



California Crop Progress & Condition

Cooperating with the California Department of Food and Agriculture
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WEEK ENDING: April 16, 2023
RELEASED: April 17, 2023

FREQUENCY: Weekly
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WEATHER

Average lows for California ranged from 16 to 46 in the mountains, 31 to 99 along the coast, 32 to 63 in the desert, and 37 to 56 in the Central Valley. Average highs for the state ranged from 44 to 74 in the mountains, 51 to 85 along the coast, 63 to 100 in the desert, and 65 to 88 in the Central Valley. From the California Department of Water Resources (DWR), snowpack water content in the Northern Sierra was 56.50 inches compared to 6.70 inches this date last year; Central Sierra was 59.80 inches compared to 9.60 inches this date last year; Southern Sierra was 61.20 inches compared to 5.60 inches this date last year. California DWR CIMIS stations recorded 1,741 chill hours at Gerber; 1,567 chill hours at Williams; 1,568 chill hours at Holt; 1,764 chill hours at Merced; 1,510 chill hours at Fresno; and 1,401 chill hours at Arvin.

FIELD CROPS

In the Sacramento Valley, ground preparation for **corn**, **safflower**, and **sunflower** started as fields began to dry. Winter **wheat** continued to head out and mature. Some fields were still wet and unable to be prepped due to standing water. **Rice** fields were prepped for planting when conditions allowed. In San Joaquin Valley, cooler temperatures kept soil conditions unfavorable for planting **cotton**. Some cotton growers were considering planting other crops and prevented planting in place of cotton as the planting deadline approaches. In Stanislaus County, wheat and **oats** continued to grow well and were heading out. Fields of **alfalfa** were being irrigated and sprayed for weeds and weevil. Wheat and oat fields for silage were sprayed for weeds. In Tulare County, winter wheat was being prepped for harvest as flooded fields were drying. Other fields were plowed and disced in preparation for spring planting. Some spring planting had begun. Various fields that were temporarily flooded along the Tule River were drying out. Winter wheat, oats, and **barley** continued to grow despite excess rain damage. Cutting and drying of alfalfa fields was delayed due to rain. Fields were being prepared for corn and cotton. Winter grain and forage crops were being treated for pests. Drier weather allowed growers to catch up with pesticide and herbicide applications.

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. Navel **oranges**, **mandarins**, **lemons**, and **tangelos** were picked and packed. Some **olive** trees were being trimmed while other mature trees were dug for ornamental use. **Cherry** bloom was complete. **Apples** were sprayed for fire blight. **Blueberries** and **blackberries** continued to bloom. Ongoing rain and more recent hail have hindered the typical **strawberry** harvest time.

NUT CROPS

Following months of rain, **almond**, **walnut**, and **pistachio** orchards continued to dry out. Walnuts and pistachios were nearing full bloom. Almonds were developing. Some growers applied fungicides.

VEGETABLE CROPS

In the Sacramento Valley, processing **tomato** planting continued. **Asparagus** harvest was underway in the Capay Valley. **Broccoli** was sprayed for weeds in Stanislaus County. **Sweet potato** fields were treated for nematodes. Irrigation lines were placed in established **garlic** fields. In San Mateo County, fumigations began in preparation for planting **brussel sprouts**. Some vegetable crop growth remained slow due to earlier rainfall.

LIVESTOCK

Warm weather promoted grass growth on rangeland and non-irrigated pasture. Irrigated pasture was in good to excellent condition. Muddy conditions persist in some locations. Bees were active in late fruit orchards. Some hives were still in almond orchards and others were being moved out of state. Cattle grazed on lower elevation range.

CALIFORNIA CROP WEATHER – WEEK ENDING APRIL 16, 2023

STATIONS	TEMPERATURE				GROWING DEGREE DAYS AT 50 °F BASE ¹		RAIN DAYS ²	PRECIPITATION ³			
	Average for Week Ending Apr 16, 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 16, 2023	Jan 1 - Apr 16, 2023	Oct 1 - Apr 16, 2023	Week Ending Apr 16, 2023	Oct 1 - Apr 16, 2023	Oct 1 - Apr 16	Oct 1 - Sept 30
	-- Degrees Fahrenheit --				-- Number --		-- Days --	-- Inches of Precipitation --			
North Coast											
Eureka WFO	47	-4	62	31	58	14	95	1.06	37.71	35.63	40.61
Ukiah	54	-1	79	37	129	198	74	0.00	37.32	32.23	35.07
Santa Rosa	59	3	75	38	180	236	67	0.00	40.96	31.31	34.00
Napa State Hospital	55	0	73	39	206	218	62	0.00	28.73	18.69	20.36
Central Coast											
San Francisco	55	-2	68	47	345	463	66	0.00	30.62	18.47	19.77
San Jose	56	-2	79	43	300	480	56	0.00	14.72	12.42	13.58
Salinas	NA	NA	NA	NA	NA	455	NA	NA	NA	11.73	12.66
Monterey	52	-3	63	39	205	445	57	0.00	23.05	15.17	16.36
Paso Robles	56	-1	81	34	193	246	59	0.00	20.54	11.47	12.24
Sacramento Valley											
Redding	59	0	78	37	223	314	68	0.00	36.32	29.38	33.70
Red Bluff	58	-1	79	37	206	333	63	0.00	25.89	20.52	23.25
Orland	NA	NA	NA	NA	NA	348	NA	NA	NA	19.02	21.52
Oroville	61	1	81	41	282	391	64	0.00	26.11	23.42	25.84
Marysville	59	0	80	44	238	334	52	0.00	21.48	18.21	20.21
Sacramento	60	2	79	46	297	304	58	0.00	23.53	16.56	18.10
San Joaquin Valley											
Stockton	59	-1	82	43	270	442	56	0.00	22.89	12.30	13.53
Modesto	58	-2	81	42	212	452	60	0.00	19.31	11.05	12.34
Merced Macready	59	0	82	41	251	348	51	0.00	18.61	10.67	11.87
Madera	59	-1	82	39	288	417	50	0.00	10.32	9.80	10.86
Fresno	63	1	88	46	381	499	45	0.00	16.02	9.87	11.05
Lemoore	60	0	87	38	291	400	37	0.00	7.40	6.53	7.23
Visalia	61	1	78	41	344	413	52	0.00	15.55	9.41	10.37
Bakersfield	63	0	88	47	416	604	46	0.00	8.86	5.79	6.40
Cascade Sierra											
Alturas	42	-1	74	16	4	0	72	0.00	10.14	8.14	11.72
Mount Shasta	46	0	70	28	5	0	80	0.00	42.37	32.41	37.86
Blue Canyon	44	0	60	31	8	0	82	0.00	85.97	54.32	62.80
Yosemite Valley	NA	NA	NA	NA	NA	2	NA	NA	NA	34.90	40.65
South Coast											
Santa Maria	53	-4	71	40	213	512	51	0.00	23.18	12.49	13.42
Santa Barbara	55	-3	64	45	457	538	45	0.00	27.85	16.33	17.38
Oxnard	55	-3	62	48	383	776	49	0.00	21.22	12.19	13.05
Riverside	61	-2	85	45	489	879	47	0.05	12.87	8.67	9.48
Los Angeles	57	-4	64	49	631	952	50	0.08	23.56	11.52	12.33
San Diego	59	-4	65	53	708	1,090	51	0.13	13.77	9.03	9.87
Southeast Interior											
Bishop	56	2	83	32	56	87	32	0.00	13.67	4.05	4.87
Daggett	69	4	93	49	409	619	18	0.00	2.69	2.97	3.80
Lancaster	60	2	86	34	164	251	29	0.00	6.93	6.26	6.86
Thermal	72	2	100	50	847	1,223	14	0.00	1.21	2.35	2.98
Blythe	NA	NA	NA	NA	NA	1,298	NA	NA	NA	2.50	3.58
Imperial	72	2	97	53	985	1,289	11	0.00	0.84	1.85	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.

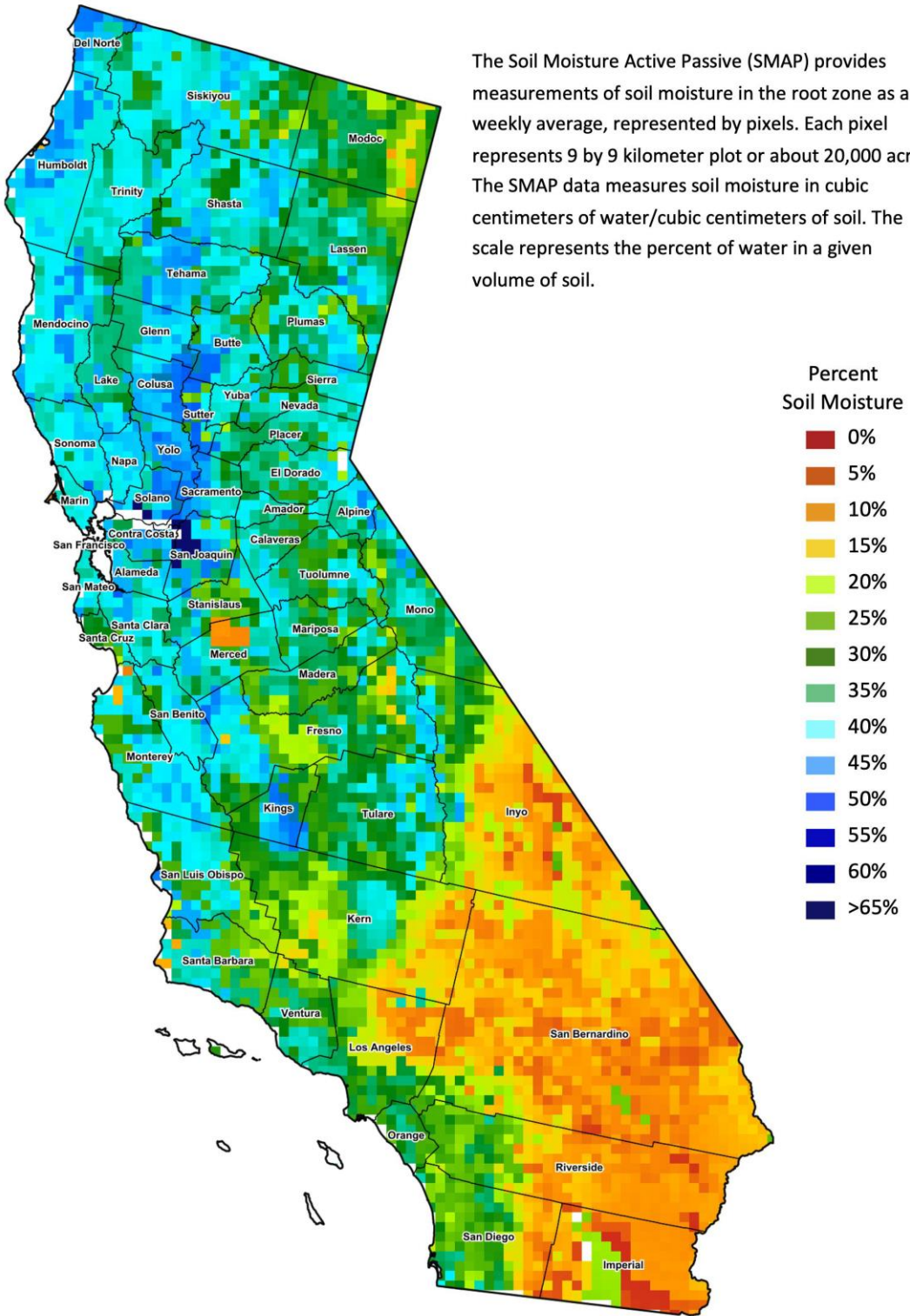
Data retrieved from NOAA and NWS. Calculated by USDA NASS.

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Reservoir Data from the California Department of Water Resources

Reservoir	Capacity	April 16, 2023			This Date Last Year	
		Storage	Percent of Capacity	Percent of Average	Storage	Percent of Capacity
	<i>Acre Feet</i>	<i>Acre Feet</i>	<i>Percent</i>	<i>Percent</i>	<i>Acre Feet</i>	<i>Percent</i>
Shasta Lake	4,547,300	4,204,107	92	113	1,752,343	38
Lake Oroville	3,537,400	3,127,809	88	119	1,738,195	49
Trinity Lake	2,443,800	919,261	38	49	802,156	33
New Melones Reservoir	2,413,000	1,443,777	60	97	926,905	39
San Luis Reservoir	2,057,200	2,025,549	99	118	935,913	46
Don Pedro Reservoir ¹	4,547,300	1,629,203	80	106	1,267,304	62

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	65.67	25.55	8.79	0.00	0.00	0.00	43
Last Week	56.17	18.97	24.04	0.82	0.00	0.00	70
3 Months Ago	0.00	4.62	49.38	45.68	0.32	0.00	242
One Year Ago	0.00	0.00	4.25	48.88	46.87	0.00	343

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