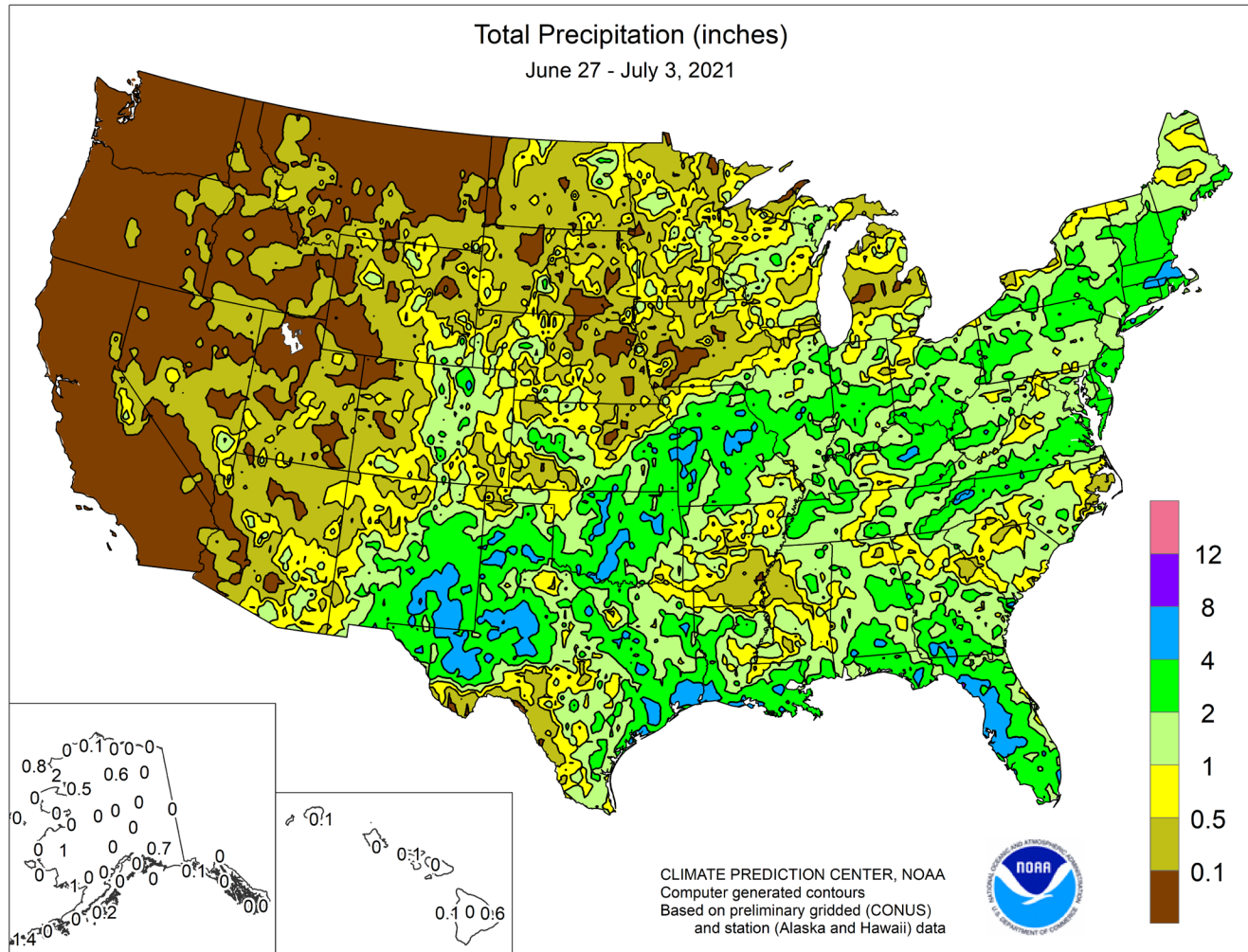


WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board



HIGHLIGHTS

June 27 – July 3, 2021

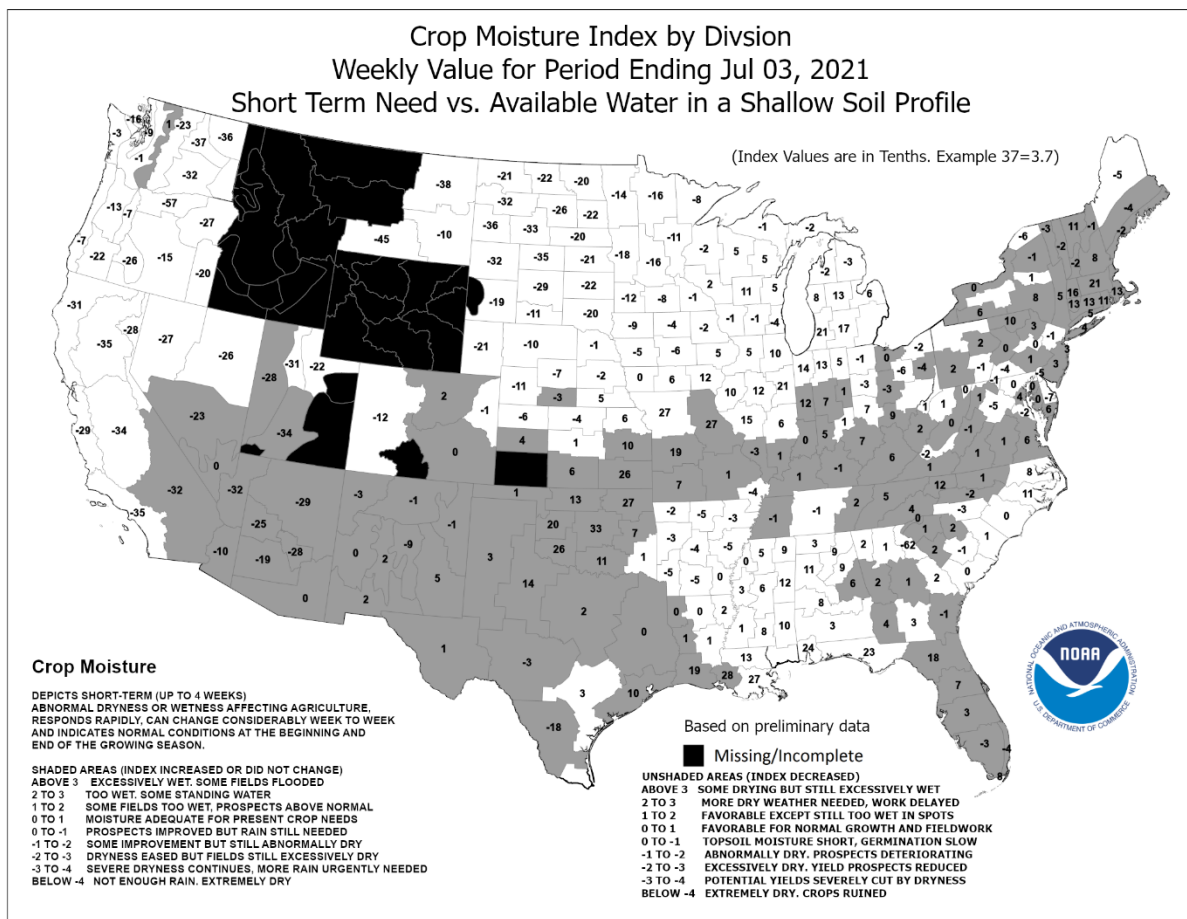
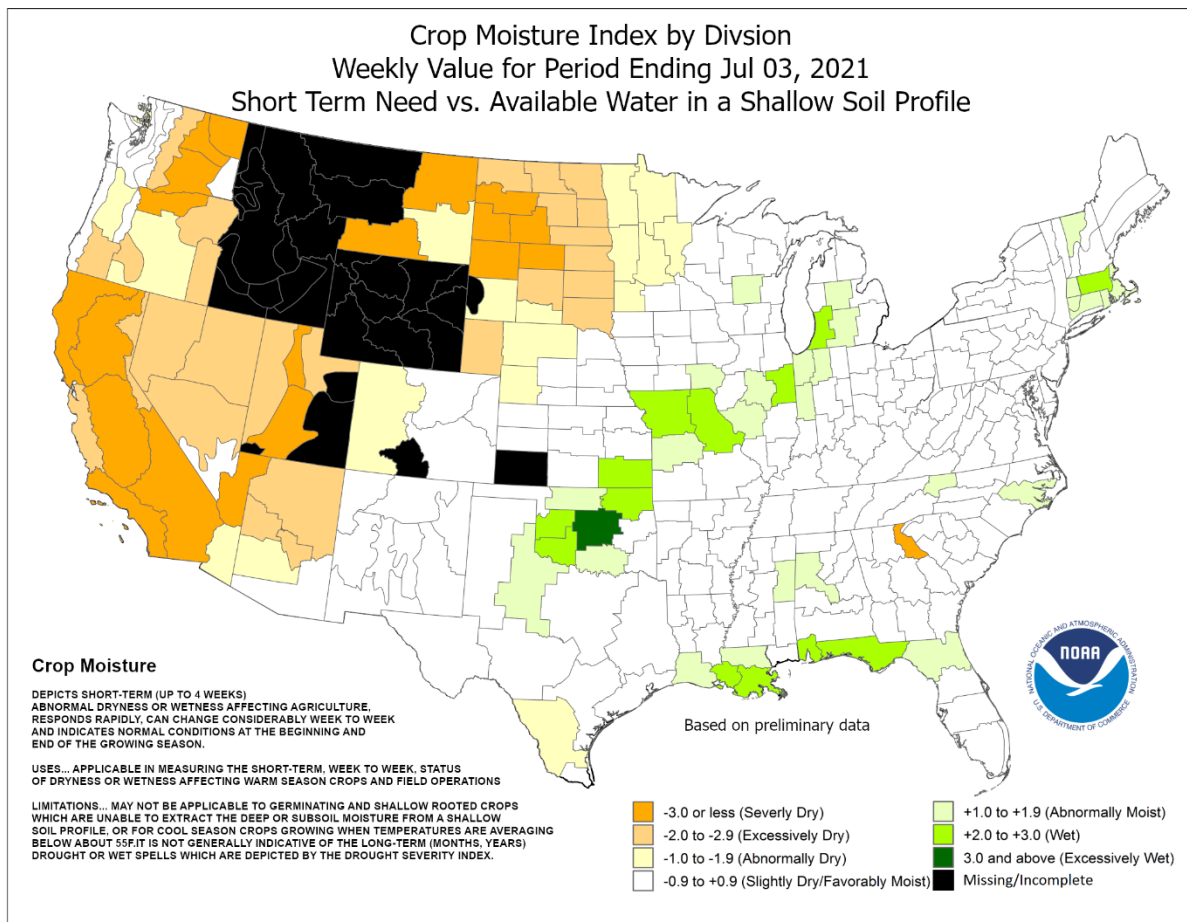
Highlights provided by USDA/WAOB

Stunningly hot weather in the **Northwest** boosted weekly temperatures 10 to 20°F above normal and set many individual station records for any time of year. On June 28, all-time temperature records were broken by 6 to 9°F in **Oregon** locations such as **Salem** (117°F) and **Portland** (116°F), as well as **Washington** communities such as **Vancouver** (115°F) and **Olympia** (110°F). Farther inland, **Northwestern** heat generally peaked on June 29, when all-time-record highs soared to 117°F in **Pendleton, OR**, and **Omak, WA**. Heat extended eastward across the

(Continued on page 5)

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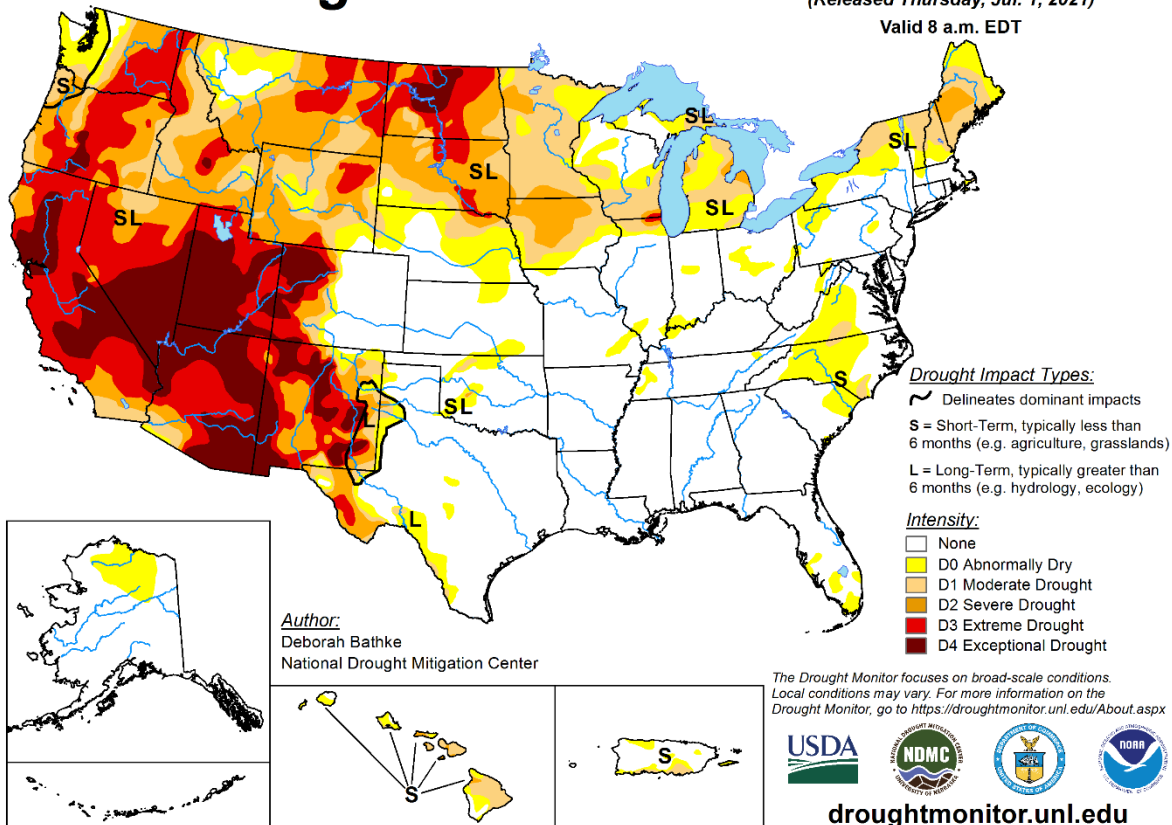


U.S. Drought Monitor

June 29, 2021

(Released Thursday, Jul. 1, 2021)

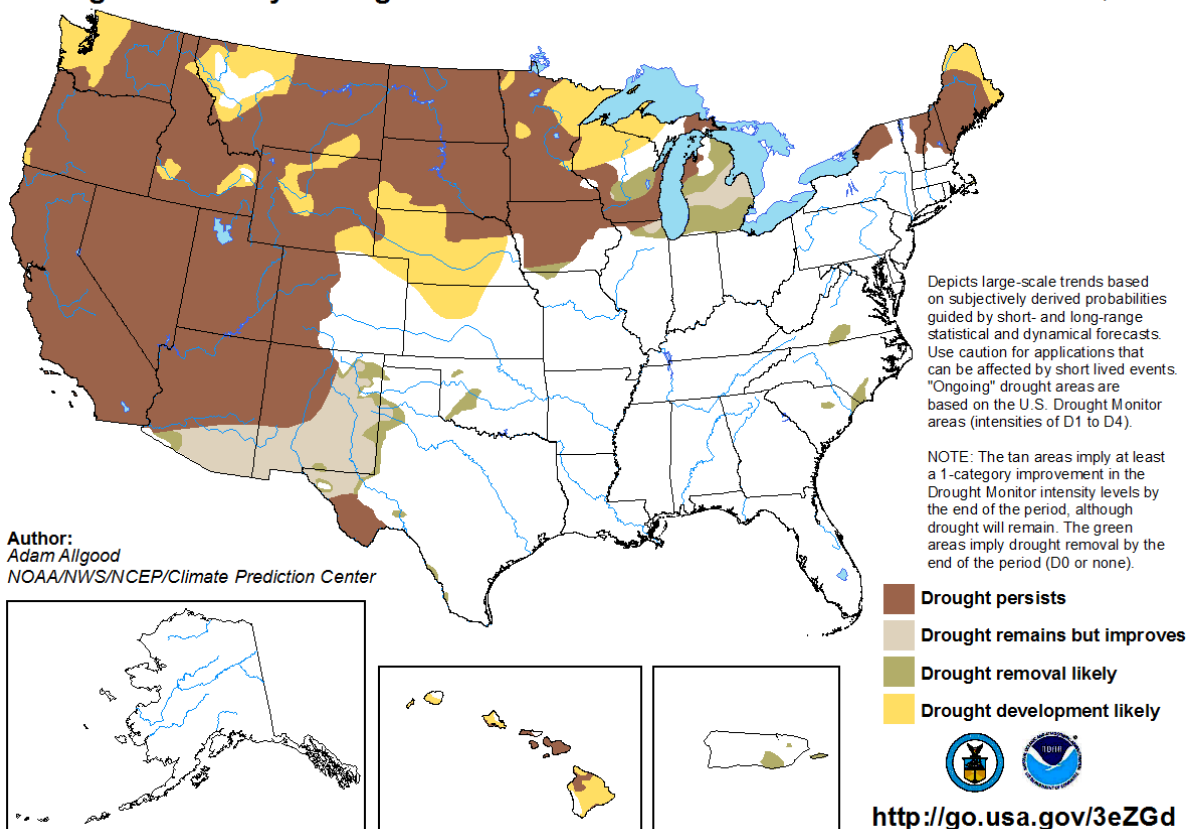
Valid 8 a.m. EDT

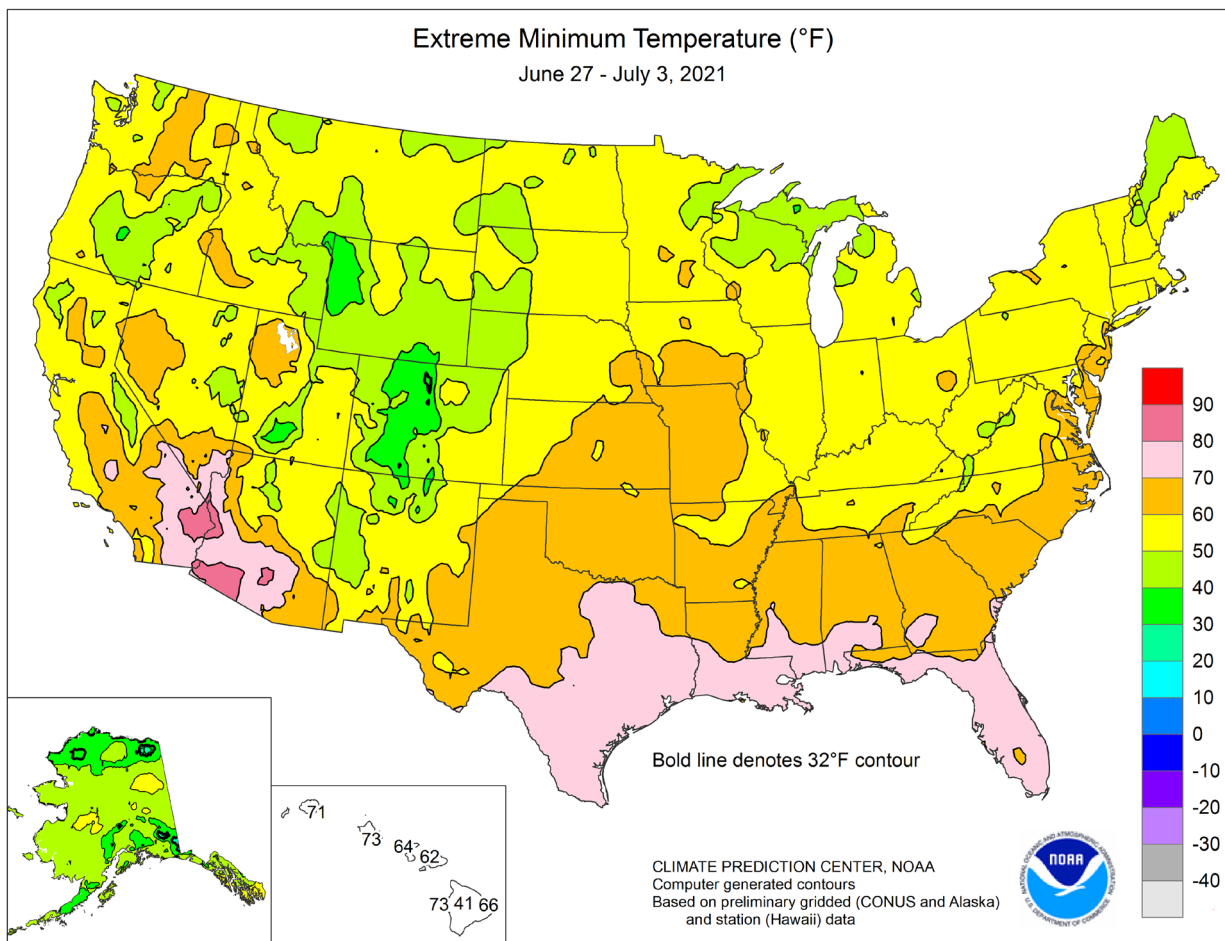
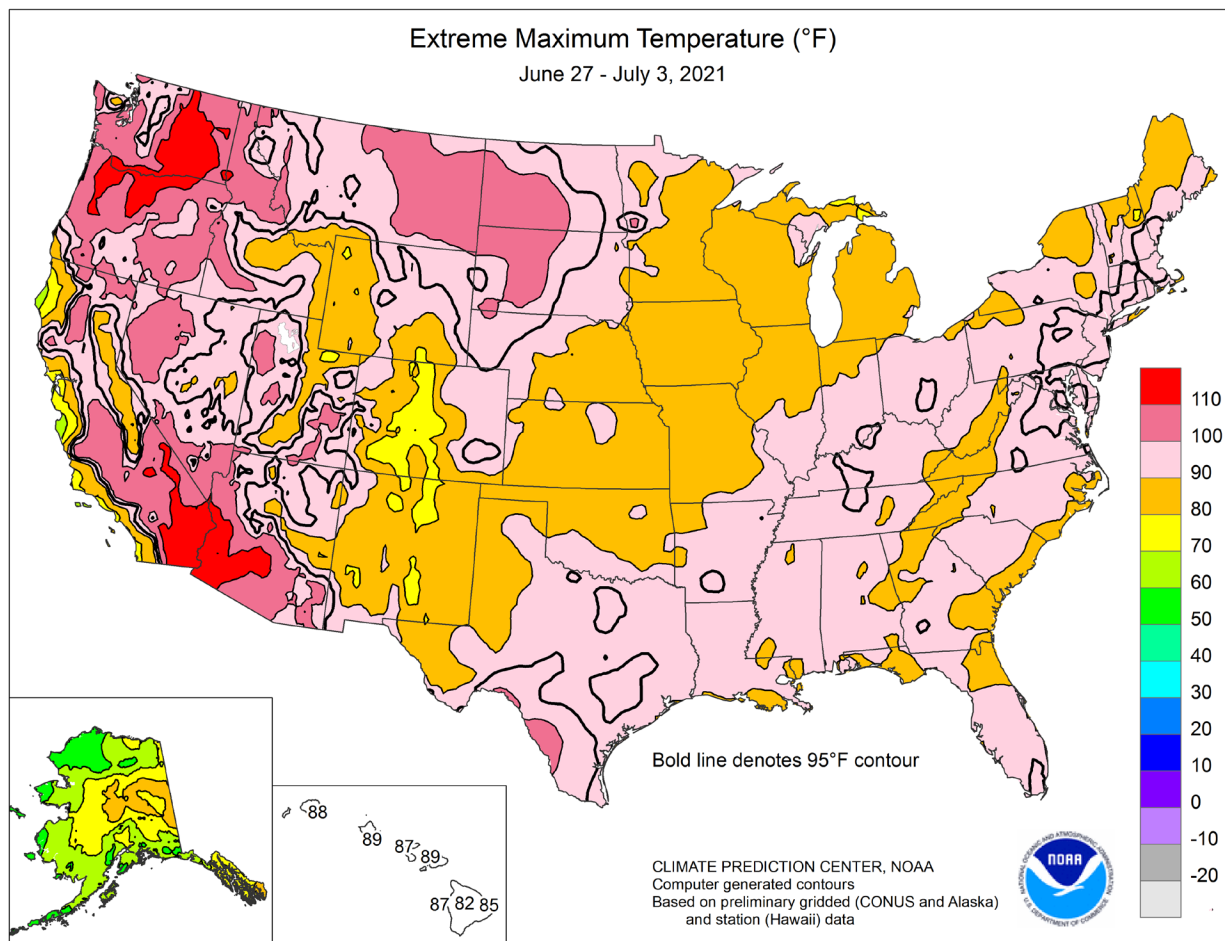


U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for July 2021
 Released June 30, 2021



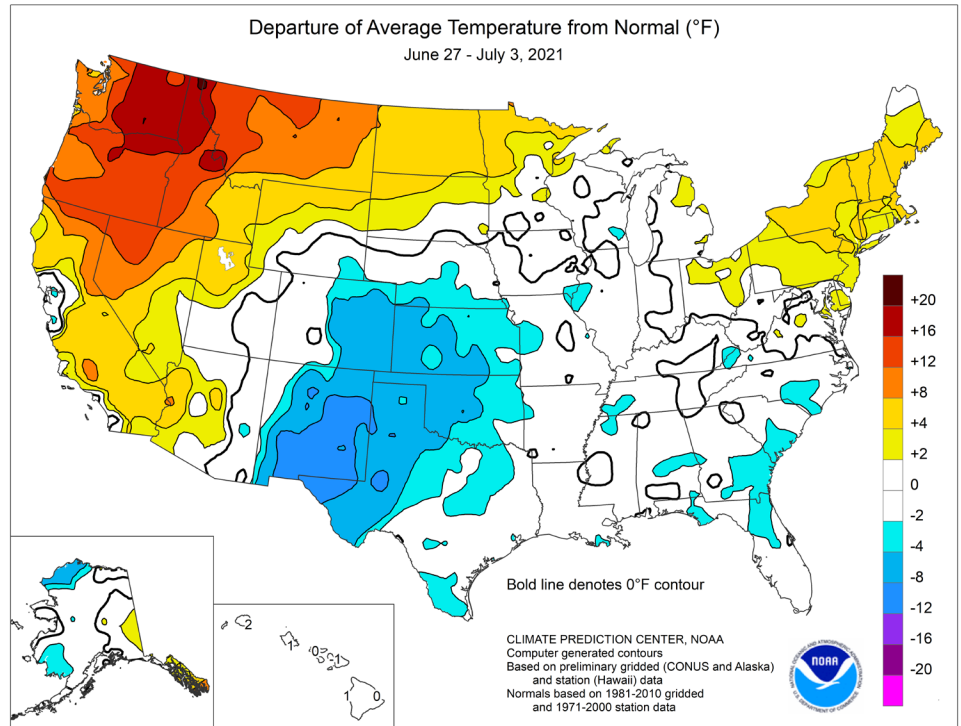


(Continued from front cover)

northern High Plains, where weekly readings averaged as much as 5 to 10°F above normal. A separate area of unusually hot weather affected the **Northeast**, where temperatures—despite a late-week trend toward cooler, wetter weather—averaged at least 5°F above normal in many locations. Conversely, relatively cool weather for this time of year prevailed across **central and southern sections of the Rockies and Plains**. Temperatures averaged as much as 10°F below normal in **New Mexico** and **western Texas**. Elsewhere, near- to slightly below-normal temperatures covered the **Southeast**, while hot weather dominated **California** and the **Great Basin**. The **Western** and **Northern** heat was accompanied by mostly dry weather, leading to worsening impacts on rangeland, pastures, immature winter wheat, and many spring-sown crops. Inadequate irrigation supplies remained a concern in parts of the **West**. Meanwhile, scattered to widespread showers and thunderstorms affected the **southeastern half of the country**. Abundant showers in the **South** and **East** favored summer crop development and caused only minor fieldwork delays. However, an axis of heavy rain (locally 4 to 8 inches or more) stretched from the **southern Plains into the lower Midwest**, limiting fieldwork but maintaining abundant to locally excessive moisture reserves for summer crops.

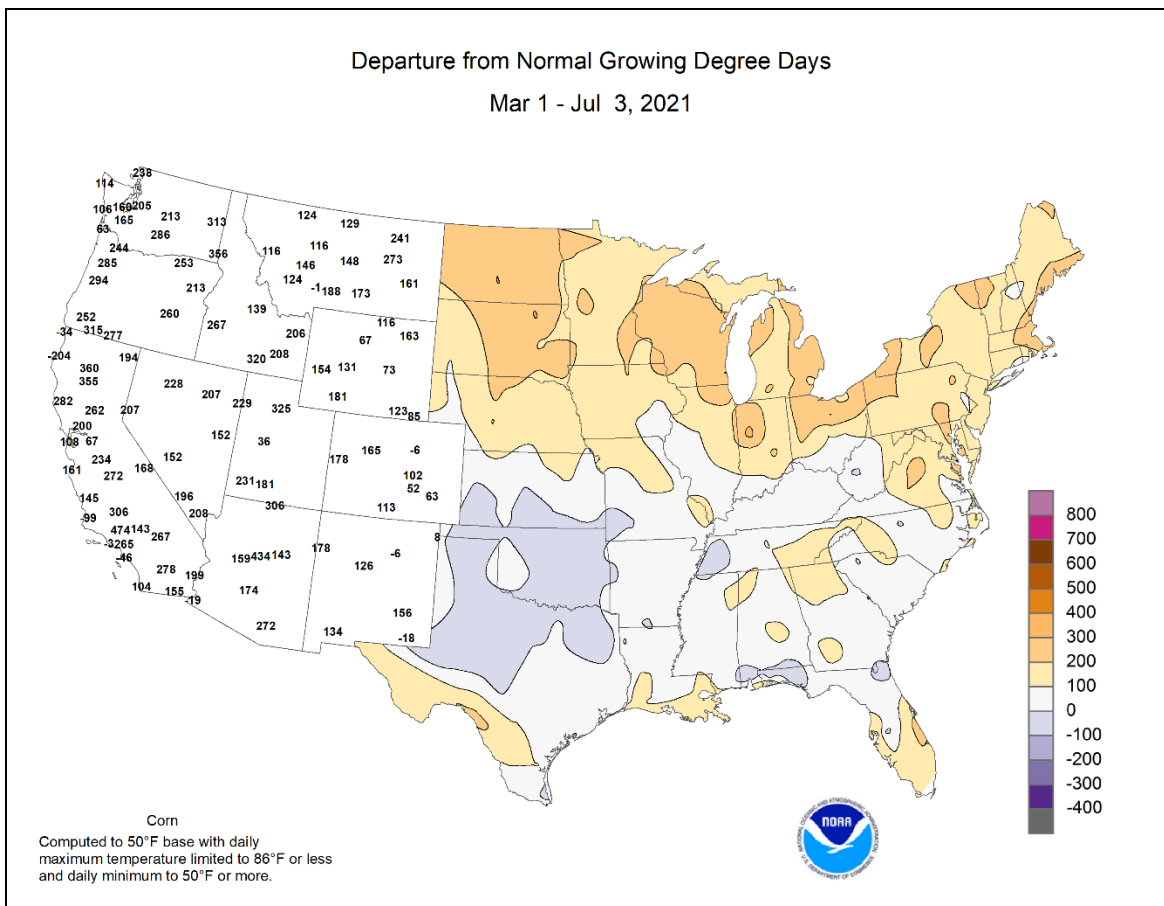
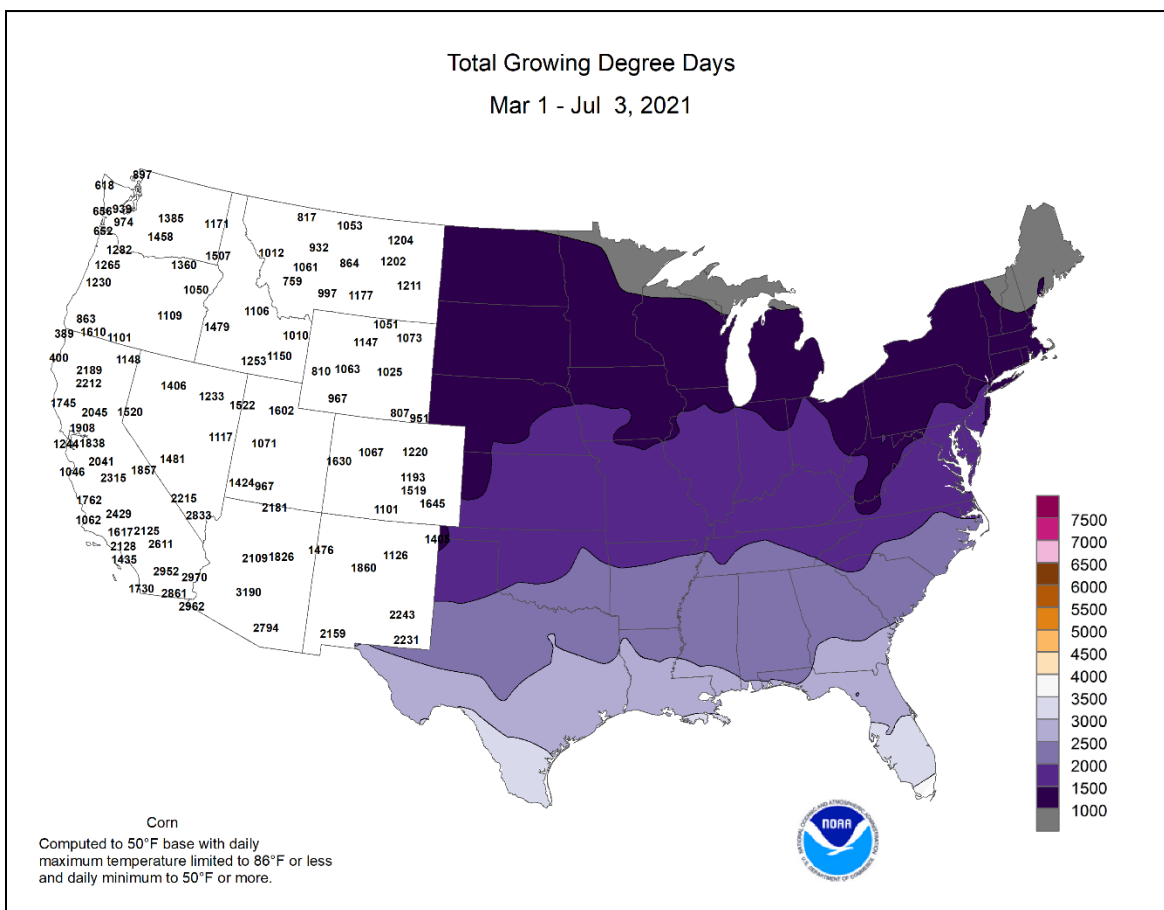
Showers and thunderstorms peppered the **south-central U.S.** for much of the week. **Midland, TX**, received weekly rainfall totaling exactly 6 inches, aided by daily-record amounts (2.67 and 1.29 inches, respectively) on June 27-28. Elsewhere in **Texas**, daily-record totals included 2.17 inches (on June 28) at **Houston's Hobby Airport** and 1.47 inches (on June 27) in **El Paso**. In fact, **El Paso** received measurable rain each day during the week, totaling 4.08 inches. For the year to date though June 26, **El Paso's** precipitation had totaled just 1.02 inches (46 percent of normal). Meanwhile in **New Mexico**, more than an inch of rain fell in **Ruidoso** each day from June 28-30, totaling 4.01 inches. Heavy showers were also common in the **Gulf Coast States**, including **Florida**, where daily-record amounts reached 3.86 inches (on June 29) in **Miami** and 2.63 inches (on July 3) in **Tampa**. Farther north, June rainfall totals topped 10 inches in **Midwestern** locations such as **Columbia, MO** (10.85 inches, or 257 percent of normal), and **Kalamazoo, MI** (10.66 inches, or 333 percent). For **Columbia**, it was the wettest June since 1928, when 14.86 inches fell. **Kalamazoo** topped a June rainfall record (8.32 inches) originally set in 1978. In contrast, it was the driest June on record in several **Northern** communities, including **Havre, MT** (0.12 inch; previously, 0.16 inch in 1985), and **Pocatello, ID** (0.01 inch; previously, 0.02 inch in 1974). During the mid- to late-week period, heavy showers swept across the **mid-South** and **Midwest**, eventually reaching the **East**. The last day of June featured a daily-record sum of 2.67 inches in **Quincy, IL**. The following day, rainfall records for July 1 were established in **Kentucky** locations such as **Louisville** (2.92 inches) and **Lexington** (2.46 inches). With 3.04 inches, **Blacksburg, VA**, also netted a record-setting total for July 1. By July 2, **Newark, NJ** (1.53 inches, including some hail), and **Watertown, NY** (1.07 inches), collected daily-record amounts. Elsewhere, spotty, monsoon-related showers produced a daily-record total (0.26 inch) for July 3 in **Phoenix, AZ**.

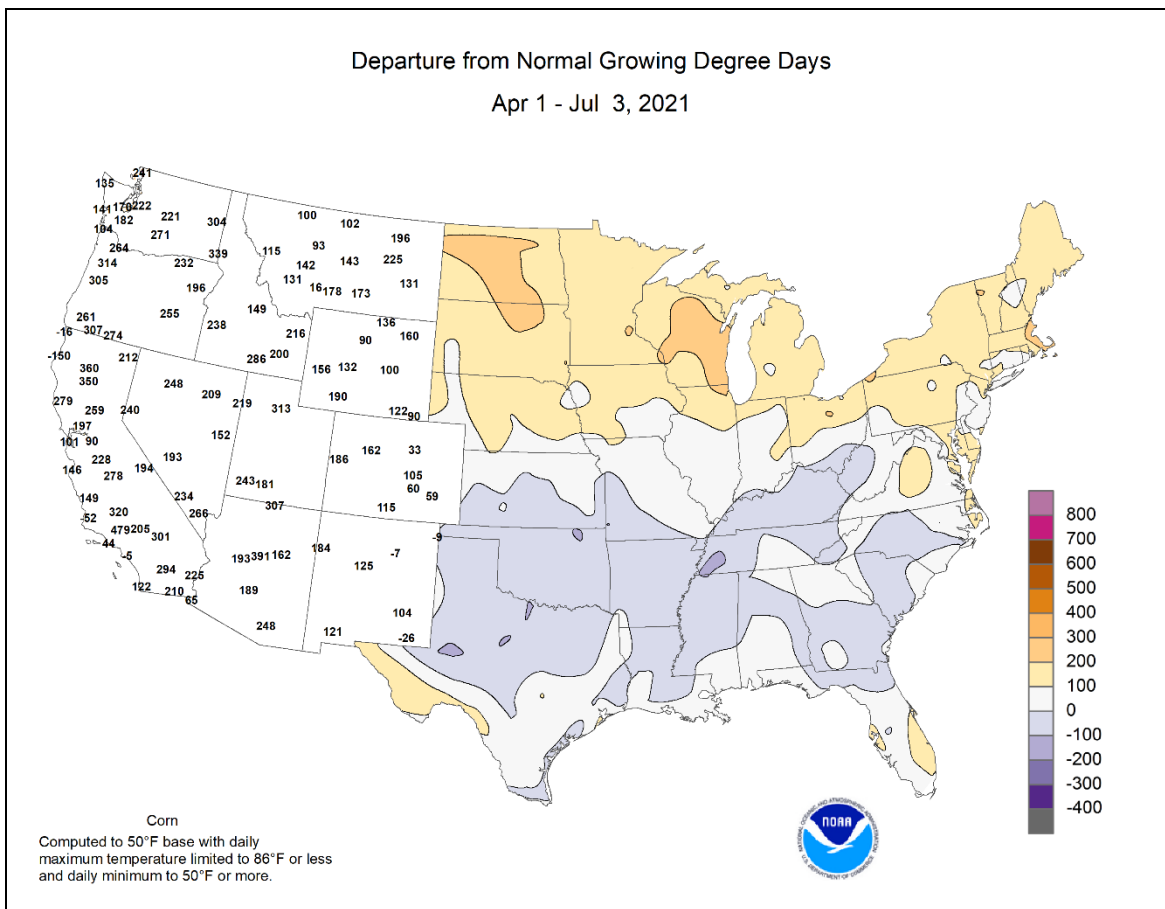
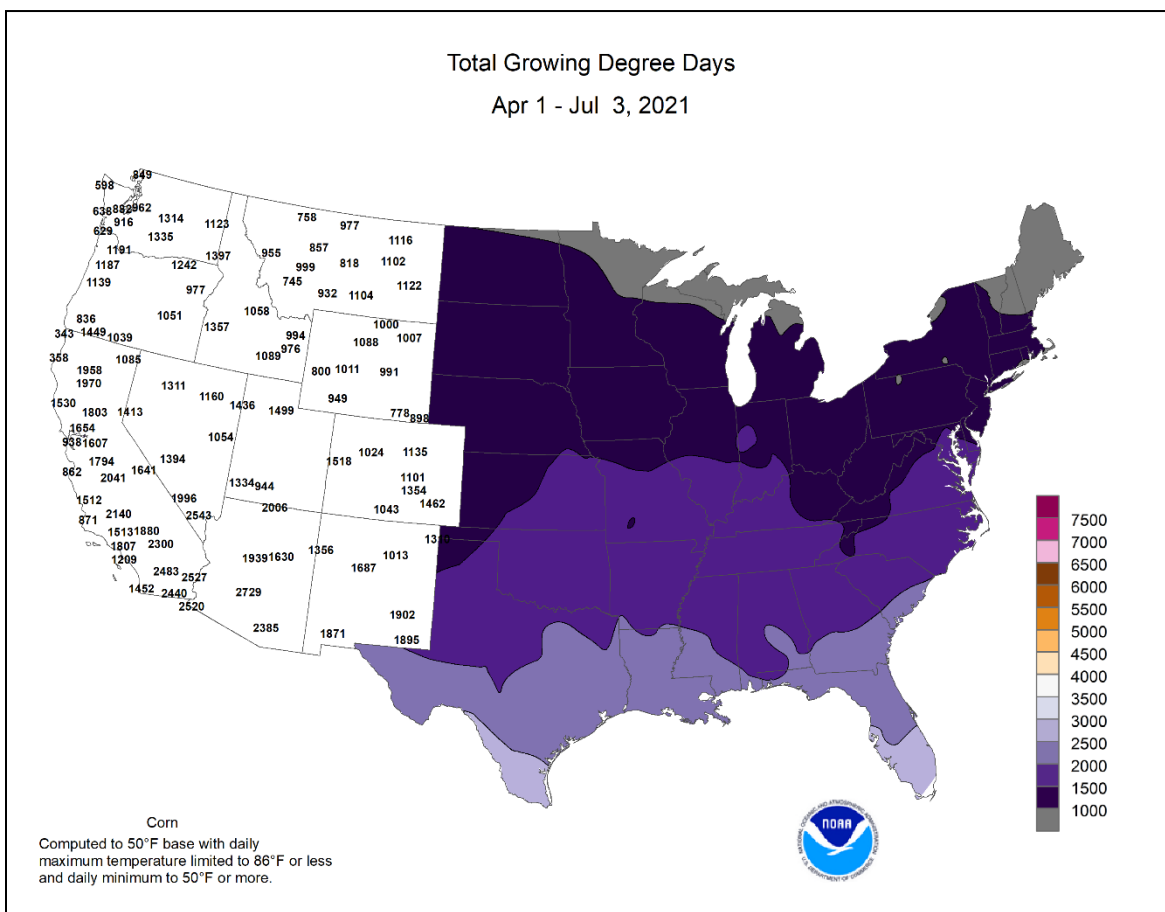
At the end of June, simultaneous heat waves gripped the **Northwest** and **Northeast**. In the latter region, **Portland, ME**, closed the month (from June 28-30) with a first-ever June occurrence of three consecutive highs of 95°F or greater. **Portland's** temperature peaked at 97°F on the 28th. **Boston, MA**, tied its monthly record with a high of 100°F on June 30; identical readings were observed on June 6, 1925, and June 26, 1952. **Newark, NJ** (103°F on the 30th), eclipsed by 1°F a June record set the



previous day—also achieved in 1943, 1952, 1993, 1994, and 2011. **New York's LaGuardia Airport** (100°F on June 30) attained a triple-digit temperature in June for only the fourth time on record—and narrowly missed its monthly standard of 101°F set on June 26, 1952, and June 13, 2017. Meanwhile in the **Northwest**, an extraordinary hot spell peaked on June 28-29. **Quillayute, WA** (110°F on June 28), demolished its all-time-record high temperature by 11°F. Based on preliminary data, a state record was tied in **Washington**, where **The Dalles Municipal Airport**—across the **Columbia River** from **The Dalles, OR**—recorded 118°F on June 28. The following day in **Oregon**, a high of 118°F in **Hermiston** missed the state record, which has stood since 1898, by 1°F. On the 28th or 29th, all-time temperature records were smashed by 5 to 9°F in several locations, including **Olympia, Vancouver, and Wenatchee, WA**, as well as **Oregon** communities such as **Hermiston, Hillsboro, Portland, Roseburg, Salem, and Troutdale**. Heat later spread across the **northern Plains**, where **Glasgow, MT**, posted consecutive, triple-digit, daily-record highs (102 and 101°F, respectively) on July 1-2. Other triple-digit, daily-record highs included 102°F (on July 2) in **Havre, MT**, and 107°F (on July 3) in **Bismarck, ND**. For Bismarck, it was the hottest day since July 30, 2006, when the high reached 112°F. The late-month heat propelled many **Northern** locations—including **LaCrosse, WI** (76.6°F; previously 76.5°F in 1933); **Portland, OR** (70.7°F; previously, 70.3°F in 2015); **Pocatello, ID** (69.9°F; previously, 69.6°F in 1988); and **Caribou, ME** (64.9°F; previously, 64.4°F in 2020)—to their hottest June on record. In contrast, cool air settled across the **mid-South** and environs in early July. By July 3, daily-record lows dipped to 52°F in **Crossville, TN**, and 53°F in **Lexington, KY**.

Although near-normal weekly temperatures prevailed across the **Alaskan mainland**, there was a brief warm spell in early July. **Fairbanks** notched a daily-record high of 88°F on July 1. Warmth was more consistent in **southeastern Alaska**, where **Ketchikan** tallied a trio of daily-record highs (80, 82, and 79°F) from June 27-29. Meanwhile, spotty showers were heaviest across **western Alaska**. In the **Aleutians**, **Cold Bay** measured a daily-record rainfall of 1.36 inches on June 30. Meanwhile, **Fairbanks** received only a few drops of rain during the week and last reported a measurable amount on June 19. Farther south, warm, mostly dry weather continued across the **Hawaiian Islands**. On June 27, **Honolulu, Oahu**, collected a daily record-tying high of 90°F. At the state's major airport observation sites, June rainfall ranged from a trace in **Kahului, Maui**, to 2.26 inches (31 percent of normal) in **Hilo**, on the **Big Island**. Measurable rain last fell in **Kahului** on May 20.





National Weather Data for Selected Cities

Weather Data for the Week Ending July 3, 2021

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AK	ANCHORAGE	65	51	70	47	58	0	0.11	-0.17	0.07	0.43	38	4.27	96	85	51	0	0	2	0
	BARROW	40	33	51	30	36	-4	0.25	0.11	0.23	0.38	88	1.31	104	90	73	0	4	2	0
	FAIRBANKS	76	55	87	52	66	2	0.00	-0.41	0.00	1.06	68	5.02	131	72	33	0	0	0	0
	JUNEAU	71	52	83	49	61	5	0.00	-0.85	0.00	6.32	175	34.51	149	85	52	0	0	0	0
	KODIAK	60	48	67	45	54	2	0.87	-0.29	0.84	7.34	115	40.39	106	88	62	0	0	2	1
	NOME	57	51	63	49	54	3	0.44	0.16	0.23	1.70	150	6.10	113	86	66	0	0	3	0
AL	BIRMINGHAM	87	71	90	64	79	-2	1.15	0.02	0.76	8.70	177	36.50	126	90	54	2	0	4	1
	HUNTSVILLE	88	70	92	63	79	-1	0.35	-0.70	0.30	5.93	124	32.09	110	91	49	2	0	3	0
	MOBILE	88	72	89	72	80	-1	1.58	0.01	0.75	14.39	212	43.20	128	100	62	0	0	6	1
	MONTGOMERY	89	72	92	71	81	0	1.11	-0.11	0.57	7.55	164	27.09	96	92	55	5	0	5	1
AR	FORT SMITH	88	71	91	63	79	-2	0.67	-0.21	0.39	3.20	68	23.28	97	95	55	3	0	4	0
	LITTLE ROCK	90	71	93	63	80	-1	0.53	-0.25	0.53	7.65	192	26.46	102	91	46	4	0	1	1
AZ	FLAGSTAFF	79	51	83	45	65	1	0.58	0.38	0.34	0.60	116	8.46	98	75	28	0	0	2	0
	PHOENIX	107	86	113	79	97	3	0.26	0.20	0.26	0.43	578	1.26	37	41	17	7	0	1	0
	PRESCOTT	88	63	93	57	75	1	0.37	0.17	0.33	0.72	134	3.39	65	63	22	1	0	2	0
CA	TUCSON	100	78	107	74	89	1	0.38	0.20	0.27	0.55	163	1.57	43	57	20	7	0	2	0
	BAKERSFIELD	103	78	106	74	90	9	0.00	0.00	0.00	0.00	0	1.97	44	41	15	7	0	0	0
	EUREKA	62	56	65	54	59	2	0.00	-0.07	0.00	1.53	193	13.69	58	99	86	0	0	0	0
	FRESNO	102	75	106	71	89	8	0.00	-0.01	0.00	0.00	0	5.11	64	53	19	7	0	0	0
	LOS ANGELES	71	63	73	62	67	0	0.00	0.00	0.00	0.00	0	3.20	36	92	70	0	0	0	0
	REDDING	105	73	109	70	89	9	0.00	-0.04	0.00	0.00	0	9.18	44	58	15	7	0	0	0
CO	SACRAMENTO	91	59	94	57	75	1	0.00	-0.01	0.00	0.00	0	4.49	37	87	32	5	0	0	0
	SAN DIEGO	72	66	74	66	69	1	0.00	0.00	0.00	0.01	14	3.51	49	81	67	0	0	0	0
	SAN FRANCISCO	72	60	75	59	66	3	0.00	-0.01	0.00	0.00	0	5.43	41	80	54	0	0	0	0
	STOCKTON	92	61	97	59	76	1	0.00	0.00	0.00	0.00	0	5.91	65	81	31	6	0	0	0
	ALAMOSA	76	50	86	46	63	0	0.13	-0.02	0.07	0.96	166	3.70	127	94	32	0	0	2	0
	CO SPRINGS	74	55	83	53	65	-5	1.09	0.58	0.66	2.76	102	10.33	130	88	48	0	0	6	1
	DENVER INTL	82	56	93	50	69	-3	0.29	-0.11	0.12	0.94	43	10.30	132	91	37	1	0	3	0
	GRAND JUNCTION	90	63	98	57	76	0	0.02	-0.09	0.02	0.12	23	2.15	48	53	18	3	0	1	0
CT	PUEBLO	83	60	92	57	72	-3	1.23	0.86	1.23	1.60	104	8.77	142	83	35	1	0	1	1
	BRIDGEPORT	84	68	96	59	76	4	2.08	1.44	1.33	3.63	93	19.62	90	90	64	3	0	4	1
DC	HARTFORD	85	67	99	56	76	4	3.64	2.83	2.43	5.49	117	22.07	98	92	58	4	0	5	1
	WASHINGTON	89	72	95	63	80	2	1.39	0.52	1.29	6.80	164	22.69	113	86	48	4	0	3	1
DE	WILMINGTON	88	69	97	60	78	3	0.00	-0.94	0.00	1.79	41	18.31	85	94	54	4	0	0	0
FL	DAYTONA BEACH	86	74	90	72	80	-1	0.36	-0.97	0.11	5.59	87	15.82	73	93	66	1	0	4	0
	JACKSONVILLE	86	71	90	69	79	-3	1.05	-0.54	0.45	9.33	131	24.87	110	100	67	1	0	5	0
	KEY WEST	87	78	91	76	82	-2	0.46	-0.44	0.24	2.57	57	8.20	54	87	70	1	0	4	0
	MIAMI	88	76	94	73	82	-2	3.73	1.64	1.33	9.94	95	20.56	79	96	65	3	0	6	4
	ORLANDO	86	73	90	71	80	-3	1.80	0.11	0.74	7.25	87	18.58	81	98	67	2	0	5	2
	PENSACOLA	88	76	91	74	82	0	1.21	-0.48	0.80	12.90	176	41.77	133	95	68	1	0	5	1
GA	TALLAHASSEE	89	73	91	71	81	-1	0.72	-1.04	0.39	5.90	70	22.89	76	95	56	3	0	3	0
	TAMPA	89	76	95	73	83	0	6.52	4.63	3.26	15.60	209	24.60	125	90	60	3	0	6	2
	WEST PALM BEACH	89	76	93	75	83	1	1.31	-0.46	0.65	6.94	77	13.61	49	92	63	2	0	6	1
	ATHENS	90	69	94	64	79	-1	0.13	-0.91	0.07	4.01	86	22.52	95	89	50	5	0	2	0
	ATLANTA	86	71	89	67	79	-1	1.06	-0.12	0.77	7.08	158	26.86	106	89	53	0	0	3	1
	AUGUSTA	90	69	93	61	79	-1	0.17	-0.83	0.05	8.37	163	28.33	125	97	51	5	0	6	0
HI	COLUMBUS	88	71	90	68	79	-3	0.64	-0.35	0.28	4.34	104	24.81	100	93	53	1	0	5	0
	MACON	89	70	92	66	80	-1	0.67	-0.37	0.39	4.78	105	21.61	92	97	56	3	0	3	0
	SAVANNAH	86	72	88	71	79	-3	0.91	-0.39	0.82	7.07	109	21.93	97	100	66	0	0	4	1
	HILO	83	69	85	66	76	0	0.56	-1.47	0.21	2.35	28	71.38	118	89	54	0	0	6	0
	HONOLULU	88	75	89	73	81	1	0.00	-0.07	0.00	0.06	18	9.23	116	72	43	0	0	0	0
	KAHULUI	87	69	89	62	78	-1	0.00	-0.07	0.00	0.00	0	13.17	134	81	49	0	0	0	0
IA	LIHUE	87	76	88	71	81	2	0.11	-0.28	0.06	1.11	62	20.08	114	82	56	0	0	3	0
	BURLINGTON	81	66	86	59	73	-3	1.02	0.04	0.64	5.15	104	20.17	105	99	65	0	0	2	1
	CEDAR RAPIDS	82	63	85	57	72	0	0.26	-0.89	0.26	2.41	44	9.22	54	97	59	0	0	1	0
ID	DES MOINES	85	67	89	63	76	1	0.02	-1.09	0.01	2.05	37	10.06	54	90	50	0	0	2	0
	DUBUQUE	81	64	84	57	72	1	0.43	-0.52	0.43	4.24	88	12.46	70	94	55	0	0	1	0
	SIOUX CITY	86	60	89	58	73	-1	0.02	-0.78	0.02	1.29	30	10.83	76	94	43	0	0	1	0
	WATERLOO	87	63	89	54	75	1	0.01	-1.21	0.01	0.87	15	8.81	49	92	43	0	0	1	0
	BOISE	103	73	105	70	88	16	0.00	-0.10	0.00	0.75	100	6.39	91	41	12	7	0	0	0
	LEWISTON	106	75	114	63	91	21	0.00	-0.23	0.00	0.41	30	3.20	43	41	11	7	0	0	0
IL	POCATELLO	93	54	98	51	73	7	0.00	-0.14	0.00	0.01	1	4.92	70	70	18	6	0	0	0
	CHICAGO/O'HARE	81	64	86	57	73	-1	0.74	0.01	0.29	6.60	177	12.63	75	90	56	0	0	3	0
	MOLINE	83	66	87	58	75	0	0.92	-0.15	0.52	3.90	78	19.86	105	93	59	0	0	2	1
IN	PEORIA	84	68	87	59	76	1	1.06	0.24	0.69	5.18	134	23.41	129	92	57	0	0	3	1
	ROCKFORD	84	65	89	57	75	1	0.05	-0.86	0.03	1.24	24	9.35	53	85	47	0	0	2	0
	SPRINGFIELD	84	66	90	58	75	0	1.30	0.36	0.71	5.41	111	23.48	124	98	60	1	0	5	1
	EVANSVILLE	88	68	93	58	78	0	0.67	-0.15	0.51	2.84	68	20.87	85	89	48	4	0	3	1
	FORT WAYNE	84	65	91	54	74	1	0.24	-0.61	0.16	5.87	129	19.19	99	93	57	1	0	2	0
	INDIANAP																			

Weather Data for the Week Ending July 3, 2021

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	01 INCH OR MORE	50 INCH OR MORE
KY	WICHITA	82	68	85	61	75	-5	3.05	2.08	2.16	6.50	116	19.00	108	93	63	0	0	5	2
	LEXINGTON	83	64	92	53	74	-2	3.22	2.28	2.43	9.09	186	30.50	126	94	55	2	0	2	2
	LOUISVILLE	88	71	97	62	80	1	2.65	1.83	2.64	7.00	168	27.93	116	83	47	3	0	2	1
LA	PADUCAH	87	69	95	58	78	0	0.92	-0.06	0.90	4.44	98	27.38	106	88	49	4	0	2	1
	BATON ROUGE	88	73	92	72	81	-2	0.94	-0.69	0.81	10.94	167	46.71	165	98	65	4	0	5	1
	LAKE CHARLES	89	75	91	74	82	0	3.00	1.44	1.28	7.99	106	42.83	151	100	61	2	0	6	2
MA	NEW ORLEANS	89	77	91	76	83	0	4.41	2.71	1.59	9.96	113	51.21	155	89	60	2	0	5	3
	SHREVEPORT	91	73	94	70	82	0	1.74	0.65	1.16	4.81	82	30.33	108	88	48	5	0	2	2
	BOSTON	86	69	100	57	77	6	4.88	4.23	1.94	7.20	182	23.27	105	86	58	3	0	4	3
MD	WORCESTER	80	65	93	53	73	4	3.04	2.20	1.54	4.31	94	20.87	87	92	65	3	0	5	3
	BALTIMORE	91	70	99	59	80	4	1.52	0.70	1.33	4.17	109	20.50	98	89	46	4	0	4	1
	CARIBOU	74	58	87	43	66	2	0.43	-0.52	0.29	3.33	86	16.01	93	90	59	0	0	3	0
ME	PORTLAND	82	65	97	55	73	6	1.68	0.92	0.60	2.44	59	15.51	66	96	59	3	0	4	2
	ALPENA	79	60	87	53	70	4	0.88	0.24	0.61	2.11	72	9.84	77	94	52	0	0	2	1
	GRAND RAPIDS	82	62	84	56	72	0	0.09	-0.73	0.08	8.48	206	16.25	92	94	54	0	0	2	0
MI	HOUGHTON LAKE	79	60	86	51	69	3	0.54	-0.09	0.50	4.77	143	11.63	89	91	50	0	0	2	1
	LANSING	83	62	87	54	73	2	0.74	0.04	0.27	8.06	217	15.44	101	93	51	0	0	5	0
	MUSKEGON	80	61	82	53	70	0	0.03	-0.50	0.03	6.92	251	14.23	95	89	56	0	0	1	0
MN	TRAVERSE CITY	79	60	85	57	69	2	0.93	0.20	0.65	2.53	74	8.33	55	91	56	0	0	2	1
	DULUTH	80	57	87	50	69	5	0.15	-0.91	0.11	1.76	37	10.10	74	89	49	0	0	3	0
	INT. L. FALLS	85	54	92	50	69	5	0.25	-0.76	0.21	1.71	39	6.67	61	93	39	1	0	2	0
MO	MINNEAPOLIS	86	65	89	61	76	3	0.82	-0.14	0.70	2.06	44	11.94	83	83	38	0	0	2	1
	ROCHESTER	83	61	86	57	72	0	0.28	-0.79	0.15	1.46	28	9.93	63	93	50	0	0	2	0
	ST. CLOUD	83	57	87	52	70	1	1.61	0.71	1.25	2.64	58	11.68	91	97	43	0	0	3	1
MS	COLUMBIA	85	69	88	64	77	1	4.98	3.94	2.20	12.69	256	32.67	152	97	60	0	0	5	3
	KANSAS CITY	83	69	88	66	76	-1	2.63	1.48	1.44	7.09	123	23.59	120	91	61	0	0	3	2
	SAINT LOUIS	87	70	93	63	78	-1	2.59	1.73	1.59	5.94	127	22.95	109	86	53	2	0	4	2
MT	SPRINGFIELD	84	69	88	65	77	0	1.13	0.08	0.85	3.57	67	30.52	130	96	60	0	0	5	1
	JACKSON	91	72	94	70	82	1	2.41	1.32	2.40	6.69	144	31.16	108	85	48	5	0	2	1
	MERIDIAN	89	71	91	69	80	0	0.53	-0.62	0.47	8.70	176	39.33	129	92	54	4	0	3	0
NC	TUPELO	90	72	93	65	81	0	2.20	1.19	1.63	14.83	299	43.73	147	91	51	4	0	5	1
	BILLINGS	94	63	100	58	79	10	0.01	-0.38	0.01	0.31	13	4.71	57	49	14	5	0	1	0
	BUTTE	90	49	92	46	69	10	0.07	-0.29	0.06	0.43	18	3.35	45	69	16	5	0	2	0
ND	CUT BANK	92	53	96	49	73	12	0.00	-0.42	0.00	0.67	24	2.92	45	78	19	5	0	0	0
	GLASGOW	96	64	102	56	80	12	0.00	-0.45	0.00	0.33	13	2.30	35	60	18	5	0	0	0
	GREAT FALLS	94	55	99	51	75	11	0.00	-0.43	0.00	0.46	17	7.19	84	69	17	6	0	0	0
NE	HAVRE	97	60	102	51	78	13	0.00	-0.50	0.00	0.12	5	4.18	66	66	16	7	0	0	0
	MISSOULA	98	58	102	54	78	14	0.20	-0.13	0.20	0.90	41	5.83	72	73	17	7	0	1	0
	ASHEVILLE	82	64	86	56	73	0	0.85	-0.23	0.34	6.44	126	28.30	121	97	55	0	0	4	0
NH	CHARLOTTE	88	70	92	62	79	1	0.27	-0.48	0.27	3.95	97	20.62	98	90	47	3	0	1	0
	GREENSBORO	86	67	92	56	77	-1	1.43	0.60	0.98	5.25	129	23.61	114	93	47	1	0	2	1
	HATTERAS	87	75	92	68	81	3	1.02	-0.02	0.68	7.23	161	29.22	113	90	64	2	0	2	1
NJ	RALEIGH	88	68	92	59	78	-1	1.24	0.38	1.06	8.82	227	23.90	114	100	54	4	0	2	1
	WILMINGTON	88	72	91	66	80	-1	1.34	-0.06	1.27	13.35	229	27.86	112	95	59	2	0	3	1
	BISMARCK	92	61	107	53	77	8	0.05	-0.64	0.04	1.65	47	4.07	45	85	27	4	0	2	0
NM	DICKINSON	89	56	103	50	73	6	0.16	-0.52	0.14	1.84	53	6.20	71	84	28	4	0	2	0
	FARGO	87	62	92	57	74	5	0.22	-0.63	0.19	3.50	82	6.20	56	82	37	3	0	2	0
	GRAND FORKS	88	59	94	52	74	6	0.08	-0.74	0.04	2.50	65	6.36	66	88	31	4	0	3	0
NE	JAMESTOWN	87	59	97	55	73	5	0.21	-0.59	0.12	2.48	70	5.03	54	89	35	3	0	2	0
	GRAND ISLAND	86	62	90	58	74	-1	1.18	0.31	1.18	1.83	39	15.22	103	88	41	1	0	1	1
	LINCOLN	87	63	90	61	75	-1	0.00	-0.89	0.00	4.44	94	15.50	102	90	44	1	0	0	0
OH	NORFOLK	85	59	88	57	72	-2	0.00	-0.90	0.00	3.39	73	13.75	95	90	41	0	0	0	0
	NORTH PLATTE	85	57	90	53	71	-1	1.06	0.39	0.55	1.58	42	13.06	116	90	42	1	0	2	2
	OMAHA	87	66	90	63	77	1	1.59	0.75	1.07	3.76	82	15.06	94	95	45	1	0	2	2
NY	SCOTTSBLUFF	86	57	99	48	71	0	0.08	-0.39	0.05	0.83	27	5.83	62	87	31	2	0	2	0
	VALENTINE	88	59	97	53	74	2	0.06	-0.70	0.06	1.97	51	11.15	100	85	33	2	0	1	0
	CONCORD	83	65	97	54	74	6	2.95	2.19	1.49	4.13	102	15.54	79	93	57	4	0	4	3
NV	ATLANTIC_CITY	86	69	94	60	78	3	2.93	2.19	1.48	6.59	191	25.30	122	98	58	4	0	3	2
	NEWARK	91	72	103	61	82	5	2.24	1.38	0.98	5.86	133	22.82	98	85	46	4	0	4	3
	ALBUQUERQUE	79	63	90	58	71	-7	0.80	0.56	0.28	0.93	117	2.48	73	80	41	1	0	5	0
OH	ELY	87	48	90	46	68	3	0.06	-0.04	0.06	0.17	23	3.30	62	68	16	2	0	1	0
	LAS VEGAS	104	83	108	74	93	3	0.01	-0.02	0.01	0.02	22	0.73	33	33	12	7	0	1	0
	RENO	97	67	101	65	82	10	0.00	-0.07	0.00	0.14	26	1.73	39	46	13	7	0	0	0
NY	WINNEMUCCA	100	68	103	59	84	15	0.10	0.03	0.05	0.29	47	4.44	88	41	11	7	0	2	0
	ALBANY	81	64	92	55	73	2	1.15	0.30	0.31	3.37	81	15.75	83</						

Weather Data for the Week Ending July 3, 2021

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK	TOLEDO	86	67	93	57	76	3	0.53	-0.20	0.53	5.02	130	16.97	99	86	51	2	0	1	1
	YOUNGSTOWN	83	64	93	54	74	4	3.38	2.44	2.78	6.01	140	17.66	92	94	54	3	0	4	1
	OKLAHOMA CITY	84	69	88	67	77	-5	5.42	4.57	2.03	8.77	166	19.42	102	95	59	0	0	6	4
	TULSA	87	70	92	64	78	-3	6.06	5.17	2.49	9.61	188	24.82	115	96	58	1	0	5	3
OR	ASTORIA	73	60	101	58	66	8	0.02	-0.35	0.02	1.92	71	37.54	104	93	67	1	0	1	0
	BURNS	99	56	103	53	77	14	0.00	-0.11	0.00	0.11	13	5.20	82	56	13	7	0	0	0
	EUGENE	89	60	111	54	74	11	0.00	-0.17	0.00	1.59	100	14.39	57	85	38	3	0	0	0
	MEDFORD	103	69	114	65	86	15	0.00	-0.09	0.00	0.87	128	6.33	66	59	19	7	0	0	0
PA	PENDLETON	104	68	115	57	86	17	0.03	-0.08	0.03	0.30	28	4.21	56	55	11	7	0	1	0
	PORTLAND	93	67	116	62	80	13	0.00	-0.24	0.00	1.22	68	14.58	76	80	34	3	0	0	0
	SALEM	94	64	116	58	79	14	0.00	-0.19	0.00	1.70	104	19.01	89	75	32	4	0	0	0
	ALLENTOWN	87	68	96	59	78	5	0.85	-0.20	0.42	3.38	70	17.45	81	90	53	4	0	3	0
RI	ERIE	82	69	92	59	75	5	1.59	0.76	0.94	4.32	106	16.11	84	85	56	2	0	3	1
	MIDDLETOWN	89	71	98	61	80	5	1.58	0.67	0.75	3.27	81	17.22	88	80	47	4	0	4	1
	PHILADELPHIA	88	71	97	63	79	3	2.39	1.57	1.70	4.99	131	21.34	104	93	52	4	0	4	2
	PITTSBURGH	83	65	92	57	74	2	1.53	0.57	1.28	4.46	94	17.49	88	92	52	2	0	2	1
SC	WILKES-BARRE	85	67	97	58	76	6	1.45	0.62	0.83	3.51	80	16.94	93	93	54	4	0	5	1
	WILLIAMSPORT	87	66	96	60	76	5	1.06	0.15	0.50	3.69	85	16.67	87	90	49	4	0	5	1
	PROVIDENCE	84	68	97	55	76	5	1.97	1.35	0.97	4.67	119	21.54	90	90	64	3	0	3	2
	CHARLESTON	87	72	88	67	79	-2	0.24	-1.26	0.24	7.11	113	23.18	103	96	61	0	0	1	0
SD	COLUMBIA	89	71	92	64	80	-1	0.96	-0.12	0.50	4.65	90	23.06	106	95	49	5	0	2	1
	FLORENCE	89	71	93	64	80	-1	0.69	-0.36	0.42	6.20	122	22.87	112	91	49	4	0	4	0
	GREENVILLE	87	69	92	67	78	-1	0.79	-0.17	0.28	4.22	103	24.59	105	89	52	2	0	4	0
	ABERDEEN	89	59	97	53	74	5	0.16	-0.62	0.16	0.75	18	6.16	55	87	33	4	0	1	0
TN	HURON	89	59	94	54	74	2	0.13	-0.54	0.10	1.13	26	5.65	46	93	32	4	0	2	0
	RAPID CITY	87	57	96	50	72	3	0.20	-0.19	0.20	2.55	95	6.91	73	79	27	3	0	1	0
	SIOUX FALLS	89	62	92	59	76	4	0.05	-0.74	0.04	0.76	18	8.55	63	88	34	3	0	2	0
	BRISTOL	88	63	91	54	75	1	1.93	0.95	0.94	5.25	121	24.02	111	93	43	3	0	4	2
TX	CHATTANOOGA	89	72	92	64	80	1	0.29	-0.80	0.28	5.57	122	30.31	110	90	46	4	0	2	0
	KNOXVILLE	88	67	93	60	78	0	0.76	-0.33	0.63	3.37	78	24.06	93	97	46	4	0	3	1
	MEMPHIS	89	72	94	66	81	-1	1.12	0.26	0.56	5.26	131	31.71	112	88	46	3	0	3	2
	NASHVILLE	91	69	96	61	80	1	0.44	-0.44	0.35	2.51	55	28.83	111	86	44	4	0	2	0
UT	ABILENE	89	71	94	67	80	-2	2.31	1.78	1.46	3.15	83	15.42	121	91	51	2	0	3	1
	AMARILLO	80	64	90	62	72	-6	2.02	1.38	1.06	2.80	82	11.30	115	98	55	1	0	4	2
	AUSTIN	92	75	97	74	83	0	0.94	0.33	0.78	3.58	78	18.46	102	89	50	5	0	4	1
	BEAUMONT	88	74	92	74	81	-1	3.39	1.72	1.50	11.58	148	36.03	126	100	69	3	0	5	3
VA	BROWNSVILLE	92	76	95	75	84	0	0.72	0.13	0.29	2.02	72	8.76	82	88	54	6	0	4	0
	CORPUS CHRISTI	91	74	94	73	83	-1	1.84	1.00	0.95	4.93	132	20.29	145	99	60	5	0	5	2
	DEL RIO	97	78	102	76	87	2	0.18	-0.23	0.18	1.98	78	7.93	84	80	39	7	0	1	0
	EL PASO	82	66	93	62	74	-9	4.08	3.78	1.46	4.09	386	5.23	172	88	51	1	0	7	4
WV	FORT WORTH	91	75	96	74	83	-1	0.95	0.28	0.63	2.34	56	19.98	98	91	49	4	0	4	1
	GALVESTON	88	79	92	77	84	0	1.22	0.00	0.57	7.54	0	19.05	0	81	64	1	0	4	1
	HOUSTON	88	75	96	74	82	-2	2.44	1.20	1.50	9.38	146	28.56	115	94	65	3	0	4	2
	LUBBOCK	81	67	88	65	74	-5	0.72	0.13	0.60	2.46	75	11.92	125	90	56	0	0	4	1
WI	MIDLAND	83	66	88	62	74	-8	5.96	5.55	2.64	6.43	325	11.83	188	98	58	0	0	5	3
	SAN ANGELO	91	71	95	69	81	-1	3.66	3.28	2.57	5.49	200	10.70	99	94	44	6	0	4	2
	SAN ANTONIO	91	74	95	73	83	-1	0.76	-0.08	0.57	2.61	57	17.25	104	92	53	5	0	4	1
	VICTORIA	90	75	95	74	83	-1	0.42	-0.58	0.25	6.67	135	33.61	165	94	59	4	0	4	0
WY	WACO	89	74	94	72	82	-2	2.92	2.42	1.14	3.96	109	17.17	92	92	58	5	0	5	3
	WICHITA FALLS	88	71	95	69	80	-3	3.09	2.57	1.54	3.91	90	15.76	99	100	58	3	0	5	3
	SALT LAKE CITY	94	72	100	69	83	8	0.00	-0.11	0.00	0.10	9	6.48	69	43	16	7	0	0	0
	LYNCHBURG	90	65	95	56	77	3	0.99	0.20	0.55	6.03	152	21.60	105	92	43	5	0	3	1
WY	NORFOLK	90	73	97	68	82	3	1.30	0.29	1.30	5.56	117	22.35	103	87	52	4	0	1	1
	RICHMOND	90	69	96	61	79	1	1.97	1.06	1.24	5.99	138	22.05	104	97	48	5	0	2	2
	ROANOKE	88	66	93	59	77	1	1.73	0.89	1.01	5.06	121	20.22	97	88	45	3	0	3	2
	WASH/DULLES	89	69	97	60	79	3	1.12	0.26	0.74	4.42	101	17.84	84	93	47	4	0	3	1
WY	BURLINGTON	82	69	94	58	75	6	0.64	-0.24	0.30	2.56	63	12.13	74	89	56	3	0	4	0
	OLYMPIA	86	59	110	52	73	11	0.00	-0.25	0.00	3.24	174	28.08	107	94	46	2	0	0	0
	QUILLAYUTE	76	59	109	55	67	10	0.00	-0.60	0.00	2.59	69	42.86	81	98	62	2	0	0	0
	SEATTLE-TACOMA	86	64	108	58	75	12	0.00	-0.24	0.00	1.90	113	19.70	103	86	43	2	0	0	0
WY	SPOKANE	100	73	109	64	86	21	0.00	-0.20	0.00	0.43	32	4.65	51	48	16	7	0	0	0
	YAKIMA	105	69	113	64	87	20	0.00	-0.10	0.00	0.18	27	2.71	61	55	15	7	0	0	0
	EAU CLAIRE	83	60	86	49	72	1	1.04	0.12	0.70	5.34	117	11.77	82	93	47	0	0	3	1
	GREEN BAY	80	59	91	51	69	1	0.55	-0.30	0.30	4.71	111	11.15	80	91	54	1	0	2	0
WY	LA CROSSE	87	65	90	62	76	3	0.69	-0.33	0.54	5.30	111	14.49	91	92	45	1	0	3	1
	MADISON	80	62	85	53	71	0	0.44	-0.57	0.43	4.57	92	11.55	69	94	54	0	0	2	0
	MILWAUKEE	79	64	90	56	71	1	0.58	-0.33	0.55	1.51	35	8.84	52	86	58	1	0	3	1
	BECKLEY	80	62	87	51	71	1	0.80	-0.22	0.69	5.24	117	22.60	104	97	58	0	0	4	1
WY	CHARLESTON	84	64	94	55	74														

Northwestern U.S. Heat Smashes Records, Sears Crops

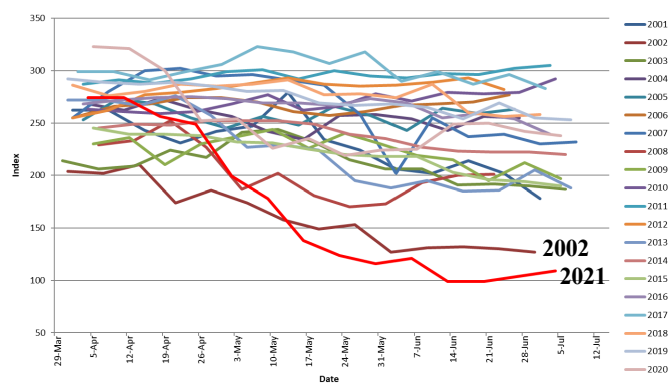
The worst northwestern U.S. heat wave in recorded history shattered temperature records and devastated already drought-stressed rangeland, pastures, winter wheat, and spring-sown crops. The Northwestern heat, which peaked from June 26-29, was historic for any time of year but even more remarkable in early summer; the only comparable modern heat wave so early in the season occurred in late-June 2015.

Based on preliminary data, a state record was tied in Washington, where The Dalles Municipal Airport—across the Columbia River from The Dalles, OR—recorded 118°F on June 28. The following day in Oregon, a high of 118°F in Hermiston missed the state record, which has stood since 1898, by 1°F. All-time temperature records were smashed by 5 to 10°F or more in several locations, including Olympia, Quillayute, Vancouver, and Wenatchee, WA, as well as Oregon communities such as Hermiston, Hillsboro, Portland, Roseburg, Salem, and Troutdale.

Full heat- and drought-related impacts on agriculture will not be known until harvest, but statewide crop conditions in Washington, as reported by USDA/NASS, are the lowest of the 21st century for a variety of commodities, including barley, spring wheat, and winter wheat. In Oregon, 68 percent of the winter wheat was rated in very poor to poor condition on July 4, highest among the 18 major production states. The other comparably bad year for Oregon winter wheat was 2002 (figure 1), when 58 percent of the wheat was rated very poor to poor in the final report of the season on June 30. In addition, Northwestern rangeland and pastures are in abysmal shape (figure 2), with the July 4 *Crop Progress* report indicating 84 percent rated very poor to poor in Washington, along with 71 percent in Oregon.

Figure 1

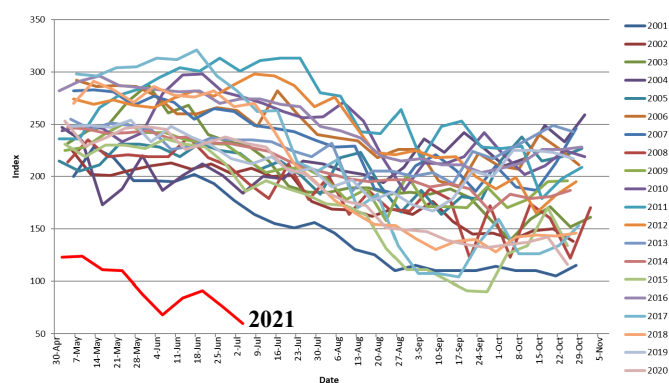
OR WINTER WHEAT Condition Index



Based on NASS crop progress data. Condition Index = 4*Excellent + 3*Good + 2*Fair + 1*Poor

Figure 2

WA PASTURE AND RANGE Condition Index



Based on NASS crop progress data. Condition Index = 4*Excellent + 3*Good + 2*Fair + 1*Poor

Highest Temperature (°F) on Record for Selected Locations

Location	High	Previous Record
June 26		
Troutdale, OR	109	108 on Aug. 17, 1977
Portland, OR	108	107 on Jul. 30, 1965, and Aug. 8 and 10, 1981
Vancouver, WA	108	108 on Aug. 29, 2009
June 27		
The Dalles, WA	115	111 on Jul. 27, 1998
Pasco, WA	115	113 on Jul. 14, 2001
Hanford, WA	114	113 on Jul. 23, 2006
Roseburg, OR	114	109 on Jul. 20, 1946, and Aug. 15, 2020
Hermiston, OR	114	113 on Aug. 5, 1961
Salem, OR	113	108 on Jul. 23, 1927; Jul. 15, 1941; and Aug. 9, 1981
Troutdale, OR	112	109 on Jun. 26, 2021
Vancouver, WA	112	108 on Aug. 29, 2009, and Jun. 26, 2021
Portland, OR	112	108 on Jun. 26, 2021
Eugene, OR	111	108 on Aug. 9, 1981
McMinnville, OR	111	110 on Jul. 24, 1924; Jun. 24, 1925; and Jul. 9 and 10, 1926
Portland (downtown), OR	110	107 on Jul. 2, 1942
Corvallis, OR	110	109 on Jul. 8, 2005
Hillsboro, OR	109	108 on Jul. 19, 1956, and Jul. 21, 2006
Montague, CA	109	109 on Jul. 11, 2002
Redmond, OR	108	108 on Aug. 7, 1972
Hood River, OR	108	108 on Aug. 18, 1977
Sandberg, CA	107	106 on Jun. 30, 2013
Olympia, WA	105	104 on Aug. 9, 1981, and Jul. 29, 2009
Seattle, WA	104	103 on Jul. 29, 2009
Astoria, OR	101	101 on Jul. 1, 1942
June 28		
The Dalles, WA	118	115 on Jun. 27, 2021
Salem, OR	117	113 on Jun. 27, 2021
Portland, OR	116	112 on Jun. 27, 2021
Troutdale, OR	116	112 on Jun. 27, 2021
Vancouver, WA	115	112 on Jun. 27, 2021
Medford, OR	115	115 on Jul. 20, 1946
Hanford, WA	115	114 on Jun. 27, 2021
Portland (downtown), OR	114	110 on Jun. 27, 2021
Hillsboro, OR	114	109 on Jun. 27, 2021
McMinnville, OR	114	111 on Jun. 27, 2021
Hermiston, OR	114	114 on Jun. 27, 2021
Pendleton, OR	113	113 on Aug. 4, 1961
Redmond, OR	110	108 on Jun. 27, 2021
Olympia, WA	110	105 on Jun. 27, 2021
Quillayute, WA	110	99 on Aug. 9, 1981
Hood River, OR	109	108 on Aug. 18, 1977, and Jun. 27, 2021
Seattle, WA	108	104 on Jun. 27, 2021
Seattle (NWS Office), WA	107	105 on Jul. 29, 2009
Bellingham, WA	99	96 on Jul. 29, 2009
June 29		
Hermiston, OR	118	114 on Jun. 27 and 28, 2021
Pendleton, OR	117	113 on Aug. 4, 1961, and Jun. 28, 2021
Omak, WA	117	114 on Jul. 26, 1928
Ephrata, WA	116	115 on Aug. 4, 1961
Walla Walla, WA	116	114 on Aug. 4, 1961, and Jul. 10, 1975
Wenatchee, WA	114	109 on Aug. 4, 1961, and Jun. 28, 2015
Yakima, WA	113	110 on Aug. 10, 1971
Redmond, OR	112	110 on Jun. 28, 2021
Spokane, WA	109	108 on Jul. 26, 1928, and Aug. 4, 1961

National Agricultural Summary

June 28 – July 4, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Most of California, the Pacific Northwest, northern Plains, and northern Rockies remained dry. In contrast, more than twice the normal amount of rainfall was recorded along much of the Gulf Coast and in large sections of the Ohio Valley, mid-Atlantic, middle Mississippi Valley, Northeast, southern Plains, and Southwest. Some locations along the Florida Gulf Coast and southern New Mexico received weekly rainfall totaling 6 inches or more. Meanwhile, the

Pacific Northwest recorded much-above-normal temperatures. Above-normal temperatures were also recorded in California, Nevada, the Northeast, northern Plains, and northern Rockies. Parts of Idaho, Montana, Oregon, and Washington recorded temperatures 15°F or more above normal. However, much of the southern half of the nation was cooler than normal. Portions of New Mexico and western Texas noted temperatures 9°F or more below normal.

Corn: By July 4, ten percent of the nation's corn had reached the silking stage, 1 percentage point ahead of last year but 4 points behind the 5-year average. On July 4, sixty-four percent of the corn was rated in good to excellent condition, unchanged from the previous week but 7 percentage points below the same time last year. In Iowa, the largest corn-producing state, 62 percent of the crop was rated in good to excellent condition.

Soybean: By July 4, twenty-nine percent of the nation's soybeans had reached the blooming stage, equal to last year but 5 percentage points ahead of the 5-year average. Progress was most advanced in the lower Mississippi Valley, with 77 percent blooming in Louisiana, 61 percent in Arkansas, and 55 percent in Mississippi. Nationally, 3 percent of the nation's soybeans had begun setting pods, 1 percentage point ahead of last year but equal to the average. On July 4, fifty-nine percent of the nation's soybeans were rated in good to excellent condition, 1 percentage point below the previous week and 12 points below the previous year.

Winter Wheat: Forty-five percent of the 2021 winter wheat acreage had been harvested by July 4, nine percentage points behind last year and 8 points behind the 5-year average. On July 4, forty-seven percent of the winter wheat was reported in good to excellent condition, 1 percentage point below the previous week and 4 points below the same time last year. In Kansas, the largest winter wheat-producing state, 65 percent of the winter wheat was rated in good to excellent condition.

Cotton: Forty-two percent of the nation's cotton had reached the squaring stage by July 4, three percentage points behind last year and four points behind the 5-year average. By July 4, eleven percent of the cotton had begun setting bolls, 1 percentage point behind last year and 2 points behind average. On July 4, fifty-two percent of the 2021 cotton acreage was rated in good to excellent condition, unchanged from the previous week but 9 percentage points above the same time last year.

Sorghum: By July 4, twenty-two percent of the nation's sorghum had reached the headed stage, 2 percentage points behind last year and 3 points behind the 5-year average. With progress limited to Texas, coloring advanced to 14 percent,

1 percentage point ahead of last year but equal to the average. Seventy-two percent of the nation's sorghum was rated in good to excellent condition on July 4, two percentage points above the previous week and 24 points above the same time last year.

Rice: By July 4, fourteen percent of the nation's rice had reached the headed stage, 4 percentage points behind the previous year and 3 points behind the 5-year average. On July 4, seventy-three percent of the rice was rated in good to excellent condition, unchanged from both the previous week and the same time last year.

Small Grains: Eighty-eight percent of the nation's oats had headed by July 4, five percentage points ahead of both last year and the 5-year average. On July 4, thirty-four percent of the nation's oats were rated in good to excellent condition, 3 percentage points below the previous week and 28 points below the same time last year.

Fifty-nine percent of the nation's barley had reached the headed stage by July 4, two percentage points ahead of last year but equal to the 5-year average. On July 4, twenty-two percent of the barley acreage was rated in good to excellent condition, 9 percentage points below the previous week and 51 points below the same time last year.

By July 4, sixty-nine percent of the nation's spring wheat had reached the headed stage, 10 percentage points ahead of the previous year and 7 points ahead of the 5-year average. On July 4, sixteen percent of the nation's spring wheat was rated in good to excellent condition, 4 percentage points below the previous week and 54 points below the same time last year.

Other Crops: By July 4, forty-eight percent of the nation's peanut crop had reached the pegging stage, 1 percentage point behind the previous year and 3 points behind the 5-year average. In Georgia, 62 percent of the peanut crop had reached the pegging stage, 5 percentage points behind the previous year and 2 points behind average. On July 4, sixty-nine percent of the nation's peanut acreage was rated in good to excellent condition, unchanged from both the previous week and the same time last year.

Crop Progress and Condition

Week Ending July 4, 2021

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Soybeans Percent Blooming				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
AR	55	46	61	62
IL	20	8	22	23
IN	24	8	22	21
IA	34	19	39	22
KS	27	15	26	17
KY	13	6	20	13
LA	84	68	77	79
MI	7	0	12	10
MN	38	13	38	19
MS	62	47	55	65
MO	15	7	14	17
NE	39	23	46	27
NC	19	5	13	15
ND	8	2	14	17
OH	25	8	24	18
SD	35	10	19	20
TN	17	7	18	23
WI	35	11	32	19
18 Sts	29	14	29	24
These 18 States planted 96% of last year's soybean acreage.				

Soybeans Percent Setting Pods				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
AR	17	12	21	25
IL	1	NA	0	3
IN	1	NA	1	2
IA	1	1	5	2
KS	1	NA	0	1
KY	1	NA	0	1
LA	43	32	43	49
MI	0	NA	0	0
MN	0	0	2	0
MS	12	8	15	22
MO	0	NA	1	1
NE	4	NA	2	1
NC	0	NA	1	1
ND	0	NA	0	0
OH	0	NA	0	0
SD	0	NA	0	0
TN	2	NA	3	2
WI	1	0	3	1
18 Sts	2	NA	3	3
These 18 States planted 96% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	2	7	24	47	20
IL	3	7	27	46	17
IN	2	6	22	58	12
IA	2	6	33	51	8
KS	1	3	26	67	3
KY	1	2	17	71	9
LA	1	6	19	65	9
MI	1	6	31	51	11
MN	3	11	42	40	4
MS	1	1	20	68	10
MO	2	6	37	50	5
NE	2	2	16	56	24
NC	0	2	25	64	9
ND	13	25	43	18	1
OH	1	3	19	65	12
SD	7	22	47	24	0
TN	1	4	22	56	17
WI	1	4	24	55	16
18 Sts	3	8	30	49	10
Prev Wk	2	7	31	50	10
Prev Yr	1	4	24	57	14

Cotton Percent Squaring				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
AL	63	25	48	63
AZ	95	77	88	80
AR	83	21	58	88
CA	58	50	65	58
GA	65	52	67	65
KS	42	29	42	28
LA	82	59	75	82
MS	50	16	39	56
MO	22	79	87	47
NC	45	31	41	55
OK	19	11	19	28
SC	36	32	47	46
TN	49	31	46	58
TX	39	29	34	36
VA	45	25	38	54
15 Sts	45	32	42	46
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Setting Bolls				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
AL	11	2	14	15
AZ	33	28	41	29
AR	8	1	10	30
CA	9	10	15	5
GA	19	4	10	17
KS	4	0	0	1
LA	29	3	20	31
MS	4	0	4	11
MO	0	9	14	5
NC	3	0	1	6
OK	0	0	0	2
SC	4	1	7	7
TN	14	1	3	10
TX	14	10	13	13
VA	2	4	9	2
15 Sts	12	7	11	13
These 15 States planted 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	0	2	18	59	21
AZ	1	5	14	55	25
AR	0	2	19	44	35
CA	0	0	20	80	0
GA	1	3	23	63	10
KS	2	6	44	45	3
LA	0	1	4	88	7
MS	2	1	24	65	8
MO	0	8	19	73	0
NC	1	5	24	67	3
OK	0	8	27	64	1
SC	1	2	24	61	12
TN	5	9	28	51	7
TX	1	12	50	31	6
VA	0	1	7	88	4
15 Sts	1	9	38	44	8
Prev Wk	1	6	41	43	9
Prev Yr	4	19	34	36	7

Crop Progress and Condition

Week Ending July 4, 2021

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Sorghum Percent Headed				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
CO	0	0	0	0
KS	6	0	1	6
NE	7	1	2	6
OK	4	1	4	11
SD	11	5	10	5
TX	67	63	70	64
6 Sts	24	19	22	25
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Percent Coloring				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
CO	0	NA	0	0
KS	0	NA	0	0
NE	0	NA	0	0
OK	0	NA	0	0
SD	0	NA	0	0
TX	47	41	46	46
6 Sts	13	NA	14	14
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
CO	0	0	33	42	25
KS	1	3	20	69	7
NE	0	1	14	63	22
OK	0	0	14	81	5
SD	7	23	62	8	0
TX	0	3	27	44	26
6 Sts	1	3	24	58	14
Prev Wk	1	3	26	57	13
Prev Yr	2	10	40	44	4

Corn Percent Silking				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
CO	1	0	2	2
IL	9	0	14	22
IN	6	1	7	12
IA	4	0	4	7
KS	24	8	18	27
KY	25	11	31	42
MI	0	0	0	1
MN	2	0	5	2
MO	19	2	15	38
NE	4	0	2	9
NC	66	52	69	73
ND	0	0	0	4
OH	2	0	3	5
PA	0	0	0	2
SD	0	0	2	2
TN	39	24	43	59
TX	64	67	70	63
WI	2	0	0	1
18 Sts	9	4	10	14
These 18 States planted 92% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	0	1	17	51	31
IL	2	6	27	46	19
IN	2	5	20	60	13
IA	2	6	30	54	8
KS	1	4	20	64	11
KY	1	2	14	72	11
MI	1	4	26	56	13
MN	4	11	44	37	4
MO	2	8	31	53	6
NE	1	3	14	53	29
NC	0	2	13	67	18
ND	7	20	38	33	2
OH	1	3	16	65	15
PA	0	3	12	64	21
SD	5	21	50	24	0
TN	0	2	19	55	24
TX	2	5	22	46	25
WI	1	5	19	54	21
18 Sts	2	7	27	50	14
Prev Wk	2	6	28	51	13
Prev Yr	1	5	23	54	17

Peanuts Percent Pegging				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
AL	40	16	39	48
FL	58	31	53	56
GA	67	49	62	64
NC	29	25	37	33
OK	22	14	22	27
SC	52	39	54	56
TX	9	5	8	13
VA	16	9	33	22
8 Sts	49	34	48	51
These 8 States planted 96% of last year's peanut acreage.				

Rice Percent Headed				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
AR	1	0	2	4
CA	19	10	15	12
LA	57	25	40	54
MS	16	7	13	22
MO	2	0	1	5
TX	72	32	56	56
6 Sts	18	8	14	17
These 6 States planted 100% of last year's rice acreage.				

Rice Condition by Percent					
	VP	P	F	G	EX
AR	2	5	25	44	24
CA	0	0	10	80	10
LA	0	1	30	64	5
MS	0	0	9	83	8
MO	0	3	27	52	18
TX	0	5	30	56	9
6 Sts	1	3	23	57	16
Prev Wk	1	3	23	59	14
Prev Yr	1	3	23	55	18

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	2	21	66	11
FL	2	4	42	51	1
GA	0	2	24	64	10
NC	0	1	15	73	11
OK	0	0	25	75	0
SC	1	3	18	71	7
TX	0	1	58	39	2
VA	0	1	6	89	4
8 Sts	0	2	29	61	8
Prev Wk	1	2	28	58	11
Prev Yr	1	7	23	62	7

Crop Progress and Condition

Week Ending July 4, 2021

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Winter Wheat Percent Harvested				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
AR	94	87	93	97
CA	74	60	75	73
CO	33	1	8	21
ID	1	0	1	0
IL	79	63	87	82
IN	44	25	44	55
KS	75	41	62	72
MI	0	0	0	2
MO	83	51	66	85
MT	0	0	0	0
NE	14	1	7	16
NC	85	69	83	89
OH	44	3	30	43
OK	99	80	90	95
OR	2	1	2	3
SD	0	0	1	4
TX	98	75	85	91
WA	1	0	0	1
18 Sts	54	33	45	53
These 18 States harvested 91% of last year's winter wheat acreage.				

Spring Wheat Percent Headed				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
ID	62	40	59	66
MN	79	84	97	77
MT	46	28	50	42
ND	55	42	68	62
SD	88	79	84	82
WA	82	88	98	87
6 Sts	59	48	69	62
These 6 States planted 100% of last year's spring wheat acreage.				

Spring Wheat Condition by Percent					
	VP	P	F	G	EX
ID	2	18	62	8	10
MN	7	18	40	34	1
MT	18	45	30	5	2
ND	21	29	32	16	2
SD	20	41	32	7	0
WA	31	37	24	8	0
6 Sts	18	32	34	14	2
Prev Wk	14	25	41	18	2
Prev Yr	1	5	24	59	11

Barley Percent Headed				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
ID	63	54	59	68
MN	86	74	90	77
MT	51	29	49	44
ND	52	41	66	65
WA	88	91	96	82
5 Sts	57	43	59	59
These 5 States planted 81% of last year's barley acreage.				

Barley Condition by Percent					
	VP	P	F	G	EX
ID	2	9	53	21	15
MN	7	16	41	36	0
MT	14	32	34	13	7
ND	23	33	30	13	1
WA	22	38	39	1	0
5 Sts	13	26	39	15	7
Prev Wk	7	18	44	23	8
Prev Yr	1	4	22	49	24

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	8	10	32	37	13
CA	0	5	10	65	20
CO	3	11	26	44	16
ID	11	24	35	20	10
IL	3	5	18	40	34
IN	1	4	17	59	19
KS	3	9	23	51	14
MI	2	11	41	43	3
MO	1	10	40	43	6
MT	14	27	25	32	2
NE	3	8	24	52	13
NC	3	12	37	44	4
OH	1	2	22	58	17
OK	4	13	30	48	5
OR	35	33	20	12	0
SD	20	36	36	8	0
TX	10	22	44	20	4
WA	10	26	44	20	0
18 Sts	7	16	30	38	9
Prev Wk	6	15	31	39	9
Prev Yr	6	11	32	41	10

Oats Percent Headed				
	Prev Year	Prev Week	Jul 4 2021	5-Yr Avg
IA	93	84	94	93
MN	90	71	90	81
NE	96	94	97	95
ND	46	29	55	59
OH	96	89	95	89
PA	65	60	84	76
SD	90	91	95	84
TX	100	100	100	100
WI	82	79	90	73
9 Sts	83	77	88	83
These 9 States planted 72% of last year's oat acreage.				

Oat Condition by Percent					
	VP	P	F	G	EX
IA	2	6	37	47	8
MN	10	17	41	32	0
NE	4	9	31	47	9
ND	25	33	27	14	1
OH	0	3	26	68	3
PA	0	2	34	44	20
SD	7	37	43	12	1
TX	10	30	40	17	3
WI	1	4	25	52	18
9 Sts	9	21	36	29	5
Prev Wk	6	20	37	32	5
Prev Yr	2	8	28	51	11

Crop Progress and Condition

Week Ending July 4, 2021

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Pasture and Range Condition by Percent Week Ending Jul 4, 2021												
	VP	P	F	G	EX		VP	P	F	G	EX	
AL	1	2	14	76	7		NH	0	30	70	0	0
AZ	71	12	14	3	0		NJ	0	0	29	70	1
AR	0	7	37	42	14		NM	32	35	20	10	3
CA	20	25	35	20	0		NY	0	2	30	26	42
CO	0	16	35	31	18		NC	2	30	37	29	2
CT	0	0	83	17	0		ND	51	26	20	3	0
DE	1	9	47	31	12		OH	0	4	21	69	6
FL	1	4	30	60	5		OK	0	5	25	57	13
GA	1	6	27	56	10		OR	49	22	19	9	1
ID	15	24	44	17	0		PA	0	15	12	53	20
IL	3	6	34	44	13		RI	0	0	0	80	20
IN	2	5	25	56	12		SC	0	6	35	40	19
IA	5	16	40	34	5		SD	21	53	20	6	0
KS	1	5	27	59	8		TN	1	8	30	53	8
KY	1	3	22	58	16		TX	10	15	24	36	15
LA	0	10	34	52	4		UT	29	40	29	2	0
ME	0	25	50	25	0		VT	0	0	82	6	12
MD	11	12	24	49	4		VA	4	17	44	33	2
MA	0	0	55	45	0		WA	61	23	11	5	0
MI	3	17	33	38	9		WV	2	18	33	37	10
MN	16	31	39	14	0		WI	2	8	25	47	18
MS	2	5	26	60	7		WY	13	31	35	20	1
MO	0	2	27	68	3		48 Sts	20	22	27	25	6
MT	42	35	18	5	0							
NE	4	10	57	25	4		Prev Wk	21	22	26	25	6
NV	35	25	40	0	0		Prev Yr	10	18	31	35	6

VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
* Revised

Crop Progress and Condition

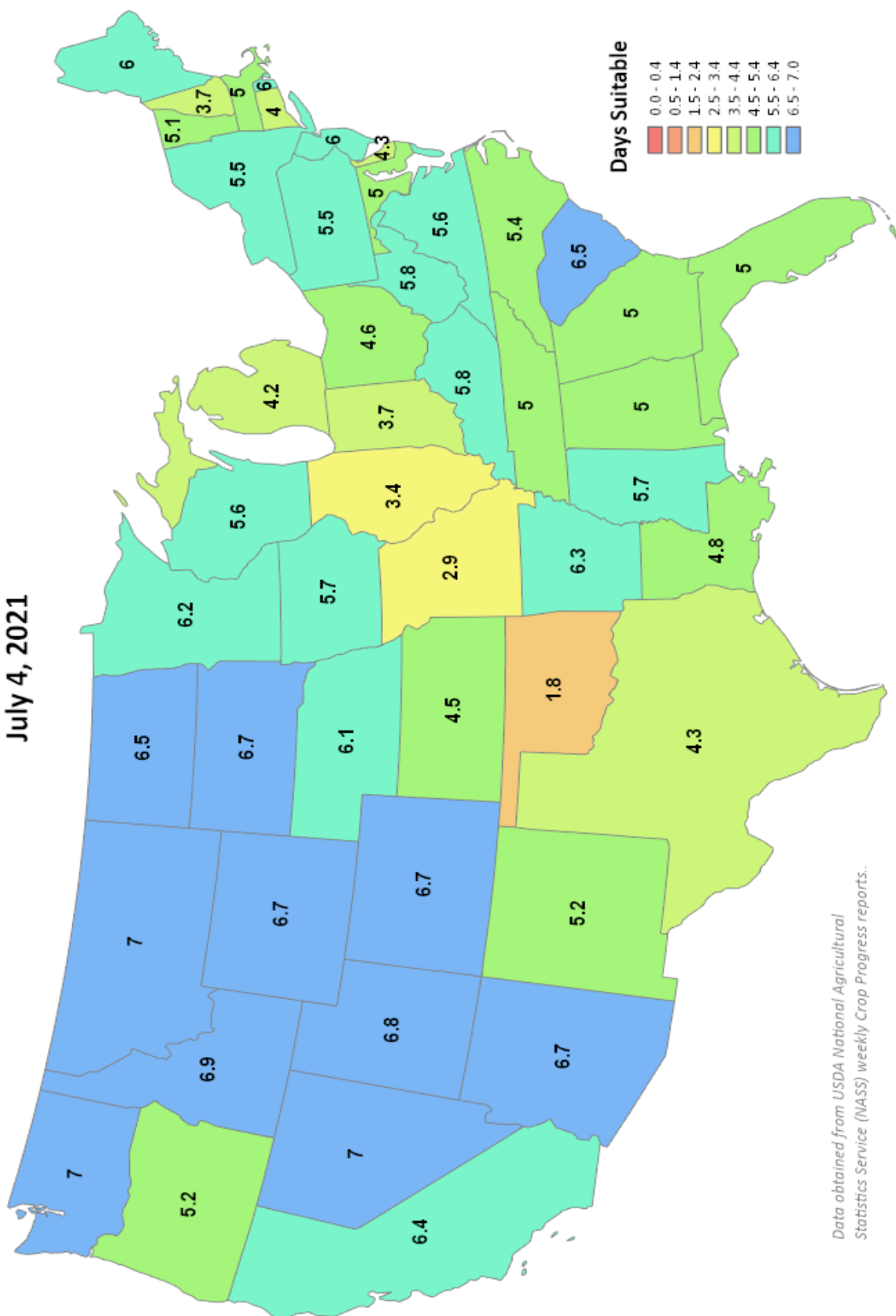
Week Ending July 4, 2021

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Days Suitable for Fieldwork

Week Ending

July 4, 2021

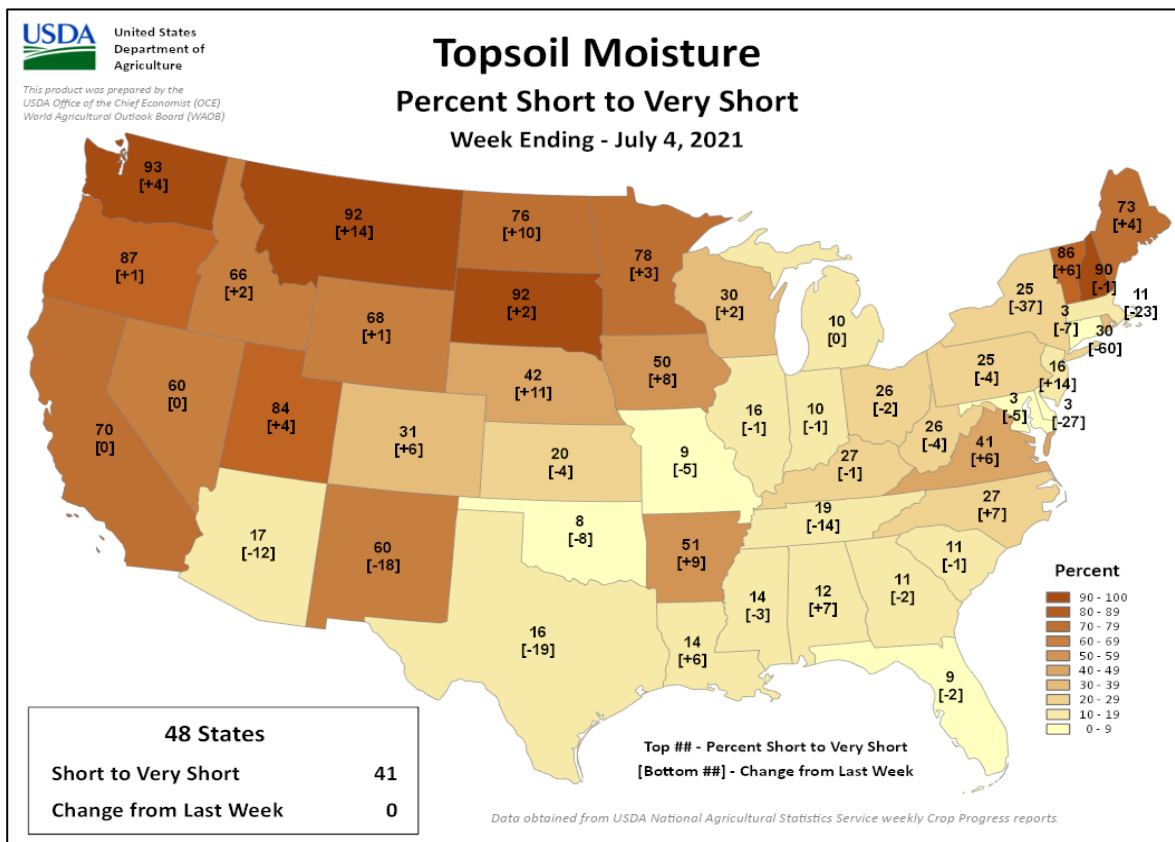
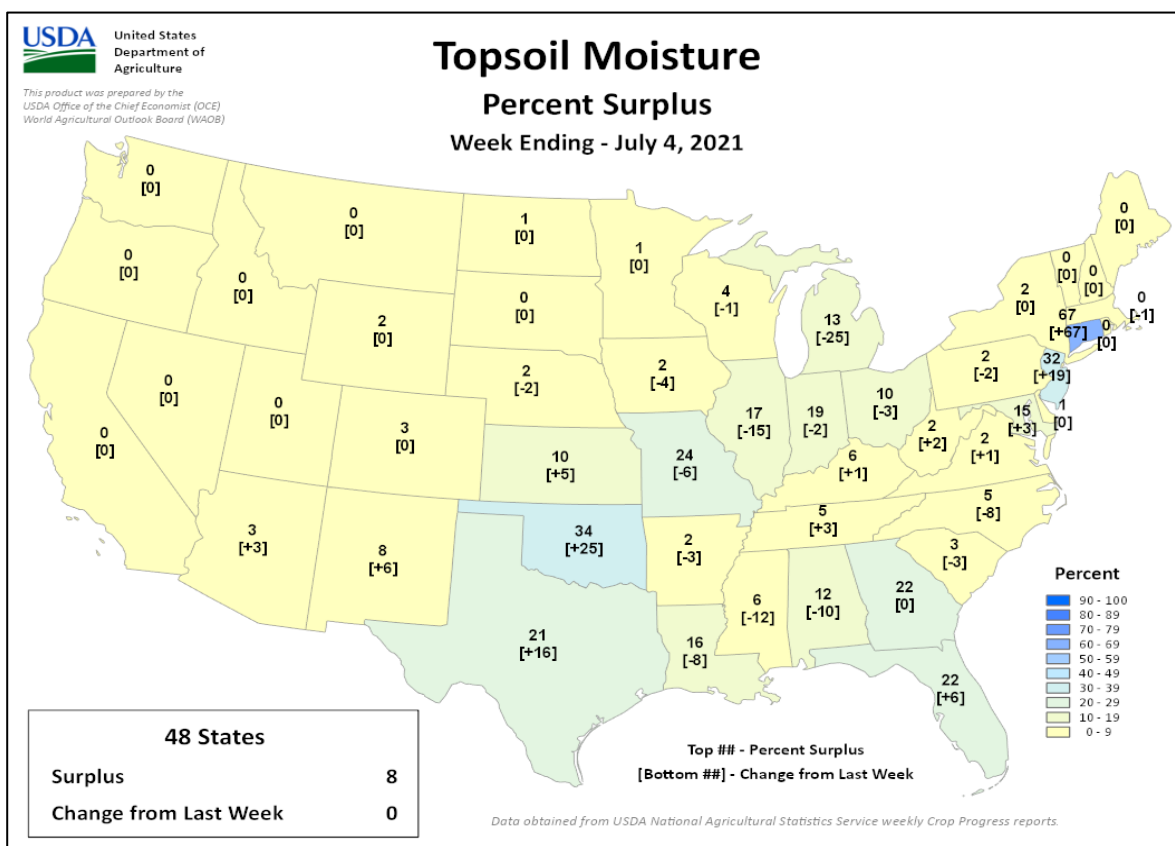


Data obtained from USDA National Agricultural Statistics Service (NASS) weekly Crop Progress reports.

Crop Progress and Condition

Week Ending July 4, 2021

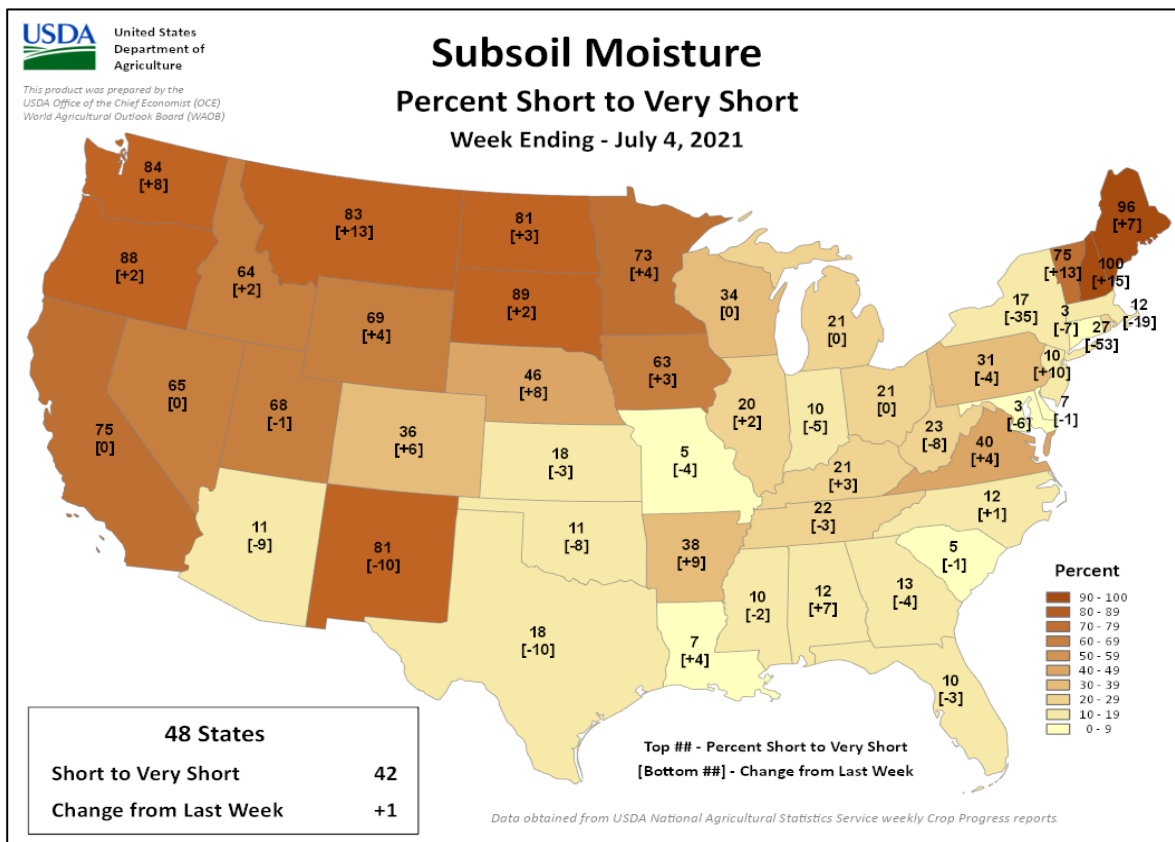
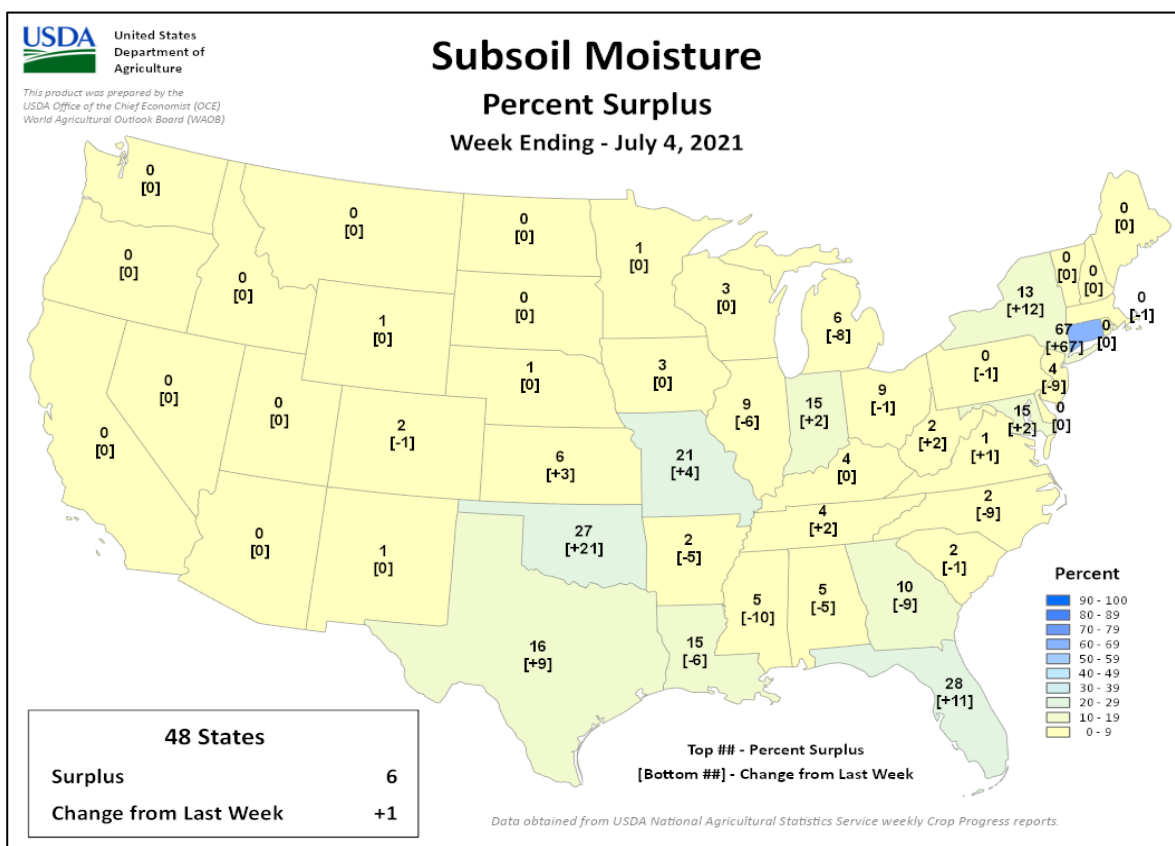
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending July 4, 2021

Weekly U.S. Progress and Condition Data provided by USDA/NASS



International Weather and Crop Summary

June 27 - July 3, 2021

*International Weather and Crop Highlights and Summaries
provided by USDA/WAOB*

EUROPE: Warm, showery weather prevailed, although short-term dryness intensified from Italy into Hungary and the western Balkans.

WESTERN FSU: Unsettled albeit warmer-than-normal weather prevailed, maintaining mostly favorable prospects for vegetative to reproductive summer crops.

EASTERN FSU: Hot, dry weather sustained drought in western and central spring grain areas and maintained high irrigation demands for cotton in the south.

MIDDLE EAST: Scattered showers in northern and western Turkey maintained good to excellent summer crop yield prospects, while severe long-term drought lingered in southeastern portions of the country.

SOUTH ASIA: Favorably wet weather for rice in eastern India contrasted with developing dryness for oilseeds in the west.

EAST ASIA: Downpours in parts of southern China were unfavorable for the remaining unharvested early-crop rice.

SOUTHEAST ASIA: Lackluster rain in Thailand and the surrounding areas continued to limit moisture for rice and other crops.

AUSTRALIA: Showers continued to benefit wheat, barley, and canola.

ARGENTINA: Drier weather favored cotton harvesting.

BRAZIL: Frosty weather raised concern for immature corn in southern production areas.

MEXICO: Monsoon showers intensified throughout northwestern watersheds.

CANADIAN PRAIRIES: Unseasonable warmth stressed spring crops growing with limited soil moisture.

SOUTHEASTERN CANADA: Warm, showery weather fostered rapid growth of crops and pastures.

June 2021

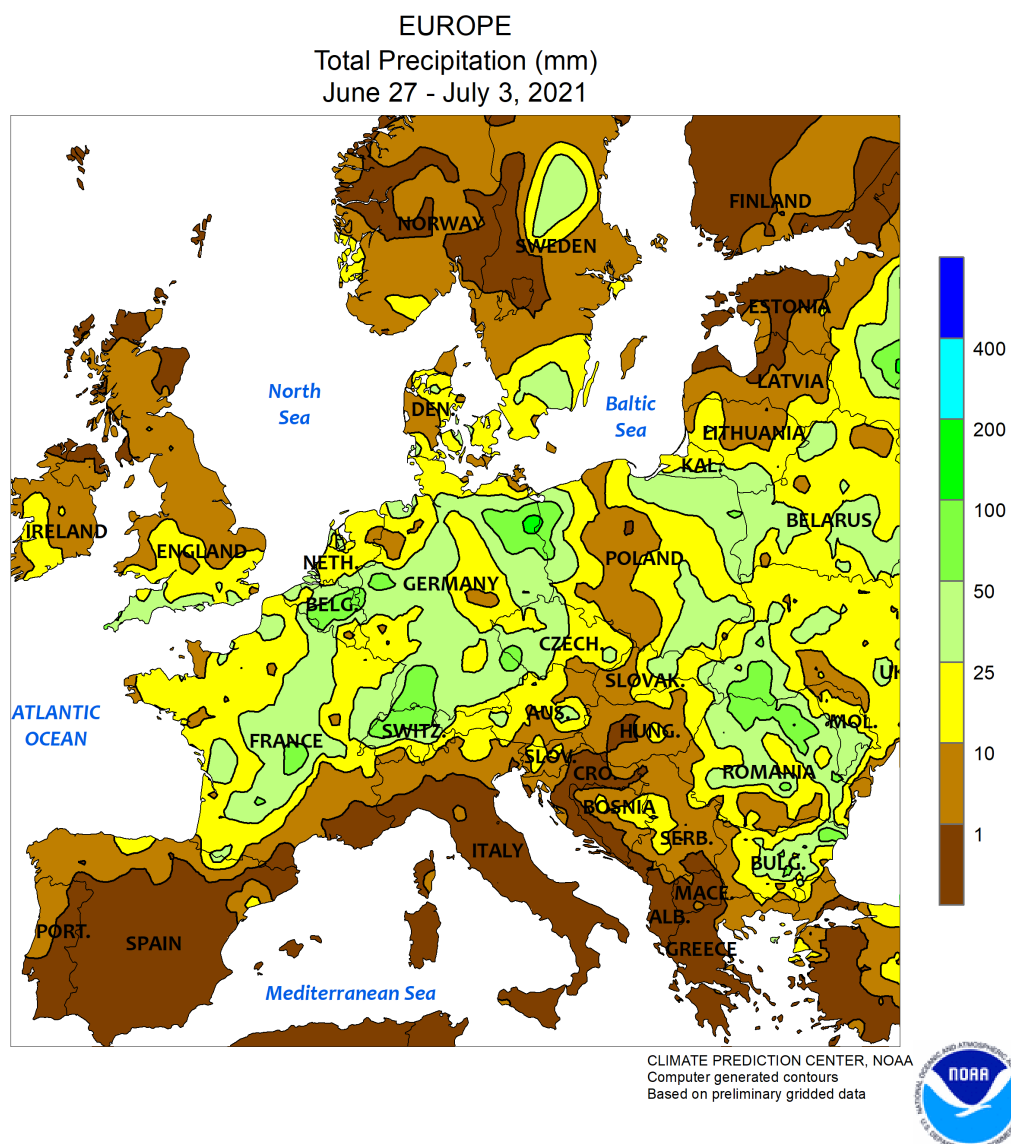
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	29	18	36	13	24	1.4	8	0
	BATNA	36	18	41	10	27	3.6	4	-14
ARGENT	IGUAZU	22	12	30	-1	17	0	347	211
	FORMOSA	22	12	32	0	16	-0.5	56	-14
	CERES	18	7	32	-3	13	-0.2	0	-21
	CORDOBA	18	3	27	-5	11	0.5	15	9
	RIO CUARTO	15	5	25	-2	10	0.3	12	-2
	ROSARIO	17	5	25	-3	11	0.1	1	-29
	BUENOS AIRES	16	5	23	-4	10	-0.2	3	-43
	SANTA ROSA	14	3	24	-4	9	0.7	3	-9
AUSTRA	TRES ARROYOS	14	5	23	0	9	1	23	-9
	DARWIN	31	21	33	18	26	0.8	0	-1
	BRISBANE	21	11	24	6	16	0.2	24	-42
	PERTH	18	8	22	1	13	-0.9	51	-89
	CEDUNA	17	8	24	3	12	0.1	51	19
	ADELAIDE	16	10	21	5	13	1.1	55	-5
	MELBOURNE	15	7	19	2	11	1.1	22	-15
	WAGGA	14	5	18	-2	9	0.5	52	0
AUSTRI	CANBERRA	12	3	17	-4	8	1.1	97	50
	VIENNA	28	15	33	7	22	2.8	19	-56
	INNSBRUCK	27	14	34	5	20	3.8	98	-10
BAHAMA	NASSAU	32	26	33	20	29	0.9	116	-91
BARBAD	BRIDGETOWN	31	25	32	23	28	1	109	-5
BELARU	MINSK	26	12	36	1	19	2.5	84	-5
BERMUD	ST GEORGES	28	24	30	21	26	0.6	39	-71
BOLIVI	LA PAZ	15	-4	16	-9	5	0.2	1	-7
BRAZIL	FORTALEZA	31	25	32	24	28	0.8	51	*****
	RECIFE	27	21	28	20	24	-2.3	56	-223
	CAMPO GRANDE	26	16	32	4	21	-1.1	41	-10
	FRANCA	25	14	28	4	20	0.3	32	5
	RIO DE JANEI	25	18	31	14	22	-0.6	16	-16
	LONDRINA	23	13	29	4	18	0.7	40	-46
	SANTA MARIA	18	10	31	2	14	-0.8	186	39
	SOFIA	25	13	34	5	19	0.3	87	13
BULGAR	OUAGADOUGOU	35	25	39	20	30	0.2	192	106
CANADA	LETHBRIDGE	26	8	37	2	17	1.4	16	*****
	REGINA	26	10	35	0	18	2.3	80	-5
	WINNIPEG	27	15	36	8	21	3.1	40	-52
	TORONTO	27	16	34	9	22	3.5	76	2
	MONTREAL	27	16	32	9	22	2.7	104	19
	PRINCE ALBER	25	10	34	3	18	2.6	63	-2
	CALGARY	25	11	36	4	18	3.9	30	-54
	VANCOUVER	22	13	32	6	18	2.4	37	-14
CANARY	LAS PALMAS	26	20	32	18	23	0.6	0	0
CHILE	SANTIAGO	17	4	24	-4	11	2.4	16	-66
CHINA	HARBIN	26	16	31	9	21	-0.4	90	0
	HAMI	33	18	38	13	25	0.1	12	6
	BEIJING	31	20	37	12	25	0.5	54	-18
	TIENTSIN	31	20	37	14	25	0.1	72	-5
	LHASA	26	13	29	7	19	3	42	-34
	KUNMING	26	18	30	12	22	1.6	421	244
	CHENGCHOW	34	24	40	17	29	2.8	48	-18
	YEHCHANG	31	22	37	17	26	2	36	-109
	HANKOW	32	23	36	16	28	2.3	120	-99
	CHUNGKING	31	23	37	18	27	1.3	57	-157
	CHIHKIANG	31	22	35	15	26	1.8	253	47
	WU HU	30	22	35	17	26	1	135	-72
	SHANGHAI	29	22	35	17	26	1.6	83	-78
	NANCHANG	31	25	35	20	28	2	287	-12
	TAIPEI	32	26	36	22	30	1.1	92	-244
	CANTON	33	25	36	22	29	2.7	500	182
COTE D	NANNING	32	25	36	20	28	1.1	203	-15
	ABIDJAN	30	25	32	22	28	0.7	370	-66
CUBA	CAMAGUEY	32	23	33	21	27	-0.1	631	*****
CYPRUS	LARNACA	31	20	37	16	25	0.1	1	-2
CZECHR	PRAGUE	25	13	32	4	19	2.8	74	7
DENMAR	COPENHAGEN	22	14	30	10	18	2.9	26	-26
EGYPT	CAIRO	34	22	39	17	28	-0.2	0	*****
ESTONI	TALLINN	24	13	33	5	18	4.4	62	-2
ETHIOP	ADDIS ABABA	24	13	29	10	18	1.1	*****	*****

Based on Preliminary Reports

June 2021

COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)			COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	NRM	TOT	DEP NRM			AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	NRM	TOT	DEP NRM
F GUIA	CAYENNE	31	23	34	22	27	1.2	483	86	N KORE	PYONGYANG	27	18	30	14	22	0	182	86
FIJI	NAUSORI	28	20	30	0	24	0.1	119	-34	NEW CA	NOUMEA	25	19	28	16	22	0.9	25	-75
FINLAN	HELSINKI	25	12	32	5	18	3.8	24	-37	NIGER	NIAMEY	38	28	42	20	33	0.8	44	-30
FRANCE	PARIS/ORLY	25	15	33	9	20	2.1	67	13	NORWAY	OSLO	22	12	26	9	17	3	54	-26
	STRASBOURG	27	16	34	9	21	3.4	117	45	NZEALA	AUCKLAND	17	10	20	1	14	1.2	102	-8
	BOURGES	25	15	34	10	20	2.3	56	-5		WELLINGTON	15	11	18	5	13	1.7	117	26
	BORDEAUX	26	16	33	9	21	1.5	124	60	P RICO	SAN JUAN	30	25	32	23	28	-0.7	238	126
	TOULOUSE	27	16	34	12	22	2.0	49	-13	PAKIST	KARACHI	36	30	38	30	33	1.2	0	-12
	MARSEILLE	30	19	34	14	24	2.3	5	-19	PERU	LIMA	20	17	22	16	18	0.8	0	*****
GABON	LIBREVILLE	29	25	32	22	27	1.1	296	236	PHILIP	MANILA	33	26	35	16	30	0.1	110	-113
GERMAN	HAMBURG	24	14	34	7	19	3.3	36	-43	PNEWGU	PORT MORESBY	30	24	32	23	27	0.3	28	-43
	BERLIN	27	15	37	9	21	4.0	48	-12	POLAND	WARSAW	26	14	33	6	20	3.4	57	-12
	DUSSELDORF	25	14	34	8	20	2.7	118	44		LODZ	26	12	32	4	19	2.4	52	-11
	LEIPZIG	26	15	33	8	20	3.7	48	-5		KATOWICE	25	12	32	3	19	2.1	39	-41
	DRESDEN	25	15	34	7	20	3.7	127	62	PORTUG	LISBON	26	15	33	12	21	-0.5	7	-7
	STUTTGART	25	14	32	6	20	2.5	170	82	ROMANI	BUCHAREST	27	14	36	6	20	-0.2	128	49
	NURNBERG	26	13	33	5	20	3.1	153	87	RUSSIA	ST.PETERSBUR	26	16	36	8	21	5.5	22	-48
	AUGSBURG	25	12	32	4	18	2.2	166	77		KAZAN	28	17	35	11	22	3.7	21	-41
GREECE	THESSALONIKA	31	18	39	12	24	-0.6	16	-13		MOSCOW	26	15	35	4	20	3.3	66	-14
	LARISSA	32	16	41	8	24	-1.5	17	-5		YEKATERINBUR	26	13	36	5	19	2.4	49	-26
	ATHENS	31	21	39	15	26	-0.2	5	-1		OMSK	23	10	33	3	16	-1.4	45	-6
GUADEL	RAIZET	31	24	32	23	28	0.5	82	-2		BARNAUL	23	11	32	7	17	-0.7	86	29
HONGKO	HONG KONG IN	32	27	35	24	30	0.1	398	*****		KHABAROVSK	24	14	29	6	19	0.9	125	55
HUNGAR	BUDAPEST	29	17	37	9	23	2.9	16	-47		VLADIVOSTOK	18	13	28	9	16	1.9	102	7
ICELAN	REYKJAVIK	11	7	18	3	9	-0.5	86	42		VOLGOGRAD	28	17	37	12	23	1.7	0	-42
INDIA	AMRITSAR	38	26	43	22	32	0.0	50	-16		ASTRAKHAN	32	20	40	15	26	2.8	30	3
	NEW DELHI	38	26	44	18	32	-1.3	19	-68		ORENBURG	31	17	40	9	24	3.6	19	-20
	AHMEDABAD	37	27	41	23	32	-1.3	147	67	S AFRI	JOHANNESBURG	17	6	22	-1	12	1.3	1	-9
	INDORE	35	24	39	22	30	-0.9	77	-55		BETHAL	***	***	***	***	***	*****	*****	*****
	CALCUTTA	34	26	39	22	30	-0.3	314	7		CAPE TOWN	20	10	28	5	15	2.4	111	17
	VERAVAL	34	28	35	20	31	0.8	56	*****	S KORE	SEOUL	28	19	32	13	23	1.1	104	-29
	BOMBAY	32	26	34	23	29	-0.8	917	*****	SAMOA	PAGO PAGO	29	25	31	23	27	0.1	280	131
	POONA	30	22	35	20	26	-1.5	138	-34	SENEGAL	DAKAR	30	23	34	5	27	0.9	1	-7
	BEGAMPET	33	24	37	22	28	-1.3	157	49	SPAIN	VALLADOLID	28	13	34	8	20	0.7	36	6
	VISHAKHAPATN	33	28	35	26	31	0.7	128	1		MADRID	30	15	35	12	22	0.9	34	10
	MADRAS	37	27	40	22	32	-0.3	88	7		SEVILLE	32	17	39	13	25	-0.7	6	*****
	MANGALORE	29	23	32	22	26	-0.3	690	*****	SWITZE	GENEVA	26	15	32	9	20	2.5	106	22
INDONE	SERANG	32	24	34	22	28	0.4	123	16	SYRIA	DAMASCUS	36	16	40	11	26	1.1	0	-1
IRELAN	DUBLIN	19	9	24	3	14	0.9	12	-55	TAHITI	PAPEETE	30	23	31	22	27	0.7	69	-4
ITALY	MILAN	30	18	35	15	24	1.7	16	-46	TANZAN	DAR ES SALAA	30	20	32	17	25	0.7	8	-32
	VERONA	30	17	34	11	24	1.1	22	-61	THAILA	PHITSANULOK	35	26	38	23	30	1.1	161	-4
	VENICE	28	19	31	13	23	1.9	6	-75		BANGKOK	36	27	38	25	31	2.2	134	-16
	GENOA	25	20	31	16	23	0.9	10	-33	TOGO	TABLIGBO	32	23	35	21	28	0.7	164	*****
	ROME	28	17	33	11	22	1.0	20	-2	TRINID	PORT OF SPAI	32	24	33	22	28	0.7	192	-63
	NAPLES	30	19	37	16	25	1.9	35	6	TUNISI	TUNIS	32	21	41	18	27	2.2	4	-5
JAMAIC	KINGSTON	33	25	34	23	29	0.2	10	-54	TURKEY	ISTANBUL	25	18	33	12	22	-0.9	25	-5
JAPAN	SAPPORO	24	15	31	9	20	2.9	52	5		ANKARA	24	11	30	2	17	-0.7	72	34
	NAGOYA	28	20	32	16	24	1.1	136	-60	TURKME	ASHKHABAD	38	26	45	21	32	4.4	0	-8
	TOKYO	27	19	31	15	23	1.0	180	13	UKINGD	ABERDEEN	18	10	24	5	14	1.2	14	-47
	YOKOHAMA	27	20	30	16	23	1.4	118	-73		LONDON	22	13	29	8	18	1.4	124	76
	KYOTO	29	20	34	15	24	0.9	122	-82	UKRAIN	KIEV	27	17	36	7	22	3.0	24	-59
	OSAKA	28	21	32	17	24	1.0	160	-19		LVOV	25	12	33	5	18	1.9	92	3
KAZAKH	KUSTANAY	27	13	38	3	20	0.4	13	-23		KIROVOGRAD	25	15	33	9	20	0.8	79	10
	TSHELINOGRAD	25	12	34	3	18	-1.2	21	-20		ODESSA	24	17	32	10	20	0.5	110	62
	KARAGANDA	24	11	34	1	18	-0.8	25	-11		KHARKOV	25	16	34	9	21	1.5	65	4
KENYA	NAIROBI	22	13	25	10	18	-2.0	0	-24	UZBEKI	TASHKENT	36	21	43	17	29	3.1	0	-13
LIBYA	BENGHAZI	32	20	40	16	26	1.0	0	*****	VENEZU	CARACAS	29	25	30	24	27	0.2	0	-55
LITHUA	KAUNAS	25	13	32	8	19	3.8	35	-38	YUGOSL	BELGRADE	30	18	39	10	24	2.7	34	-68
LUXEMB	LUXEMBOURG	24	14	31	10	19	2.8	82	1	ZAMBIA	LUSAKA	22	10	27	7	16	0.3	*****	*****
MALAYS	KUALA LUMPUR	33	25	36	23	29	1.0	164	33	ZIMBAB	KADOMA	***	***	21	***	***	*****	*****	*****
MALI	BAMAKO	36	24	40	22	30	0.3	94	-22										
MARSHA	MAJURO	30	27	33	24	28	0.6	237	-41										
MARTIN	LAMENTIN	31	25	32	23	28	0.3	223	34										
MAURIT	NOUAKCHOTT	35	23	45	19	29	1.6	*****	*****										
MEXICO	GUADALAJARA	27	18	35	14	22	-0.6	130	*****										
	TLAXCALA	22	13	28	10	18	-0.6	205	95										
	ORIZABA	25	18	30	16	22	0.3	291	*****										
MOROCC	CASABLANCA	24	18	26	15	21	0.1	6	3										
	MARRAKECH	34	17	44	14	25	0.2	0	-5										
MOZAMB	MAPUTO	26	14	33	12	20	-0.3	40	24										

Based on Preliminary Reports

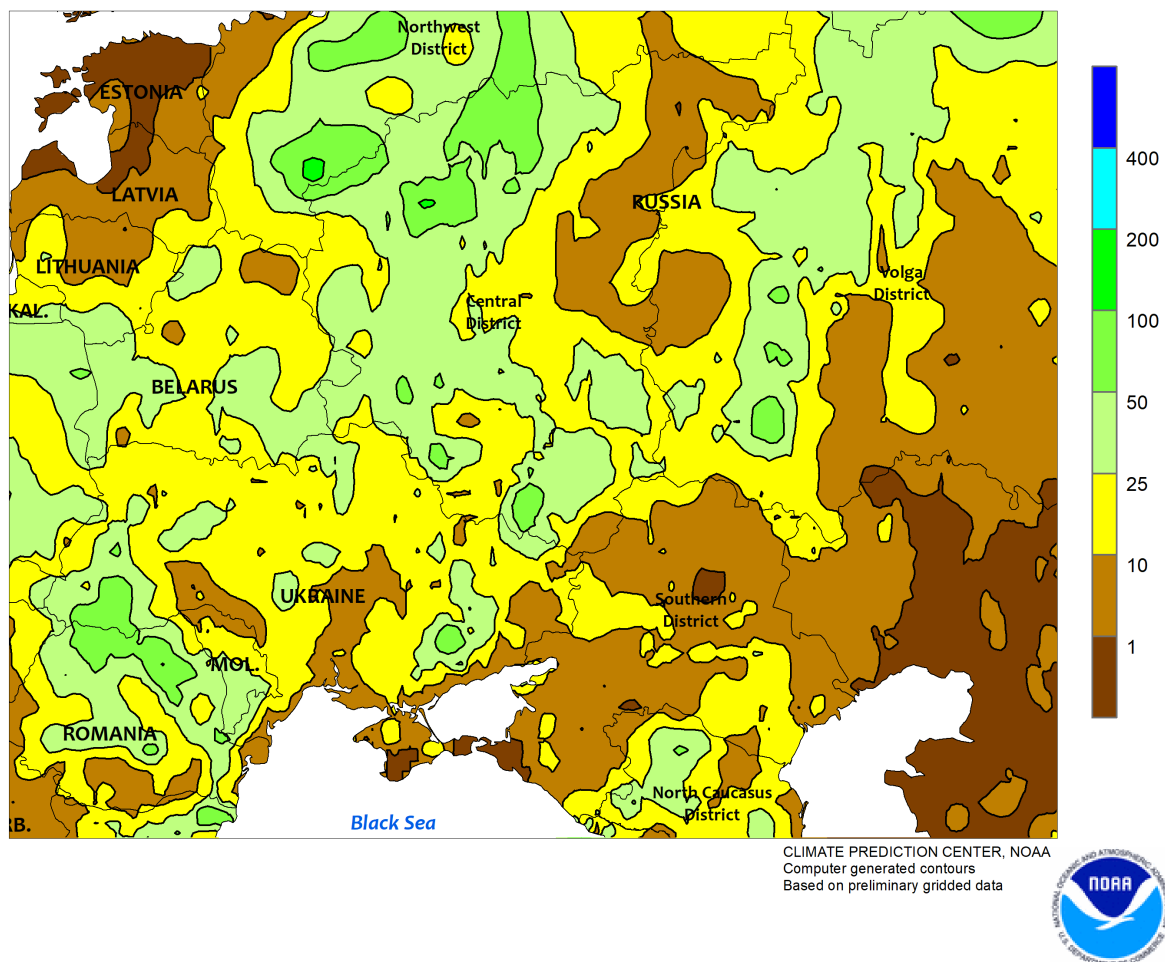


EUROPE

Warm, showery weather maintained mostly favorable conditions for spring grains and summer crops across the continent. A slow-moving disturbance triggered widespread showers and thunderstorms from France and southern England eastward into western Poland, while moisture associated with a nearly stationary system in eastern Europe likewise maintained widespread, locally heavy showers. The net result was a wide swath of 10 to 75 mm of rainfall from the Atlantic Coast into eastern Europe, with some locales topping 100 mm. Consequently, moisture supplies remained favorable for vegetative to reproductive spring grains and summer crops, though the wet weather likely impeded winter crop drydown and harvesting. Despite the overall

favorable conditions, acute short-term dryness (30-day rainfall locally less than 25 percent of normal) from north-central Italy eastward into Hungary and the western Balkans depleted soil moisture for vegetative to reproductive corn, sunflowers, and soybeans, with rain needed soon to stave off summer crop yield reductions. The southeastern dryness was accompanied by heat (35-39°C), further heightening the need for moisture. Drier conditions were also noted in Spain, although the respite from recent rain was beneficial for winter grain drydown and harvesting. Temperatures during the monitoring period averaged within 1 to 2°C of normal, save for the heat (up to 5°C above normal) over southeastern Europe.

WESTERN FSU
Total Precipitation (mm)
June 27 - July 3, 2021

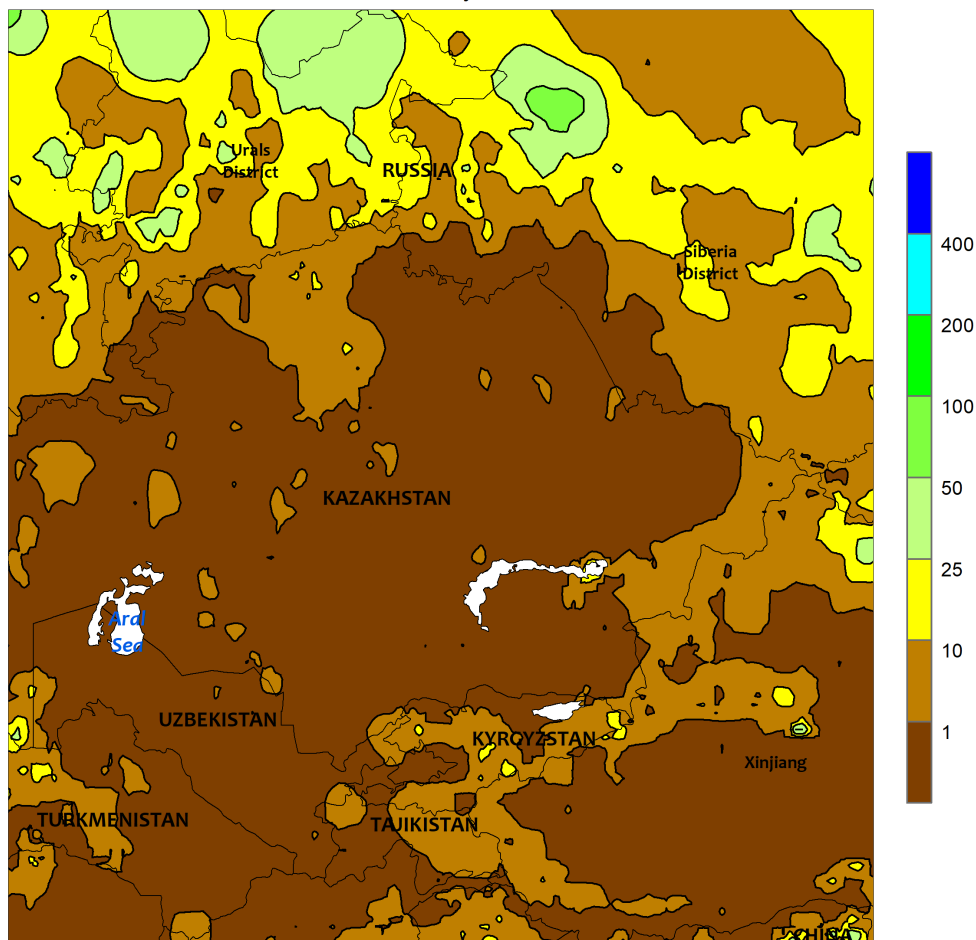


WESTERN FSU

Warm, showery weather prevailed across the region, though heat and drought remained entrenched over eastern-most crop areas. A summery weather pattern featured above-normal temperatures (2-4°C above normal) and widespread showers (5-50 mm, locally more) in Belarus, Moldova, Ukraine, and western Russia, although some locales missed out on the rain (less than 5 mm). Overall, moisture supplies remained good to excellent for vegetative (north) to reproductive (south)

summer crops, with recent wetness (60-day rainfall locally more than 200 percent of normal) allowing crops to better withstand the heat (35-38°C) that developed from Russia's Southern District into southern portions of the Central and Volga Districts. In contrast, severe drought (90-day rainfall less than 50 percent of normal) and extreme heat (38-41°C) in the southeastern Volga District continued to take a toll on reproductive to filling spring grains.

EASTERN FSU
Total Precipitation (mm)
June 27 - July 3, 2021



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data

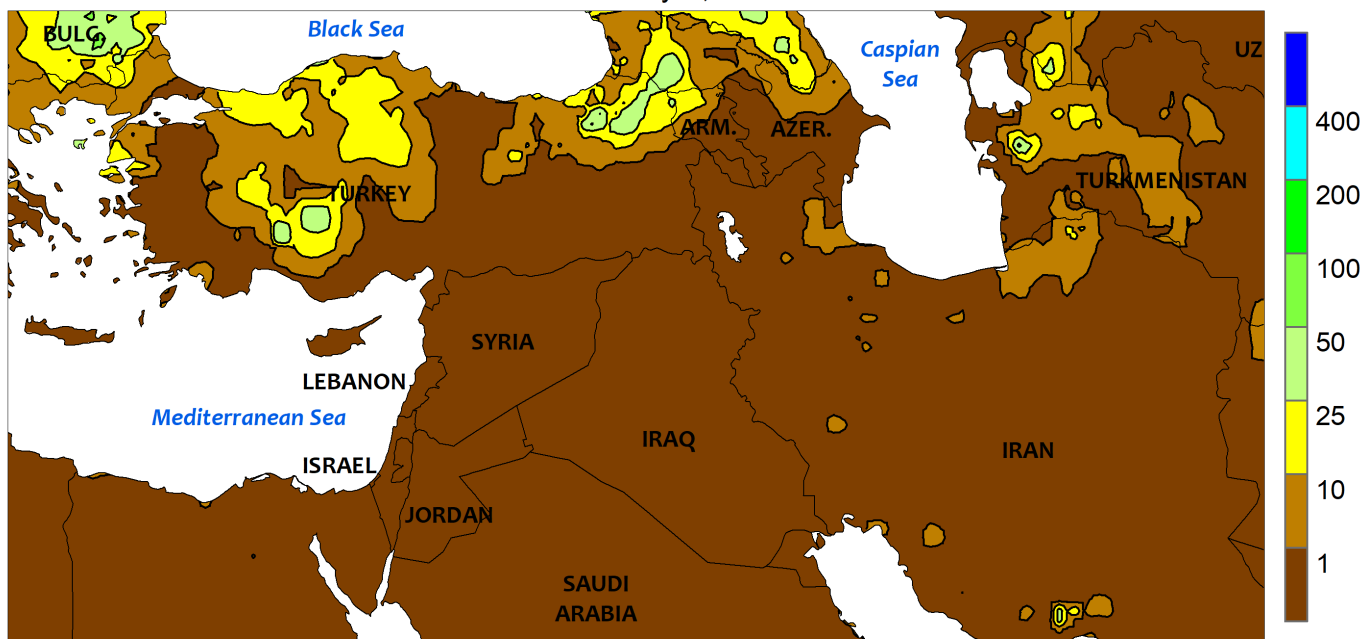


EASTERN FSU

Despite some showers, mostly dry, hot weather exacerbated drought in western and central spring grain areas. Temperatures during the period averaged 5 to 7°C above normal across northern Kazakhstan and neighboring portions of central Russia, with daytime highs near or greater than 40°C hastening crop development and heightening evapotranspiration rates and soil moisture losses. Spring wheat and barley are approaching or progressing through reproduction in western and central portions of the spring grain belt in very poor shape, with the latest satellite-derived Vegetation Health Index (VHI) depicting widespread crop

stress in these locales. Conversely, showers and thunderstorms (10-33 mm) in central and eastern portions of the Siberia District favored vegetative to reproductive spring wheat and barley; the latest VHI supported much better crop prospects in eastern growing areas. In the south, temperatures up to 6°C above normal were in sharp contrast to last week's cool spell, renewing crop stress and heightening irrigation demands for flowering cotton. Long-term drought remained entrenched across the primary croplands of the cotton belt, though crops are heavily irrigated during the region's hot, dry summer.

MIDDLE EAST
Total Precipitation (mm)
June 27 - July 3, 2021



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data

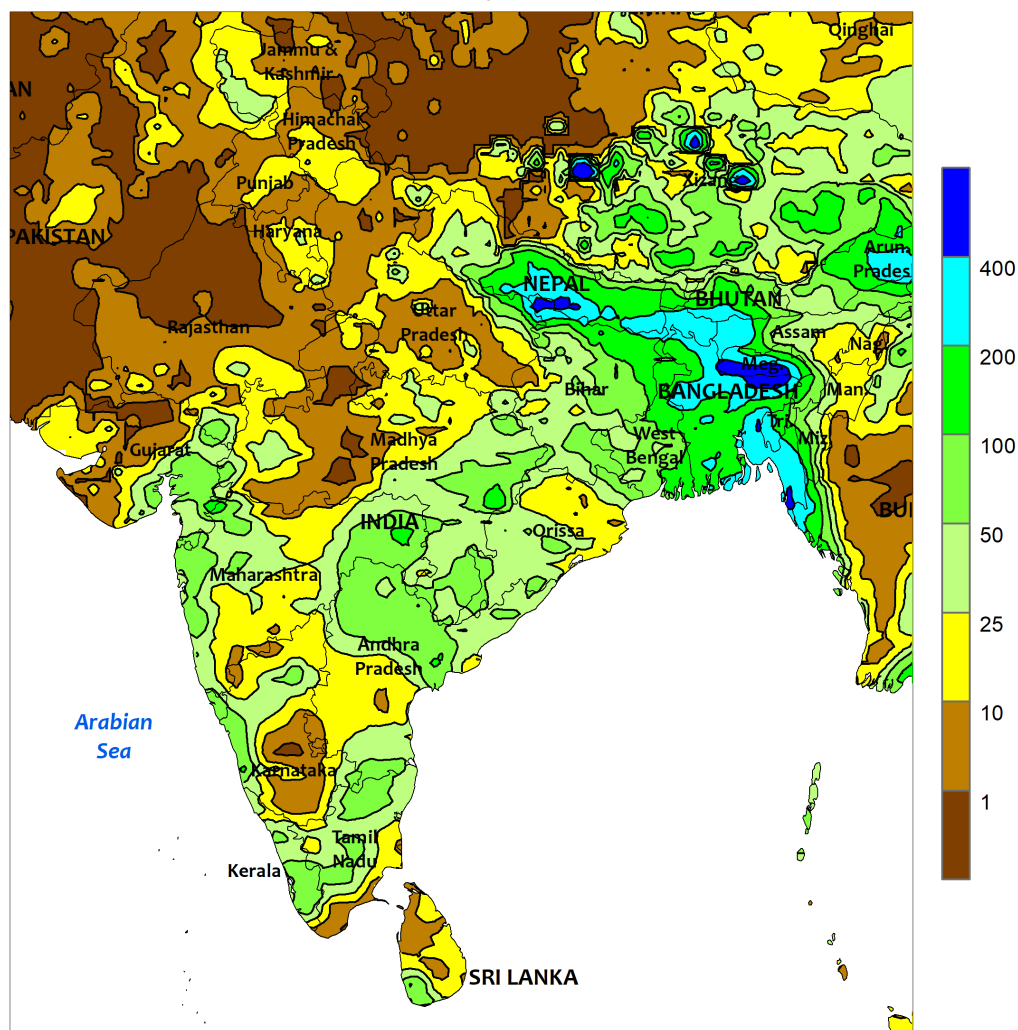


MIDDLE EAST

Scattered showers in western and northern Turkey contrasted with severe drought in southern and eastern portions of the country. Highly variable albeit still beneficial showers and thunderstorms (2-20 mm, locally more) across western and northern Turkey favored vegetative to reproductive sunflowers, corn, and cotton. Conversely, sunny skies prevailed across

southern and eastern portions of the country, maintaining drought and high irrigation requirements for vegetative to reproductive corn and cotton. Elsewhere in the region, sunny skies and near- to above-normal temperatures (up to 5°C above normal in northern Iran) facilitated winter grain harvesting and other seasonal fieldwork from Syria into Iran.

SOUTH ASIA
Total Precipitation (mm)
June 27 - July 3, 2021



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data



SOUTH ASIA

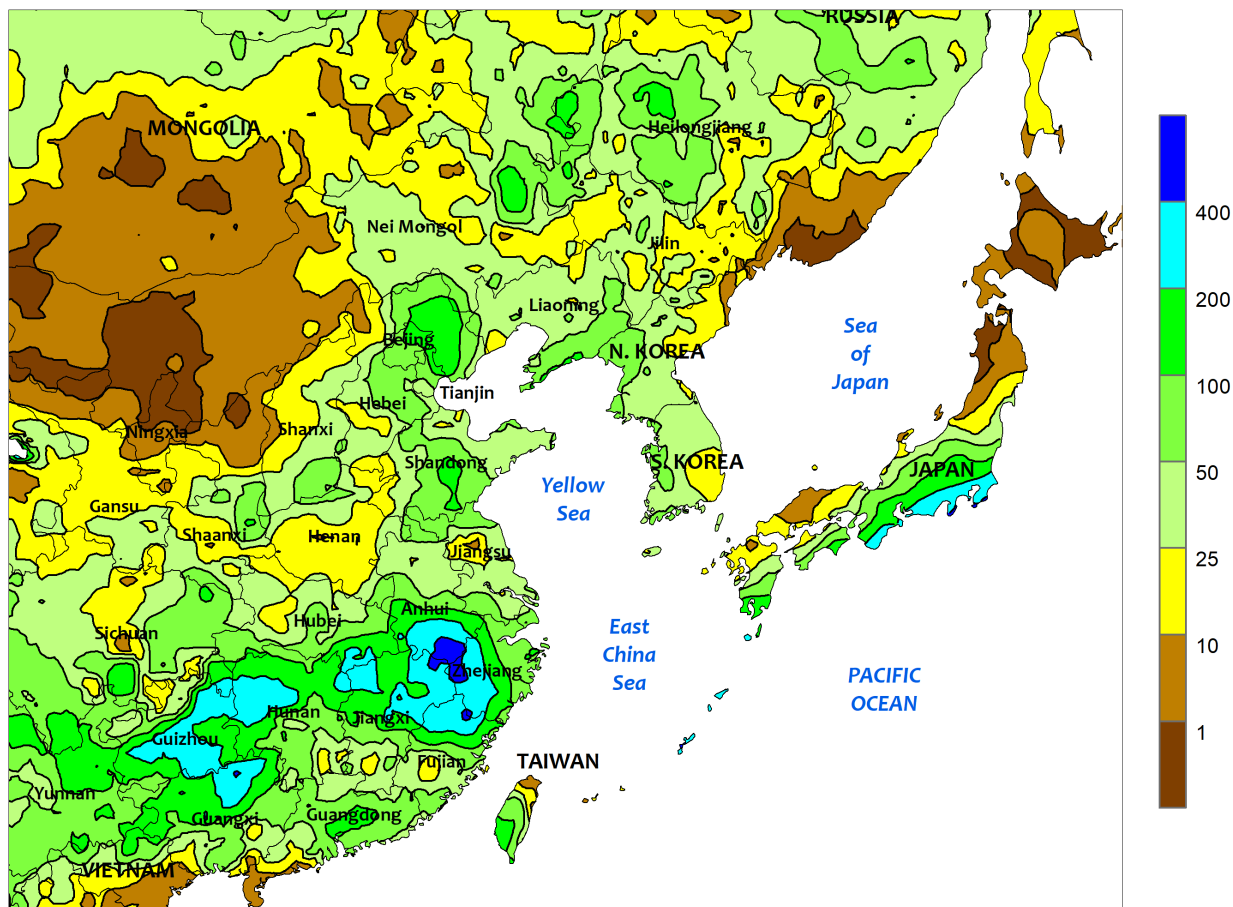
Despite a rapid onset of the southwest monsoon, rainfall has been lackluster in some key crop areas of India. Much of the north and west received only spotty showers this past week with little if any accumulation. For the season (beginning June 1), oilseed and some cotton areas have recorded below-average, and well below last year, rainfall totals. In contrast, many rice areas in eastern India (and Bangladesh) reported above-average (and above last year) rainfall totals for the

season thus far, with 25 to 100 mm of rain (100-200 mm in Bangladesh) for the 7-day period. Planting of most crops is progressing slowly (behind last year's fast pace) as growers await more consistent rainfall in July. Meanwhile, in Pakistan conditions were similar to northwestern India, as little rainfall was tallied and hotter-than-normal weather prevailed (temperatures up to 3°C above normal), increasing irrigation demands for rice and cotton.

EASTERN ASIA

Total Precipitation (mm)

June 27 - July 3, 2021



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data

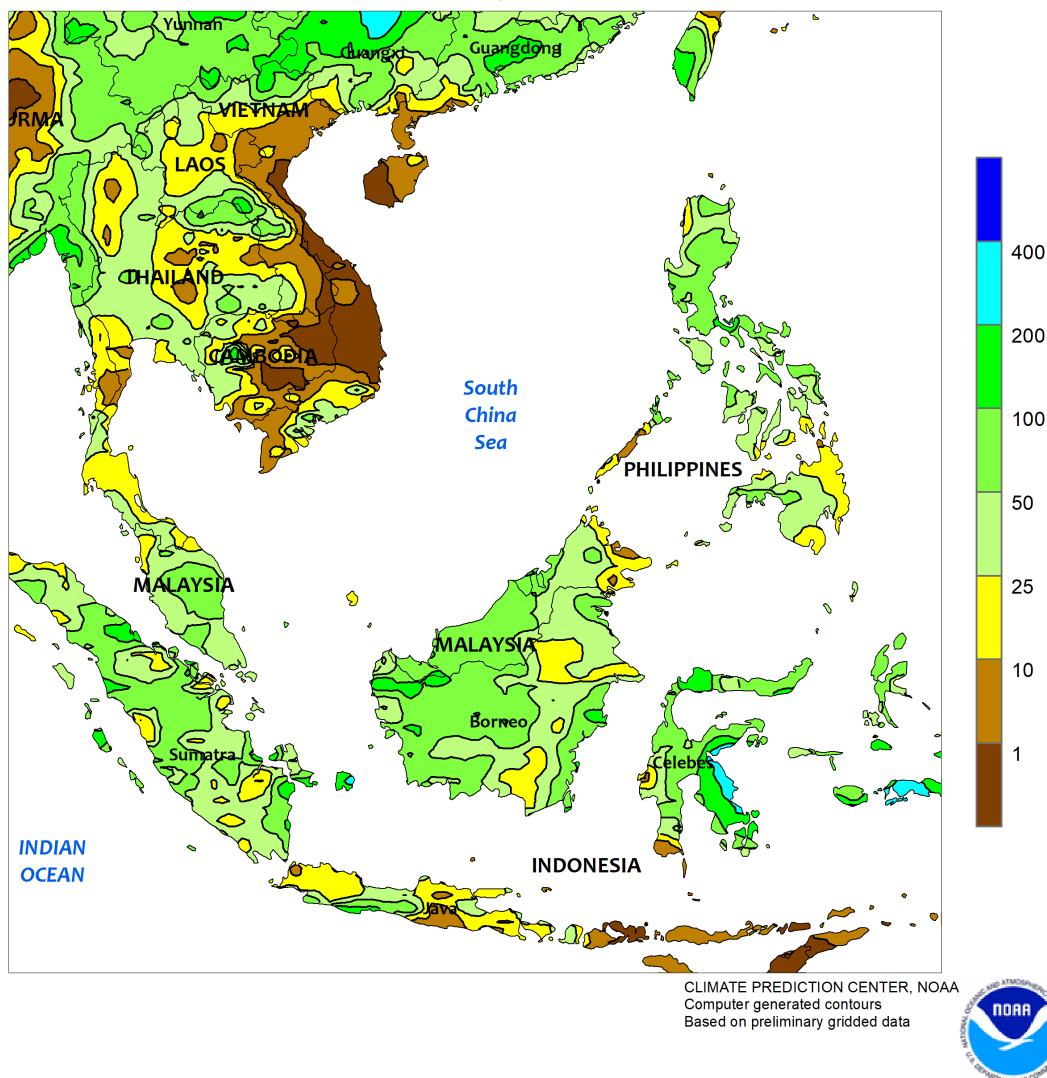


EASTERN ASIA

Waves of tropical moisture produced drenching rains in parts of southern China, with amounts reportedly up to 562 mm, locally. While the downpours significantly eased seasonal drought, flooding was a concern in unharvested early-crop rice areas. For the remainder of China, summer crops benefited from more seasonable rainfall amounts, with 25 to 100 mm extending from the Yangtze Valley northward. Only portions of Inner Mongolia in the northeast continued to experience

moisture deficits (corn and soybeans). In other parts of China, hotter-than-normal weather (4°C above normal) in western China caused stress to cotton beginning to flower and may have trimmed yields. Elsewhere in the region, continued rainfall (100-200 mm) in Taiwan greatly improved reservoir levels following last year's severe drought, while a dissipating typhoon (Champi) off the eastern coast of Japan caused flooding (300-400 mm of rain) in southeastern-most rice areas.

SOUTHEAST ASIA
Total Precipitation (mm)
June 27 - July 3, 2021

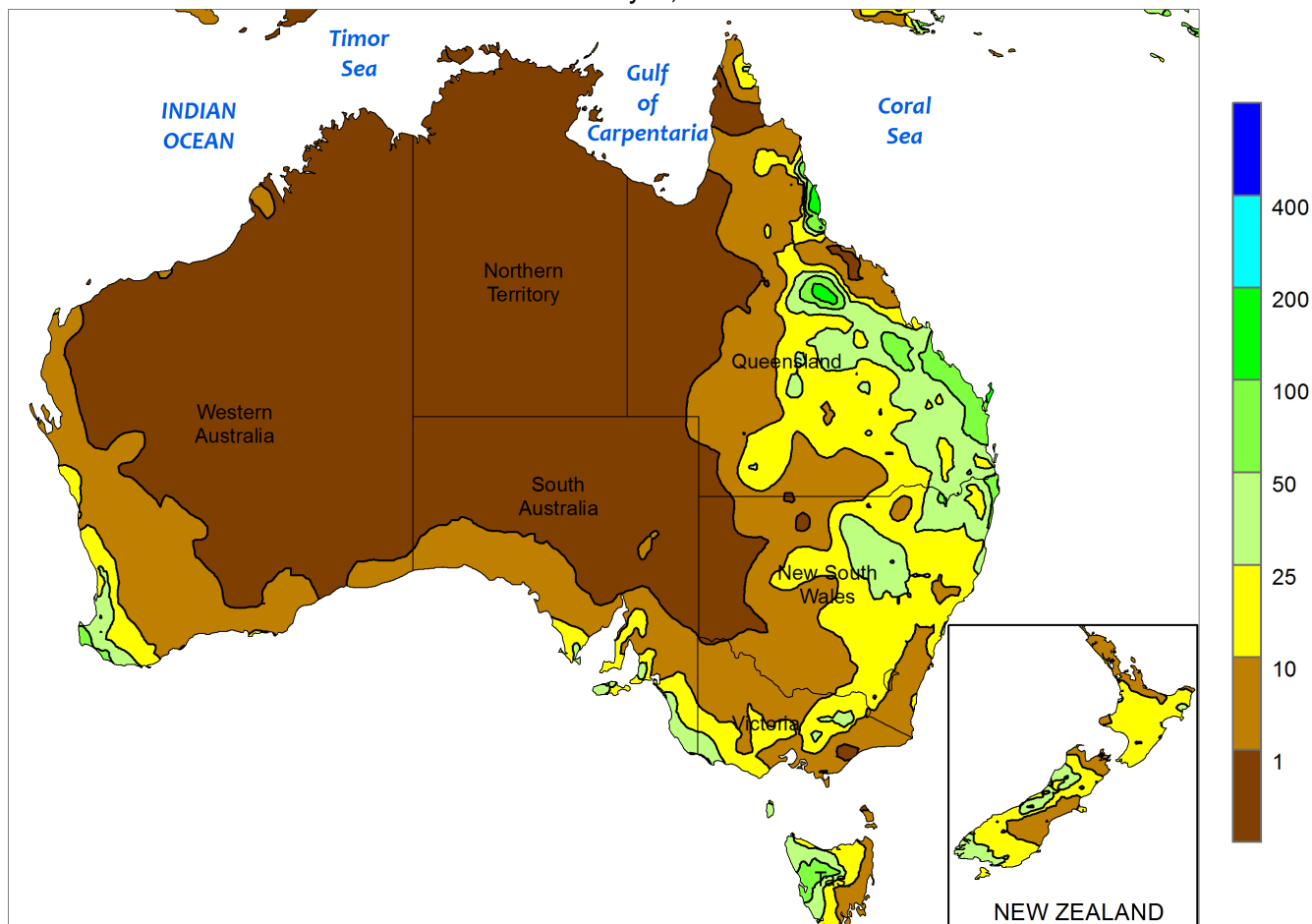


SOUTHEAST ASIA

Seasonal rainfall remained lighter than normal and somewhat spotty across Thailand and environs, with some areas reporting little if any rain and others up to 100 mm. Overall, moisture supplies remained adequate due in large part to heavy pre-monsoon showers in April and mid-June rainfall, but more consistent rain is needed to maintain yield prospects for rain-fed rice and to replenish reservoirs for

irrigated rice. In contrast, showers have been more consistent in the Philippines, particularly in eastern and northeastern rice and corn areas, where totals for the past week ranged from 50 to nearly 200 mm. Meanwhile, more wet weather across Malaysia and neighboring sections of Indonesia maintained near- to above-normal 90-day rainfall amounts for oil palm.

AUSTRALIA
Total Precipitation (mm)
June 27 - July 3, 2021



Gridded data from the Australian Bureau of Meteorology: www.bom.gov.au/
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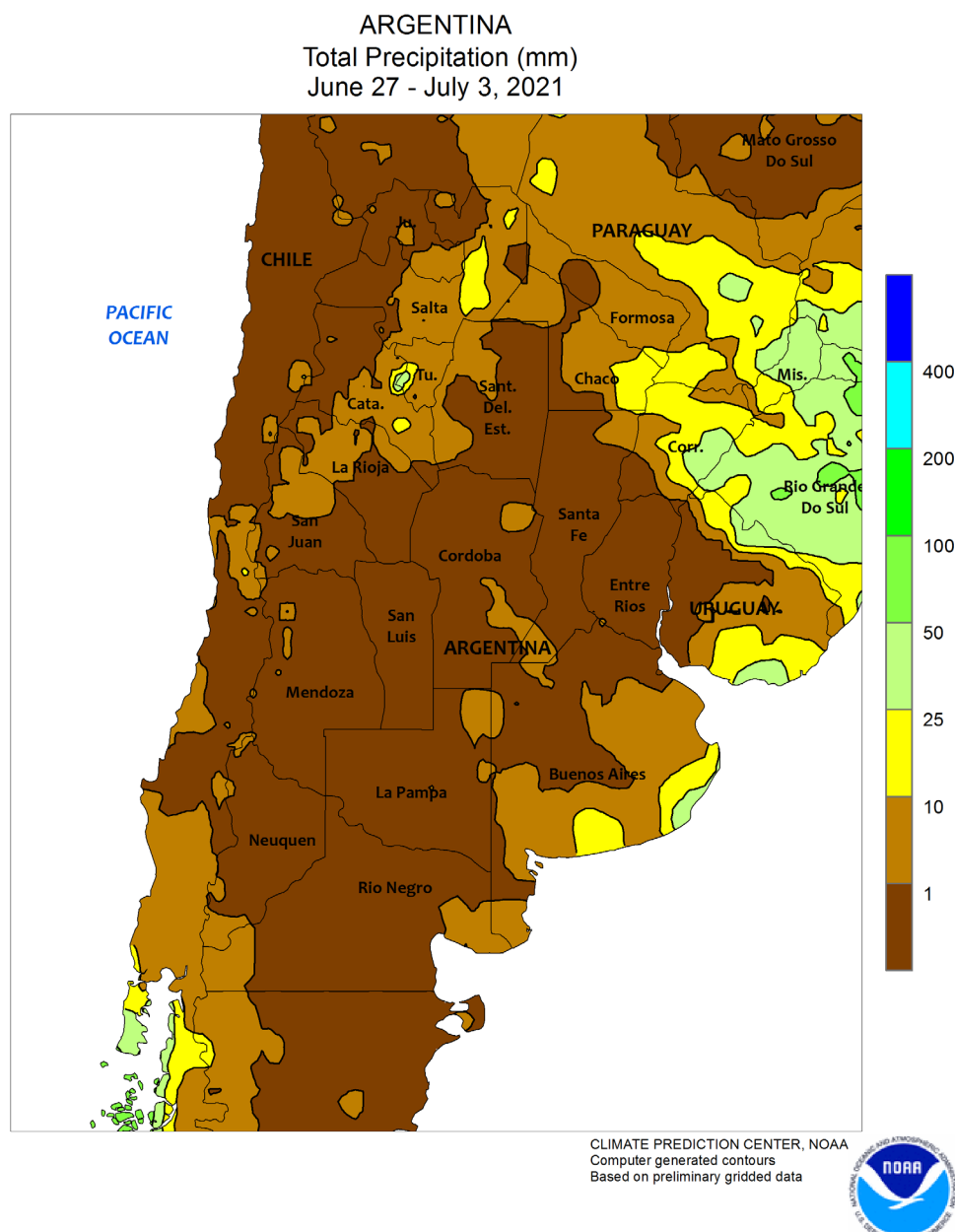
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data



AUSTRALIA

Showers continued to fall across most of Australia's major crop producing areas, further benefiting wheat, barley, and canola emergence and establishment. The heaviest and most widespread rain fell across Queensland and New South Wales, where most crop areas received between 10 and 50 mm of rain. The showers were lighter and somewhat more widely scattered in southern and western

portions of the wheat belt, where rainfall totals ranged from 5 to 15 mm in most areas. Mild weather favored crop development, with maximum temperatures generally in the upper 10s degrees C (averaging within 1°C of normal). Overall, crop conditions remained good to excellent throughout most of the wheat belt, helping to maintain promising early-season yield prospects.

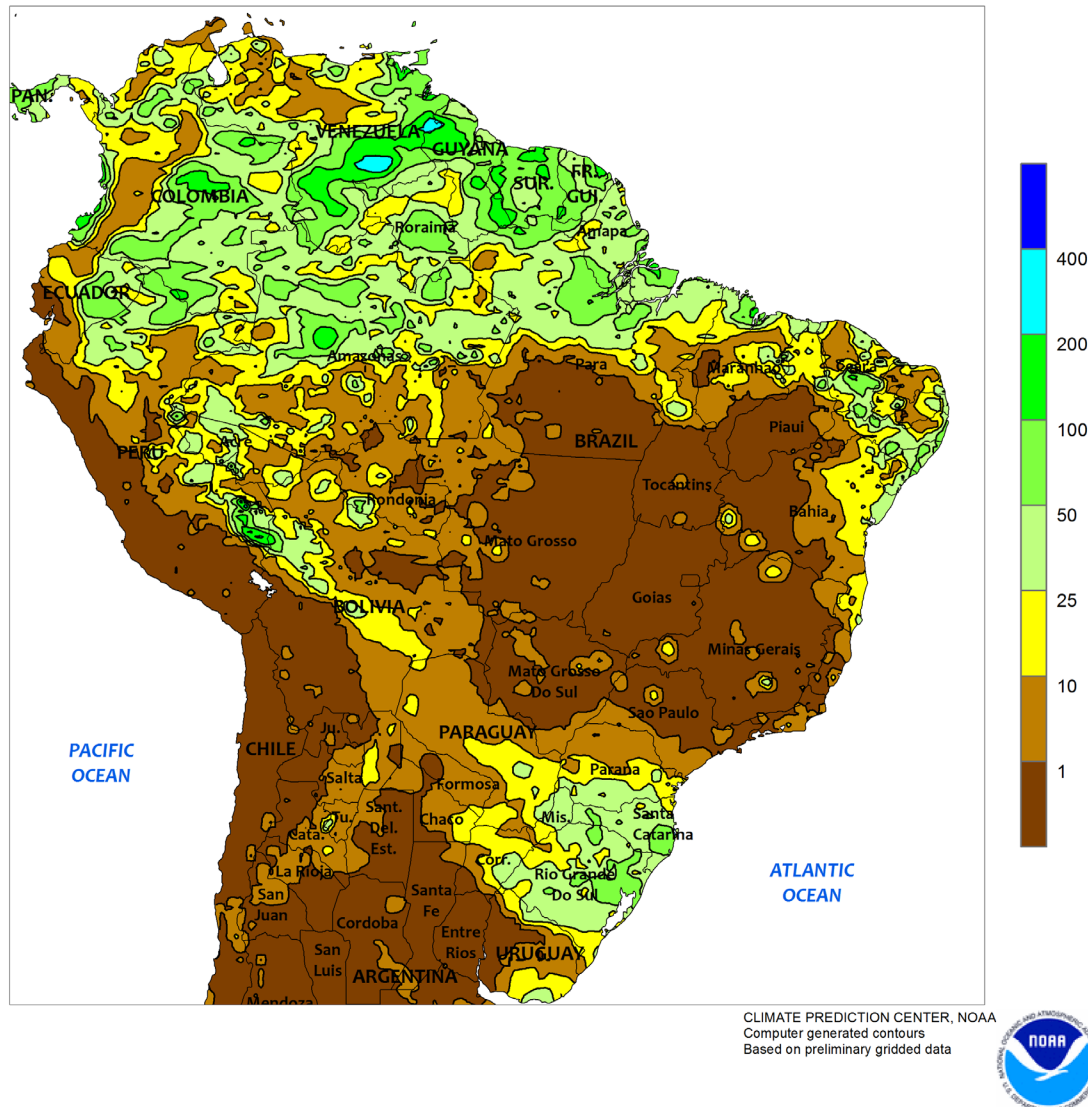


ARGENTINA

Dry weather dominated the region for much of the week, supporting winter grain planting and allowing for a resumption of summer crop harvesting. The dryness was particularly welcome in northeastern cotton areas (eastern Chaco and environs) that recorded several days of heavy rain during the latter part of June, including locally more than 25 mm on June 27. Elsewhere, light to moderate rain (5-25 mm, locally reaching 50 mm) was confined to southeastern Buenos Aires. Weekly average temperatures ranged from

near normal in La Pampa and Buenos Aires to more than 5°C below normal from eastern Chaco to Paraguay. Freezes were common in most agricultural areas, with nighttime lows dropping below -5°C in and around southern Santa Fe and many western locations. According to the government of Argentina, corn was 67 percent harvested as of July 1, lagging last year by 19 points, and cotton was 77 percent harvested (96 percent last year). In addition, wheat and barley were both 78 percent planted.

BRAZIL
Total Precipitation (mm)
June 27 - July 3, 2021

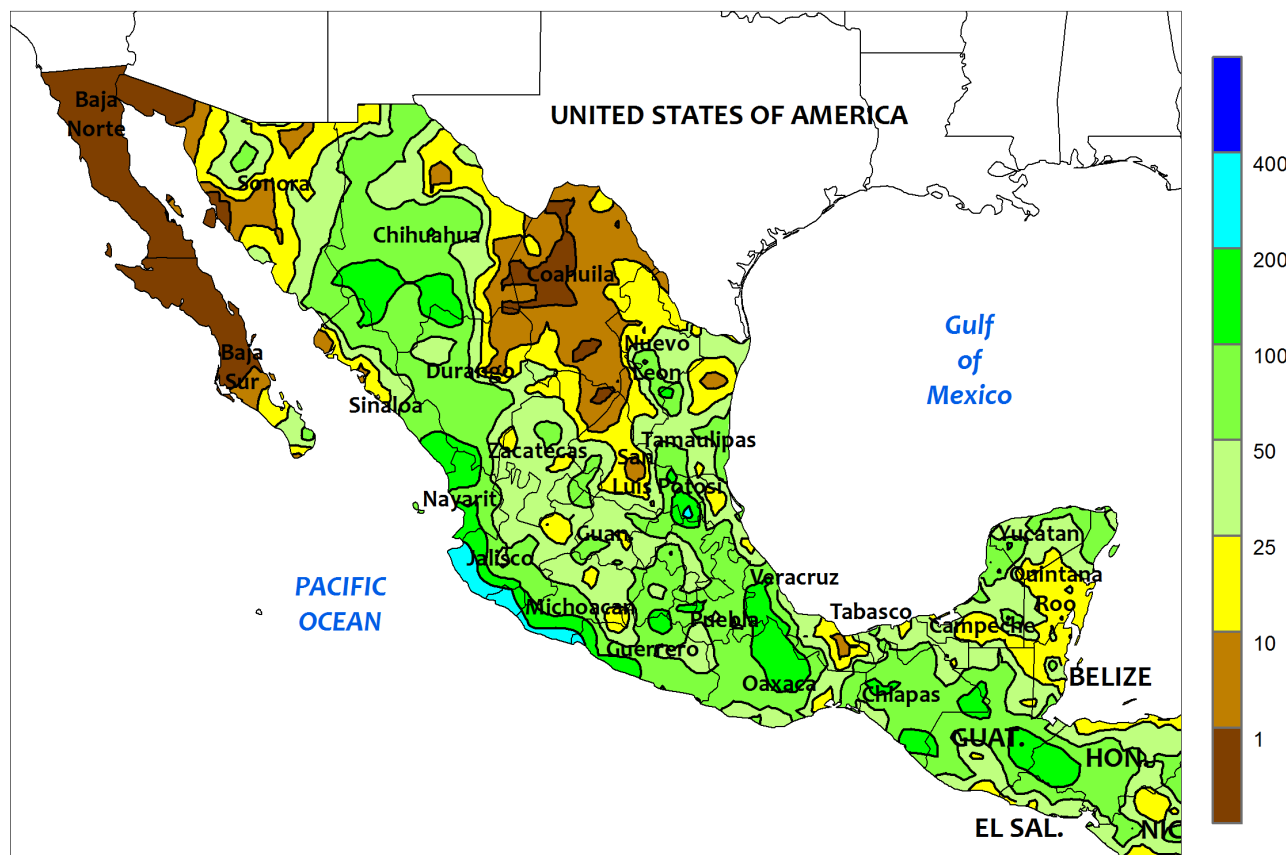


BRAZIL

An untimely freeze raised concern for potential damage to immature corn in southern production areas. In Parana, nighttime lows dropped below freezing from June 29 to July 1, with temperatures as low as -3°C reported in southern parts of the state. Northern Parana was also cold, with nighttime lows in the lower single digits (degrees C) during the same period. According to the government of Parana, 2 percent of second-crop corn had been harvested as of June 28, with 27 percent of the remainder being mature, leaving portions of the crop vulnerable to potential frost impacts. Freezes were also

reported locally in southern parts of Mato Grosso do Sul, São Paulo, and Minas Gerais, as nighttime lows dropped below 5°C as far north as southern Mato Grosso do Sul. Meanwhile, scattered showers (5-25 mm, locally exceeding 50 mm) continued in southern Brazil and along the northeastern coast. In Parana and Rio Grande do Sul, the rainfall maintained mostly favorable levels of moisture for wheat, although the cool conditions slowed emergence. According to recent reports emanating from those states, wheat was 95 and 75 percent planted, respectively, in Parana and Rio Grande do Sul.

MEXICO
Total Precipitation (mm)
June 27 - July 3, 2021



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data

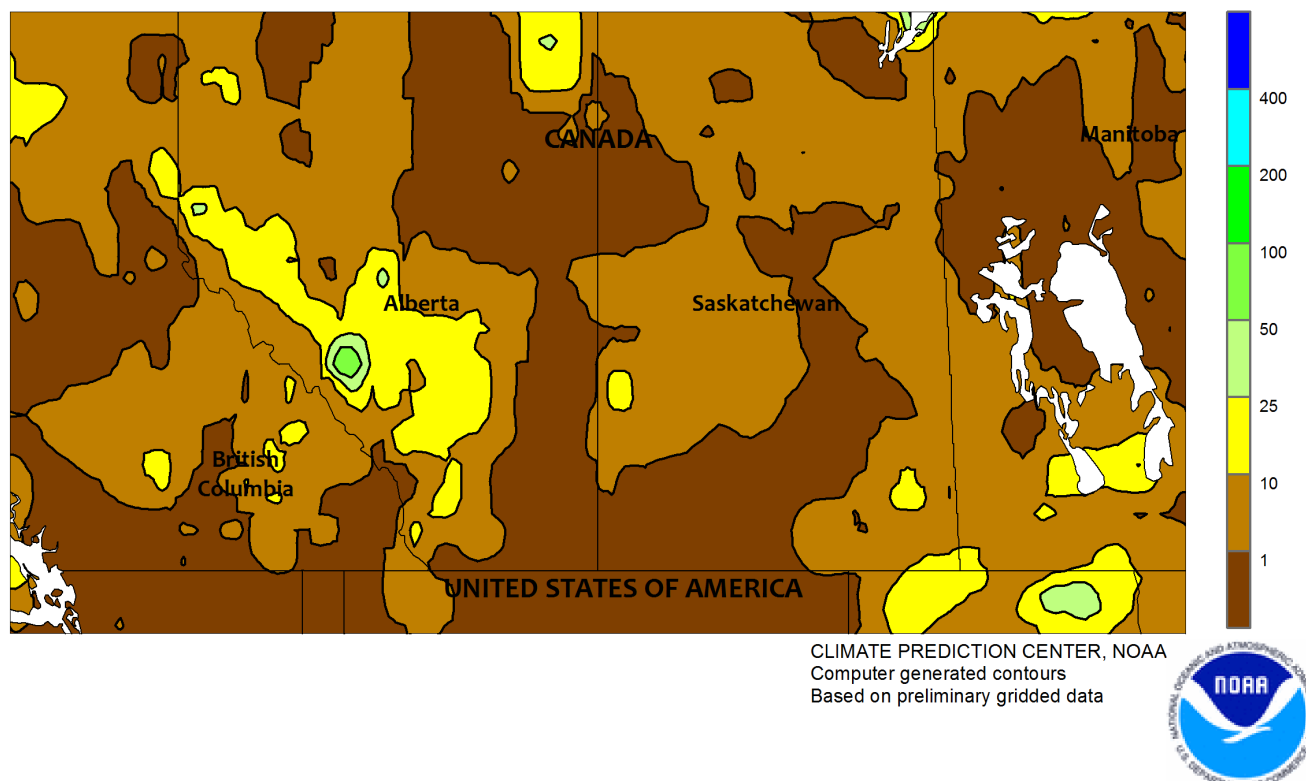


MEXICO

Monsoon showers surged northward, generating the heaviest rain thus far in the season over northwestern watersheds. Large sections of the northwest (Sinaloa, Durango, Chihuahua, and Sonora) recorded more than 50 mm with local accumulations exceeding 100 mm. The moisture also helped to temporarily lower temperatures in the northwest, with daytime highs failing to reach 35°C in areas receiving the highest amounts of rainfall. The influx of moisture into the region was aided by Hurricane Enrique, which grazed

Mexico's southern coast while generating heavy coastal rainfall (locally greater than 200 mm). Meanwhile, locally heavy rain (25-100 mm) also fell throughout eastern Mexico, increasing moisture for corn, sugarcane, and other summer crops in key production areas. Weekly temperatures averaged near to slightly below normal throughout the east, although daytime highs reaching the upper 30s (degrees C) maintained high water demands for northeastern (Coahuila to northern Tamaulipas) crops and livestock.

CANADIAN PRAIRIES
Total Precipitation (mm)
June 27 - July 3, 2021



CANADIAN PRAIRIES

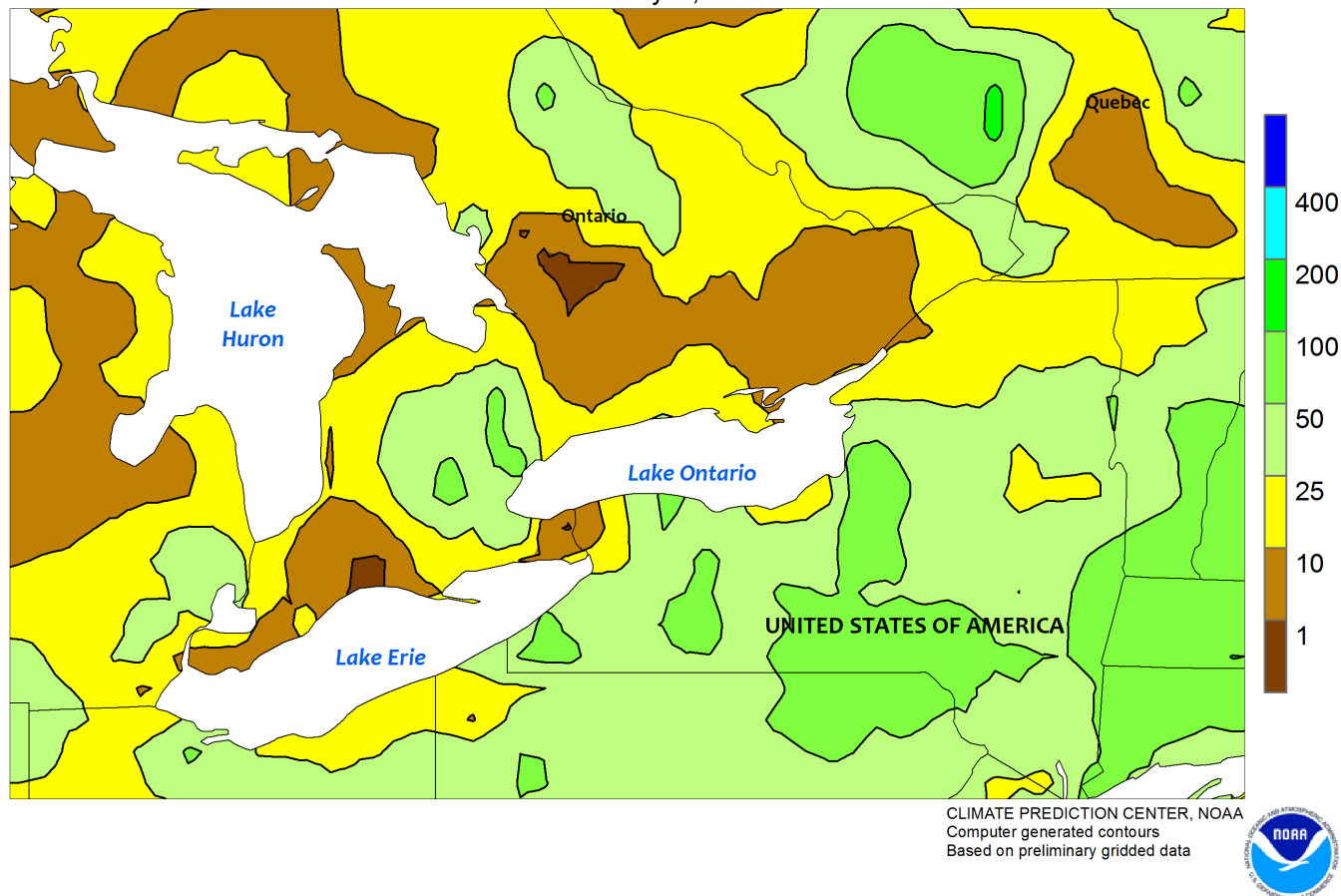
A heat wave posed significant stress on spring crops. Weekly temperatures averaged up to 10°C above normal in Alberta and neighboring locations in Saskatchewan and from 2 to 6°C above normal from central Saskatchewan eastward through Manitoba. Most locations reported daytime highs reaching the middle 30s degrees C; daytime highs of 40°C or more were recorded in parts of Saskatchewan and Alberta, including the Peace River Valley, as the dome of heat that brought record

temperatures to British Columbia (highs above 45°C on several days) pushed eastward before gradually moderating. Milder, showery weather brought some relief at week's end, though rainfall totaled less than 10 mm in locations recording some of the more intense heat. According to reports emanating from the provinces, crops and forage in many locations had already been experiencing difficulties with warmth and dryness before the arrival of the hottest weather.

SOUTHEASTERN CANADA

Total Precipitation (mm)

June 27 - July 3, 2021



SOUTHEASTERN CANADA

Warm, showery weather overspread the region, promoting rapid crop development but causing some disruptions in fieldwork. Rainfall totaled 10 to 50 mm in most locations, reflecting the recent trend of beneficial rainfall after an extended period of unseasonable dryness. Weekly temperatures averaged 1 to 3°C above normal in major

agricultural districts in both Ontario and Quebec, with most locations reporting daytime highs reaching the lower 30s (degrees C). The government of Ontario noted disease pressure on wheat impacted by recent stormy conditions in a report released on June 30 and recommended steps for combining lodged crops.

Temperature Records Broken Across Western Canada

CANADIAN PRAIRIES Extreme Maximum Temperature (°C) June 27 - July 3, 2021

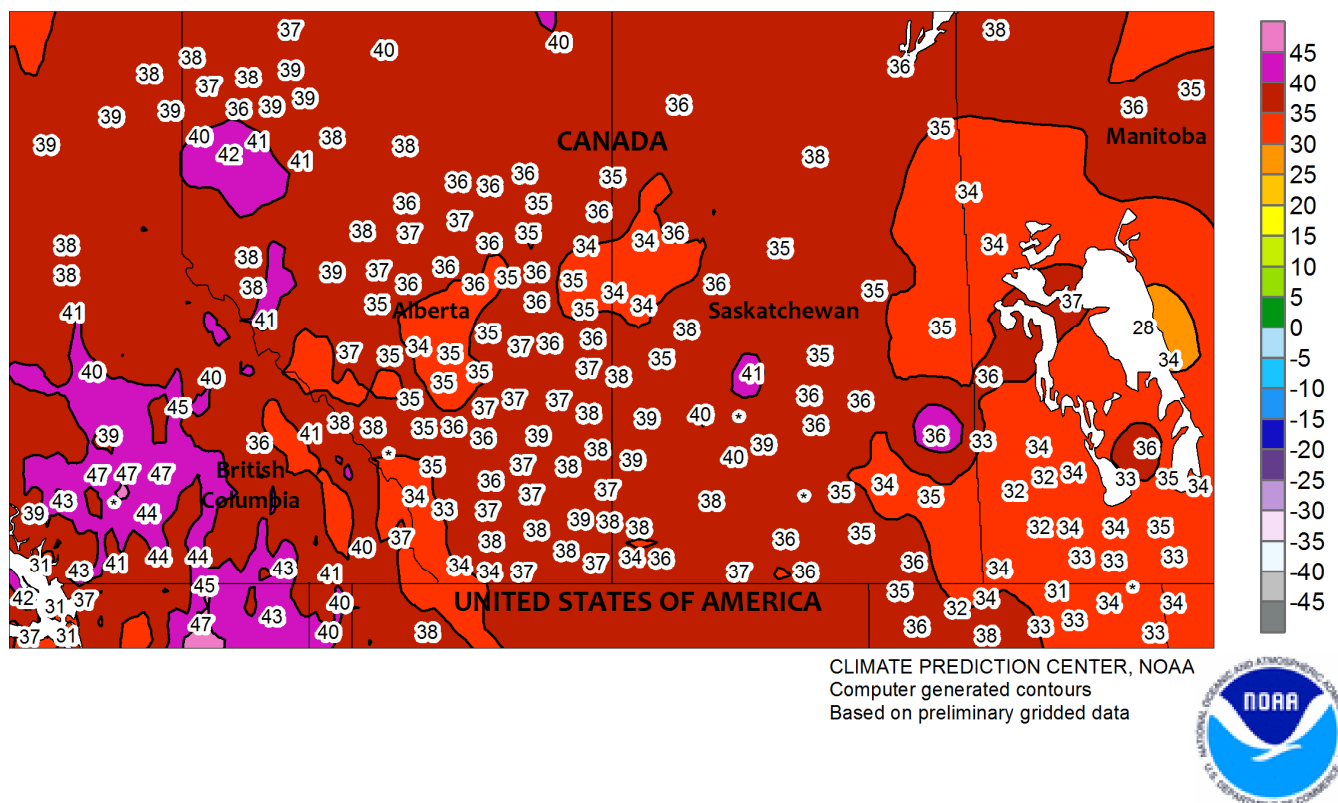


Figure 1: Maximum temperatures (°C) reached during the week ending July 3, 2021 (Climate Prediction Center).

An historic heat wave developed over southwestern Canada during the month of June, shattering temperature records before dissipating and moving eastward toward the Prairie spring grain belt (see page 33 for additional details).

Canada's all-time maximum temperature record was broken on several consecutive days. According to Environment Canada, the previous record for highest recorded temperature was 45.0°C set on July 5, 1937, at Yellow Grass and Midale, Saskatchewan. On June 29, Lytton, British Columbia, recorded a daytime high of 46.1°C, breaking the record by more than 1°C. However, the record was short-lived, as the temperature rose to 47.5°C on June 28 (1.4°C higher than the previous day) and 49.5°C (a 2°C rise) on June 29. By the time the heat wave began to abate, Lytton had shattered the all-time temperature reading by 4.5°C. As noted on Climate.gov in an [assessment of the Pacific Northwest heatwave](#), the new Canadian

record is higher than that ever recorded in Las Vegas, Nevada, which is exceptional considering Lytton lies 1,000 miles to the north at approximately 50 degrees north latitude.

Furthermore, record-breaking heat was also recorded at several other sites during the heat wave. On June 29, Environment Canada identified 6 other locations in British Columbia either breaking or tying the 1937 temperature record: Osoyoos (45.0°C), Grand Forks (45.0°C), Kelowna (45.2°C), Lillooet (46.7°C), Cache Creek (47.4°C), and Kamloops (47.3°C).

In addition to the toll on human health, the heat wave had significant environment impacts, including an elevated risk of wildfires through rapid drying of grasses and forests. Sadly, one of these fires claimed the town of Lytton just days after the record-setting temperature was recorded.

U.S. Acreage Highlights

The following information was released by USDA's Agricultural Statistics Board on June 30, 2021.

Corn planted area for all purposes in 2021 is estimated at 92.7 million acres, up 2 percent or 1.87 million acres from last year. Compared with last year, planted acreage is expected to be up or unchanged in 28 of the 48 estimating states. Area harvested for grain, at 84.5 million acres, is up 2 percent from last year.

Soybean planted area for 2021 is estimated at 87.6 million acres, up 5 percent from last year. Compared with last year, planted acreage is up or unchanged in 28 of the 29 estimating states.

All wheat planted area for 2021 is estimated at 46.7 million acres, up 5 percent from 2020. This represents the fourth-lowest planted area since records began in 1919.

The 2021 winter wheat planted area, at 33.7 million acres, is up 11 percent from last year and up 2 percent from the previous estimate. Of this total, about 23.6 million acres are Hard Red Winter, 6.59 million acres are Soft Red Winter, and 3.50 million acres are White Winter. Area expected to be planted to other spring wheat for 2021 is estimated at 11.6 million acres, down 5 percent from 2020. Of this total, about 10.8 million acres are Hard Red Spring wheat. Durum planted area for 2021 is expected to total 1.48 million acres, down 12 percent from the previous year.

All cotton planted area for 2021 is estimated at 11.7 million acres, down 3 percent from 2020. Upland area is estimated at 11.6 million acres, down 3 percent from 2020. American Pima area is estimated at 142,000 acres, down 30 percent from 2020.

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