



California Crop Weather

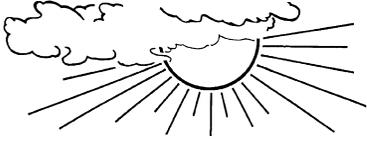
Cooperating with the California Department of Food and Agriculture

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WEATHER



A strong high pressure system was centered over eastern Nevada and spread into California at the start of the week. This system was responsible for a heat wave across California last week as the warm weather continued through Thursday. The hot temperatures peaked on Thursday, with many high temperature records broken across the State. Monsoonal moisture became entrained in the circulation around the high pressure center and resulted in widely scattered

thunderstorm activity in the mountains and deserts. There were some isolated thundershowers in the Northern Sacramento Valley on Thursday, although rainfall amounts were insignificant. After Thursday, the ridge began to weaken in response to a low pressure trough which moved ashore. This brought cooling to the State, especially to coastal areas across California and the Sacramento-San Joaquin Delta region. The cooling trend continued through Saturday. On Sunday the high pressure system began to rebound slightly and temperatures across the State warmed, although not approaching the record levels that occurred on Thursday. Widely scattered thunderstorms across the mountains and deserts throughout the week did not result in any significant precipitation, except for isolated brief downpours in the Sierra Nevada Mountains.

FIELD CROPS

Winter **wheat** for grain harvest continued. **Rice** progressed through the boot stage, but had not yet begun to head. Fields continued to be treated for weed control. **Cotton** progressed well due to high temperatures and low insect pressure. Reporters noted that bloom occurred in some fields and over one-third of the crop was setting bolls by week's end. The crop condition improved to 85 percent good to excellent. Dry **bean** development progressed throughout the week and dried in preparation for harvest in Fresno County. **Corn** continued to develop in Tulare, Stanislaus County and Fresno County and began to tassel in San Joaquin County. Growers cut, windrowed, raked and baled **alfalfa** during the week.

FRUIT CROPS

Extremely hot weather was mitigated by heavy irrigation. The harvest of **apricots, peaches, nectarines** and **plums** continued at an increased rate. Table **grape** harvest commenced in southern Tulare County. Applications of potassium fertilizer were made to vineyards. Maturity was at least a week and a half ahead of last year, and eleven days ahead of normal. **Olive** fruit continued to size normally. Sensitive **avocado** varieties were stressed due to warm temperatures. **Blueberry** and **strawberry** harvests continued. Clingstone peach growers prepared for the upcoming harvest. **Prunes** were irrigated and sprayed with insecticides and potassium. **Kiwis** continued to develop. **Cherries** were harvested. **Pomegranate** fruit was developing. Fruit was growing on **apple** and **pear** trees. June drop in citrus orchards was winding down, and the crop was sizing normally. Valencia **orange** harvest continued; regreening was becoming more common due to high temperatures. Ruby Red **grapefruits** and **lemons** were harvested.

NUT CROPS

Almond growers continued hull split sprays. Some blocks were also sprayed with miticides. Mites continued to be a problem for almonds in the southern part of the state. The heat has accelerated crop development. **Pistachios** have been filling very rapidly and were close to being completely filled. **Walnut** growers were seeing some unexpected drop in the Vina and Howard varieties. Walnut growers continued to monitor for codling moths.

VEGETABLE CROPS

Tulare County reported summer vegetable planting was winding down as harvest continued for **melons, sweet corn, squash, eggplant, tomatoes, cucumbers, peppers** and **beans**. **Garlic** and **parsley** were harvested in Fresno County, as were Asian cucumbers, **bittermelon, choys, chards, kales**, cherry tomatoes, **daikon**, eggplant, **scallions**, green and yellow beans, **lemon grass, long beans, spinach**, squash, **tomatillos, turnips** and **zucchini**. **Onions** were dried and harvested. Growers transplanted and seeded crops of melons, eggplant, cucumber and squash. Processing tomatoes were transplanted and fields continued to show symptoms of curly top virus. Bell peppers, **carrots**, sweet corn, **cantaloupe, honeydew** and **watermelons** were progressing on schedule. Harvesting began for carrots and heirloom tomatoes, and finished for **asparagus** and **cabbage**. Stanislaus County reported early Roma tomato fields were showing color, and peppers neared harvest. Cantaloupe and honeydew melons were harvested, and **broccoli** and parsley were picked. Cucumbers, peppers, tomatoes, **basil, mint, chives, cilantro**, turnips, kale, cabbage, lettuce, onions, garlic, squash and **radishes** were harvested for farmer's markets. Squash and cucumbers were harvested in San Joaquin County, while peppers and tomatoes progressed. San Mateo County reported **Brussels sprouts** appeared healthy and growing fast.

LIVESTOCK

The deterioration of range and non-irrigated pasture from fair to very poor conditions continued. Fire danger was high with red flag warnings in several locations due to the high temperatures, wind and low humidity. There was a growing concern over diminishing watering holes in the foothills of the Sierras. Sheep and cattle grazed on rangeland, idle fields, dry land grain and alfalfa fields. Supplemental feeding of livestock continued. Dwindling range on the eastside of the coastal mountains was supplemented with baled hay. Poor nocturnal temperature recovery for several consecutive nights in the southern San Joaquin Valley stressed milk cows. Dairymen took measures to cool cows to mitigate milk losses. Hives remaining in citrus were moved to pollinate melon and squash. Bees continued to work sunflower and vine seed fields. Some seed alfalfa fields were worked by bees.

CALIFORNIA CROP WEATHER – WEEK ENDING 7/7/13

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 60°F BASE		RAIN DAYS	PRECIPITATION			
	Average Week Ending 7/7/13.	Departure from Normal	High	Low	This Year	Normal Year	This Season	This Week	This Season	Normal Season	Normal Year
					January 1 - 7/7/13	January 1 - 7/7/13	July 1 - 7/7/13	Week Ending 7/7/13	July 1 - 7/7/13	July 1 - 7/7/13	July 1 - June 30
	-- Degrees Fahrenheit --				-- Number --		-- Days /1--	-- Inches of Precipitation --			
North Coast											
Eureka WFO	59	+2	66	52	24	11	0	0.00	0.00	0.07	38.10
Ukiah	82	+11	112	58	670	418	1	0.03	0.03	0.05	38.90
Santa Rosa AG	77	+10	97	55	675	372	0	0.00	0.00	0.00	31.01
Napa State Hosp	74	+6	98	54	647	405	0	0.00	0.00	0.00	26.46
Central Coast											
San Francisco A	66	+4	82	55	248	162	0	0.00	0.00	0.03	20.11
San Jose AP	73	+3	92	54	571	575	0	0.00	0.00	0.00	15.08
Salinas AP	65	+3	78	56	212	176	0	0.00	0.00	0.04	12.91
Monterey AP	63	+4	79	54	116	59	0	0.00	0.00	0.07	20.35
King City Ag	72	+4	98	53	590	439	0	0.00	0.00	0.01	12.30
Paso Robles AP	78	+7	107	49	859	528	0	0.00	0.00	0.00	13.08
Sacramento Valley											
Redding	91	+11	116	66	1,272	869	0	0.00	0.00	0.05	33.52
Red Bluff	91	+11	116	64	1,354	978	0	0.00	0.00	0.07	24.07
Willow s 6W	86	+10	106	61	1,111	754	0	0.00	0.00	0.06	19.03
Oroville AP	86	+9	108	63	1,081	816	0	0.00	0.00	0.07	28.75
Marysville	86	+8	111	59	1,127	993	0	0.00	0.00	0.07	22.07
Sacramento AP	81	+8	109	57	991	726	0	0.00	0.00	0.05	17.93
San Joaquin Valley											
Stockton	83	+7	107	58	1,027	848	0	0.00	0.00	0.00	13.84
Modesto AP	85	+9	107	61	1,228	945	0	0.00	0.00	0.00	13.12
Merced Macready	86	+9	107	61	1,219	888	0	0.00	0.00	0.00	12.50
Madera AP	85	+8	106	59	1,108	952	0	0.00	0.00	0.01	11.94
Fresno AP	91	+11	108	67	1,612	1,042	0	0.00	0.00	0.01	11.23
Lemoore NAS	89	+11	109	62	1,286	954	0	0.00	0.00	0.00	7.89
Visalia AP	87	+9	108	64	1,275	961	0	0.00	0.00	0.01	11.03
Bakersfield AP	92	+10	110	69	1,552	1,195	0	0.00	0.00	0.00	6.49
Cascade Sierra											
Alturas AP	74	+10	104	45	210	94	0	0.00	0.00	0.07	12.13
Mount Shasta AP	75	+11	99	51	346	116	1	0.05	0.05	0.14	39.16
Blue Canyon	77	+12	90	64	397	135	0	0.00	0.00	0.13	66.36
Yosemite Valley	83	+13	106	60	704	312	0	0.00	0.00	0.14	37.73
South Coast											
Santa Maria AP	68	+6	93	55	286	158	0	0.00	0.00	0.00	14.01
Santa Barbara A	68	+3	77	61	399	378	0	0.00	0.00	0.00	16.93
Oxnard NWS	70	+6	86	61	497	350	0	0.00	0.00	0.00	15.62
Riverside AP	81	+4	99	63	1,275	973	0	0.00	0.00	0.00	10.22
Los Angeles AP	70	+3	81	64	706	618	0	0.00	0.00	0.00	13.15
San Diego AP	71	+2	80	65	628	758	0	0.00	0.00	0.03	10.77
Southeast Interior											
Bishop AP	83	+9	109	55	888	627	0	0.00	0.00	0.07	5.02
Daggett AP	97	+12	114	78	2,075	1,515	0	0.00	0.00	0.07	4.17
Lancaster ATC	89	+10	106	64	1,369	894	0	0.00	0.00	0.00	7.40
Thermal	94	+5	113	73	2,495	2,232	0	0.00	0.00	0.00	3.53
Blythe AP	99	+7	116	82	2,674	2,255	0	0.00	0.00	0.03	4.02
Imperial CA	96	+6	112	80	2,546	2,112	0	0.00	0.00	0.00	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.

For more weather information visit www.awis.com or call 1-888-798-9955.

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