

Umatilla County Operations Report

Drafted for the *Oregon Department of Agriculture*

Dec 2, 2024

RAINMAKER



November 2024 Weather Modification Report

Type of equipment used, the type and composition of materials used, the times

Drone: Rainmaker Elijah v0



Material: Silver Iodide

Operation Logs:

Date	Time (UTC)	Duration (Minutes)	AgI Mass Dispersed (g)
20241115	22:50:00	15	50
20241121	19:48:00	15	50
20241125	18:57:00	15	50
20241125	20:04:00	15	50
20241125	20:38:00	15	50
20241125	21:11:00	15	50
20241126	00:09:00	15	50
20241126	00:30:00	15	50



20241126	00:50:00	15	50
20241126	01:19:00	15	50
20241126	01:50:00	15	50
20241127	00:05:31	15	50

Locations of equipment operation

West Pilot Rock, Umatilla County

Name and address of each person participating in the operation other than the licensee

Kaitlyn Suski & Teegan Romero

Estimated precipitation gain or loss resulting from the operations

Precipitation yields are still being analyzed. Due to the increased atmospheric activity, our atmospheric scientists are still analyzing the radar data needed to be processed from these events. Once this report has been finalized, supplementary data will be provided.

However, based on the Snotel sites in the path of operations, an above-average amount of snowpack appears to be accumulating in the region.