



California Crop Progress & Condition

Cooperating with the California Department of Food and Agriculture
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WEEK ENDING: April 30, 2023
RELEASED: May 1, 2023

FREQUENCY: Weekly
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WEATHER

Average lows for California ranged from 28 to 57 in the mountains, 40 to 73 in the desert, 41 to 61 along the coast, and 42 to 67 in the Central Valley. Average highs for the state ranged from 47 to 84 in the mountains, 53 to 94 along the coast, 71 to 97 in the Central Valley, and 79 to 104 in the desert. From the California Department of Water Resources (DWR), snowpack water content in the Northern Sierra was 50.90 inches compared to 6.80 inches this date last year; Central Sierra was 53.10 inches compared to 10.10 inches this date last year; Southern Sierra was 54.20 inches compared to 4.20 inches this date last year. California DWR CIMIS stations recorded 1,762 chill hours at Gerber; 1,588 chill hours at Williams; 1,590 chill hours at Holt; 1,784 chill hours at Merced; 1,526 chill hours at Fresno; and 1,408 chill hours at Arvin.

FIELD CROPS

Warm and dry weather allowed growers to catch up with pesticide and herbicide applications across the state. In the Sacramento Valley, **rice** field work was nearing completion in preparation for planting. Winter **wheat** fields were almost fully headed. Growers began to bale **alfalfa**. **Corn** fields emerged due to warm weather. In Stanislaus County, wheat, **oat** hay and silage harvests continued. In the San Joaquin Valley, dam releases kept fields flooded and hindered **cotton** crop establishment. Cutting of alfalfa began. In Tulare County, winter grain and forage crops were treated for pests. Some winter forage crop fields were harvested for silage. Other fields were irrigated and continued to mature. Fields that were flooded along the Tule River were drying out. Cotton and corn silage fields were tilled and planted. Alfalfa fields were cut for haylage, or cut and raked in preparation for baling.

FRUIT CROPS

Early stone fruit varieties were leafing out while later varieties continued to bloom. **Grape** buds continued to open, and some were leafing out. Wine grapes were sprayed for weeds. Grapes were sprayed for mildew. Navel **orange** harvest slowed while Valencia orange harvest began. **Lemons** and **mandarins** continued to be picked and packed. Seedless varieties of mandarins have been netted to prevent pollination. **Kiwi** growers placed bee apiaries in groves as kiwi vines started to leaf out. **Cherry** bloom was complete and fruit was sizing well. **Apples** were sprayed for fire blight. **Blueberries** were irrigated and early harvest began in some areas. **Strawberries** continued to be picked.

NUT CROPS

Pests began to appear with rising temperatures. Early variety **pistachios** have passed full bloom and have begun forming nutlets; later varieties were still blooming. Some **almond** orchards displayed the beginning signs of jelly differentiating at the tips. Chandler **walnuts** were in full bloom and orchards were monitored for pests.

VEGETABLE CROPS

In the Sacramento Valley, processing **tomato** planting continued. **Corn** fields emerged with warmer weather. Fresno County tomato planting slowed due to unseasonably high temperatures. Early planted tomatoes were cultivated and fertilized. **Onions** and **carrots** were irrigated and fertilized. In Stanislaus County, tomato and **sweet potato** fields were treated for pests. In Tulare County, **cucumbers**, **zucchini**, and other leafy greens were planted. **Cabbage**, **broccoli**, **lettuce**, **garlic**, and onions continued to grow.

LIVESTOCK

Warm temperatures stimulated grass growth on rangeland and non-irrigated pasture. Irrigated pasture was in good to excellent condition. Muddy conditions persisted in a few locations. Bees were active in some late blooming orchards. Hive movement out of state continued. Cattle grazed on lower elevation range. Sheep grazed on fallow fields and retired farmland.

CALIFORNIA CROP WEATHER – WEEK ENDING APRIL 30, 2023

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 50 °F BASE ¹		RAIN DAYS ²	PRECIPITATION ³			
	Average for Week Ending Apr 30, 2023	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 30, 2023	Jan 1 - Apr 30, 2023	Oct 1 - Apr 30, 2023	Week Ending Apr 30, 2023	Oct 1 - Apr 30, 2023	Oct 1 - Apr 30	Oct 1 - Sept 30
	-- Degrees Fahrenheit --				-- Number --		-- Days --	-- Inches of Precipitation --			
North Coast							10				
Eureka WFO	51	-1	63	42	72	39	0	0.09	38.43	37.00	40.61
Ukiah	66	8	94	44	290	310	76	0.00	37.49	33.08	35.07
Santa Rosa	63	5	87	43	332	341	68	0.00	40.99	32.01	34.00
Napa State Hospital	NA	NA	NA	NA	NA	321	NA	NA	NA	19.11	20.36
Central Coast											
San Francisco	60	2	79	48	465	581	67	0.00	30.66	18.91	19.77
San Jose	64	4	88	48	469	623	57	0.00	14.79	12.79	13.58
Salinas	NA	NA	NA	NA	NA	562	NA	NA	NA	12.04	12.66
Monterey	54	-2	71	44	255	534	58	0.00	23.08	15.49	16.36
Paso Robles	66	7	92	41	352	371	59	0.00	20.54	11.65	12.24
Sacramento Valley											
Redding	72	10	94	47	446	478	69	0.00	36.34	30.31	33.70
Red Bluff	71	8	91	46	433	501	63	0.00	25.89	21.13	23.25
Orland	NA	NA	NA	NA	NA	517	NA	NA	NA	19.54	21.52
Oroville	NA	NA	NA	NA	NA	570	NA	NA	NA	24.06	25.84
Marysville	70	8	91	47	455	501	52	0.00	21.48	18.70	20.21
Sacramento	71	9	91	51	529	461	59	0.00	23.54	16.97	18.10
San Joaquin Valley											
Stockton	68	5	91	49	469	625	56	0.00	22.89	12.69	13.53
Modesto	70	6	91	51	426	637	61	0.00	19.32	11.40	12.34
Merced Macready	70	7	93	49	458	517	51	0.00	18.61	11.08	11.87
Madera	NA	NA	NA	NA	NA	599	NA	NA	NA	10.12	10.86
Fresno	75	10	96	54	651	703	45	0.00	16.02	10.25	11.05
Lemoore	72	8	97	47	516	587	37	0.00	7.40	6.73	7.23
Visalia	71	8	93	49	577	591	52	0.00	15.55	9.76	10.37
Bakersfield	75	9	96	56	678	822	46	0.00	8.86	6.01	6.40
Cascade Sierra											
Alturas	53	6	82	28	40	0	74	0.00	10.51	8.81	11.72
Mount Shasta	59	9	84	37	86	2	80	0.00	42.37	33.41	37.86
Blue Canyon	58	11	73	43	83	0	84	0.00	86.77	56.36	62.80
Yosemite Valley	NA	NA	NA	NA	NA	37	NA	NA	NA	36.28	40.65
South Coast											
Santa Maria	55	-2	65	44	299	620	51	0.00	23.18	12.79	13.42
Santa Barbara	57	-2	65	52	581	665	45	0.00	27.85	16.62	17.38
Oxnard	56	-4	63	51	489	911	49	0.00	21.22	12.42	13.05
Riverside	67	2	88	52	720	1,083	47	0.00	12.86	8.89	9.48
Los Angeles	60	-2	67	54	791	1,124	50	0.00	23.56	11.72	12.33
San Diego	63	-1	68	58	892	1,286	53	0.00	13.76	9.25	9.87
Southeast Interior											
Bishop	64	6	89	40	204	191	32	0.00	13.67	4.12	4.87
Daggett	76	8	98	53	712	868	18	0.00	2.69	3.04	3.80
Lancaster	71	9	95	46	393	408	29	0.00	6.93	6.39	6.86
Thermal	82	8	104	53	1,242	1,549	14	0.00	1.21	2.37	2.98
Blythe	NA	NA	NA	NA	NA	1,641	NA	NA	NA	2.52	3.58
Imperial	80	7	102	57	1,362	1,611	11	0.00	0.84	1.87	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.

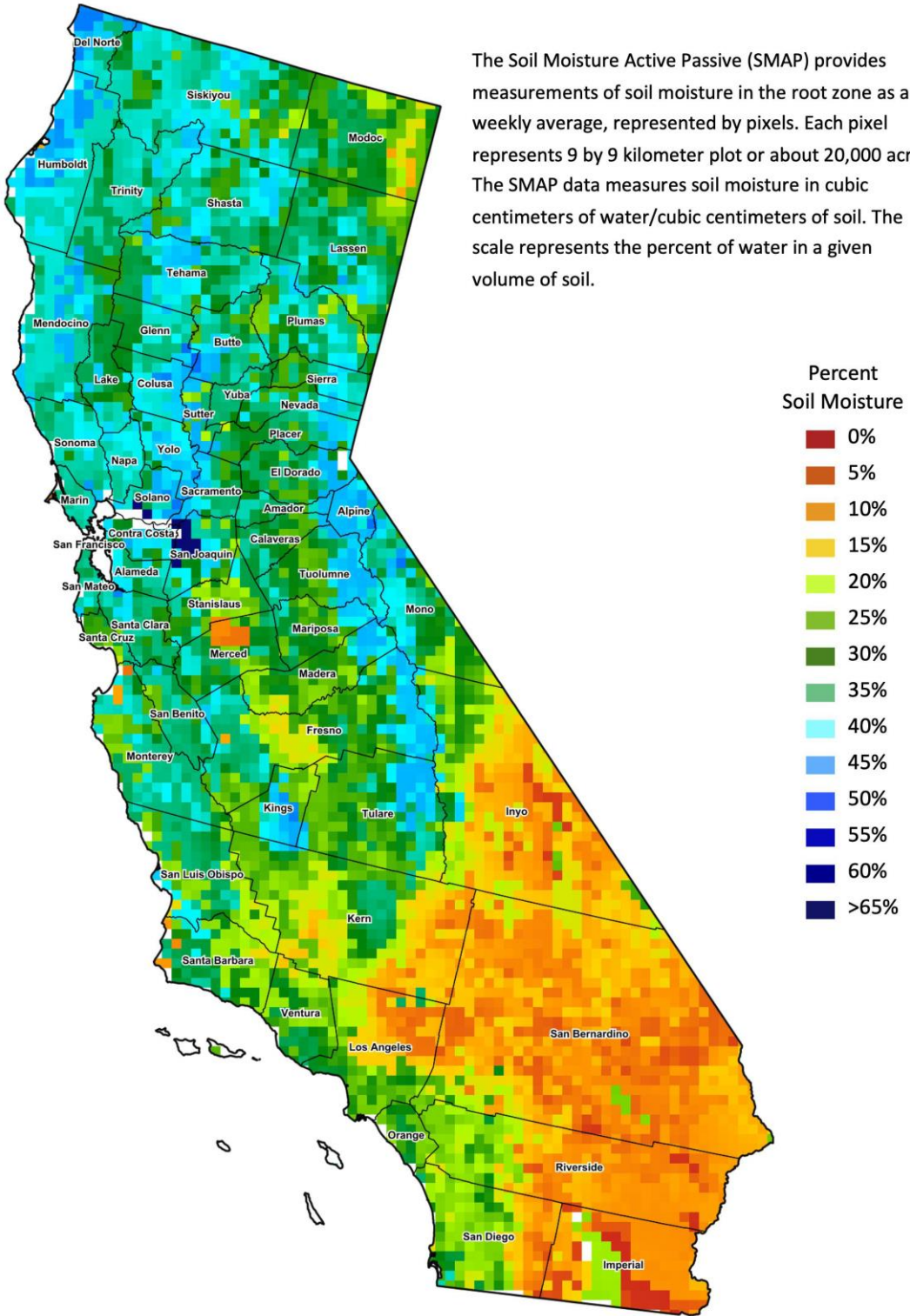
⁴ Normal periods 1990-2020 used in departure from normal calculations.

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 30, 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	4,430,136	97	115	1,808,220	40
Lake Oroville	3,537,400	3,229,989	91	118	1,916,629	54
Trinity Lake	2,443,800	889,740	36	47	766,349	31
New Melones Reservoir	2,413,000	1,513,509	63	101	922,382	38
San Luis Reservoir	2,057,200	2,013,748	99	120	950,045	47
Don Pedro Reservoir	4,547,300	1,552,889	76	100	1,289,131	64

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



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	68.04	23.98	7.98	0.00	0.00	0.00	40
Last Week	65.67	25.55	8.79	0.00	0.00	0.00	43
3 Months Ago	0.64	9.80	56.99	32.57	0.00	0.00	221
One Year Ago	0.00	0.00	4.82	54.62	40.56	0.00	336

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