



California Crop Weather

Cooperating with the California Department of Food and Agriculture
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WEEK ENDING: December 8, 2013
RELEASED: December 9, 2013

FREQUENCY: Weekly
VOL. 34 NO. 23

WEATHER



The weather across California was fairly mild at the beginning of the week with seasonable temperatures across Northern California and warm temperatures in Southern California. This changed when two cold fronts from the north brought a cold air mass into the State. The first cold front moved through California from

the north on Tuesday and had moved out of Southern California by Wednesday. This system brought light showers and freezing temperatures to the State, mostly across the higher elevations. A hard freeze occurred across the Central Valley on Thursday with low temperatures down to 10 degrees below freezing. This cold air mass brought frost to the Imperial Valley as it moved into Southern California by Friday. The second cold front moved swiftly through the State late Friday and early Saturday. This system brought widespread snow with significant accumulations down to the valley floor in Shasta County and snow down to 1,000 feet across the central and southern Sierra foothills. Rain from this system fell across the Central Valley and Southern California on Friday and Saturday. Skies had cleared by Sunday morning and the cold air mass over the State resulted in another round of cold temperatures. This resulted in overnight lows in the 20 degree range across the Central Valley and frost again in Southern California.

FIELD CROPS

Fairly mild temperatures early in the week turned bitterly cold by the weekend. Growers were concerned about frost damage on newly emerged winter **wheat**. Nearly the entire crop was planted and almost half of the crop had emerged by week's end. Three-quarters of the winter wheat crop was rated good to excellent. Some producers in the Southern Valley were able to squeeze out one more cutting of **alfalfa** before it went dormant. Producers were plowing down **cotton** where harvest was completed to comply with the Cotton Plowdown Regulations.

FRUIT CROPS

Citrus growers worked to protect groves from this week's frost. Growers set up wind machines, irrigation, and other measures to minimize damage to trees and fruit. Navel **orange** harvest increased and color and maturity test improved. **Lemon**, Oroblanco and melogold **grapefruit**, and **pomelo** harvests continued. **Apple** harvest remained active. Wine grape harvest was nearing completion across the State. Vines continued to lose leaves and go dormant. Late table grape harvest continued in Tulare and Kern Counties. Harvest continued for **pomegranates**, **kiwi**, Asian **pears**, and Fuyu and Hachiya **persimmons**. Orchards and vineyards were irrigated and pruned.

NUT CROPS

Walnut harvest continued at a slower pace. **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. **Pumpkin** and fall fresh **squash** harvest was winding down in Tulare County. Fields were prepared and planted with winter vegetables. In Fresno County, **daikon**, **bok choy**, napa **cabbage**, bell and chile **pepper**, **parsley**, and green **bean** harvests continued. Broccoli, **lettuce**, and **carrot** harvest began and harvest of **tomatoes** and sweet **corn** ended. Tomato and **onion** fields were prepared for next year's crop. **Asparagus** fields were topped and shredded in preparation of the spring harvest.

LIVESTOCK

Range and non-irrigated pasture conditions improved slightly due to recent rains. Dairy cattle were moved off irrigated pasture to reduce soil compaction. Sheep and cattle grazed on idle fields, dry land grain and alfalfa fields. 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 12/08/13

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 60°F BASE		RAIN DAYS	PRECIPITATION			
	Average Week Ending 12/08/13	Departure from Normal	High	Low	This Year	Normal Year	This Season	This Week	This Season	Normal Season	Normal Year
					January 1 - 12/08/13	January 1 - 12/08/13	July 1 - 12/08/13	Week Ending 12/08/13	July 1 - 12/08/13	July 1 - 12/08/13	July 1 - June 30
	-- Degrees Fahrenheit --				-- Number --		-- Days /1 --	-- Inches of Precipitation --			
North Coast											
Eureka WFO	40	-9	54	24	120	73	24	0.31	4.50	11.22	38.10
Ukiah	39	-9	61	20	1,756	1,479	9	0.49	1.92	9.82	38.90
Santa Rosa AG	43	-8	67	24	1,581	1,143	5	0.40	1.80	7.91	31.01
Napa State Hosp	44	-6	67	25	1,478	1,222	5	0.71	2.51	6.70	26.46
Central Coast											
San Francisco A	48	-4	62	35	729	567	4	0.35	1.49	4.51	20.11
San Jose AP	45	-7	64	29	1,394	1,613	4	0.13	1.56	3.44	15.08
Salinas AP	46	-7	64	27	697	629	8	0.21	0.91	2.84	12.91
Monterey AP	46	-7	60	30	390	327	11	0.27	1.11	4.61	20.35
King City Ag	42	-9	70	20	1,383	1,312	7	0.19	0.49	2.49	12.30
Paso Robles AP	42	-7	76	16	2,063	1,692	5	0.17	0.46	2.44	13.08
Sacramento Valley											
Redding	39	-8	59	20	2,942	2,524	9	0.38	3.50	8.08	33.52
Red Bluff	40	-8	60	22	3,063	2,759	8	0.27	1.96	6.00	24.07
Willow s 6W	41	-7	64	23	2,483	2,157	7	0.36	2.21	4.54	19.03
Oroville AP	41	-7	62	24	2,531	2,239	7	0.33	2.70	7.06	28.75
Marysville	41	-7	62	21	2,546	2,589	7	0.27	2.31	5.38	22.07
Sacramento AP	42	-6	65	25	2,285	2,096	8	0.43	1.90	4.13	17.93
San Joaquin Valley											
Stockton	42	-5	67	23	2,330	2,347	7	0.35	1.72	3.49	13.84
Modesto AP	43	-6	67	25	2,714	2,487	5	0.25	1.49	3.01	13.12
Merced Macready	40	-8	67	21	2,765	2,459	5	0.29	1.01	2.78	12.50
Madera AP	41	-6	68	19	2,639	2,579	8	0.27	0.97	2.56	11.94
Fresno AP	44	-4	67	29	3,744	2,809	5	0.15	0.73	2.35	11.23
Lemoore NAS	44	-3	71	20	3,204	2,522	4	0.08	0.31	1.57	7.89
Visalia AP	42	-6	66	23	2,924	2,570	4	0.17	0.73	2.42	11.03
Bakersfield AP	45	-4	68	27	3,641	3,196	4	0.10	1.07	1.28	6.49
Cascade Sierra											
Alturas AP	15	-17	52	-27	653	451	18	0.17	1.28	3.85	12.13
Mount Shasta AP	25	-11	55	1	978	510	18	0.20	2.88	10.34	39.16
Blue Canyon	28	-12	56	14	1,153	692	11	1.38	4.92	17.34	66.36
Yosemite Valley	33	-7	64	13	1,880	1,278	10	1.56	3.99	9.78	37.73
South Coast											
Santa Maria AP	48	-5	78	25	867	633	8	0.15	0.47	2.48	14.01
Santa Barbara A	51	-4	74	32	1,030	1,210	8	0.16	1.35	2.88	16.93
Oxnard NWS	51	-6	73	35	1,336	1,124	4	0.23	0.77	2.66	15.62
Riverside AP	51	-5	74	37	3,184	2,867	8	0.12	1.06	1.73	10.22
Los Angeles AP	55	-5	73	41	1,853	1,816	6	0.26	1.01	2.32	13.15
San Diego AP	58	-1	76	50	1,913	2,117	13	0.12	1.90	2.14	10.77
Southeast Interior											
Bishop AP	32	-8	67	5	2,083	1,770	10	0.03	0.85	1.38	5.02
Daggett AP	46	-4	72	28	4,492	3,890	12	0.11	2.83	1.60	4.17
Lancaster ATC	43	-2	73	19	3,130	2,510	7	0.08	1.60	1.45	7.40
Thermal	51	-5	76	28	5,401	5,183	8	0.00	1.61	1.38	3.53
Blythe AP	52	-4	78	33	5,813	5,399	16	0.00	2.53	1.98	4.02
Imperial CA	55	-2	79	35	5,635	5,230	11	0.00	2.11	1.34	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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