



California Crop Weather

Cooperating with the California Department of Food and Agriculture
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WEEK ENDING: December 22, 2013
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WEATHER



Temperatures trended higher in the last week after a cold start to the month. A high pressure system strengthened offshore early last week and brought dry and warm conditions to the State on Monday and Tuesday. A cutoff low beneath the high pressure system pushed clouds,

cooler temperatures, and light showers into parts of Central and Southern California during the middle of the week. A windy and quick moving system barreled down from the North and brought windy conditions Thursday into Friday and brought precipitation to the coast and higher terrain. Dry conditions and above average temperatures continued into the weekend due to the resurgence of high pressure over the area. Select locations hit record high temperatures over the weekend due to the unseasonably warm air mass.

FIELD CROPS

Winter **wheat** conditions declined due to a lack of precipitation and recent winds in the North Central Valley. Growers in the Imperial Valley were irrigating before the irrigation district shut off water for annual canal maintenance. Over three-quarters of the wheat crop was emerged by week's end. Every **cotton** field was plowed as the compliance date for Cotton Plow Down Regulations had passed. **Alfalfa** production was complete.

FRUIT CROPS

Pruning continued in vineyards and stone fruit orchards. **Grape** vines continued to lose leaves and go dormant. Disking, 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. County inspectors evaluated the extent of the damage.

NUT CROPS

Harvested **almond**, **walnut** and **pistachio** orchards were pruned, irrigated, and fertilized. Cold temperatures benefitted the nut trees by helping them go dormant. Tree removals were ongoing and land was prepared for tree planting.

VEGETABLE CROPS

San Luis Obispo County reported damage to **lettuce** due to the freeze. Monterey County reported **broccoli** and **cauliflower** were harvested. **Onions** were growing well and fields were prepared for, or planted to, winter vegetables in Tulare County. Fresno County reported leafy vegetables were harvested. **Carrots** were hit by the frost. Onions were planted and irrigated. **Tomato** beds were established. Broccoli was sprayed and harvested in Stanislaus County. Fields were cleared in San Mateo County. Some areas were still harvesting **Brussels sprouts**.

LIVESTOCK

Range conditions remained poor and ranchers continued to feed hay before cattle go out on winter pasture. Dairy cattle were moved off irrigated pasture to reduce soil compaction. Dairy corrals were cleaned in preparation for winter. Sheep grazed on alfalfa fields.

CALIFORNIA CROP WEATHER – WEEK ENDING 12/22/13

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 60°F BASE		RAIN DAYS	PRECIPITATION			
	Average Week Ending 12/22/13	Departure from Normal	High	Low	This Year	Normal Year	This Season	This Week	This Season	Normal Season	Normal Year
					January 1 - 12/22/13	January 1 - 12/22/13	July 1 - 12/22/13	Week Ending 12/22/13	July 1 - 12/22/13	July 1 - 12/22/13	July 1 - June 30
	-- Degrees Fahrenheit --				-- Number --		-- Days /1 --	-- Inches of Precipitation --			
North Coast											
Eureka WFO	45	-4	57	32	120	73	26	0.04	4.54	14.09	38.10
Ukiah	48	+3	69	27	1,756	1,479	9	0.00	1.92	12.43	38.90
Santa Rosa AG	49	+2	67	32	1,581	1,143	5	0.00	1.80	9.88	31.01
Napa State Hosp	49	+3	67	34	1,478	1,222	5	0.00	2.51	8.39	26.46
Central Coast											
San Francisco A	52	+4	65	40	729	567	4	0.00	1.49	5.76	20.11
San Jose AP	51	+2	67	35	1,394	1,613	4	0.00	1.56	4.30	15.08
Salinas AP	54	+4	77	32	699	629	8	0.00	0.91	3.61	12.91
Monterey AP	53	+3	75	37	392	327	11	0.00	1.11	5.79	20.35
King City Ag	51	+2	76	27	1,383	1,312	8	0.01	0.50	3.22	12.30
Paso Robles AP	49	+3	71	24	2,063	1,692	5	0.00	0.46	3.19	13.08
Sacramento Valley											
Redding	51	+7	78	26	2,942	2,524	9	0.00	3.50	10.11	33.52
Red Bluff	53	+7	74	28	3,064	2,759	8	0.00	1.96	7.52	24.07
Willow s 6W	49	+4	66	31	2,483	2,157	7	0.00	2.21	5.69	19.03
Oroville AP	49	+5	64	34	2,531	2,239	7	0.00	2.70	8.89	28.75
Marysville	47	+2	64	30	2,546	2,589	7	0.00	2.31	6.88	22.07
Sacramento AP	49	+4	64	31	2,285	2,096	8	0.00	1.90	5.18	17.93
San Joaquin Valley											
Stockton	47	+4	65	30	2,330	2,347	7	0.00	1.72	4.26	13.84
Modesto AP	48	+4	65	31	2,714	2,487	5	0.00	1.49	3.73	13.12
Merced Macready	46	+2	61	29	2,765	2,459	5	0.00	1.01	3.48	12.50
Madera AP	47	+3	65	25	2,639	2,579	8	0.00	0.97	3.21	11.94
Fresno AP	50	+7	66	35	3,744	2,809	5	0.00	0.73	2.91	11.23
Lemoore NAS	49	+6	68	29	3,204	2,522	4	0.00	0.31	1.99	7.89
Visalia AP	49	+5	66	30	2,924	2,570	4	0.00	0.73	3.11	11.03
Bakersfield AP	50	+4	69	34	3,641	3,196	4	0.00	1.07	1.61	6.49
Cascade Sierra											
Alturas AP	30	0	51	4	653	451	18	0.00	1.28	4.40	12.13
Mount Shasta AP	41	+7	58	24	978	510	19	0.01	2.89	12.67	39.16
Blue Canyon	50	+12	70	28	1,156	692	11	0.00	4.92	21.13	66.36
Yosemite Valley	42	+6	63	27	1,880	1,278	10	0.00	3.99	11.87	37.73
South Coast											
Santa Maria AP	56	+5	83	35	875	633	9	0.03	0.50	3.32	14.01
Santa Barbara A	56	+4	82	38	1,033	1,210	8	0.00	1.35	3.89	16.93
Oxnard NWS	59	+5	81	40	1,366	1,124	4	0.00	0.77	3.58	15.62
Riverside AP	60	+6	87	40	3,210	2,867	9	0.04	1.10	2.19	10.22
Los Angeles AP	61	+5	85	45	1,881	1,839	7	0.04	1.05	3.09	13.15
San Diego AP	60	+4	82	48	1,931	2,140	15	0.34	2.24	2.70	10.77
Southeast Interior											
Bishop AP	45	+8	71	24	2,083	1,770	10	0.00	0.85	1.66	5.02
Daggett AP	51	+5	67	37	4,492	3,890	12	0.00	2.83	1.80	4.17
Lancaster ATC	46	+5	67	26	3,130	2,510	8	0.01	1.61	1.89	7.40
Thermal	57	+4	78	35	5,403	5,183	9	0.01	1.62	1.52	3.53
Blythe AP	58	+6	76	38	5,816	5,399	17	0.01	2.54	2.22	4.02
Imperial CA	58	+4	80	39	5,642	5,230	11	0.00	2.11	1.51	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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