

Umatilla County Operations Report

Drafted for the *Oregon Department of Agriculture*

Jan 6, 2025

RAINMAKER



December 2024 Weather Modification Report

Equipment, type and composition of materials, operational times

Drone: Rainmaker Elijah v0



Material: Silver Iodide

Operation Logs:

Date	Time (UTC)	Duration (Minutes)	AgI Mass Dispersed (g)
20241201	3:03:48	15	50
20241212	12:32:51	5	50
20241212	12:58:27	5	50
20241212	13:01:29	10	50
20241213	23:01:00	10	50
20241213	23:50:00	5	50
20241214	0:07:00	10	50
20241214	0:48:00	5	50
20241214	0:56:00	10	50
20241217	21:15:00	21	150



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 totals are still being assessed, and Rainmaker's atmospheric research team is diligently reviewing radar data stemming from the recent weather activity. We anticipate providing comprehensive findings and supplemental reports to the Oregon Department of Agriculture once the analysis and season is complete.

Preliminary indicators suggest December was relatively wet, which may have contributed to elevated storm systems throughout the area. Additionally, initial observations from Snotel sites within our operational corridor indicate snowpack levels still outpacing seasonal averages, likely reflecting these heightened precipitation patterns.