



California Crop Weather

Cooperating with the California Department of Food and Agriculture
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WEEK ENDING: December 29, 2013
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WEATHER



A high pressure ridge situated over the Coast dominated the week's weather for California. This pattern resulted in dry and mild weather. No significant precipitation was recorded during the Christmas week, a very unusual situation. Daytime temperatures were generally above normal all

across California during the week with highs reaching middle 70 degrees across the Central Valley and low 80 degrees in Southern California. The clear dry air resulted in cooler than normal overnight temperatures with frosty conditions common across the Sacramento Valley and the Northern San Joaquin Valley. Gusty offshore winds brought dry conditions to Southern California on Wednesday. This pattern continued through Friday with Red Flag Fire Weather warnings issued for portions of Southern California during the week. A dry weather disturbance passed rapidly through the State on Saturday that brought high cloudiness to Northern California and dry offshore winds to most of the State. No precipitation was associated with this system.

FIELD CROPS

Winter **wheat** conditions continued to decline due to a lack of precipitation and recent winds. Crop development was also hindered by recent cold weather in the North Central Valley. The crop is nearly completely emerged but growth has been slow because of a lack of moisture. Inspectors were checking **cotton** fields to ensure compliance with Cotton Plowdown Regulations.

FRUIT CROPS

Pruning continued in tree fruit orchards. Orchards and vineyards were irrigated due to lack of rain. **Grape** vines continued to lose leaves and go dormant. Discing, shredding brush and trellis work was also ongoing. Citrus harvest was slowed due to the freezing temperatures. Growers used wind machines and overnight irrigation to prevent and limit freeze damage. Navel **oranges** and **mandarins** sustained some freeze damage. Damaged fruit was sent to be juiced.

NUT CROPS

Harvested **almond**, **walnut** and **pistachio** orchards were pruned and irrigated due to lack of rain. Dormant sprays were applied to nut trees. Tree removals were ongoing and land was prepared for tree planting.

VEGETABLE CROPS

Imperial County reported winter vegetables were harvested. **Onions** continued to develop in Tulare County and fields were prepared and planted for winter vegetables. Fresno County reported good conditions for harvesting of **lettuce** and **broccoli**. The **carrot** crop was damaged by the freeze. Fertilizer and herbicides were applied to some fields. Onions were planted and irrigated. **Tomato** beds were prepared. Fields continued to be cleared and cultivated in Sutter County.

LIVESTOCK

Range conditions remained poor and ranchers continued to feed hay before cattle go out on winter pasture. Supplemental feeding continued as new vegetation germinated in lower elevation pastures. Dairy corrals were cleaned in preparation for winter. Sheep grazed on alfalfa fields.

CALIFORNIA CROP WEATHER – WEEK ENDING 12/29/13

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 60°F BASE		RAIN DAYS	PRECIPITATION			
	Average Week Ending 12/29/13	Departure from Normal	High	Low	This Year	Normal Year	This Season	This Week	This Season	Normal Season	Normal Year
					January 1 - 12/29/13	January 1 - 12/29/13	July 1 - 12/29/13	Week Ending 12/29/13	July 1 - 12/29/13	July 1 - 12/29/13	July 1 - June 30
	-- Degrees Fahrenheit --				-- Number --		-- Days /1--	-- Inches of Precipitation --			
North Coast											
Eureka WFO	45	-3	62	33	120	73	27	0.01	4.55	15.49	38.10
Ukiah	46	+1	69	24	1,756	1,479	9	0.00	1.92	13.86	38.90
Santa Rosa AG	48	+1	67	27	1,581	1,143	5	0.00	1.80	10.95	31.01
Napa State Hosp	50	+4	68	30	1,478	1,222	5	0.00	2.51	9.32	26.46
Central Coast											
San Francisco A	52	+5	68	40	729	567	4	0.00	1.49	6.49	20.11
San Jose AP	51	+3	70	35	1,394	1,613	4	0.00	1.56	4.80	15.08
Salinas AP	58	+9	80	35	703	629	8	0.00	0.91	4.06	12.91
Monterey AP	56	+5	77	40	392	327	11	0.00	1.11	6.48	20.35
King City Ag	53	+4	79	29	1,383	1,312	8	0.00	0.50	3.64	12.30
Paso Robles AP	50	+4	78	26	2,063	1,692	5	0.00	0.46	3.65	13.08
Sacramento Valley											
Redding	50	+7	71	27	2,945	2,524	9	0.00	3.50	11.27	33.52
Red Bluff	51	+6	72	31	3,064	2,759	8	0.00	1.96	8.39	24.07
Willow s 6W	50	+6	74	28	2,483	2,157	7	0.00	2.21	6.35	19.03
Oroville AP	49	+6	70	30	2,531	2,239	7	0.00	2.70	9.89	28.75
Marysville	47	+3	68	28	2,546	2,589	7	0.00	2.31	7.70	22.07
Sacramento AP	48	+4	70	30	2,285	2,096	8	0.00	1.90	5.80	17.93
San Joaquin Valley											
Stockton	46	+3	65	28	2,330	2,347	7	0.00	1.72	4.70	13.84
Modesto AP	48	+3	66	29	2,714	2,487	5	0.00	1.49	4.15	13.12
Merced Macready	46	+2	65	24	2,765	2,459	5	0.00	1.01	3.86	12.50
Madera AP	47	+4	67	28	2,639	2,579	8	0.00	0.97	3.58	11.94
Fresno AP	50	+7	69	34	3,744	2,809	5	0.00	0.73	3.26	11.23
Lemoore NAS	49	+6	70	28	3,204	2,522	4	0.00	0.31	2.24	7.89
Visalia AP	47	+4	66	30	2,924	2,570	4	0.00	0.73	3.47	11.03
Bakersfield AP	51	+6	71	35	3,641	3,196	4	0.00	1.07	1.82	6.49
Cascade Sierra											
Alturas AP	30	+1	55	5	653	451	18	0.00	1.28	4.68	12.13
Mount Shasta AP	40	+6	55	22	978	510	19	0.00	2.89	13.94	39.16
Blue Canyon	53	+15	65	41	1,156	692	11	0.00	4.92	23.16	66.36
Yosemite Valley	42	+6	63	23	1,880	1,278	10	0.00	3.99	13.00	37.73
South Coast											
Santa Maria AP	58	+8	84	36	878	633	9	0.00	0.50	3.78	14.01
Santa Barbara A	56	+4	78	34	1,033	1,210	8	0.00	1.35	4.48	16.93
Oxnard NWS	65	+10	81	42	1,404	1,124	4	0.00	0.77	4.12	15.62
Riverside AP	62	+9	82	41	3,231	2,867	9	0.00	1.10	2.50	10.22
Los Angeles AP	64	+7	83	47	1,909	1,846	7	0.00	1.05	3.56	13.15
San Diego AP	62	+5	79	47	1,947	2,147	15	0.00	2.24	3.04	10.77
Southeast Interior											
Bishop AP	43	+7	69	19	2,083	1,770	10	0.00	0.85	1.80	5.02
Daggett AP	51	+6	68	32	4,492	3,890	12	0.00	2.83	1.94	4.17
Lancaster ATC	44	+2	74	20	3,130	2,510	8	0.00	1.61	2.17	7.40
Thermal	56	+4	80	31	5,403	5,183	9	0.00	1.62	1.59	3.53
Blythe AP	56	+4	73	39	5,818	5,399	17	0.00	2.54	2.36	4.02
Imperial CA	57	+4	76	38	5,642	5,230	11	0.00	2.11	1.65	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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