United States Department of Agriculture
National Agricultural Statistics Service

California Crop Progress & Condition

Cooperating with the California Department of Food and Agriculture
Pacific Region • P.O. Box 1258 • Sacramento, CA 95812 • (916) 738-6600 • (855) 270-2722 FAX • www.nass.usda.gov/ca

WEEK ENDING: July 31, 2022 **FREQUENCY: Weekly**
RELEASED: August 1, 2022 **VOL. 43 NO. 18**

WEATHER

Average lows for California ranged from 47 to 71 in the mountains, 50 to 71 along the coast, 58 to 87 in the desert, and 59 to 82 in the Central Valley. Average highs for the state ranged from 58 to 98 along the coast, 78 to 104 in the mountains, 86 to 108 in the Central Valley, and 95 to 106 in the desert.

FIELD CROPS

With high temperatures across the state, irrigation continued to be a priority for row crops. In the Sacramento Valley, **rice** fields progressed steadily. In Stanislaus County, **corn** for silage harvest began. **Alfalfa** hay and silage continued to be harvested. In the San Joaquin Valley, **cotton** plants were blooming, and bolls were developing. Insect activity was moderate. In Tulare County, cotton fields were being cultivated and irrigated. Corn for silage fields were in various stages of maturity. Alfalfa was being swathed, raked, and baled. **Bean** fields were treated for weeds and insects.

FRUIT CROPS

Apricot, peach, **nectarine**, and **plum** harvested fruit sizes were smaller than desired due to heat, but harvests remained steady. Weed management and irrigation was ongoing. Raisin **grape** varieties steadily developed. Various table grape varieties were harvested. **Persimmons**, **kiwifruits**, Asian **pears**, **grapefruits**, **lemons**, and **pomegranates** continued to develop. **Olives** continued to increase in size.

NUT CROPS

Weeds were sprayed. **Almond** hull split progressed, and orchards were prepped for harvest. Old **walnut** orchards were removed to make way for new plantings. Walnut development continued. **Pistachio** nut fill continued.

VEGETABLE CROPS

In Colusa, Sacramento, Solano, and Yolo counties, cherry **tomatoes,** heirloom tomatoes, **zucchini**, and serrano **peppers** were harvested. Processing tomato harvest continued. In San Mateo County, **celery**, summer **squash**, **kale**, **broccoli**, **cauliflower**, peppers, and **cucumbers** were harvested. In Tulare County**, eggplant**, **sweet corn**, peppers, and **okra** were harvested and sold at local fruit stands. **Lettuce**, **herbs**, **onions**, tomatoes, and other vegetables continued to be harvested and sold at local farmers' markets.

LIVESTOCK

Rangeland and non-irrigated pasture were in poor to fair condition due to the lack of water and extreme heat. Irrigated range remained in good to excellent condition. Bees were active in squash fields. Sheep grazed on fallow fields and retired farmland. Cattle supplemental feeding continued to compensate for poor quality range.

NOTICE: USDA NASS has changed the base temperature used to calculate growing degree days (found in the table below) from 60 ºF to 50 ºF.

CALIFORNIA CROP WEATHER – WEEK ENDING JULY 31, 2022

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 50 ºF BASE [1]		RAIN DAYS [2]	PRECIPITATION [3]			
	Average for Week Ending Jul 31, 2022	Departure from Normal [4]	High	Low	This Year Jan 1 - Jul 31, 2022	Normal Year [4] Jan 1 - July 31, 2022	This Season Oct 1 - Jul 31, 2022	This Week Ending Jul 31, 2022	This Season Oct 1 - Jul 31, 2022	Normal Season [4] Oct 1 - Jul 31	Normal Year [4] Oct 1 - Sept 30
	- - Degrees Fahrenheit - -				- - Number - -		- - Days - -	- - Inches of Precipitation - -			
North Coast											
Eureka WFO	58	0	64	51	716	619	116	0.00	26.30	39.54	40.61
Ukiah	78	2	98	55	2,269	2,090	66	0.00	19.58	34.61	35.07
Santa Rosa	66	-2	78	50	1,955	1,738	60	0.00	26.19	33.60	34.00
Napa State Hospital	65	-2	76	52	1,747	1,653	48	0.00	18.00	20.14	20.36
Central Coast											
San Francisco	65	1	73	55	1,873	1,743	44	0.00	18.18	19.53	19.77
San Jose	69	-1	81	56	2,440	2,192	33	0.00	7.31	13.36	13.58
Salinas	64	1	70	56	2,126	1,640	30	0.00	7.31	12.50	12.66
Monterey	64	2	72	56	1,784	1,472	40	0.00	10.65	16.15	16.36
Paso Robles	72	-2	93	50	2,601	2,126	24	0.00	8.72	12.08	12.24
Sacramento Valley											
Redding	88	4	108	67	3,334	2,936	60	0.00	18.86	32.94	33.70
Red Bluff	86	4	106	67	3,303	2,887	47	0.00	12.66	22.88	23.25
Orland	84	5	104	62	3,337	2,719	44	0.00	11.57	21.07	21.52
Oroville	83	2	101	67	3,341	2,875	50	0.00	17.37	25.47	25.84
Marysville	79	0	99	61	3,005	2,675	42	0.00	8.49	19.91	20.21
Sacramento	77	1	95	60	2,915	2,495	43	0.00	14.03	17.81	18.10
San Joaquin Valley											
Stockton	79	1	96	59	2,998	2,810	36	0.00	9.81	13.36	13.53
Modesto	78	-1	94	62	2,987	2,866	34	0.01	9.01	12.20	12.34
Merced Macready	83	4	99	64	3,105	2,729	28	0.00	7.45	11.75	11.87
Madera	83	3	100	62	2,968	2,892	23	0.00	2.66	10.76	10.86
Fresno	89	5	103	72	3,730	3,240	24	0.00	6.30	10.94	11.05
Lemoore	87	6	104	64	3,247	2,899	20	0.00	4.03	7.15	7.23
Visalia	86	5	105	63	3,390	2,883	28	0.00	7.34	10.25	10.37
Bakersfield	91	6	104	72	3,756	3,462	21	0.00	5.42	6.31	6.40
Cascade Sierra											
Alturas	77	8	104	47	995	995	63	0.00	7.46	11.06	11.72
Mount Shasta	78	9	100	54	1,346	1,120	81	0.00	19.11	36.91	37.86
Blue Canyon	76	5	85	67	1,397	1,137	66	0.00	65.28	61.65	62.80
Yosemite Valley	72	-2	78	66	1,227	1,508	47	0.00	26.95	39.73	40.65
South Coast											
Santa Maria	64	-1	75	53	1,692	1,724	25	0.00	7.81	13.24	13.42
Santa Barbara	66	0	76	59	2,124	1,887	26	0.00	10.54	17.17	17.38
Oxnard	65	-2	75	59	2,199	2,232	25	0.00	11.65	12.84	13.05
Riverside	80	0	96	64	3,756	3,249	24	0.02	4.87	9.25	9.48
Los Angeles	71	1	79	63	2,975	2,687	27	0.00	10.19	12.12	12.33
San Diego	72	0	78	67	2,654	2,945	28	0.00	6.10	9.66	9.87
Southeast Interior											
Bishop	84	5	102	58	2,429	2,201	15	0.07	4.92	4.66	4.87
Daggett	90	0	105	75	4,279	3,902	13	0.05	1.71	3.40	3.80
Lancaster	86	3	101	68	3,184	2,790	16	0.00	4.10	6.68	6.86
Thermal	92	0	106	76	5,073	4,841	6	0.00	0.19	2.52	2.98
Blythe	95	-1	106	83	5,529	5,196	5	0.00	0.28	2.84	3.58
Imperial	94	0	106	82	5,201	4,973	2	0.00	0.06	2.05	2.39

[1] Previously labeled as growing degree hours. The column title was corrected in the Sept 27, 2021 report. Additionally, degree days were previously calculated using a base of 60 degrees. The base temperature was changed to 50 degrees in the April 4, 2022 report.
[2] Total number of days with precipitation events this season.
[3] Rain or melted snow/ice.
[4] Normal periods 1990-2020 used in departure from normal calculations.

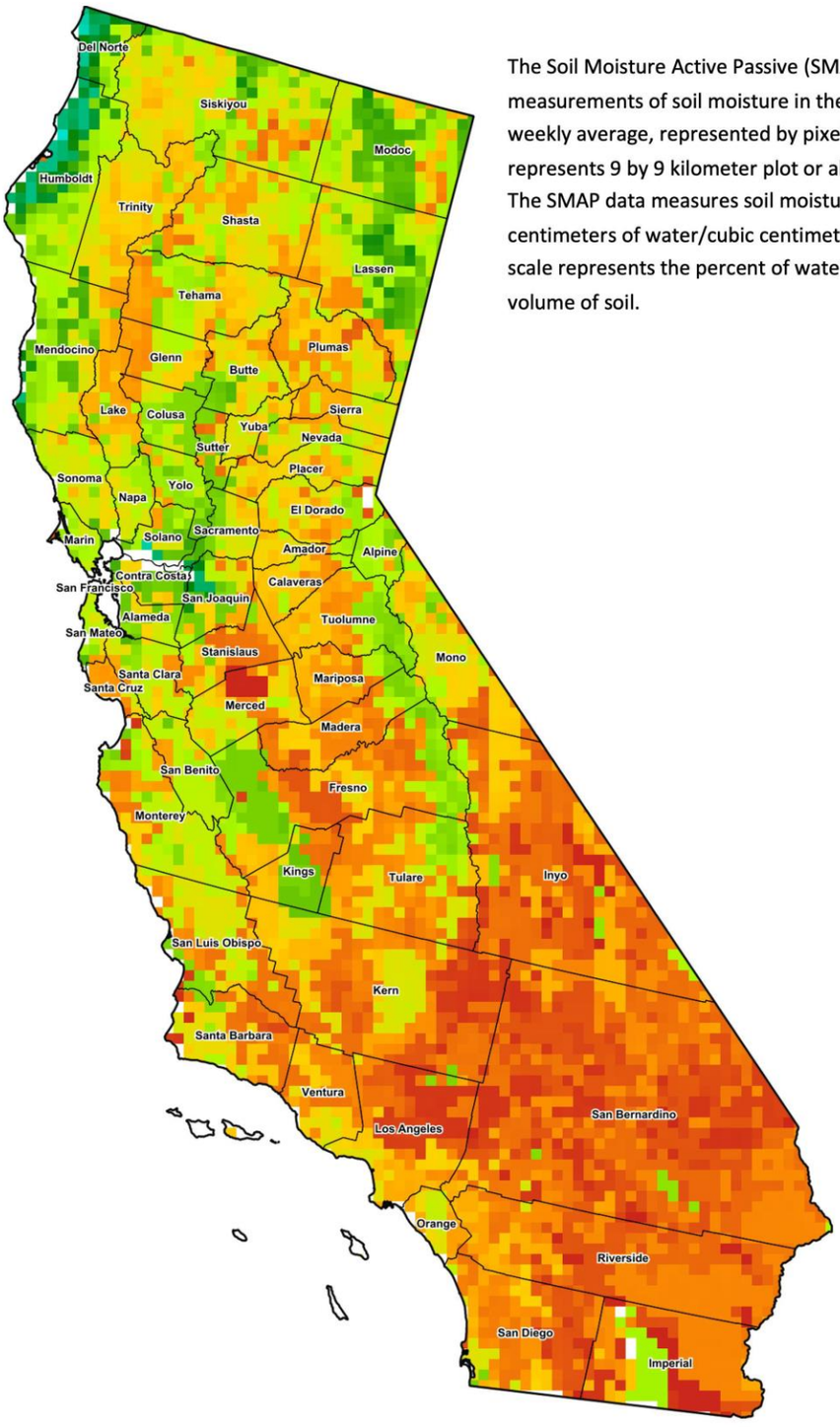
Data retrieved from NOAA and NWS. Calculated by USDA NASS.

Reservoir Data from the California Department of Water Resources

Reservoir	Capacity	July 31, 2022			This Date Last Year	
		Storage	Percent of Capacity	Percent of Average	Storage	Percent of Capacity
	Acre Feet	*Acre Feet*	*Percent*	*Percent*	*Acre Feet*	*Percent*
Shasta Lake	4,547,300	1,683,201	37	54	1,453,576	32
Lake Oroville	3,537,400	1,453,724	41	62	891,999	25
Trinity Lake	2,443,800	663,715	27	38	1,003,807	41
New Melones Reservoir	2,413,000	711,148	30	49	1,035,964	43
San Luis Reservoir	2,057,200	646,456	32	74	418,930	21
Don Pedro Reservoir	4,547,300	1,206,049	59	76	1,150,353	57

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

California Soil Moisture Map for the Week of July 18- 24, 2022



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.

Percent Soil Moisture

- 0%
- 5%
- 10%
- 15%
- 20%
- 25%
- 30%
- 35%
- 40%
- 45%
- 50%
- 55%
- 60%
- >65%

Drought Conditions from the U.S. Drought Monitor

Time	Percent of Land in Drought Rating						Drought Severity (DSCI)
	None	D0	D1	D2	D3	D4	
Current	0.00	0.22	2.31	37.66	47.07	12.74	370
Last Week	0.00	0.22	2.31	37.66	47.07	12.74	370
3 Months Ago	0.00	0.00	4.82	54.62	40.56	0.00	336
One Year Ago	0.00	0.00	4.91	6.50	42.10	46.49	430

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