



# California Crop Weather

Cooperating with the California Department of Food and Agriculture  
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## WEATHER



The week began with a dry north wind flow over most of California. In combination with a cold air mass, this resulted in very cold conditions for the State. Freezing overnight temperatures, down to the lower and mid 20 degrees, were reported across the Central Valley and into the

Imperial Valley during the beginning of the week. Overnight low temperatures plummeted to below zero in the Northeastern Plateau. A surface high pressure center settled over the Great Basin by midweek and brought strong offshore winds to Southern California. This resulted in very dry conditions across that portion of the State. A low pressure system, which had been off the Southern California Coast, drifted ashore and brought some isolated light rain to extreme Southern California by Friday. The rest of the State remained dry, and returning Santa Ana winds brought fire weather concerns to the Southland during the weekend. Freezing overnight conditions continued to plague the Central Valley.

## FIELD CROPS

Reporters were concerned about frost damage on newly emerged winter **wheat**. Damage will be assessed in the near future. About two-thirds of the crop were emerged by week's end. Three-quarters of the winter wheat crop conditions were rated good to excellent. The hard freeze stopped any further **alfalfa** production. Producers were plowing down **cotton** where harvest was complete in order to comply with the Cotton Plow Down Regulations.

## FRUIT CROPS

Citrus harvest was delayed due to freezing temperatures. Navel **oranges** and **mandarins** sustained some freeze damage. **Grape** harvest was complete. Vines continued to lose leaves and go dormant. Grape growers were pruning vines. Harvest was nearly complete for **apples**, **kiwifruit** and **persimmons**. Stone fruit trees continued to be pruned.

## NUT CROPS

**Walnut**, **almond** and **pistachio** harvests were complete. Harvested nut orchards were pruned, irrigated and fertilized. Tree removals were ongoing and land was prepared for tree planting.

## VEGETABLE CROPS

**Broccoli** was harvested in Stanislaus County. In Tulare County, **onions** were growing well, and fields were planted for winter vegetables. **Carrots** were harvested in San Joaquin County. Winter vegetables such as salad mixes, carrots and broccoli were harvested in Imperial County. Harvest of **lettuce** and broccoli was ongoing in Fresno County despite cold temperatures. Some carrot fields were hit hard by freeze. Early dehydrator onions were planted. Fields for processing and fresh **tomatoes** were prepared for planting. Growers were also cultivating vegetable seed crops.

## LIVESTOCK

Range and non-irrigated pasture conditions improved slightly due to recent rains. Dairy cattle were moved off irrigated pasture to reduce soil compaction. Dairy corrals were cleaned in preparation for winter. Livestock supplemental feeding of hay and grain continued. Calving season continued and lambing was underway across the State. Beekeepers prepared for dormancy.

**CALIFORNIA CROP WEATHER – WEEK ENDING 12/15/13**

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 60°F BASE		RAIN DAYS	PRECIPITATION			
	Average Week Ending 12/15/13	Departure from Normal	High	Low	This Year	Normal Year	This Season	This Week	This Season	Normal Season	Normal Year
					January 1 - 12/15/13	January 1 - 12/15/13	July 1 - 12/15/13	Week Ending 12/15/13	July 1 - 12/15/13	July 1 - 12/15/13	July 1 - June 30
	-- Degrees Fahrenheit --				-- Number --		-- Days /1 --	-- Inches of Precipitation --			
<b>North Coast</b>											
Eureka WFO	41	-8	54	25	120	73	24	0.00	4.50	12.69	38.10
Ukiah	42	-5	66	18	1,756	1,479	9	0.00	1.92	11.09	38.90
Santa Rosa AG	42	-8	64	23	1,581	1,143	5	0.00	1.80	8.89	31.01
Napa State Hosp	43	-6	62	24	1,478	1,222	5	0.00	2.51	7.54	26.46
<b>Central Coast</b>											
San Francisco A	47	-4	61	34	729	567	4	0.00	1.49	5.12	20.11
San Jose AP	44	-7	62	25	1,394	1,613	4	0.00	1.56	3.86	15.08
Salinas AP	50	-2	74	26	697	629	8	0.00	0.91	3.19	12.91
Monterey AP	47	-5	68	28	390	327	11	0.00	1.11	5.17	20.35
King City Ag	46	-5	75	19	1,383	1,312	7	0.00	0.49	2.84	12.30
Paso Robles AP	43	-5	72	18	2,063	1,692	5	0.00	0.46	2.79	13.08
<b>Sacramento Valley</b>											
Redding	44	-2	66	21	2,942	2,524	9	0.00	3.50	9.06	33.52
Red Bluff	44	-3	67	25	3,063	2,759	8	0.00	1.96	6.74	24.07
Willow s 6W	42	-4	61	24	2,483	2,157	7	0.00	2.21	5.10	19.03
Oroville AP	45	-2	64	29	2,531	2,239	7	0.00	2.70	7.97	28.75
Marysville	41	-6	61	23	2,546	2,589	7	0.00	2.31	6.11	22.07
Sacramento AP	42	-5	61	22	2,285	2,096	8	0.00	1.90	4.62	17.93
<b>San Joaquin Valley</b>											
Stockton	41	-6	60	22	2,330	2,347	7	0.00	1.72	3.84	13.84
Modesto AP	42	-6	61	24	2,714	2,487	5	0.00	1.49	3.36	13.12
Merced Macready	40	-7	58	22	2,765	2,459	5	0.00	1.01	3.13	12.50
Madera AP	40	-5	60	21	2,639	2,579	8	0.00	0.97	2.86	11.94
Fresno AP	44	-2	62	27	3,744	2,809	5	0.00	0.73	2.63	11.23
Lemoore NAS	42	-4	64	20	3,204	2,522	4	0.00	0.31	1.78	7.89
Visalia AP	41	-5	59	23	2,924	2,570	4	0.00	0.73	2.76	11.03
Bakersfield AP	44	-5	63	26	3,641	3,196	4	0.00	1.07	1.42	6.49
<b>Cascade Sierra</b>											
Alturas AP	19	-12	49	-22	653	451	18	0.00	1.28	4.13	12.13
Mount Shasta AP	31	-4	52	4	978	510	18	0.00	2.88	11.48	39.16
Blue Canyon	46	+7	64	20	1,153	692	11	0.00	4.92	19.23	66.36
Yosemite Valley	34	-5	49	12	1,880	1,278	10	0.00	3.99	10.82	37.73
<b>South Coast</b>											
Santa Maria AP	51	-2	77	26	867	633	8	0.00	0.47	2.90	14.01
Santa Barbara A	49	-5	76	29	1,030	1,210	8	0.00	1.35	3.36	16.93
Oxnard NWS	57	+1	82	38	1,343	1,124	4	0.00	0.77	3.09	15.62
Riverside AP	55	0	79	38	3,187	2,867	8	0.00	1.06	1.94	10.22
Los Angeles AP	56	-2	80	39	1,857	1,830	6	0.00	1.01	2.67	13.15
San Diego AP	57	0	75	44	1,914	2,131	13	0.00	1.90	2.42	10.77
<b>Southeast Interior</b>											
Bishop AP	37	-2	65	6	2,083	1,770	10	0.00	0.85	1.52	5.02
Daggett AP	42	-7	63	21	4,492	3,890	12	0.00	2.83	1.67	4.17
Lancaster ATC	39	-5	62	15	3,130	2,510	7	0.00	1.60	1.66	7.40
Thermal	50	-5	76	21	5,401	5,183	8	0.00	1.61	1.45	3.53
Blythe AP	52	-2	79	32	5,814	5,399	16	0.00	2.53	2.08	4.02
Imperial CA	51	-5	74	30	5,635	5,230	11	0.00	2.11	1.41	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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