United States Department of Agriculture
National Agricultural Statistics Service

California Crop Progress & Condition

Cooperating with the California Department of Food and Agriculture
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WEEK ENDING: July 17, 2022 **FREQUENCY: Weekly**
RELEASED: July 18, 2022 **VOL. 43 NO. 16**

WEATHER

Average lows for California ranged from 43 to 72 in the mountains, 47 to 70 along the coast, 54 to 94 in the desert, and 57 to 81 in the valley. Average highs for the state ranged from 60 to 105 along the coast, 76 to 100 in the mountains, 91 to 112 in the Central Valley, and 100 to 116 in the desert.

FIELD CROPS

In the Sacramento Valley, some **rice** growers were growing hay in fields usually used for rice due to drought conditions. In the San Joaquin Valley, **cotton** bloom and boll-setting continued. In Stanislaus County, **alfalfa** hay and silage were being harvested. Corn was sprayed for weeds and also for army worms, spider mites, and two spotted mites. In Tulare County, alfalfa, corn, and cotton fields continued to be irrigated and were thriving in the warm weather. Corn for silage was tasseling out. Cotton fields were beginning to bloom. Alfalfa was being cut, dried, and baled. **Bean** fields continued to be treated for weeds and insects. In Imperial County, conditions were very hot for hay crops.

FRUIT CROPS

Weed management and irrigation were taking place where necessary. Stone fruit harvest continued. Middle season varieties of **peaches**, **nectarines**, **plums**, **pluots**, and **apricots** were harvested. Table and raisin **grape** varieties were developing. **Persimmon**, **kiwifruit**, Asian **pear**, and **pomegranate** size steadily increased. **Tangerine** and **tangelo** harvest was winding down. **Grapefruit** and **lemon** harvests progressed. **Olives** continued to develop.

NUT CROPS

Insecticide spraying took place where necessary. Nut crops are looking good overall with some insect pressure. **Almond** hull split was ongoing with harvest quickly approaching. Some producers started their second hull split spray. **Walnut** and **pistachio** nut fill continued. Pistachio fertilization was still taking place.

VEGETABLE CROPS

In Stanislaus County, some **tomato** fields began showing color. Process tomato harvest began in the southern portion of the county. In Tulare County**, lettuce, onions**, tomatoes, **cucumbers, eggplant, garlic**, bell **peppers**, serrano peppers, summer **squash**, sweet **corn**, and **tomatillos** continued being harvested and sold at local Farmers' Markets. Summer vegetable crops continued to be planted and have developed well with warm temperatures.

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 sunflower fields. Sheep grazed on fallow fields and retired farmland. Some cattle received supplemental hay.

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 17, 2022

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 50 ºF BASE [1]		RAIN DAYS [2]	PRECIPITATION [3]			
	Average for Week Ending Jul 17, 2022	Departure from Normal [4]	High	Low	This Year Jan 1 - Jul 17, 2022	Normal Year [4] Jan 1 - July 17, 2022	This Season Oct 1 - Jul 17, 2022	This Week Ending Jul 17, 2022	This Season Oct 1 - Jul 17, 2022	Normal Season [4] Oct 1 - Jul 17	Normal Year [4] Oct 1 - Sept 30
	- - Degrees Fahrenheit - -				- - Number - -		- - Days - -	- - Inches of Precipitation - -			
North Coast											
Eureka WFO	58	0	69	47	590	496	114	0.00	26.28	39.47	40.61
Ukiah	78	3	105	55	1,875	1,726	66	0.00	19.58	34.61	35.07
Santa Rosa	68	0	93	47	1,720	1,486	60	0.00	26.19	33.60	34.00
Napa State Hospital	67	0	81	54	1,536	1,415	48	0.00	18.00	20.14	20.36
Central Coast											
San Francisco	64	0	77	54	1,683	1,533	44	0.00	18.18	19.53	19.77
San Jose	71	2	86	57	2,164	1,912	33	0.00	7.31	13.36	13.58
Salinas	NA	NA	NA	NA	NA	1,449	NA	NA	NA	12.49	12.66
Monterey	63	1	74	53	1,604	1,304	40	0.00	10.65	16.14	16.36
Paso Robles	77	4	105	53	2,249	1,786	24	0.00	8.72	12.04	12.24
Sacramento Valley											
Redding	87	3	112	64	2,815	2,453	60	0.00	18.86	32.92	33.70
Red Bluff	86	4	108	63	2,806	2,428	47	0.00	12.66	22.86	23.25
Orland	83	4	106	63	2,858	2,310	44	0.00	11.57	21.06	21.52
Oroville	86	5	106	65	2,853	2,441	50	0.00	17.37	25.45	25.84
Marysville	83	4	105	57	2,571	2,269	42	0.00	8.49	19.91	20.21
Sacramento	82	5	105	61	2,493	2,117	43	0.00	14.03	17.81	18.10
San Joaquin Valley											
Stockton	81	3	104	59	2,571	2,404	36	0.00	9.81	13.36	13.53
Modesto	82	3	102	61	2,558	2,448	33	0.00	9.00	12.20	12.34
Merced Macready	84	5	106	63	2,632	2,309	28	0.00	7.45	11.75	11.87
Madera	84	4	107	62	2,495	2,458	23	0.00	2.66	10.76	10.86
Fresno	89	5	109	69	3,179	2,754	24	0.00	6.30	10.93	11.05
Lemoore	86	5	112	63	2,742	2,465	20	0.00	4.03	7.15	7.23
Visalia	84	4	107	65	2,887	2,449	27	0.00	7.27	10.25	10.37
Bakersfield	89	4	108	71	3,185	2,958	21	0.00	5.42	6.31	6.40
Cascade Sierra											
Alturas	71	2	100	43	668	719	63	0.00	7.46	10.92	11.72
Mount Shasta	74	5	99	52	979	840	81	0.00	19.11	36.80	37.86
Blue Canyon	74	3	85	61	1,034	829	66	0.00	65.28	61.63	62.80
Yosemite Valley	72	-1	82	61	908	1,158	47	0.00	26.95	39.65	40.65
South Coast											
Santa Maria	64	0	75	53	1,501	1,514	25	0.00	7.81	13.23	13.42
Santa Barbara	64	-2	74	57	1,891	1,649	26	0.00	10.54	17.16	17.38
Oxnard	64	-3	70	58	1,971	1,980	25	0.00	11.65	12.83	13.05
Riverside	79	0	100	60	3,313	2,829	23	0.00	4.85	9.18	9.48
Los Angeles	68	-2	80	62	2,674	2,400	27	0.00	10.19	12.10	12.33
San Diego	67	-4	71	63	2,344	2,638	28	0.00	6.10	9.62	9.87
Southeast Interior											
Bishop	81	3	105	54	1,956	1,795	14	0.10	4.85	4.58	4.87
Daggett	94	4	111	74	3,686	3,328	11	0.17	1.26	3.25	3.80
Lancaster	88	5	108	60	2,647	2,320	16	0.00	4.10	6.62	6.86
Thermal	96	5	115	74	4,452	4,253	6	0.00	0.19	2.45	2.98
Blythe	101	6	116	83	4,854	4,552	5	0.00	0.28	2.71	3.58
Imperial	98	5	113	78	4,563	4,352	2	0.00	0.06	1.97	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.

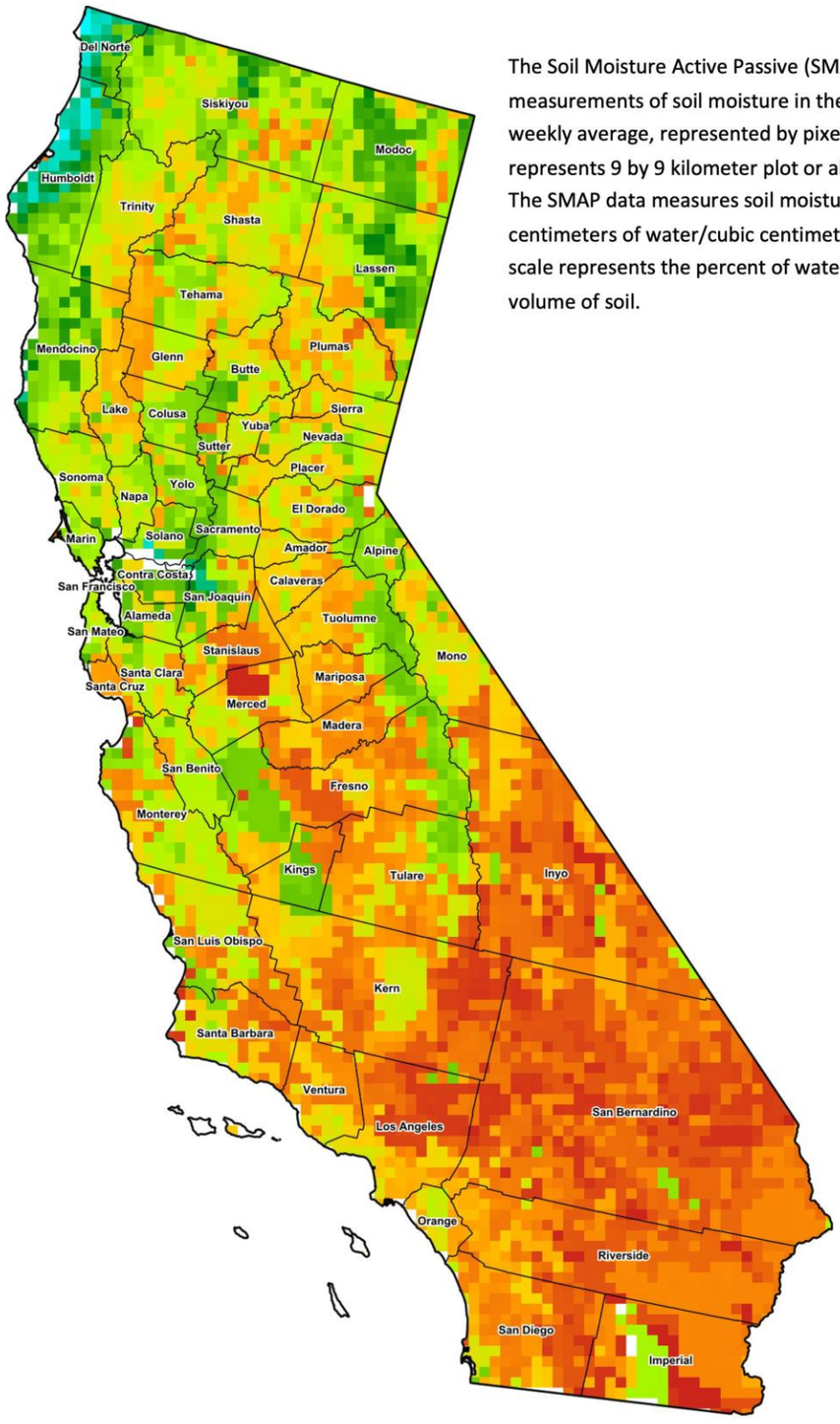
Data retrieved from NOAA and NWS. Calculated by USDA NASS.

Reservoir Data from the California Department of Water Resources

Reservoir	Capacity	July 17, 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	1,724,399	38	52	1,582,379	35
Lake Oroville	3,537,400	1,562,891	44	62	990,264	28
Trinity Lake	2,443,800	687,789	28	38	1,076,266	44
New Melones Reservoir	2,413,000	745,238	31	51	1,119,605	47
San Luis Reservoir	2,057,200	709,347	35	72	522,110	26
Don Pedro Reservoir	4,547,300	1,251,993	62	77	1,197,356	59

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

California Soil Moisture Map for the Week of July 4 - 10, 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	0.20	2.31	37.67	47.07	12.74	370
Last Week	0.00	0.20	2.31	37.67	48.22	11.59	369
3 Months Ago	0.00	0.00	4.25	48.88	46.87	0.00	343
One Year Ago	0.00	0.00	5.25	9.02	52.41	33.32	414

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