



California Crop Weather

Cooperating with the California Department of Food and Agriculture

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WEEK ENDING: January 4, 2015
RELEASED: January 5, 2015

FREQUENCY: Weekly
VOL. 35 NO. 27

WEATHER

Two main weather features dominated the weather across the State this week. The first was cold high pressure centered over the Great Basin. The primary effects were dry weather and bitterly cold temperatures. While the valley saw highs in the 50s and lows in the 30s each day, parts of the mountains dropped below zero, and sub-freezing weather reached as far south as the Joshua Tree National Park area. By mid-week the jetstream had shifted to a pattern that began ushering in relatively warmer, moisture-laden air from the Pacific. This resulted in a moderation of nocturnal lows and an influx of moisture, manifesting itself as marine stratus/fog events, particularly along the coasts. As a result, coastal temperatures remained in the 50s across the north and 60s across the south. The combination of clear skies in the valley and moisture influx led to the formation of dense radiation fog on Saturday and Sunday mornings. Widespread frost affected the agricultural zones in the valley early this week, with patchy frost continuing through the weekend. Rain fell across the continually parched southern reaches of the State on Thursday, but rain totals were under half an inch. Portions of the Sierras saw snow showers mainly on Tuesday, but little to no accumulation came of this event. Elsewhere, little to no precipitation fell across the State this week.

FIELD CROPS

Heavy rain has saturated some fields and limited access. Some **wheat** and triticale fields were irrigated. Some fields were sprayed to kill old alfalfa. The wheat crop was rated as 80 percent good to excellent. Pasture and rangeland condition was 35 percent good to excellent.

FRUIT CROPS

Orchard and vineyard activities were slowed as growers waited for saturated fields to dry out sufficiently to be worked. In Fresno County, 60% of grapes were pruned. After pruning, fields were shredded and disked. Navel **oranges**, mandarins, **lemons**, **grapefruit**, and finger **limes** continued to be packed for export and domestic markets.

NUT CROPS

Shelling and processing of stored **walnuts** continued. Mummies were knocked off **almond** trees. There was some pruning and shredding in almond orchards. Tree removals were ongoing and land was prepared for tree planting.

VEGETABLE CROPS

In Monterey County, some brassicas were planted though production was very slow due to the cold. Due to the host free period for Lettuce Mosaic Virus (December 7 through 21) and Celery Mosaic Virus (January), **lettuce** and **celery** production were eliminated until late February. In Sutter County, rain delayed the cultivation of vegetable and seed crops. In Fresno County, dehydrator **onion** planting was finished, while fresh onion planting continued. Organic onions were fertilized and weeded. The second harvest of organic **broccoli** was underway. The first of the **tomato** plant orders were shipped to greenhouses.

LIVESTOCK

Rangeland and pasture conditions were improving. The continuing rain helped with the germination and development of foothill grasses and forbs, but more is still needed. Livestock supplemental feeding of hay and grain continued.

CALIFORNIA CROP WEATHER – WEEK ENDING 1/4/2015

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 60°F BASE		RAIN DAYS	PRECIPITATION			
	Average Week Ending 1/4/2015	Departure from Normal	High	Low	This Year	Normal Year	This Season	This Week	This Season	Normal Season	Normal Year
					January 1 - 1/4/2015	January 1 - 1/4/2015	July 1 - 1/4/2015	Week Ending 1/4/2015	July 1 - 1/4/2015	July 1 - 1/4/2015	July 1 - June 30
	-- Degrees Fahrenheit --				-- Number --		-- Days ^{1/} --	-- Inches of Precipitation --			
North Coast											
Eureka WFO	45	-3	57	29	0	0	48	0.07	19.43	16.69	38.10
Ukiah	42	-4	61	23	0	0	38	0.00	18.12	15.21	38.90
Santa Rosa AP	44	-5	64	27	0	0	32	0.00	17.96	11.97	31.01
Napa State Hosp	45	-2	60	28	0	0	35	0.00	15.91	10.20	26.46
Central Coast											
San Francisco A	48	0	57	38	0	0	26	0.00	11.92	7.22	20.11
San Jose AP	45	-6	56	30	0	0	24	0.00	8.54	5.30	15.08
Salinas AP	48	-3	64	34	0	0	23	0.00	7.95	4.48	12.91
Monterey AP	48	-4	60	34	0	0	32	0.00	12.07	7.17	20.35
King City Ag	43	-6	63	23	0	0	18	0.00	5.19	4.02	12.30
Paso Robles AP	42	-6	61	24	0	0	16	0.05	5.72	4.10	13.08
Sacramento Valley											
Redding	45	0	62	27	0	0	44	0.02	19.71	12.38	33.52
Red Bluff	43	-3	59	28	0	0	43	0.01	18.79	9.22	24.07
Willows 6W	43	-2	57	29	0	0	33	0.00	15.84	6.98	19.03
Oroville AP	41	-4	54	28	0	0	32	0.00	13.64	10.82	28.75
Marysville	42	-4	57	26	0	0	30	0.00	10.81	8.46	22.07
Sacramento AP	43	-2	57	28	0	0	26	0.00	9.17	6.42	17.93
San Joaquin Valley											
Stockton	42	-3	57	25	0	0	26	0.00	7.08	5.15	13.84
Modesto AP	42	-4	58	27	0	0	23	0.00	5.42	4.57	13.12
Merced Macready	42	-3	57	27	0	0	20	0.00	4.75	4.25	12.50
Madera AP	41	-4	55	26	0	0	14	0.00	3.71	3.94	11.94
Fresno AP	41	-4	55	28	0	0	9	0.00	3.13	3.61	11.23
Lemoore NAS	40	-5	55	24	0	0	11	0.00	3.04	2.50	7.89
Visalia AP	41	-4	54	27	0	0	8	0.00	3.90	3.83	11.03
Bakersfield AP	42	-5	58	28	0	0	9	0.11	2.72	2.00	6.49
Cascade Sierra											
Alturas AP	26	-4	49	5	0	0	46	0.06	5.26	4.92	12.13
Mount Shasta AP	34	0	55	19	0	0	47	0.04	22.22	15.14	39.16
Blue Canyon	37	-3	54	22	0	0	41	0.00	25.83	25.09	66.36
Yosemite Valley	36	-1	58	21	0	0	22	0.00	6.15	14.08	37.73
South Coast											
Santa Maria AP	48	-4	65	32	0	0	12	0.00	2.50	4.20	14.01
Santa Barbara A	49	-4	63	30	0	0	10	0.00	4.19	5.03	16.93
Oxnard NWS	49	-7	64	34	0	0	12	0.00	2.84	4.65	15.62
Riverside AP	47	-9	69	30	0	0	16	0.06	2.70	2.84	10.22
Los Angeles AP	50	-8	61	36	0	4	13	0.31	3.42	4.03	13.15
San Diego AP	53	-5	66	41	0	4	13	0.08	3.90	3.39	10.77
Southeast Interior											
Bishop AP	33	-5	58	6	0	0	5	0.00	0.59	1.92	5.02
Daggett AP	41	-6	57	24	0	0	7	0.00	0.64	2.06	4.17
Lancaster ATC	39	-4	62	16	0	0	10	0.00	2.95	2.42	7.40
Thermal	44	-11	66	20	0	0	9	0.02	0.60	1.69	3.53
Blythe AP	44	-9	62	27	0	0	13	0.00	1.06	2.46	4.02
Imperial CA	46	-10	63	27	0	0	11	0.10	2.01	1.77	2.96

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

Precipitation (rain or melted snow/ice) is in inches.

Air Temperatures are in Degrees Fahrenheit.

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

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