



# California Crop Weather

Cooperating with the California Department of Food and Agriculture  
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RELEASED: January 3rd, 2017

FREQUENCY: Weekly  
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## WEATHER

A chilly start to the week with temperatures below average across the state. However, a gradual warming trend over the first half of the week with temperatures stabilizing for the rest of the week and the weekend helped bring some relief from the wintry temperatures. The warming trend was brought about by a retreat of an upper-level trough over the western CONUS and an onshore surge of the Pineapple Express into the southern part of California, shifting northward over the weekend. This brought moderate to heavy rain to much of the state.

Rainfall was limited to the far northwestern mountains on Monday, where over one inch of rain fell. Tuesday and Wednesday were fairly dry, with the Pineapple Express beginning on Thursday evening affecting areas from Salinas to Los Angeles with light rain. Friday and Saturday saw moderate to heavy rain across the southern third of the state, with the heaviest rainfall totals over two inches in and around Bakersfield. The deserts received around an inch of rain, while other locations in the southern valley saw up to one inch. Upslope showers also affected the central Sierras, where up to half an inch of rain fell. On Sunday, the main rainfall areas shifted to the northern half of the state, where most locations saw up to a quarter inch of rain, but the northwestern mountains and windward slopes of the Sierras saw just over half an inch.

Temperatures at higher elevations in the central and southern Sierras were cold enough to cause snowfall. Up to ten inches of new snowfall fell at high elevations, particularly at Mt. Whitney. Up to six inches in the mountains fell just south of Tahoe, and perhaps another two to four inches fell in the far northwestern mountains. However, warm temperatures resulted in a decrease of the mountain snowpack as meltwater runoff increased.

Temperature highs were in the 30s to 50s in the mountains, 40s to 50s along the coast and in the valley, and 50s to 70s in the desert. The temperature lows were between 0s and 30s in the mountains, 20s to 40s in the desert, 30s to 40s in the coast and valley. On Monday and Tuesday temperatures were some 10-15 degrees cooler, with lows in the 20s and widespread hard freezes across the agricultural areas of the valley, and subzero temperatures in the mountains.

## FIELD CROPS

Field preparation for winter forage crops continued where the moisture level of the ground allowed. Winter **wheat** continued to progress well due to adequate moisture in the soil.

## FRUIT CROPS

Post-harvest pruning and orchard removal continued in all deciduous tree fruit orchards and vineyards. Wet weather slowed citrus harvest. Navel and Mandarin **oranges** were harvested and exported. Melogold **grapefruit**, **lemons**, and **limes** were exported. New planting of citrus trees were covered for frost protection.

## NUT CROPS

**Almonds**, **pistachios**, shelled and in-shell **walnuts**, and shelled **pecans** continued to be packed and shipped. Nut orchards continued to be pruned, irrigated, and treated in preparation for their dormant season. Orchard replanting continued.

## VEGETABLE CROPS

In San Joaquin County, winter Farmers' Market vegetables were harvested. In Fresno County, winter vegetables were in good condition. Irrigation was not needed due to the rainy weather.

## LIVESTOCK

With snow covering at higher rangeland, more cattle were in valley pastures and most were being fed supplemental hay. In Fresno County, supplemental feeding of livestock continued as new germination of

rangeland grasses improved from recent rains. Sheep were grazing on idle crop fields, dormant alfalfa, and stubble crop grounds.

CALIFORNIA CROP WEATHER – WEEK ENDING 01/01/2017											
STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 60°F BASE		RAIN DAYS	PRECIPITATION 1/			
	Average Week Ending 01/01/2017	Departure from Normal 2/	High	Low	This Year	Normal Year 2/	This Season	This Week	This Season	Normal Season 2/	Normal Year 2/
					January 1 - 01/01/2017	January 1 - 01/01/2017	July 1 - 01/01/2017	Week Ending 01/01/2017	July 1 - 01/01/2017	July 1 - 01/01/2017	July 1 - June 30
	-- Degrees Fahrenheit --				-- Number --		-- Days 3/ --	-- Inches of Precipitation --			
<b>North Coast</b>											
Eureka_WFO	44	-4	55	29	0	0	54	0.18	23.35	16.19	38.10
Ukiah	43	-3	62	24	0	0	36	0.00	16.16	14.73	38.90
Santa_Rosa_AP	43	-5	61	28	0	0	32	0.00	17.35	11.62	31.01
Napa_State_Hosp	45	-3	60	30	0	0	26	0.00	11.99	9.89	26.46
<b>Central Coast</b>											
San_Francisco_A	49	0	58	39	0	0	25	0.00	9.00	6.95	20.11
San_Jose_AP	48	-2	62	32	0	0	22	0.00	4.25	5.12	15.08
Salinas_AP	51	2	70	36	0	0	13	0.00	3.90	4.33	12.91
Monterey_AP	51	0	69	35	0	0	25	0.02	5.87	6.91	20.35
King_City_Ag	48	-2	69	28	0	0	14	0.09	2.90	3.87	12.30
Paso_Robles_AP	46	-1	63	29	0	0	17	0.07	4.12	3.93	13.08
<b>Sacramento Valley</b>											
Redding	45	1	65	23	0	0	33	0.00	18.73	11.98	33.52
Red_Bluff	46	2	64	26	0	0	32	0.00	11.53	8.93	24.07
Willows_6W	47	3	65	28	0	0	19	0.04	6.25	6.62	19.03
Oroville_AP	45	1	58	28	0	0	29	0.06	10.78	10.48	28.75
Marysville	45	0	60	29	0	0	24	0.00	7.55	8.18	22.07
Sacramento_AP	44	-1	58	29	0	0	27	0.01	9.43	6.19	17.93
<b>San Joaquin Valley</b>											
Stockton	44	0	59	28	0	0	27	0.09	6.16	4.98	13.84
Modesto_AP	45	0	60	31	0	0	22	0.06	5.03	4.43	13.12
Merced_Macready	43	-2	58	28	0	0	20	0.04	4.23	4.10	12.50
Madera_AP	45	2	60	27	0	0	19	0.10	4.01	3.81	11.94
Fresno_AP	45	1	60	30	0	0	15	0.09	4.56	3.48	11.23
Lemoore_NAS	43	-1	59	28	0	0	14	0.29	3.34	2.40	7.89
Visalia_AP	44	0	58	29	0	0	12	0.30	3.21	3.70	11.03
Bakersfield_AP	49	3	66	34	0	0	14	0.91	3.03	1.94	6.49
<b>Cascade Sierra</b>											
Alturas_AP	25	-5	49	-4	0	0	40	0.01	4.00	4.83	12.13
Mount_Shasta_AP	31	-4	47	11	0	0	38	0.05	21.22	14.71	39.16
Blue_Canyon	42	4	58	23	0	0	38	0.07	39.17	24.39	66.36
Yosemite_Valley	37	0	47	21	0	0	21	0.00	13.49	13.67	37.73
<b>South Coast</b>											
Santa_Maria_AP	51	1	74	32	0	0	19	0.03	4.80	4.06	14.01
Santa_Barbara_A	53	1	74	35	0	0	15	0.20	4.82	4.84	16.93
Oxnard_NWS	57	3	80	38	0	0	14	0.40	4.55	4.47	15.62
Riverside_AP	58	4	79	37	0	0	16	0.86	5.22	2.71	10.22
Los_Angeles_AP	59	3	80	43	0	1	17	0.27	4.26	3.87	13.15
San_Diego_AP	60	3	83	46	0	1	17	1.19	5.22	3.26	10.77
<b>Southeast Interior</b>											
Bishop_AP	36	-2	60	14	0	0	4	0.00	0.17	1.87	5.02
Daggett_AP	45	-2	60	30	0	0	7	0.93	2.28	2.01	4.17
Lancaster_ATC	43	0	59	24	0	0	13	0.25	1.99	2.33	7.40
Thermal	53	0	73	35	0	0	11	0.16	1.97	1.64	3.53
Blythe_AP	54	2	69	39	0	0	14	0.77	3.20	2.41	4.02
Imperial_CA	54	0	71	37	0	0	7	0.09	1.13	1.73	2.96

1/ Precipitation (rain or melted snow/ice).

2/ Normal periods 1970-2000 used in Departure From Normal calculations.

3/ Total number of days with precipitation events this season.

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