

## WESTERN KANSAS WEATHER MODIFICATION PROGRAM

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### WEEKLY NEWSLETTER

No. 2016-04

For the period May 7 – May 13, 2016

**General Interest:** The estimate for precipitation accumulation this week, May 16 -23, looks moderately exciting with widespread totals ranging from 0.75 to 1.25 inches across the region while points east are expected to receive progressively higher totals. Temperatures are forecast to remain well below seasonal expectations. No severe weather is expected out through Thursday except for perhaps over extreme southwest Kansas along and near the Oklahoma border counties Monday. Precipitation last week was highest over north-central and eastern Kansas where the range was one to two inches. The local wet spots were Logan, Trego, and Ness counties where several rounds of strong to severe storms, including supercells, produced 0.50 to 2.00 inches along with periods of hail and some tornadic activity.

**Weather:** The week started out stormy with some severe weather across western Kansas on Saturday evening along and near a dryline. An outbreak of severe weather occurred Mother's Day across Kansas to Texas. Locally, the severe storms were located from Goodland southeast through Dodge City. Some tornadoes occurred with these storms. A cold front pushed through Sunday night. Cooler temperatures settled in on Monday along with a few light showers and rumbles of thunder during the afternoon. Widespread light to occasional moderate rains occurred Wednesday night as a large rain mass moved through western Kansas. Tranquil conditions finished the week.

**Operations:** There were two operational days this week, seeding for hail suppression occurred each day.

#### May 7, Program Operations Day #1

Two planes were launched at 7:20 p.m. to investigate a rapidly moving storm pushing through the eastern half of Scott County. The planes briefly patrolled the moderately strong storm as it raced through eastern Scott at 56 mph. The storm shortly exited and then focus turned to a smaller storm near dry lake at 8:21. Seeding for hail suppression began at 8:21 and continued until the storm fell below the hail limit at 8:34. Another storm entered southeastern Scott at 8:36. Seeding on this moderate intensity storm began at 8:45. Seeding was terminated at 8:58 over extreme northwestern Lane. The storm completely exited the target area at 9:07.

#### May 8, Program Operations Day #2

Two planes were launched at 4:09 p.m. to investigate developing storms over Scott County and Lane. Seeding for hail suppression began at 5:06 over southern Lane County on a storm traveling northeast. A few minutes of seeding for hail suppression began over southwestern Scott County at 5:11. Seeding was terminated at 5:35 over Lane. Both planes then patrolled the remains of a small storm over Scott before heading home at 5:55.

**Walter Geiger, Meteorologist**  
**Western Kansas Weather Modification Program**