



California Crop Progress & Condition

Cooperating with the California Department of Food and Agriculture
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WEEK ENDING: April 24, 2022
RELEASED: April 25, 2022

FREQUENCY: Weekly
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WEATHER

Average lows for California ranged from 24 to 39 in the mountains, 32 to 69 in the desert, 34 to 57 along the coast, and 38 to 56 in the Central Valley. Average highs for the state ranged from 36 to 69 in the mountains, 54 to 85 along the coast, 60 to 82 in the Central Valley, and 61 to 102 in the desert. From the California Department of Water Resources (DWR), snowpack water content in the Northern Sierra was 8.10 inches compared to 5.60 inches this date last year; Central Sierra was 10.90 inches compared to 8.20 inches this date last year; Southern Sierra was 4.80 inches compared to 3.20 inches this date last year. California DWR CIMIS stations recorded 1,352 chill hours at Gerber; 1,258 chill hours at Williams; 1,329 chill hours at Holt; 1,591 chill hours at Merced; 1,332 chill hours at Fresno; and 1,124 chill hours at Arvin.

FIELD CROPS

In the Sacramento Valley, many **wheat** fields were fully headed and turning color, signaling maturity. **Rice** ground was being prepared for planting. **Cotton** continued to be planted in Merced County. In Tulare County, **alfalfa** was being cut for silage and green chop. Small grains continued maturing in fields. Later planted fields were still being treated for weed control. **Corn** continued to be planted, with some starting to emerge. Winter grain fields that have been harvested for silage were being fertilized, tilled, and planted with corn. In Stanislaus County, alfalfa, **oat**, and wheat hay were being harvested for silage.

FRUIT CROPS

Some stone fruit orchards were thinned and irrigated. Spraying took place in preparation of the upcoming season. **Cherries** were maturing and on the peak of harvest. **Apricots, apples, pears, peaches, plums, nectarines,** and **prunes** continued to leaf out. **Grape** and **kiwi** bloom continued. **Persimmon, pomegranate,** and **quince** trees were budding. **Orange** bloom was reportedly complete in Tulare County with possible effects on the crop due to the warm weather. Valencia and Navel oranges, **tangelo, grapefruit, lemon,** and **mandarin** harvests were underway. Seedless **tangerine** groves remained netted to prevent cross pollination where needed. **Avocado** and **olive** trees were steadily blooming. Young **strawberry** crops were covered with plastic. **Blueberry** and **blackberry** steadily matured.

NUT CROPS

Almonds were affected by the frost, more so in some areas than others, but the crop quality overall remains in good standing in comparison to last year. **Walnut** and **pistachio** leaf out was ongoing.

VEGETABLE CROPS

Celery harvest has been steady in the southern part of the state. Quality was reported better than average. In Stanislaus County, vegetables were sold at local Farmers Markets. In Tulare County, **leaf lettuce** harvest continued. **Onions, fava beans, eggplants, squash, zucchini, sweet corn,** and **garlic** continued to grow.

LIVESTOCK

Rangeland and non-irrigated pasture were in fair to good condition following recent storms. Irrigated range was in good to excellent condition. Sheep continued to graze on fallow fields and retired farmland. Bees were active in blooming citrus groves. Some bee hives were moved out of state and some to the foothills of the Sierras. Cattle grazed on lower elevation range.

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

CALIFORNIA CROP WEATHER – WEEK ENDING APRIL 24, 2022											
STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 50 °F BASE ¹		RAIN DAYS ²	PRECIPITATION ³			
	Average for Week Ending Apr 24, 2022	Departure from Normal ⁴	High	Low	This Year	Normal Year ⁴	This Season	This Week	This Season	Normal Season ⁴	Normal Year ⁴
					Jan 1 - Apr 24, 2022	Jan 1 - Apr 24, 2022	Oct 1 - Apr 24, 2022	Week Ending Apr 24, 2022	Oct 1 - Apr 24, 2022	Oct 1 - Apr 24	Oct 1 - Sept 30
-- Degrees Fahrenheit --				-- Number --		-- Days --	-- Inches of Precipitation --				
North Coast											
Eureka WFO	49	-2	61	39	83	27	87	1.40	22.43	36.49	40.61
Ukiah	53	-4	77	37	430	256	56	0.63	18.46	32.80	35.07
Santa Rosa	54	-3	75	34	428	293	55	0.70	25.43	31.78	34.00
Napa State Hospital	54	-2	73	35	311	273	47	0.51	17.72	18.98	20.36
Central Coast											
San Francisco	59	1	68	45	623	527	42	0.43	18.13	18.77	19.77
San Jose	60	1	77	42	705	558	32	0.17	7.30	12.67	13.58
Salinas	NA	NA	NA	NA	NA	514	NA	NA	NA	11.94	12.66
Monterey	57	1	71	41	663	493	39	0.22	10.63	15.39	16.36
Paso Robles	57	-1	83	37	528	313	24	0.18	8.72	11.59	12.24
Sacramento Valley											
Redding	57	-4	80	40	733	401	52	0.88	17.89	29.97	33.70
Red Bluff	58	-3	81	43	727	422	42	0.23	11.93	20.90	23.25
Orland	56	-5	74	38	790	439	39	0.06	11.19	19.35	21.52
Oroville	60	-2	82	46	760	487	44	0.60	16.37	23.83	25.84
Marysville	59	-2	82	42	580	423	39	0.38	8.17	18.53	20.21
Sacramento	59	-1	80	43	563	387	39	0.06	13.66	16.84	18.10
San Joaquin Valley											
Stockton	60	-2	82	41	643	541	35	0.55	9.75	12.55	13.53
Modesto	59	-3	80	44	624	552	33	0.20	9.00	11.27	12.34
Merced Macready	60	-1	81	45	602	438	28	0.39	7.45	10.94	11.87
Madera	59	-3	80	43	570	515	22	0.17	2.27	10.02	10.86
Fresno	62	-1	81	48	869	609	24	0.21	6.30	10.12	11.05
Lemoore	61	-1	82	42	668	500	20	0.02	4.03	6.65	7.23
Visalia	62	0	79	45	743	509	26	0.12	7.23	9.63	10.37
Bakersfield	64	0	82	50	864	722	20	0.56	5.58	5.93	6.40
Cascade Sierra											
Alturas	42	-3	65	24	4	0	49	0.65	5.89	8.54	11.72
Mount Shasta	43	-5	69	31	52	0	63	1.55	17.76	33.07	37.86
Blue Canyon	40	-6	58	29	144	0	56	3.85	61.71	55.57	62.80
Yosemite Valley	NA	NA	NA	NA	NA	16	NA	NA	NA	35.80	40.65
South Coast											
Santa Maria	57	0	75	43	605	572	25	0.38	7.81	12.68	13.42
Santa Barbara	60	2	81	44	751	609	25	0.29	10.55	16.52	17.38
Oxnard	59	0	85	48	919	851	25	0.24	11.61	12.34	13.05
Riverside	64	0	85	47	1,303	992	22	0.20	4.83	8.82	9.48
Los Angeles	62	0	85	53	1,275	1,048	26	0.37	10.31	11.65	12.33
San Diego	61	-2	76	51	1,055	1,202	27	0.01	6.08	9.17	9.87
Southeast Interior											
Bishop	55	-1	86	32	270	140	12	0.00	4.76	4.09	4.87
Daggett	67	0	92	46	971	755	9	0.07	1.09	3.02	3.80
Lancaster	60	0	85	39	494	334	15	0.13	3.62	6.35	6.86
Thermal	75	3	102	51	1,473	1,403	6	0.00	0.19	2.37	2.98
Blythe	75	2	99	56	1,600	1,488	5	0.00	0.28	2.51	3.58
Imperial	73	1	99	50	1,519	1,468	2	0.00	0.06	1.86	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.

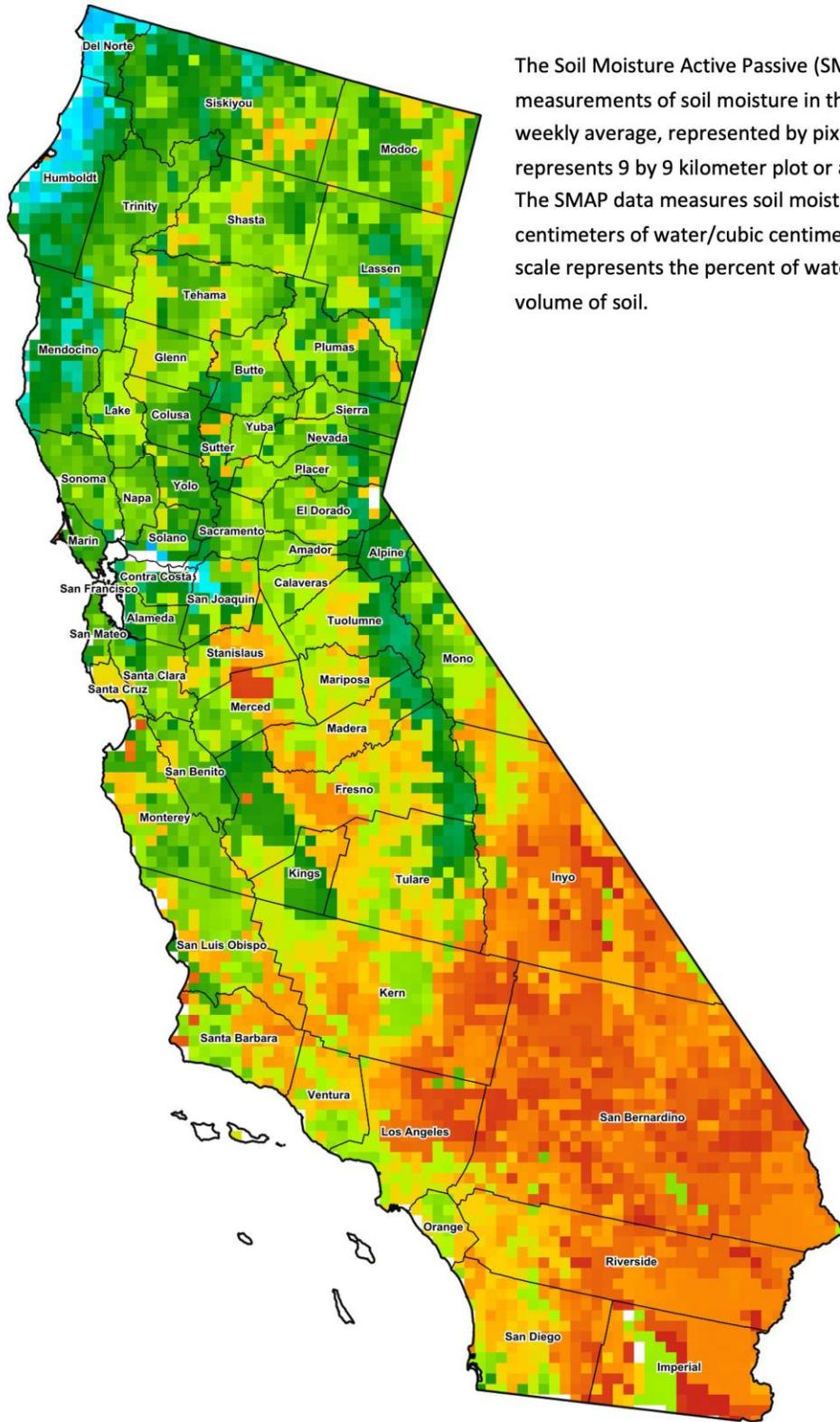
⁴ Normal periods 1990-2020 used in departure from normal calculations.

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

Reservoir	Capacity	April 24, 2022			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	1,789,673	39	47	2,328,271	51
Lake Oroville	3,537,400	1,865,070	53	69	1,497,385	42
Trinity Lake	2,443,800	772,592	32	41	1,312,160	54
New Melones Reservoir	2,413,000	925,328	39	62	1,478,713	62
San Luis Reservoir	2,057,200	942,087	46	55	1,037,627	51
Don Pedro Reservoir	4,547,300	1,269,022	63	82	1,378,353	68

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

Time	Rating						Drought Severity (DSCI)
	None	D0	D1	D2	D3	D4	
Current	0.00	0.00	4.82	54.37	40.81	0.00	336
Last Week	0.00	0.00	4.25	48.88	46.87	0.00	343
3 Months Ago	0.00	0.75	32.86	65.00	1.39	0.00	267
One Year Ago	0.00	3.46	11.17	35.51	44.50	5.36	337

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