



California Crop Progress & Condition

Cooperating with the California Department of Food and Agriculture
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WEEK ENDING: October 08, 2023
RELEASED: October 10, 2023

FREQUENCY: Weekly
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WEATHER

Average low temperatures for California ranged from 34 to 63 in the mountains, 41 to 73 in the desert, 43 to 69 along the coast, and 48 to 71 in the Central Valley. Average high temperatures for the state ranged from 50 to 87 in the mountains, 60 to 101 along the coast, 70 to 102 in the desert, and 73 to 99 in the Central Valley.

FIELD CROPS

Across the state, **corn** continued to mature and was chopped for silage. **Alfalfa** was harvested for hay and silage. Harvested fields were fertilized and disced in preparation for winter crops. In the Sacramento Valley, **rice**, **dry bean**, and **sunflower** harvests continued. In the Northern San Joaquin Valley, **cotton** fields continued to have significant insect pressure. Fields were prepared for defoliation and initial defoliation began in some areas. **Milo** fields were harvested. In the Southern San Joaquin Valley, cotton fields continued to develop, with bolls opening. Some fields were defoliated. Dry bean fields were cut and windrowed.

FRUIT CROPS

Table and wine **grape** harvests continued. **Peach**, **pluot**, **prune** and **plum** harvests were winding down. Processing peach orchards were sprayed for weeds. **Figs**, **apples**, **pears**, **pomegranates**, and **kiwifruit** were harvested. **Persimmons** were reaching mature size and starting to show color. **Cherry** and **apricot** orchards were pruned and treated for nematodes. Table **olive** harvest continued. Olive trees for oil were pruned in preparation for harvest. **Strawberry**, **blackberry**, and **raspberry** harvests were ongoing. Valencia **oranges** and **grapefruit** were harvested. District 2 **lemon** harvest was winding down, and District 3 lemon harvest began.

NUT CROPS

Almond harvest continued with orchard floors cleaned and trees shaken. **Pistachio** and **walnut** harvests continued. **Pecans** continued to mature. Nematodes were treated in walnuts. Almond and walnut orchards were sprayed for pests and weeds.

VEGETABLE CROPS

Across the Central Valley, **pumpkins**, **tomatoes**, **sweet corn**, **melons**, and **winter squash** continued to be harvested. Growers treated tomato fields with fungicides to control mold and pesticides to control armyworm. In the Northern San Joaquin Valley, **sweet potatoes**, **onions**, and **garlic** were harvested. In the Southern San Joaquin Valley, **garlic**, **carrots**, **cucumbers**, and **peppers** were harvested. Along the Central Coast, **squash**, **broccoli**, **cauliflower**, **brussel sprouts**, **celery**, **lettuce**, **kale**, and peppers were harvested.

LIVESTOCK

Foothill rangeland and non-irrigated pasture were in poor to fair condition. Irrigated pasture was in good condition. Supplemental feeding was underway in the San Joaquin and Sacramento Valleys. Some cattle were moved to higher elevation range. Fall calving is underway. Sheep grazed retired cropland as well as harvested melon and vegetable fields.

CALIFORNIA CROP WEATHER – WEEK ENDING OCTOBER 8, 2023

STATIONS	TEMPERATURE				GROWING DEGREE DAYS ¹ AT 50 °F BASE ²		RAIN DAYS ³	PRECIPITATION ⁴			
	Average for Week Ending Oct 8, 2023	Departure from Normal ⁵	High	Low	This Year	Normal Year ⁵	This Season	This Week	This Season	Normal Season ⁵	Normal Year ⁵
					Jan 1 - Oct 8, 2023	Jan 1 - Oct 8, 2023	Oct 1 - Oct 8, 2023	Week Ending Oct 8, 2023	Oct 1 - Oct 8, 2023	Oct 1 - Oct 8	Oct 1 - Sept 30
	-- Degrees Fahrenheit --				-- Number --		-- Days --	-- Inches of Precipitation --			
North Coast											
Eureka WFO	59	3	82	45	1,320	1,176	2	0.03	0.03	0.38	40.61
Ukiah	70	5	95	43	3,744	3,588	0	0.00	0.00	0.26	35.07
Santa Rosa	70	6	96	43	2,979	2,936	0	0.00	0.00	0.19	34.00
Napa State Hospital	69	6	95	47	2,888	2,799	0	0.00	0.00	0.13	20.36
Central Coast											
San Francisco	71	7	91	55	2,851	2,818	0	0.00	0.00	0.11	19.77
San Jose	74	7	95	54	3,481	3,549	0	0.00	0.00	0.08	13.58
Salinas	NA	NA	NA	NA	NA	2,637	NA	NA	NA	0.09	12.66
Monterey	68	7	92	47	1,981	2,355	0	0.00	0.00	0.14	16.36
Paso Robles	70	5	97	44	3,512	3,610	0	0.00	0.00	0.08	12.24
Sacramento Valley											
Redding	76	7	96	54	5,038	4,845	0	0.00	0.00	0.29	33.70
Red Bluff	76	6	96	53	4,903	4,767	0	0.00	0.00	0.16	23.25
Orland	NA	NA	NA	NA	NA	4,461	NA	NA	NA	0.13	21.52
Oroville	74	5	92	54	4,775	4,673	0	0.00	0.00	0.19	25.84
Marysville	72	4	93	48	4,398	4,370	0	0.00	0.00	0.11	20.21
Sacramento	74	7	94	50	4,445	4,107	0	0.00	0.00	0.12	18.10
San Joaquin Valley											
Stockton	73	4	95	50	4,310	4,564	0	0.00	0.00	0.10	13.53
Modesto	72	3	93	49	4,249	4,628	0	0.00	0.00	0.07	12.34
Merced Macready	74	6	96	51	4,464	4,474	1	0.00	0.01	0.08	11.87
Madera	73	4	98	51	4,573	4,718	0	0.00	0.00	0.06	10.86
Fresno	77	6	97	60	5,283	5,251	0	0.00	0.00	0.07	11.05
Lemoore	74	5	99	49	4,784	4,716	0	0.00	0.00	0.06	7.23
Visalia	73	4	95	57	4,937	4,696	2	0.01	0.08	0.08	10.37
Bakersfield	76	4	98	57	5,392	5,555	1	0.00	0.15	0.03	6.40
Cascade Sierra											
Alturas	56	5	81	34	1,954	1,783	2	0.03	0.03	0.17	11.72
Mount Shasta	61	6	84	41	2,583	2,075	0	0.00	0.00	0.31	37.86
Blue Canyon	64	5	77	42	2,377	2,308	0	0.00	0.00	0.55	62.80
Yosemite Valley	NA	NA	NA	NA	NA	2,855	NA	NA	NA	0.46	40.65
South Coast											
Santa Maria	69	6	101	48	2,324	2,746	0	0.00	0.00	0.07	13.42
Santa Barbara	68	5	92	50	3,126	2,986	0	0.00	0.00	0.11	17.38
Oxnard	68	2	87	53	2,969	3,413	0	0.00	0.00	0.08	13.05
Riverside	76	4	101	50	4,635	5,169	0	0.00	0.00	0.05	9.48
Los Angeles	69	1	89	54	3,571	4,111	0	0.00	0.00	0.08	12.33
San Diego	69	0	83	57	3,893	4,478	0	0.00	0.00	0.08	9.87
Southeast Interior											
Bishop	62	0	86	41	3,515	3,693	1	0.00	0.18	0.09	4.87
Daggett	73	0	96	51	5,948	6,251	0	0.00	0.00	0.06	3.80
Lancaster	68	1	93	43	4,511	4,655	0	0.00	0.00	0.06	6.86
Thermal	81	3	102	62	7,293	7,401	0	0.00	0.00	0.05	2.98
Blythe	81	1	101	59	7,724	7,996	0	0.00	0.00	0.05	3.58
Imperial	79	0	101	56	7,376	7,712	0	0.00	0.00	0.06	2.39

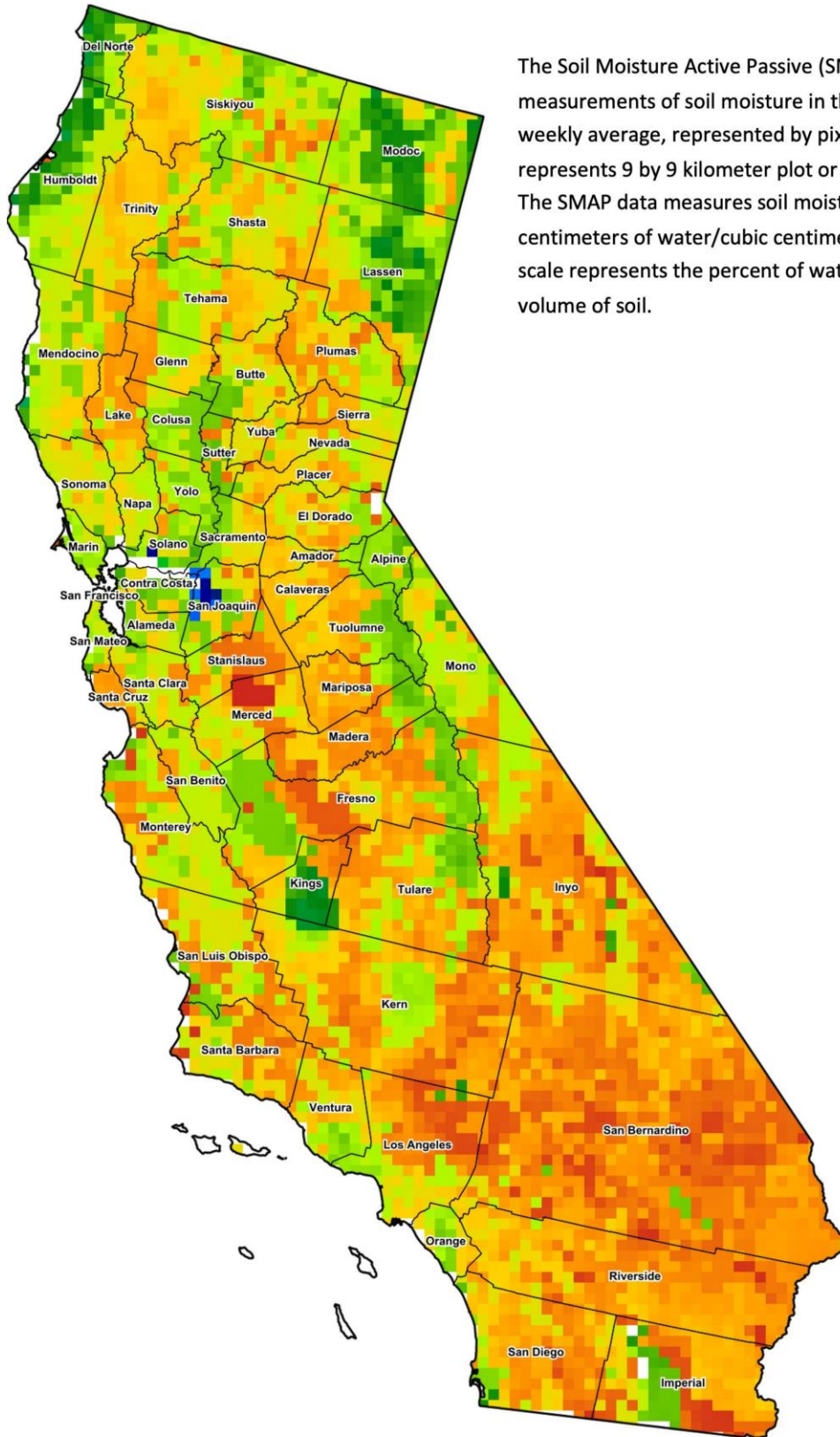
¹ Previously labeled as growing degree hours. The column title was corrected in the Sept 27, 2021 report.
² Previously calculated with 60 degree base. This calculation was changed for the 2022 and later seasons.
³ Total number of days with precipitation events this season.
⁴ Rain or melted snow/ice.
⁵ Normal periods 1990-2020 used in departure from normal calculations.

Data retrieved from NOAA and NWS. Calculated by USDA NASS.
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Reservoir Data from the California Department of Water Resources

Reservoir	Capacity	October 09, 2023			This Date Last Year	
		Storage	Percent of Capacity	Percent of Average	Storage	Percent of Capacity
		<i>Acre Feet</i>	<i>Percent</i>	<i>Percent</i>	<i>Acre Feet</i>	<i>Percent</i>
Shasta Lake	4,547,300	3,277,302	72	131	1,483,623	33
Lake Oroville	3,537,400	2,536,325	72	135	1,202,140	34
Trinity Lake	2,443,800	1,258,732	51	86	546,535	22
New Melones Reservoir	2,413,000	1,894,525	79	143	614,052	26
San Luis Reservoir	2,057,200	1,629,415	80	185	560,032	27
Don Pedro Reservoir	4,547,300	1,698,184	84	123	1,040,627	51

Source: cdec.water.ca.gov/reportapp/javareports?name=DLYHYDRO



The Soil Moisture Active Passive (SMAP) provides measurements of soil moisture in the root zone as a weekly average, represented by pixels. Each pixel represents 9 by 9 kilometer plot or about 20,000 acres. The SMAP data measures soil moisture in cubic centimeters of water/cubic centimeters of soil. The scale represents the percent of water in a given volume of soil.



Drought Conditions from the U.S. Drought Monitor as of 10/03/2023

Time	Percent of Land in Drought Rating						Drought Severity (DSCI)
	None	D0	D1	D2	D3	D4	
Current	94.01	5.93	0.07	0.00	0.00	0.00	6
Last Week	94.01	5.93	0.07	0.00	0.00	0.00	6
3 Months Ago	71.95	23.42	4.63	0.00	0.00	0.00	33
One Year Ago	0.00	0.23	5.75	53.12	24.34	16.57	351

The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CA