



Panhandle Groundwater Conservation District

Monthly Operations Report

September 2025 Operations Report

The month of September contained 8 seeding missions over 5 days.

Date	Flares	Counties seeded
3	12	Roberts
9	16 + 1H	Armstrong
15	14 + 1H	Carson, Roberts
17	85 + 5H	Carson, Donley, Potter
20	21 + 2H	Potter
TOTAL	148 + 9H	

September proved to be a fairly active month with eight total seeding flights. The first of these occurred on the 3rd as a weak cold front approached the area. With high pressure moving in from the south, temperatures soared to near 100°F a day later. Then, a strong cold front moved through on the 5th, dropping temperatures as much as 25 degrees. A recon flight was flown this day, but ceilings were too low. The next seeding flight took place on the 9th as a shortwave entered the Panhandle. Another shortwave traversed the region on the 15th, prompting a seeding flight over Carson and Roberts Counties. This active period persisted into the 20th with two seeding flights on the 17th and 20th, along with a recon mission on the 16th. A quiet period then commenced and continued through the end of the month with no additional missions and temperatures about 5 degrees above average.

For the month, 148 glaciogenic flares and 9 hygroscopic flares were used during 18.48 flight hours. For the year, 50 total flights (33 seeding) covering 47.07 hours were conducted with 515 glaciogenic flares and 39 hygroscopic flares.

Most locations saw near to above average precipitation totals for the month. The southeast and eastern areas reported slightly lower rainfall amounts. Totals at three reporting stations were 3.39 in. (Amarillo), 2.62 in. (Pampa), and 1.03 in. (Clarendon). Year-to-date, all stations are near to above average. Temperatures this month were above normal with average high temperatures of +1.2°F in Amarillo.

Looking ahead, October appears to produce below average precipitation and above average temperatures. Climate models and the Climate Prediction Center continue to suggest below average precipitation with above average temperatures through December.



Panhandle Groundwater Conservation District

Monthly Operations Report

Monthly rain gauge measurements from nearest locations inside and out of the target area recorded either by the National Weather Service, Texas Tech University, Mesowest as well as CoCoRaHS.

August 2025 (Normals of 1.69" from Amarillo to 1.75" in Pampa)

Potter County		Wheeler County		Donley County	
Amarillo 15 NNW	1.66	Wheeler 13.3 SSE	1.55	Clarendon 2WSW	1.03
Amarillo (NWS)	3.39	Armstrong County			
Amarillo 9 NNE	1.41	Claude 12SW	5.60		
Carson County		Goodnight	0.82	Out of Target Area	
Panhandle 1 SSW	1.72	Palo Duro Floor	1.24	Borger 7E (Hutchinson)	3.22
Pantex 1 ESE	2.17	AREA AVERAGE 1.83		Fritch 1 WNW (Moore)	2.33
Gray County				Umbarger 3 NNE (Randall)	0.78
Pampa 2E	2.62			Vega 4E (Oldham)	0.57
Lake McClellan 2NW	1.19			Tulia 2 ENE (Swisher)	0.65
Mclean 1E	1.52				

Year to Date (Normals of 15.91" from Amarillo to 18.46" in Pampa)

Potter County		Wheeler County		Donley County	
Amarillo 15 NNW	20.40	Wheeler 13.3 SSE	16.34	Clarendon 2WSW	16.35
Amarillo (NWS)	22.19	Armstrong County			
Amarillo 9 NNE	21.38	Claude 12SW	20.54		
Carson County		Goodnight	18.36	Out of Target Area	
Panhandle 1SSW	28.87	Palo Duro Floor	21.54	Borger 7E (Hutchinson)	26.51
Pantex 1 ESE	20.69	AREA AVERAGE 19.62		Fritch 1 WNW (Moore)	21.36
Gray County				Umbarger 3 NNE (Randall)	23.59
Pampa 2E	17.76			Vega 4E (Oldham)	20.76
Lake McClellan 2NW	19.37			Tulia 2 ENE (Swisher)	18.81
Mclean 1E	19.26				