system, water management tools, or nozzle conversions etc.)	Insufficient Energy use	Improve energy use on irrigated land with the installation of variable frequency drive or conversion of conventional tillage or mulch tillage to no till.	Water Quality Degradation	Improve water quality with the installation of well decommissioning, and nutrient and pest management.
		Non-Irrigated Cropland	Soil Erosion	Reduce wind erosion rates by converting cropland to grass with native species.	Soil Erosion	Reduce wind erosion by converting cropland to grass with introduced species.	Soil Erosion	Treat and prevent classic gullies from forming by implementing terrace, diversion and/or grassed waterway systems.
		Rangeland	Livestock Production Limitations	Address inadequate livestock water by installing a livestock water system (well, pumps, pipeline, troughs)	Degraded Plant Condition	Improve forage quality and palatability by installing cross fencing to improve plant health.	Degraded Plant Condition	Treat noxious and invasive plants to improve plant condition with brush management.
Zone 1	Dumas	Irrigated Cropland	Insufficient Water	Assist with installing practices to facilitate a reduction in ground water use such as: Hybrid conversion of existing irrigation sprinkler system, advanced Irrigation Water Management, replacing low head/leaking irrigation pipeline, installing subsurface irrigation system, etc.	Soil Erosion	Reduce wind erosion rates by converting cropland to grass, and to reduce irrigated acres. Adoption of no-till/ridge till system. Implementing the use of Cover Crops.	Soil Quality Degradation	Reduce wind erosion rates by converting cropland to grass, and to reduce irrigated acres. Adoption of no-till/ridge till system. Implementing the use of Cover Crops.
		Non-Irrigated Cropland	Soil Erosion	Reduce wind erosion rates by converting cropland to grass. Implementing the use of cover crops.	Soil Quality Degradation	Reduce wind erosion rates by converting cropland to grass. Adoption of no-till/ridge till system. Implementing the use of Cover Crops.	Insufficient Water	Reduce wind erosion rates by converting cropland to grass. Adoption of no-till/ridge till system. Implementing the use of Cover Crops.
		Rangeland	Degraded Plant Condition	Treat noxious and invasive plants to improve plant condition with brush management. Range seeding to restore plant community.	Soil Erosion	Improve forage quality and palatability by installing cross fencing to improve plant health. Treat noxious and invasive plants to improve plant condition with brush management. Range seeding to restore plant community.	Livestock Production Limitations	Address inadequate livestock water by installing a livestock water system (well, pumps, pipeline, troughs) Treat noxious and invasive plants to improve plant condition with brush management. Range seeding to restore plant community.
Zone 1	Hereford	Irrigated Cropland	Insufficient Water	Increase in Irrigation Efficiency	Soil Erosion	Wind and Water Erosion, Gully Erosion	Water Quality Degradation	Pesticides in Groundwater
		Non-Irrigated Cropland	Soil Erosion	Wind and Water Erosion, Gully Erosion	Soil Quality Degradation	Tillage Operations, Crop Rotation and Residue Mngt	Air Quality Impacts	Emmissions of Particulate Matter & PM Precursors
		Rangeland	Degraded Plant Condition	Prescribed Grazing, Brush Mngt., Livestock Water	Degraded Plant Condition	Brush Mngt, Fencing, Range Seeding, Prescribed Grazing, Water Development	Soil Erosion	Prescribed Grazing, Livestock Water Development, Brush Mngt.
Zone 1	Lamesa	Irrigated Cropland	Insufficient Water	Inefficient use of Irrigation Water	Water Quality Degradation	Nutrients in Groundwater	Soil Erosion	Wind
		Non-Irrigated Cropland	Soil Erosion	Wind	Soil Quality Degradation	Organic Matter	Degraded Plant Condition	Farming/Ranching Practices & Field Operations
		Rangeland	Livestock Production Limitations	Inadequate Water	Degraded Plant Condition	Inadequate Structure and Composition	Soil Erosion	Inadequate Structure and Composition
Zone 1	Lubbock	Non-Irrigated Cropland	Soil Erosion	Farming/Ranching Practices & Field Operations	Soil Quality Degradation	Inadequate Structure and Composition	Water Quality Degradation	Undesirable Plant Productivity and Water Health
		Irrigated Cropland	Insufficient Water	Inefficient use of Irrigation Water	Soil Erosion	Wind	Water Quality Degradation	Farming/Ranching Practices & Field Operations
		Rangeland	Degraded Plant Condition	Inadequate Feed & Forage	Livestock Production Limitations	Inadequate Feed & Forage	Soil Erosion	Inadequate Feed & Forage
Zone 1	Memphis	Irrigated Cropland	Insufficient Water	Water Quantity - Inefficient water use on irrigated land. Assist with improving efficiency on irrigation systems such as replacing leaky irrigation pipe, converting from row water or side roll irrigation to drip irrigation or sprinkler system, etc.)	Water Quality Degradation	Improve energy use on irrigated land with the installation of variable frequency drive or conversion from conventional tillage or mulch tillage to no till.	Soil Erosion	Treat and prevent sheet and rill, ephemeral and classic gullies from forming by implementing terrace, diversion and/or grassed waterway systems.
		Non-Irrigated Cropland	Soil Erosion	Reduce wind and water erosion rates by converting cropland to permanent grass cover.	Soil Erosion	Treat and prevent sheet and rill, ephemeral and classic gullies from forming by implementing terrace, diversion and/or grassed waterway systems.	Soil Quality Degradation	Improve soil health and productivity by converting form conventional tillage to mulch tillage, no-till or cover crops.
		Rangeland	Degraded Plant Condition	Inadequate Structure and Composition	Livestock Production Limitations	Inadequate Feed & Forage	Soil Erosion	Prevent wind and water erosion with prescribed grazing.
		Irrigated Cropland	Water Quality Degradation	Inadequate Water	Water Quality Degradation	N and P	Soil Erosion	Classic Gully

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Zone 1	Plainview	Non-Irrigated Cropland	Soil Erosion	Classic Gully	Soil Quality Degradation	Compaction – tillage/rotation	Water Quality Degradation	N, P and Sediment
		Rangeland	Degraded Plant Condition	Inadequate Feed & Forage	Soil Quality Degradation	Organic Matter - grazing mgmt. Animal Health	Water Quality Degradation	N and P
Zone 1	Snyder	Rangeland	Livestock Production Limitations	Address Livestock Production Limitations (Inadequate Water) by installing a livestock water system (well, pumps, pipeline, troughs)	Livestock Production Limitations	Address Livestock Production Limitations (Inadequate Feed and Forage) by installing cross-fencing.	Degraded Plant Condition	Address Degraded Plant Condition (Excessive Plant Pest Pressure) by implementing brush management practices or prescribed burning.
		Non-Irrigated Cropland	Soil Quality Degradation	Address Soil Quality Degradation (Organic Matter Depletion) by converting cropland to perennial vegetation.	Soil Erosion	Address Soil Erosion (Classic Gully Erosion) by installing structural practices such as diversions, waterways, terraces, etc.	Livestock Production Limitations	Address Livestock Production Limitations by developing livestock water and/or cross-fencing on cropland that is used exclusively for livestock grazing.
		Irrigated Cropland	Insufficient Water	Address Insufficient Water (Inefficient Use of Irrigation Water) by improving efficiency on irrigation systems such as replacing leaky irrigation pipe, converting from row water to drip irrigation of sprinkler system, etc.)	Water Quality Degradation	Address Water Quality Degradation (Pesticides in Groundwater) by well decommissioning.	Air Quality Impacts	Address Air Quality (Emissions of Particulate Matter and PM Precursors) by converting irrigated cropland to perennial vegetation.
Zone 1	Spearman	Irrigated Cropland	Insufficient Water	Inadequate Water	Insufficient Water	Inefficient use of Irrigation Water	Insufficient Energy use	Equipment & Facilities
		Non-Irrigated Cropland	Soil Erosion	Wind	Soil Erosion	Classic Gully	Soil Erosion	Sheet & Rill
		Rangeland	Livestock Production Limitations	Inadequate Water	Degraded Plant Condition	Undesirable Plant Productivity and Water Health	Degraded Plant Condition	Equipment & Facilities
Zone 1	Spur	Rangeland	Livestock Production Limitations	Livestock production limited due to insufficient water amounts and distribution.	Livestock Production Limitations	Livestock production limited due to inadequate feed and forage.	Degraded Plant Condition	Undesirable plant productivity and health, removal of brush and noxious or invasive species.
		Irrigated Cropland	Insufficient Water	Inefficient Use of Water- converting to micro-irrigation or replacement of center pivot.	Insufficient Water	Inefficient Use of Water- conversion of pivot to more efficient pivot system.	Insufficient Water	Inefficient Use of Water- conversion to micro irrigation or replacement of center pivot.
		Non-Irrigated Cropland	Soil Erosion	Wind erosion reduced by converting cropland to permanent vegetation - Range seeding	Soil Erosion	Wind erosion reduced by converting cropland to permanent vegetation – Forage and Biomass	Soil Erosion	Classic Gully Erosions reduced or stopped by installation of any structural practice.

	Priority 1	Priority 2	Priority 3
Air Quality Impacts	0	0	2
Degraded Plant Condition	5	3	3
Fish and Wildlife - Inadequate F	0	0	0
Insufficient Energy use	0	1	0
Insufficient Water	7	0	1
Livestock Production Limitations	3	3	2
Soil Erosion	7	7	8
Soil Quality Degradation	1	6	2
Water Quality Degradation	1	4	6