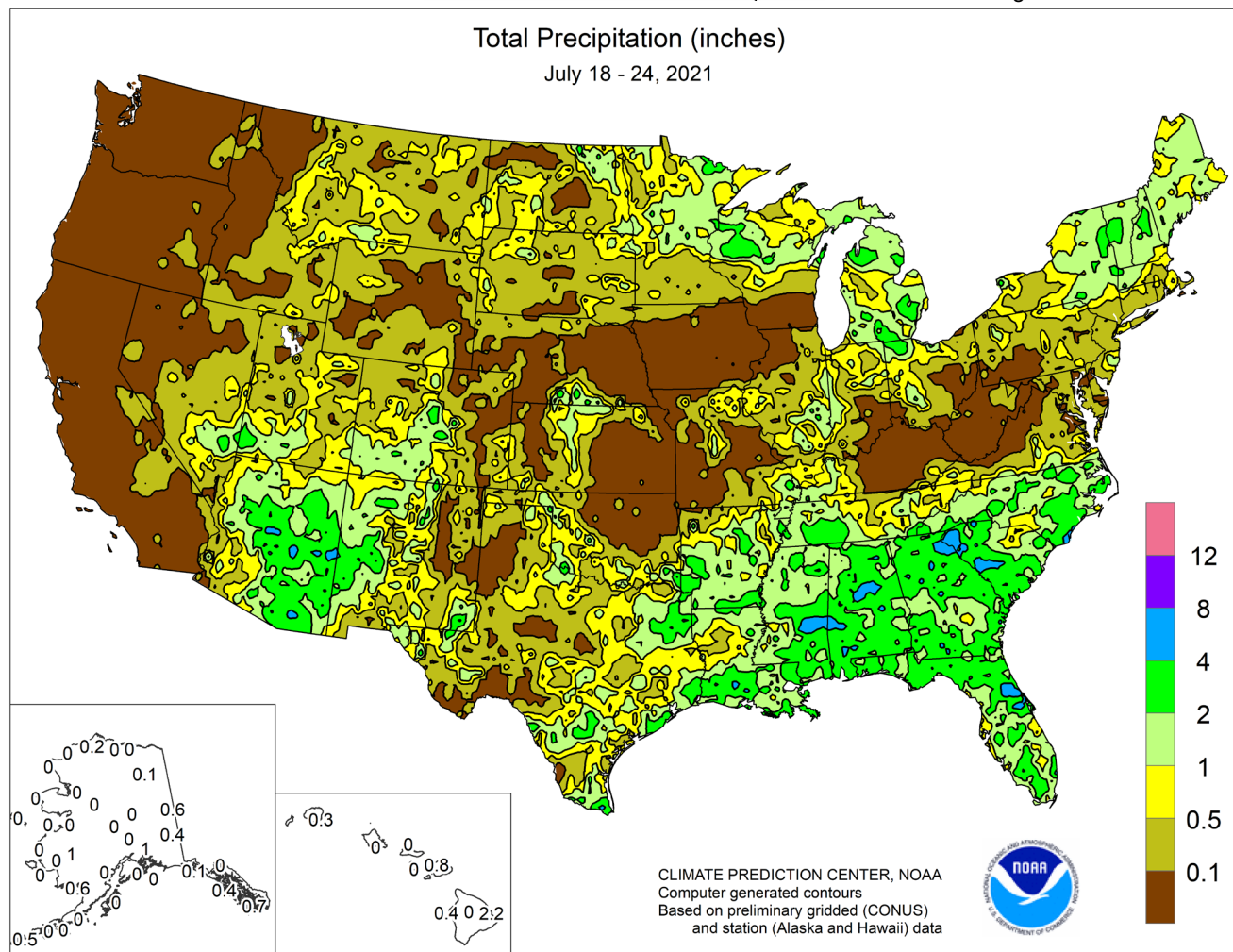


WEEKLY WEATHER AND CROP BULLETIN

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

July 18 – 24, 2021

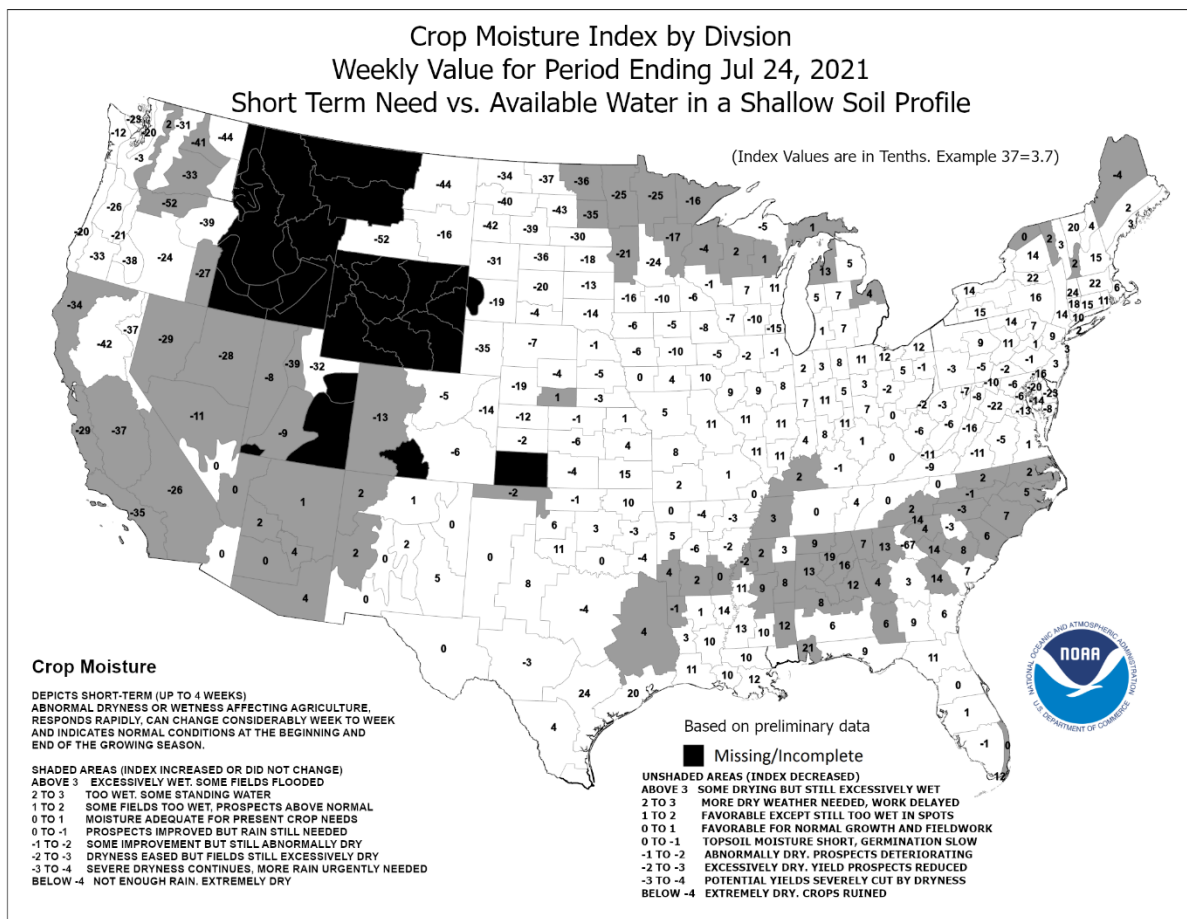
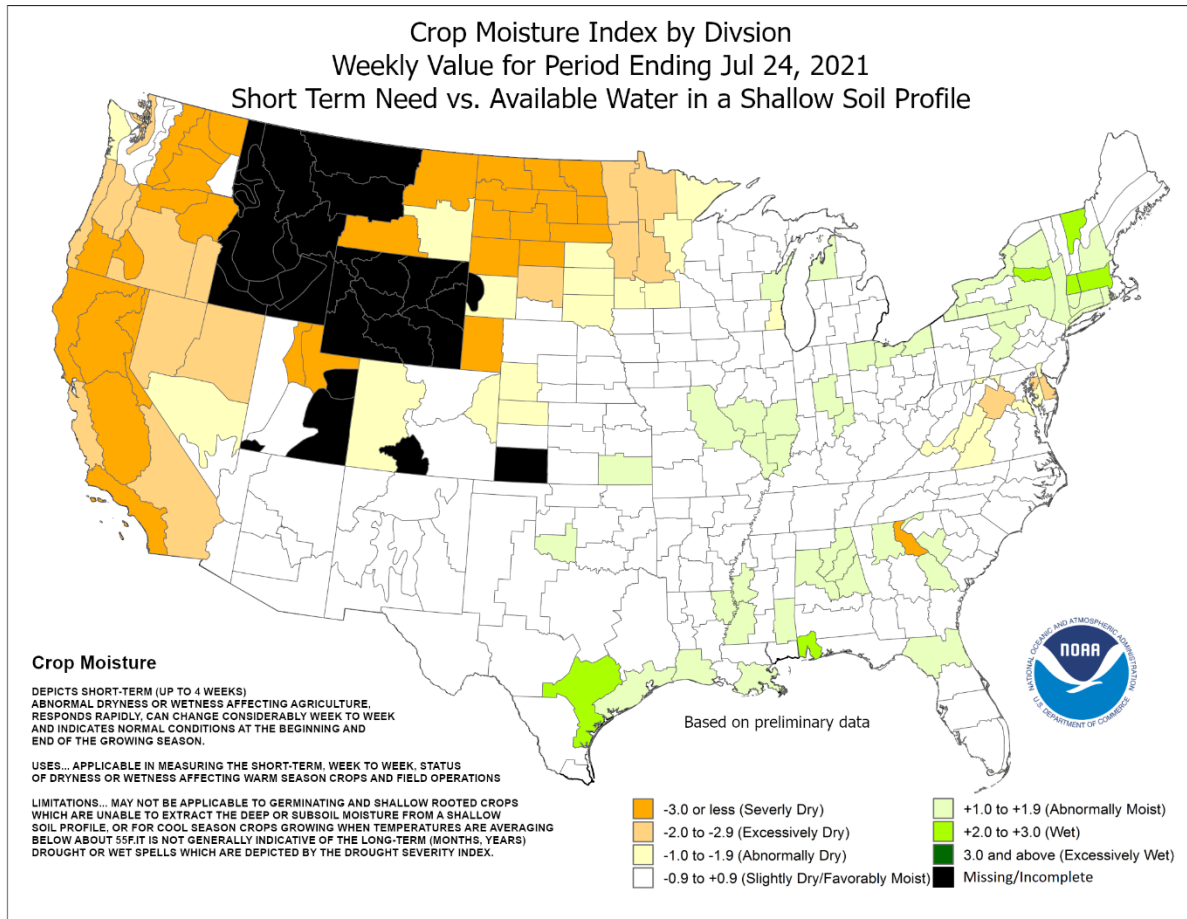
Highlights provided by USDA/WAOB

Continuing a trend that developed in mid-July, mostly dry weather covered the **Midwest**. Dryness was not yet a concern in the previously well-watered **southern and eastern Corn Belt**. However, reproductive corn and soybeans in drier areas of the **upper Midwest** were subjected to increasing levels of stress, especially as temperatures began to rise. A hotter, drier pattern also developed across the **central and southern Plains**, although any impacts were tempered by mostly abundant soil moisture reserves. In contrast, significant rain fell in

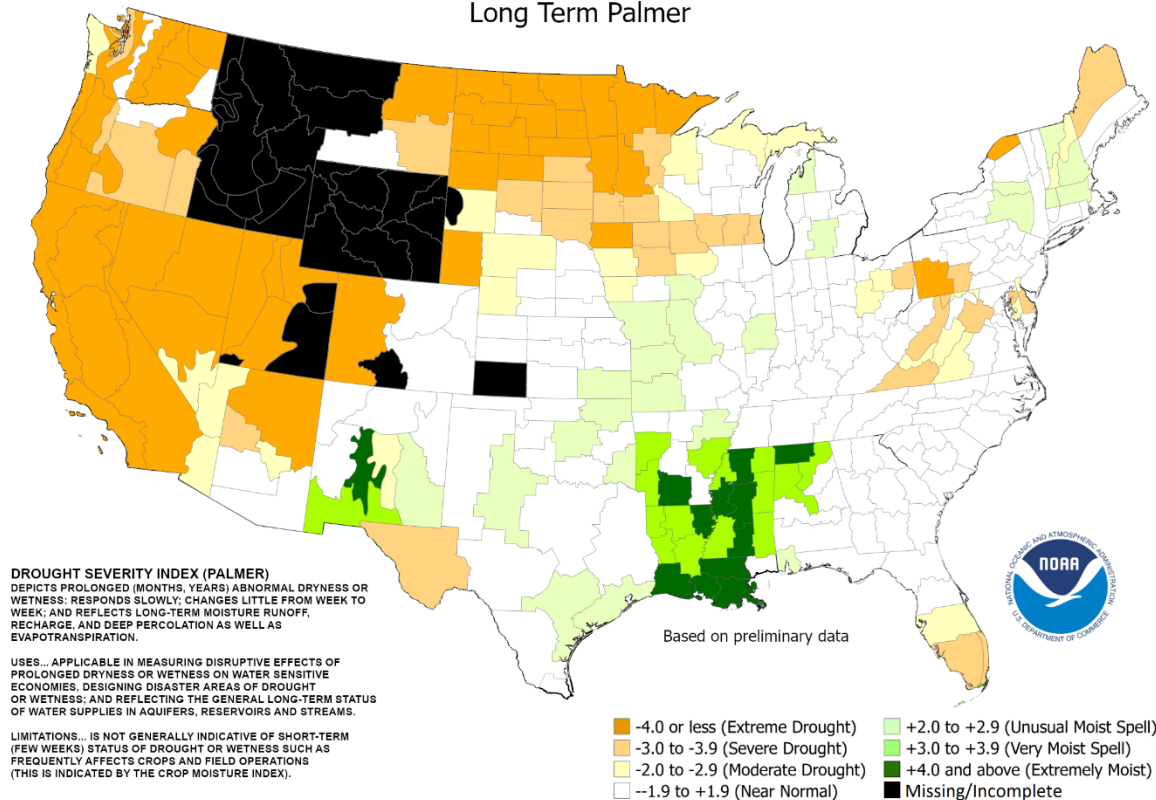
Contents

Crop Moisture Maps.....	2
Palmer Drought Maps	3
Extreme Maximum & Minimum Temperature Maps.....	4
Temperature Departure Map	5
July 20 Drought Monitor & Pan Evaporation Map	6
Growing Degree Day Maps.....	7
National Weather Data for Selected Cities	9
National Agricultural Summary	12
Crop Progress and Condition Tables.....	13
International Weather and Crop Summary	20
Bulletin Information & July 21 Satellite Image of Smoke from Dixie Fire	34

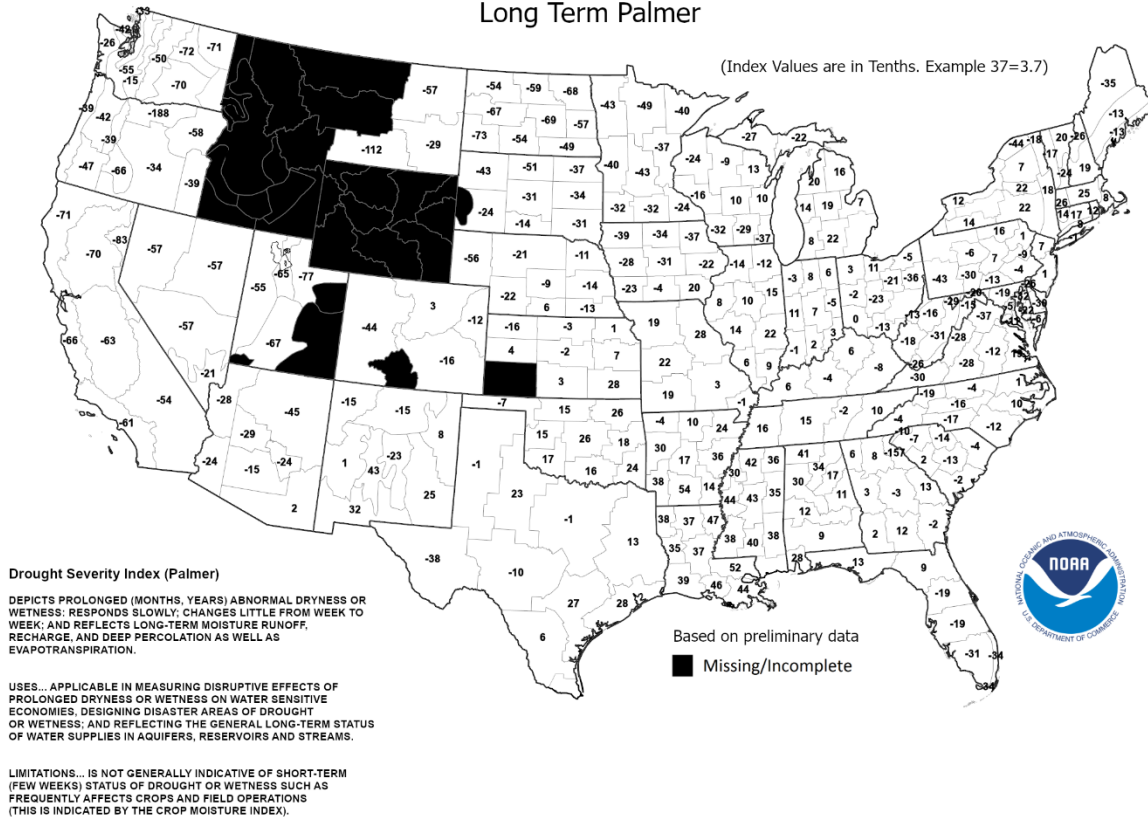
(Continued on page 5)

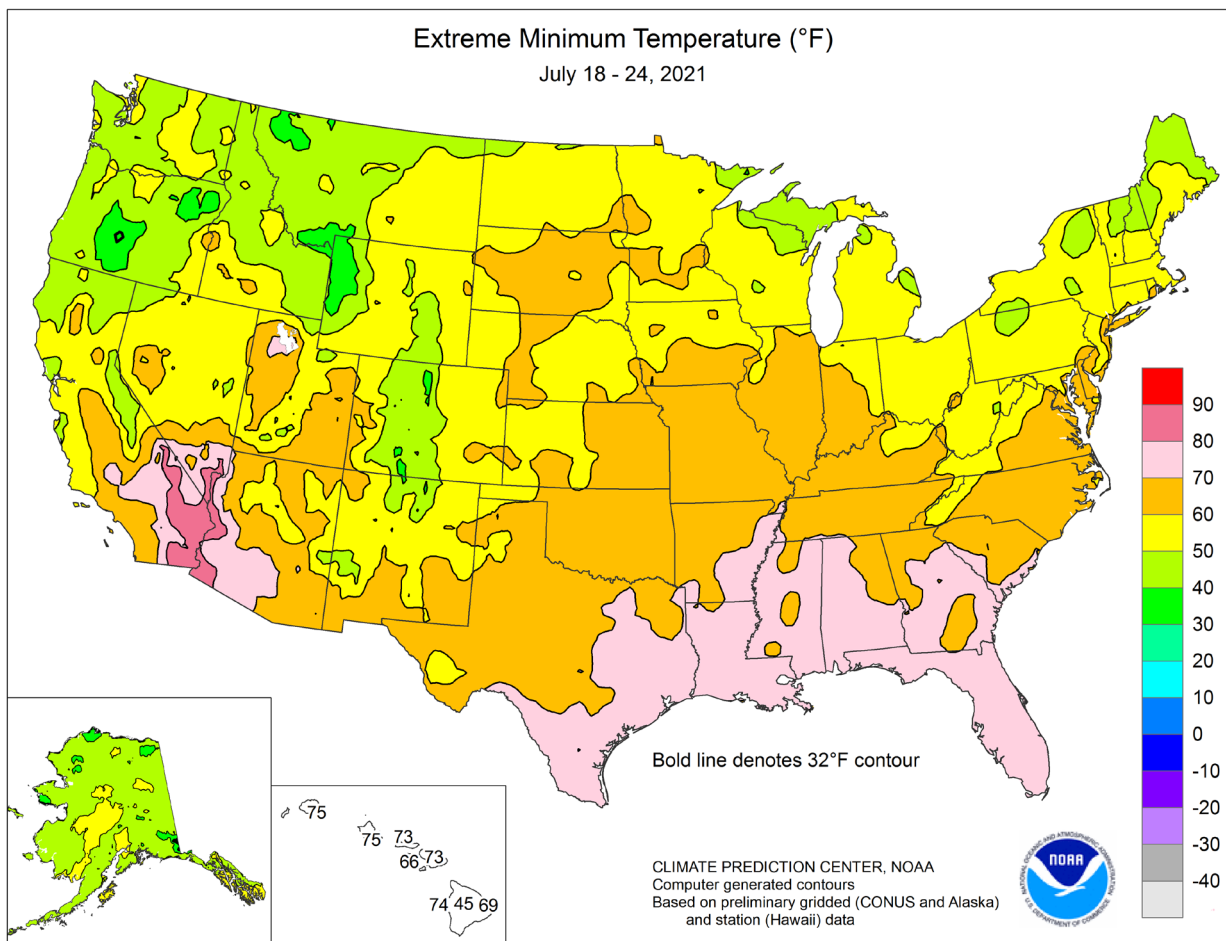
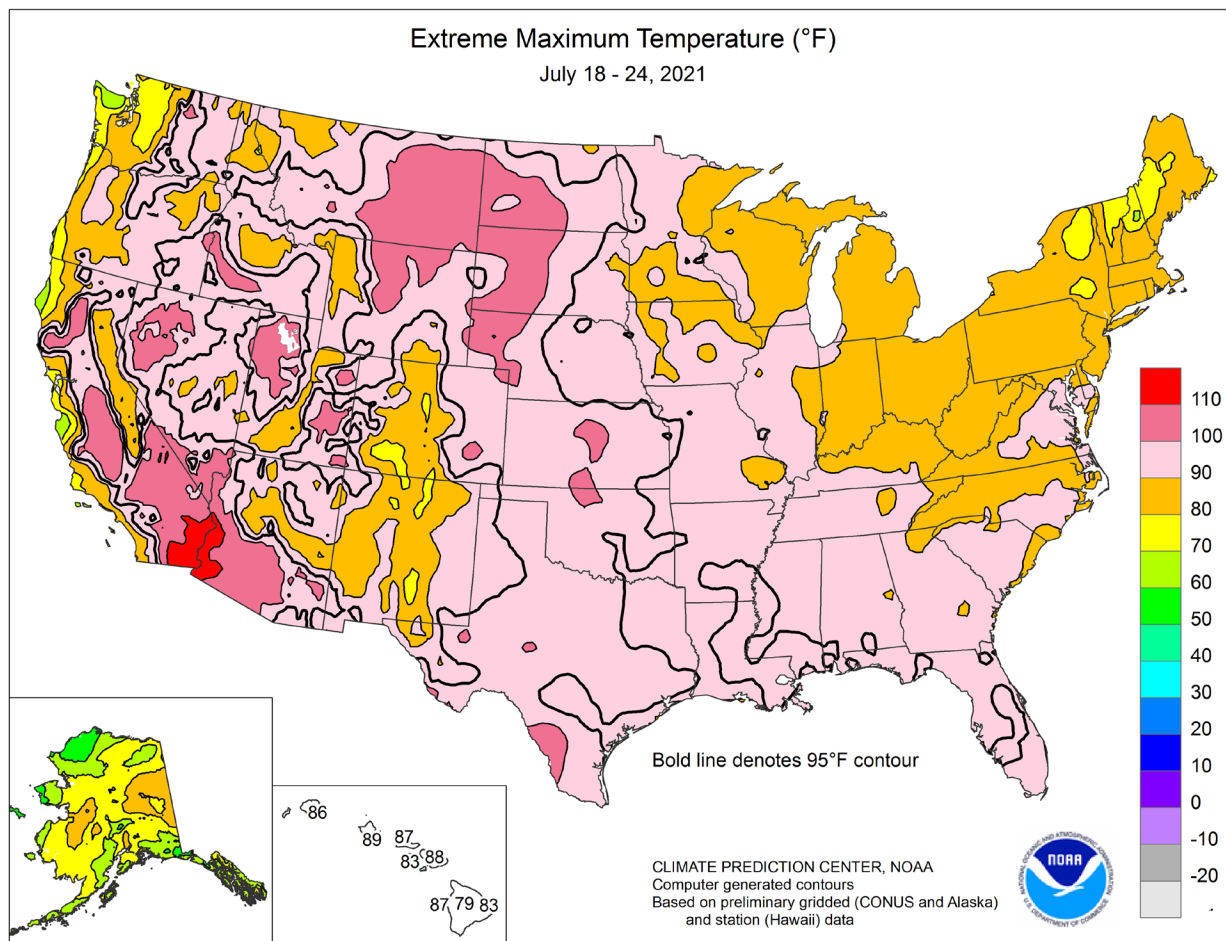


Drought Severity Index by Division Weekly Value for Period Ending Jul 24, 2021 Long Term Palmer



Drought Severity Index by Division Weekly Value for Period Ending Jul 24, 2021 Long Term Palmer



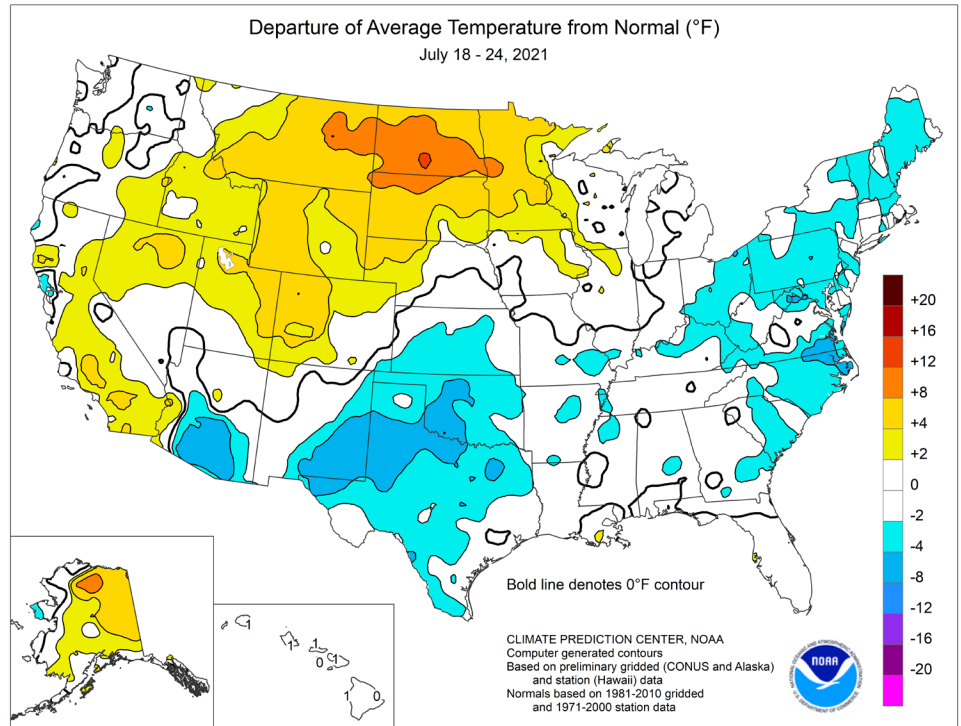


(Continued from front cover)

parts of the **Northeast**, **Southeast**, and **Southwest**. The monsoon-related **Southwestern** rainfall, heaviest across **Arizona** and portions of neighboring states, provided limited drought relief but sparked flash flooding. The **Southeastern** rain, which maintained abundant moisture reserves for pastures and summer crops, primarily fell from the **Mississippi Delta to the southern Atlantic Coast**. Elsewhere, dozens of wildfires continued to burn from **northern California to the northern Rockies**, with containment efforts hampered by heat, erratic winds, and drought-cured vegetation. **Oregon's** third-largest wildfire in modern history, the Bootleg Fire, has burned more than 400,000 acres of timber and brush. **California's** largest active blaze, the Dixie Fire, has charred nearly 200,000 acres only about 15 miles northeast of the town of **Paradise**, which was devastated by the Camp Fire in 2018. The country remained generally split between hot weather in much of the **North and West** and near- or below-normal temperatures across the **South and East**. The core area of extreme heat made another eastward shift across the **northern Plains**, where weekly temperatures averaged at least 10°F above normal in several locations. Hot weather also returned across drier areas of the **upper Midwest**, including **Minnesota**. However, near- or below-normal temperatures dominated the **Ohio Valley** and the **middle and northern Atlantic States**, while temperatures averaged as much as 5°F below normal on the **southern Plains**. In addition, monsoon-related cloudiness and showers helped to suppress **Southwestern** temperatures.

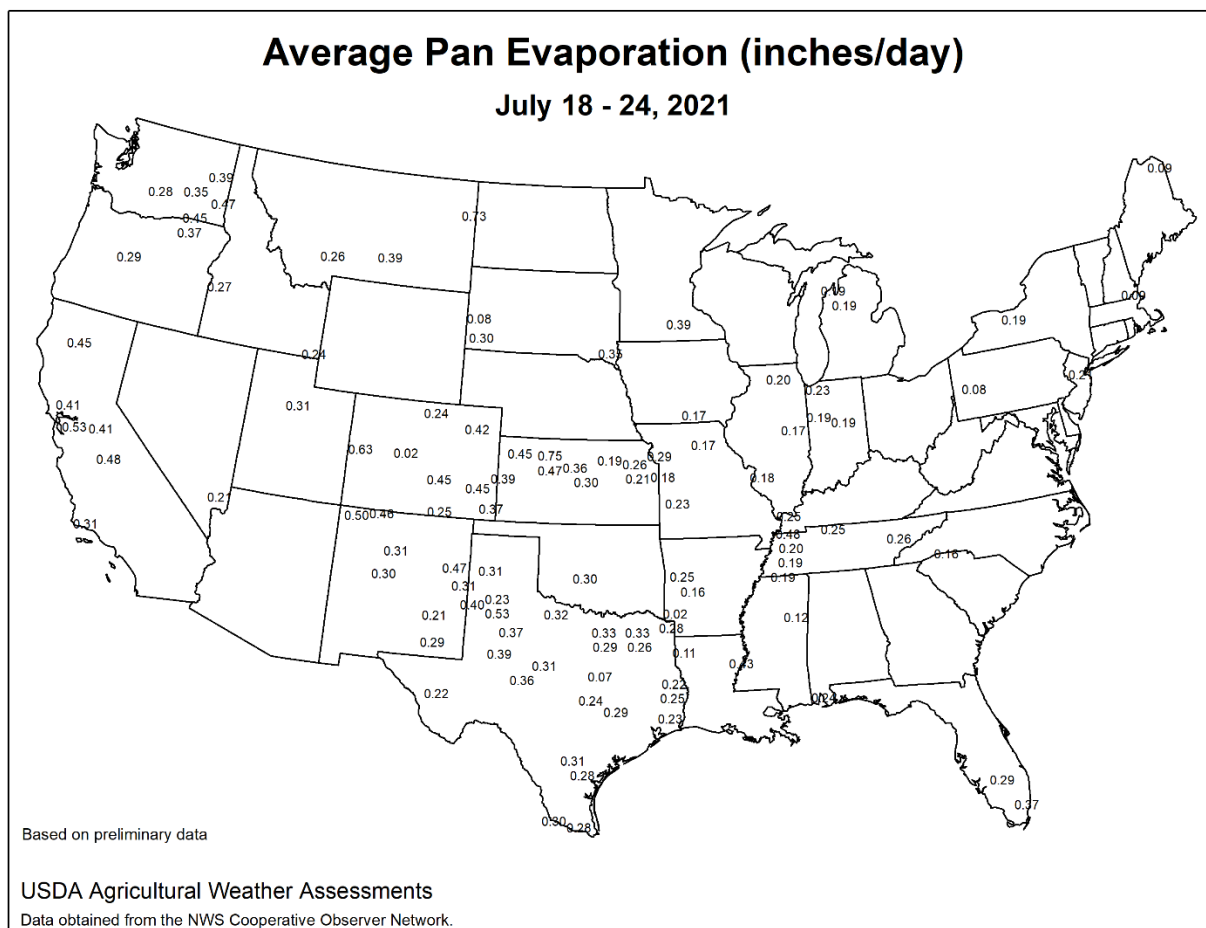
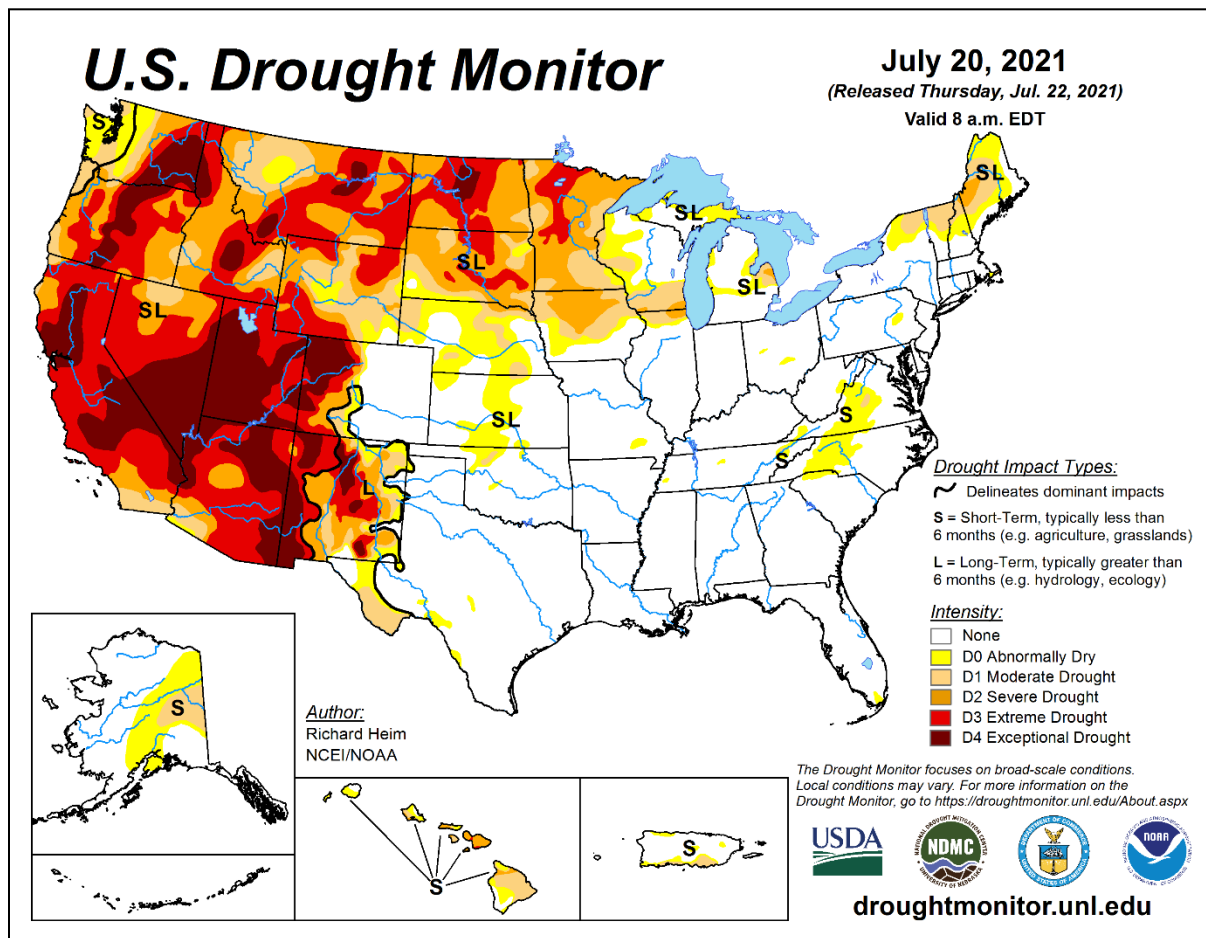
Early-week **Western** heat pushed temperatures to daily-record levels for July 18 in locations such as **Salt Lake City, UT** (104°F), and **Helena, MT** (102°F). The following day, on July 19, **Glasgow, MT**, experienced its hottest day since 1936. In fact, **Glasgow's** high of 110°F was the third-highest temperature (tied with June 17, 1933) on record in that location, behind only 113°F on July 31, 1900, and 112°F on July 18, 1936. Elsewhere in **Montana**, record-setting highs for July 19 soared to 107°F in **Billings** and 102°F in **Livingston**. On the same date in **Wyoming**, daily-record highs surged to 107°F in **Greybull**, 106°F in **Worland**, and 104°F in **Sheridan**. For a few days thereafter, record-setting heat retreated southward. In **Florida**, daily-record highs for July 22 reached 97°F in **Orlando** and **Fort Myers**. **New Orleans, LA**, notched a daily record-tying high (98°F) for July 24. Late in the week, hot weather again shifted toward the **northern Plains** and environs. On July 23, daily records were tied in **International Falls, MN** (92°F), and at the National Weather Service office in **Grand Forks, ND** (97°F). Drought in **Montana** resulted in large diurnal temperature variations; in **Havre**, for example, a daily-record low of 43°F occurred on July 23, in the midst of a string of at least 13 consecutive days (July 14-26) with highs of 90°F or greater.

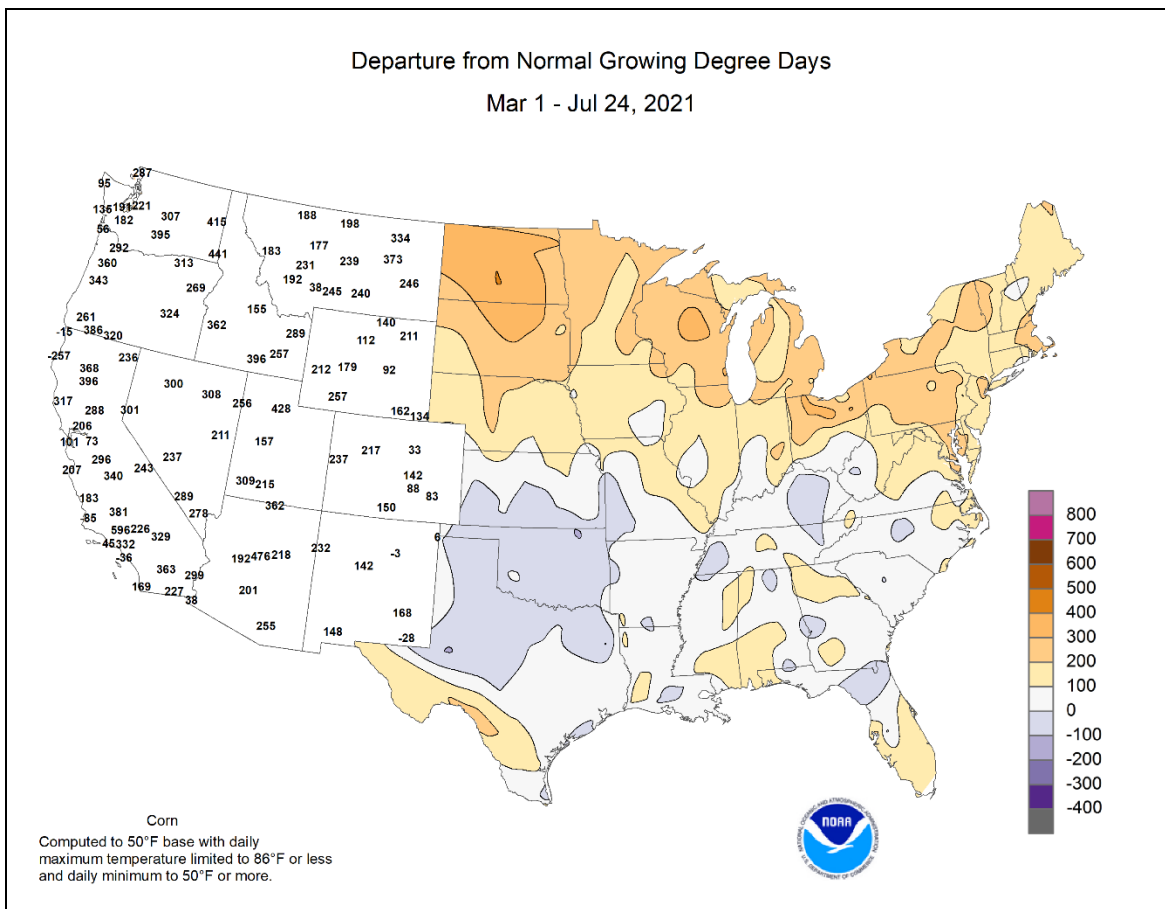
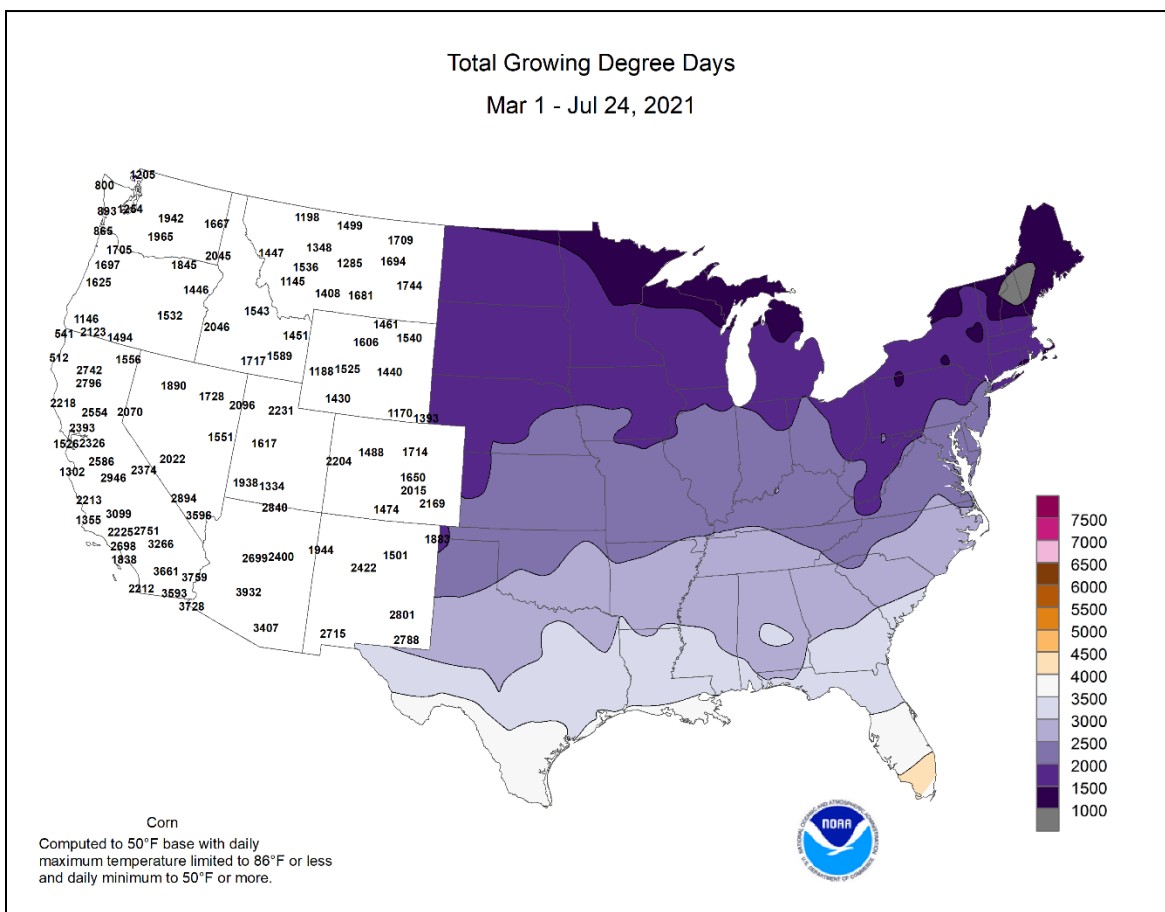
As the week began, heavy showers peppered the **South and East**. Record-setting rainfall totals for July 18 included 3.10 inches in **Cape Girardeau, MO**; 2.77 inches in **Jackson, TN**; and 1.84 inches in **Concord, NH**. **Worcester, MA**, also netted a daily-record amount

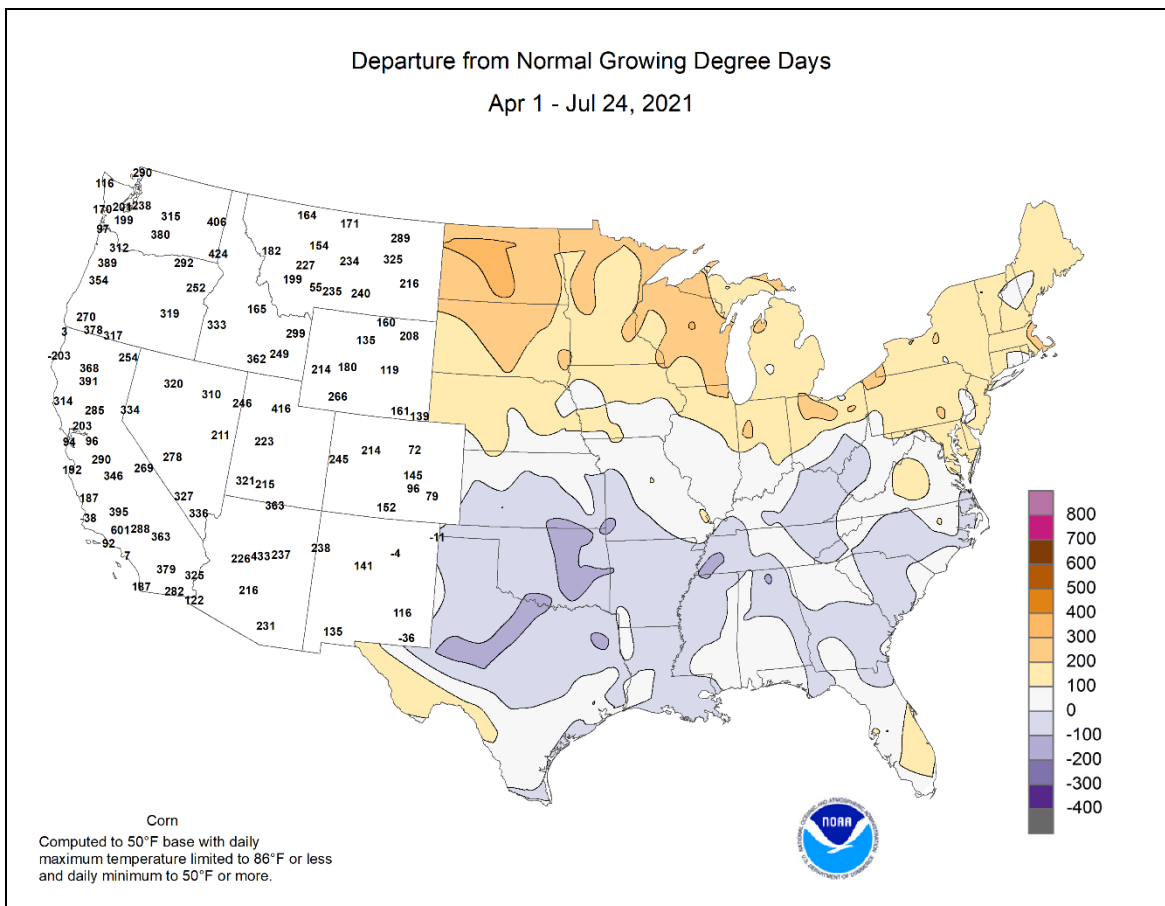
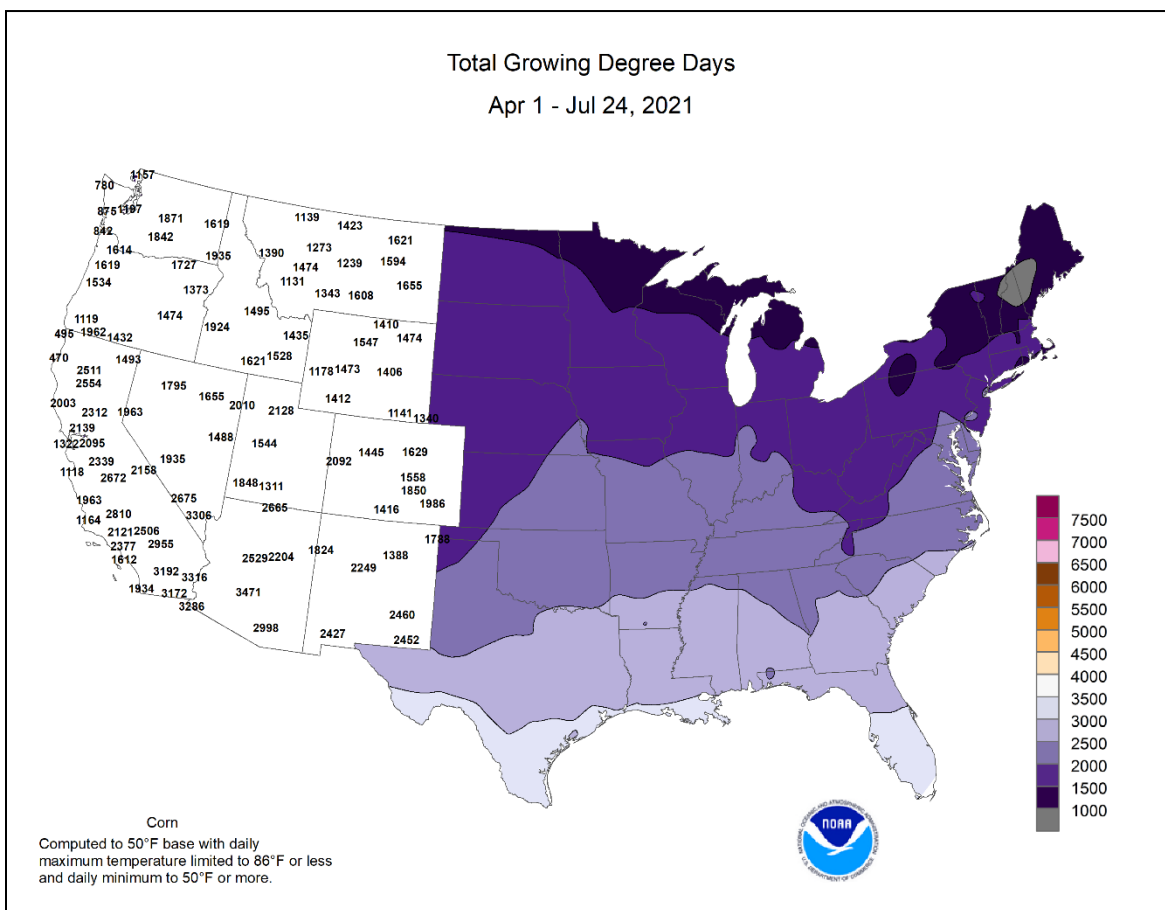


(1.74 inches) for July 18, helping to set a July rainfall record. **Worcester's** month-to-date total (through the 24th), 12.70 inches, eclipsed the July 1938 record of 11.24 inches. Rain lingered across the **South**, where daily-record totals for July 19 topped the 2-inch mark in **Tyler, TX** (3.53 inches); **El Dorado, AR** (3.01 inches); **North Myrtle Beach, SC** (2.40 inches), and **Huntsville, AL** (2.30 inches). **Alma, GA**, recorded thunderstorm-related wind gusts to 43 mph on consecutive days, July 18 and 19. Meanwhile, spotty showers developed across the **Northwest**, where daily-record totals for July 20 reached 1.48 inches in **Choteau, MT**, and 1.19 inches in **Laramie, WY**. More organized rain fell, however, in the **Southwest**. At **Utah's Capitol Reef National Park**, 1.07 inches fell in a 24-hour period on July 20-21. Elsewhere in **Utah**, **Bryce Canyon Airport** collected 1.53 inches in 24 hours on July 22-23. In **Arizona**, **Tucson** received 4.20 inches in a 6-day period from July 20-25, topping its record-low 2020 annual sum of 4.17 inches. Farther north, some late-week thunderstorms ripped through the **Great Lakes region**, generating high winds, isolated tornadoes, and heavy rain. On July 24 in **Michigan**, daily-record amounts totaled 3.36 inches in **Traverse City** and 2.24 inches in **Flint**. For **Traverse City**, it was the second-wettest July day on record, behind 4.01 inches on July 5, 1999.

Warmth gradually shifted into the **eastern half of Alaska**, while much of the state received showers of variable intensity. As the week began, however, record-setting high temperatures for July 18 occurred in **southern and western Alaskan** locations such as **Anchorage** (81°F), **Bethel** (78°F), and **Cold Bay** (68°F). **Fairbanks** experienced high temperatures of 80°F or higher each day from July 15-22, except the 18th, followed by rainfall totaling 1.45 inches on July 23-24. **King Salmon** netted a daily-record rainfall of 1.01 inches on July 20. Farther south, **Hawaii** continued to experience warm weather, with showers mostly limited to windward locations. On the **Big Island**, **Hilo's** month-to-date (July 1-24) rainfall climbed to 5.73 inches (82 percent of normal), aided by a weekly sum of 2.52 inches. On **Maui**, however, **Kahului's** last measurable rainfall occurred on May 20.







National Weather Data for Selected Cities

Weather Data for the Week Ending July 24, 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	68	57	81	55	63	4	0.52	0.07	0.23	1.32	57	5.16	91	86	58	0	0	5	0
	BARROW	44	37	55	35	41	0	0.32	0.09	0.13	0.79	71	1.72	88	94	81	0	0	5	0
	FAIRBANKS	79	58	87	51	69	6	1.42	0.90	1.34	2.66	87	6.62	124	82	36	0	0	2	1
	JUNEAU	65	53	77	50	59	2	0.39	-0.71	0.18	8.57	128	36.76	140	90	64	0	0	4	0
	KODIAK	62	55	72	54	59	3	0.04	-1.06	0.02	9.78	99	42.83	104	88	73	0	0	2	0
	NOME	54	45	60	37	50	-3	0.76	0.23	0.54	3.27	131	7.67	114	91	71	0	0	4	1
AL	BIRMINGHAM	89	73	93	71	81	-1	2.39	1.28	2.24	14.45	176	42.25	131	93	59	4	0	2	1
	HUNTSVILLE	88	72	92	71	80	-1	4.32	3.46	2.30	13.85	183	40.01	125	96	61	3	0	4	3
	MOBILE	89	74	93	72	81	-1	2.71	1.06	1.53	20.40	174	49.22	127	100	63	3	0	5	1
	MONTGOMERY	88	73	93	71	80	-2	2.28	1.09	1.05	11.95	144	31.49	99	97	63	3	0	6	2
AR	FORT SMITH	91	72	96	67	82	-1	3.92	3.23	3.92	10.80	157	30.87	118	94	50	3	0	1	1
	LITTLE ROCK	89	73	92	71	81	-2	1.28	0.58	1.00	10.69	171	29.50	104	93	55	3	0	4	1
AZ	FLAGSTAFF	78	56	82	53	67	0	3.58	2.89	1.80	5.47	248	13.33	129	98	44	0	0	5	2
	PHOENIX	100	83	109	73	91	-3	1.15	0.86	0.80	1.69	218	2.52	61	65	36	5	0	3	1
	PRESCOTT	83	64	85	62	73	-3	1.02	0.45	0.57	2.12	111	4.78	73	89	48	0	0	2	1
CA	TUCSON	95	76	102	70	86	-1	0.75	0.14	0.51	2.42	133	3.44	68	79	38	5	0	3	1
	BAKERSFIELD	102	77	105	74	90	5	0.00	0.00	0.00	0.00	0	1.97	44	33	12	7	0	0	0
	EUREKA	60	50	62	49	55	-3	0.00	-0.04	0.00	1.54	162	13.70	58	94	87	0	0	0	0
	FRESNO	103	74	106	71	88	5	0.00	0.00	0.00	0.00	0	5.11	64	43	11	7	0	0	0
CO	LOS ANGELES	76	65	78	65	71	1	0.00	0.00	0.00	0.00	0	3.20	36	91	63	0	0	0	0
	REDDING	102	68	106	65	85	2	0.00	-0.02	0.00	0.00	0	9.18	44	41	9	7	0	0	0
	SACRAMENTO	96	61	99	57	79	3	0.00	0.00	0.00	0.00	0	4.49	37	75	18	7	0	0	0
	SAN DIEGO	79	71	81	70	75	4	0.00	-0.01	0.00	0.01	11	3.51	49	79	58	0	0	0	0
	SAN FRANCISCO	69	55	73	54	62	-2	0.00	0.00	0.00	0.00	0	5.43	41	87	56	0	0	0	0
	STOCKTON	96	62	99	60	79	2	0.00	0.00	0.00	0.00	0	5.91	65	70	17	7	0	0	0
	ALAMOSA	86	51	89	49	69	4	0.27	0.04	0.26	1.96	156	4.70	131	94	27	0	0	2	0
	CO SPRINGS	87	61	94	56	74	3	0.19	-0.55	0.12	4.56	99	12.12	123	78	28	2	0	3	0
	DENVER INTL	94	64	97	58	79	4	0.02	-0.54	0.02	1.12	31	10.48	113	71	22	6	0	1	0
	GRAND JUNCTION	97	71	101	68	84	6	0.04	-0.11	0.04	0.28	30	2.31	47	54	19	7	0	1	0
CT	PUEBLO	94	62	99	59	78	2	0.25	-0.27	0.25	2.87	98	10.04	133	77	21	6	0	1	0
	BRIDGEPORT	83	67	86	64	75	0	0.37	-0.43	0.30	9.67	157	25.66	107	83	52	0	0	2	0
DC	HARTFORD	83	63	87	58	73	-1	0.67	-0.31	0.63	12.37	165	28.94	114	90	48	0	0	2	1
	WASHINGTON	88	71	94	68	80	-1	0.46	-0.35	0.43	8.66	130	24.55	108	72	40	3	0	2	0
DE	WILMINGTON	85	65	88	61	75	-2	0.29	-0.74	0.24	3.56	47	20.08	82	89	47	0	0	2	0
FL	DAYTONA BEACH	91	73	94	72	82	0	3.39	2.14	1.34	11.05	107	21.28	84	94	60	5	0	5	3
	JACKSONVILLE	91	73	93	72	82	-1	2.36	0.81	1.87	15.51	134	31.06	114	100	58	6	0	4	1
	KEY WEST	89	81	92	75	85	1	1.22	0.43	1.22	9.59	139	15.22	87	85	67	3	0	1	1
	MIAMI	91	79	94	77	85	1	1.30	0.01	0.48	16.44	111	27.06	90	88	61	7	0	5	0
	ORLANDO	94	76	97	74	85	2	2.63	0.99	1.64	11.27	85	22.60	81	93	51	7	0	5	1
	PENSACOLA	91	77	97	75	84	2	1.99	0.29	0.88	19.46	158	48.33	132	94	62	4	0	5	1
GA	TALLAHASSEE	91	73	96	72	82	0	1.28	-0.31	0.50	9.93	75	26.91	77	97	56	4	0	5	1
	TAMPA	94	79	97	78	87	4	0.97	-0.56	0.50	18.81	154	27.81	114	84	54	7	0	4	1
	WEST PALM BEACH	90	77	92	75	83	1	2.24	1.05	0.81	11.41	89	18.07	57	89	63	5	0	4	3
	ATHENS	89	72	94	71	81	0	1.46	0.45	1.20	8.93	116	27.44	102	91	58	4	0	4	1
	ATLANTA	87	73	91	71	80	-1	2.58	1.41	1.40	11.77	143	31.55	109	92	57	3	0	4	2
	AUGUSTA	91	72	94	70	81	-1	2.56	1.56	0.98	13.66	169	33.62	131	96	55	5	0	4	3
HI	COLUMBUS	89	73	93	71	81	-2	0.49	-0.54	0.34	7.96	106	28.43	101	94	55	3	0	4	0
	MACON	91	73	93	71	82	-1	1.49	0.37	0.80	10.35	130	27.18	101	96	58	6	0	5	1
	SAVANNAH	88	73	91	71	80	-2	1.99	0.70	0.68	13.02	128	27.88	106	100	63	2	0	5	2
	HILO	82	71	83	69	76	0	2.24	-0.34	0.95	7.59	48	76.62	113	94	68	0	0	7	2
	HONOLULU	87	77	89	75	82	1	0.00	-0.13	0.00	0.15	21	9.31	112	74	48	0	0	0	0
	KAHULUI	87	73	88	73	80	1	0.76	0.63	0.76	0.76	122	13.93	137	86	51	0	0	1	1
IA	LIHUE	84	76	86	75	80	1	0.27	-0.18	0.06	2.65	88	21.62	115	87	59	0	0	6	0
	BURLINGTON	87	67	92	64	77	0	0.01	-0.92	0.01	10.11	129	25.13	113	99	57	1	0	1	0
	CEDAR RAPIDS	87	63	92	59	75	2	0.00	-0.96	0.00	3.20	37	10.01	50	96	52	1	0	0	0
ID	DES MOINES	88	68	93	64	78	1	0.00	-0.97	0.00	4.97	58	12.98	59	90	48	2	0	0	0
	DUBUQUE	84	64	89	58	74	2	0.00	-0.94	0.00	5.68	73	13.91	67	95	58	0	0	0	0
	SIOUX CITY	89	63	96	55	76	1	0.00	-0.76	0.00	2.70	41	12.24	74	91	43	2	0	0	0
	WATERLOO	90	64	94	58	77	3	0.00	-1.06	0.00	2.07	23	10.01	47	92	46	4	0	0	0
	BOISE	95	67	101	60	81	4	0.04	-0.03	0.04	0.79	78	6.43	88	50	14	7	0	1	0
	LEWISTON	92	64	98	57	78	2	0.01	-0.11	0.01	0.42	23	3.21	41	44	15	5	0	1	0
IL	POCATELLO	93	57	100	50	75	4	0.00	-0.15	0.00	0.01	0	4.92	66	67	18	7	0	0	0
	CHICAGO/O'HARE	85	67	92	63	76	2	0.12	-0.75	0.12	8.11	131	14.14	73	89	54	1	0	1	0
	MOLINE	89	67	93	61	78	2	0.00	-0.91	0.00	6.46	81	22.43	102	92	54	2	0	0	0
IN	PEORIA	88	69	93	65	78	3	0.24	-0.61	0.24	7.73	119	25.96	124	91	54	1	0	1	0
	ROCKFORD	87	67	94	63	77	3	0.02	-0.86	0.01	3.22	41	11.33	56	84	48	3	0	2	0
	SPRINGFIELD	87	68	92	64	77	1	0.01	-0.89	0.01	9.11	119	27.18	125	94	56	1	0	1	0
	EVANSVILLE	86	67	90	65	77	-1	0.17	-0.69	0.17	6.30	91	24.33	89	95	58	1	0	1	0
	FORT WAYNE	82	63	86	58	73	-1	0.18	-0.77	0.16	11.16	148	24.48	110	95	58	0	0	2</	

Weather Data for the Week Ending July 24, 2021

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	90 AND ABOVE	32 AND BELOW	PRECIP	
																			.01 INCH OR MORE	.50 INCH OR MORE
KY	WICHITA	90	67	97	62	79	-3	0.00	-0.66	0.00	6.72	85	19.22	97	90	43	3	0	0	0
	LEXINGTON	83	62	85	58	73	-4	0.00	-1.11	0.00	11.41	140	32.82	119	93	49	0	0	0	0
	LOUISVILLE	88	70	90	68	79	-1	0.00	-1.00	0.00	9.20	130	30.13	112	81	43	1	0	0	0
LA	PADUCAH	87	70	93	67	78	-1	1.61	0.62	1.61	9.75	128	32.68	113	92	54	1	0	1	1
	BATON ROUGE	90	74	94	71	82	-1	0.72	-0.59	0.54	16.77	153	52.54	160	98	61	6	0	2	1
	LAKE CHARLES	91	76	94	73	83	0	1.29	0.11	0.77	13.32	118	48.15	149	100	58	6	0	4	1
MA	NEW ORLEANS	93	79	98	77	86	3	0.47	-0.76	0.29	17.91	140	59.16	159	88	57	6	0	3	0
	SHREVEPORT	91	75	94	72	83	0	0.80	0.08	0.75	7.91	95	33.43	109	88	53	6	0	3	1
	BOSTON	79	67	88	64	73	-1	0.30	-0.51	0.30	11.45	183	27.52	113	84	56	0	0	1	0
MD	WORCESTER	77	62	82	59	69	-1	1.77	0.76	1.74	14.13	190	30.70	115	89	56	0	0	2	1
	BALTIMORE	89	65	95	60	77	0	0.07	-0.87	0.07	4.80	73	21.13	89	84	38	3	0	1	0
	CARIBOU	76	55	84	50	66	0	1.35	0.45	0.80	6.04	90	18.71	93	92	51	0	0	3	1
ME	PORTLAND	77	60	83	55	68	-1	2.62	1.80	1.19	8.28	125	21.35	82	99	61	0	0	4	2
	ALPENA	80	58	88	51	69	1	1.24	0.57	1.24	6.30	127	14.03	94	93	51	0	0	1	1
	GRAND RAPIDS	83	63	89	58	73	0	2.79	1.91	2.64	12.81	192	20.58	102	94	55	0	0	2	1
MI	HOUGHTON LAKE	80	58	86	52	69	1	0.50	-0.16	0.50	7.14	141	14.00	94	89	52	0	0	1	1
	LANSING	83	61	87	56	72	1	0.84	0.22	0.57	9.74	174	17.12	100	90	52	0	0	2	1
	MUSKEGON	83	63	87	58	73	2	1.77	1.24	1.77	9.44	219	16.76	101	88	50	0	0	1	1
MN	TRAVERSE CITY	81	63	87	58	72	2	3.36	2.69	3.36	9.85	181	15.65	92	88	53	0	0	1	1
	DULUTH	79	60	87	56	69	3	1.33	0.54	0.83	3.37	46	11.71	72	93	55	0	0	2	2
	INT. L FALLS	82	61	92	56	71	6	0.47	-0.27	0.43	2.26	32	7.21	53	91	49	2	0	3	0
MO	MINNEAPOLIS	89	69	95	66	79	5	0.08	-0.83	0.06	2.76	37	12.65	74	86	42	4	0	2	0
	ROCHESTER	84	63	87	56	74	0	0.18	-0.86	0.16	4.58	55	13.05	69	96	57	0	0	2	0
	ST. CLOUD	88	62	90	54	75	4	0.20	-0.52	0.15	3.29	48	12.33	81	94	43	1	0	2	0
MS	COLUMBIA	88	69	94	67	79	1	0.00	-0.94	0.00	16.07	201	36.04	147	90	50	2	0	0	0
	KANSAS CITY	89	69	95	66	79	0	0.00	-0.95	0.00	9.67	109	26.17	115	89	49	3	0	0	0
	SAINT LOUIS	89	72	96	69	81	0	0.00	-0.92	0.00	9.00	119	26.01	109	84	48	3	0	0	0
MT	SPRINGFIELD	87	68	92	64	77	-1	0.00	-0.77	0.00	6.51	83	33.46	129	97	52	2	0	0	0
	JACKSON	90	74	94	70	82	0	1.11	0.00	0.51	12.82	162	37.29	116	91	58	5	0	6	1
	MERIDIAN	89	73	93	71	81	0	4.33	3.16	1.96	15.89	188	46.51	137	92	61	3	0	6	2
NC	TUPELO	89	73	94	72	81	-1	3.34	2.53	1.45	22.17	292	51.07	158	94	63	4	0	6	2
	BILLINGS	97	65	107	61	81	7	0.00	-0.28	0.00	0.46	14	4.87	53	54	14	7	0	0	0
	BUTTE	87	49	93	42	68	4	0.03	-0.26	0.03	0.74	22	3.65	44	69	16	1	0	1	0
ND	CUT BANK	82	55	89	48	69	3	0.00	-0.24	0.00	0.67	18	2.92	39	69	28	0	0	0	0
	GLASGOW	97	65	110	54	81	9	0.37	0.00	0.37	1.00	26	2.97	38	73	18	6	0	1	0
	GREAT FALLS	90	55	93	47	73	4	0.01	-0.29	0.01	0.75	20	7.48	78	67	20	5	0	1	0
NE	HAVRE	93	57	99	43	75	5	0.03	-0.29	0.03	0.63	17	4.69	63	73	19	7	0	1	0
	MISSOULA	91	55	99	46	73	3	0.01	-0.19	0.01	0.91	31	5.85	67	67	20	3	0	1	0
	ASHEVILLE	83	63	86	59	73	-1	1.24	0.26	0.82	11.06	137	32.91	125	99	51	0	0	4	1
NC	CHARLOTTE	88	70	91	68	79	0	0.69	-0.15	0.52	5.96	92	22.63	97	93	50	4	0	2	1
	GREENSBORO	85	67	88	66	76	-3	2.10	1.07	1.10	8.41	118	26.76	113	94	53	0	0	3	2
	HATTERAS	85	73	88	68	79	0	1.25	0.02	0.73	8.76	112	30.75	105	87	62	0	0	3	1
ND	RALEIGH	85	68	89	66	77	-3	0.68	-0.46	0.50	12.56	176	27.64	114	98	60	0	0	2	0
	WILMINGTON	87	72	93	68	80	-2	3.72	1.88	2.33	20.30	186	34.81	117	95	59	2	0	4	2
	BISMARCK	100	69	105	58	84	12	0.00	-0.63	0.00	3.13	57	5.56	50	84	27	7	0	0	0
NE	DICKINSON	95	62	99	55	78	8	0.33	-0.17	0.33	3.61	69	7.96	76	87	26	7	0	1	0
	FARGO	90	68	96	61	79	7	0.33	-0.22	0.30	4.14	67	6.84	52	85	41	3	0	2	0
	GRAND FORKS	87	64	96	57	76	7	0.34	-0.31	0.33	2.88	48	6.75	57	88	46	3	0	2	0
NY	JAMESTOWN	94	67	99	59	80	10	0.03	-0.68	0.03	2.67	45	5.22	45	83	37	6	0	1	0
	GRAND ISLAND	87	65	94	59	76	0	0.00	-0.74	0.00	4.52	64	17.91	105	87	48	2	0	0	0
	LINCOLN	88	65	95	58	76	-1	0.00	-0.71	0.00	5.46	77	16.51	94	90	46	2	0	0	0
OH	NORFOLK	88	64	94	57	76	0	0.00	-0.70	0.00	5.85	85	16.21	97	85	46	2	0	0	0
	NORTH PLATTE	91	65	98	60	78	3	0.00	-0.74	0.00	4.18	72	15.66	117	84	41	4	0	0	0
	OMAHA	89	68	95	61	78	1	0.00	-0.83	0.00	5.94	83	17.24	93	91	46	2	0	0	0
NJ	SCOTTSBLUFF	96	64	102	59	80	5	0.06	-0.37	0.06	2.11	49	7.10	66	81	23	7	0	1	0
	VALENTINE	94	68	100	66	81	6	1.37	0.64	1.37	3.96	65	13.14	99	85	36	5	0	1	1
	CONCORD	79	57	85	53	68	-2	2.03	1.15	1.32	11.41	174	22.81	103	97	54	0	0	4	1
NM	ATLANTIC_CITY	85	65	89	60	75	-1	0.00	-0.83	0.00	9.92	167	28.62	123	93	48	0	0	0	0
	NEWARK	86	70	90	65	78	0	0.04	-1.09	0.04	11.15	146	28.11	106	76	41	1	0	1	0
	ALBUQUERQUE	90	68	93	61	79	0	0.16	-0.21	0.09	1.37	76	2.92	66	74	28	5	0	3	0
NV	ELY	88	55	90	50	71	2	1.03	0.85	0.87	1.23	106	4.37	76	80	19	1	0	3	1
	LAS VEGAS	102	85	106	82	93	0	0.03	-0.08	0.03	0.13	34	0.84	33	49	21	7	0	1	0
	RENO	95	65	99	61	80	4	0.00	-0.05	0.00	0.15	22	1.74	38	48	13	7	0	0	0
NY	WINNEMUCCA	98	60	102	53	79	5	0.12	0.05	0.12	0.46	57	4.61	88	48	11	7	0	1	0
	ALBANY	77	58	84	54	68	-5	1.87	0.93	1.08	10.15	145	22.53	104	100	59	0	0	4	2
	BINGHAMTON	74	57	80	53	66	-3	1.13	0.31	0.87	10.54	146	27.00	123	96	60	0	0	3	1
OH	BUFFALO	80	63	81	58	71	0	0.62	-0.13	0.42	8.79	145	16.30	77	91	48	0	0	3	0
	ROCHESTER	79	60	85	56	69	-2	0.12	-0.63	0.12	8.22	140	17.20	94	96	47	0	0	1	0
	SYRACUSE	83	62																	

Weather Data for the Week Ending July 24, 2021

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
OK	TOLEDO	84	64	87	58	74	1	1.70	0.96	1.17	9.65	161	21.60	112	88	48	0	0	2	2
	YOUNGSTOWN	81	59	85	53	70	-1	0.90	-0.11	0.52	10.94	150	22.59	102	95	53	0	0	2	1
	OKLAHOMA CITY	90	69	95	65	80	-4	0.01	-0.61	0.01	9.43	130	20.07	95	90	44	4	0	1	0
	TULSA	91	71	97	65	81	-3	0.00	-0.71	0.00	11.74	158	26.95	112	92	47	3	0	0	0
OR	ASTORIA	69	52	71	47	60	-1	0.01	-0.19	0.01	2.09	61	37.71	102	96	59	0	0	1	0
	BURNS	92	53	97	46	72	4	0.16	0.07	0.16	0.27	24	5.36	80	63	13	6	0	1	0
	EUGENE	87	52	94	49	69	2	0.00	-0.11	0.00	1.60	80	14.40	56	86	24	2	0	0	0
	MEDFORD	94	62	99	55	78	2	0.00	-0.06	0.00	0.87	96	6.33	64	61	18	6	0	0	0
PA	PENDLETON	89	60	96	46	74	1	0.00	-0.07	0.00	0.30	23	4.21	54	49	14	4	0	0	0
	PORTLAND	84	59	91	57	72	2	0.00	-0.12	0.00	1.22	54	14.58	74	74	27	1	0	0	0
	SALEM	86	56	94	53	71	3	0.00	-0.08	0.00	1.70	86	19.01	88	74	26	1	0	0	0
	ALLENTOWN	82	61	86	56	71	-2	0.39	-0.74	0.38	5.67	69	19.74	79	90	49	0	0	2	0
RI	ERIE	78	63	83	58	71	-1	0.00	-0.82	0.00	7.83	122	19.62	91	85	52	0	0	0	0
	MIDDLETOWN	84	65	87	63	75	-1	0.12	-0.96	0.12	9.69	134	23.64	104	84	45	0	0	1	0
	PHILADELPHIA	85	69	88	65	77	-1	0.16	-0.84	0.14	9.13	134	25.48	108	82	44	0	0	2	0
	PITTSBURGH	81	60	83	56	71	-2	0.01	-0.82	0.01	6.64	90	19.67	88	91	48	0	0	1	0
SC	WILKES-BARRE	81	59	85	54	70	-2	0.10	-0.77	0.08	6.83	99	20.26	98	93	53	0	0	2	0
	WILLIAMSPORT	83	59	88	55	71	-2	0.20	-0.83	0.18	9.25	127	22.23	100	91	44	0	0	2	0
	PROVIDENCE	82	65	86	60	74	0	0.19	-0.56	0.08	9.49	156	26.37	101	93	55	0	0	4	0
	CHARLESTON	89	73	91	71	80	-2	0.78	-0.69	0.53	12.37	115	28.44	105	97	61	3	0	4	1
SD	COLUMBIA	87	72	93	70	80	-3	2.69	1.43	1.89	9.77	111	28.18	111	95	57	3	0	3	1
	FLORENCE	89	72	94	69	81	-1	0.78	-0.47	0.53	10.22	118	26.88	112	91	50	4	0	4	1
	GREENVILLE	88	69	91	66	79	-1	1.14	-0.01	0.79	5.91	82	26.29	99	91	48	5	0	4	1
	ABERDEEN	92	66	98	62	79	7	0.39	-0.26	0.35	2.01	33	7.42	56	88	42	7	0	2	0
TN	HURON	91	67	94	61	79	5	0.46	-0.22	0.39	3.37	54	7.89	55	91	43	4	0	2	0
	RAPID CITY	93	63	97	58	78	4	0.15	-0.29	0.12	4.73	121	9.09	85	86	31	7	0	2	0
	SIOUX FALLS	89	66	94	60	78	5	0.05	-0.63	0.04	3.97	63	11.76	75	84	43	3	0	2	0
	BRISTOL	87	57	91	16	72	-3	1.10	0.03	1.05	6.52	86	25.29	101	95	43	2	1	2	1
TX	CHATTANOOGA	88	71	94	69	79	-1	1.72	0.58	1.12	9.39	118	34.13	110	94	55	3	0	2	2
	KNOXVILLE	88	68	92	66	78	0	0.16	-1.03	0.16	4.32	55	25.01	85	95	48	4	0	1	0
	MEMPHIS	89	74	95	72	82	-1	1.39	0.27	0.75	9.69	134	36.14	114	92	60	4	0	5	1
	NASHVILLE	90	71	94	69	80	1	2.50	1.70	2.50	6.19	88	32.51	114	85	48	5	0	1	1
UT	ABILENE	93	70	99	67	82	-2	0.00	-0.39	0.00	3.51	69	15.78	112	86	38	7	0	0	0
	AMARILLO	89	63	95	59	76	-2	0.02	-0.65	0.02	3.21	60	11.70	100	88	36	3	0	1	0
	AUSTIN	95	74	98	71	84	-1	0.10	-0.25	0.06	6.50	111	21.38	110	90	44	7	0	3	0
	BEAUMONT	91	74	95	72	83	0	0.97	-0.22	0.78	14.39	121	38.84	119	100	64	5	0	3	1
VA	BROWNSVILLE	94	77	96	74	85	0	0.52	0.15	0.50	10.42	248	17.16	143	89	52	7	0	2	0
	CORPUS CHRISTI	93	76	96	73	85	0	0.10	-0.38	0.10	13.18	231	28.54	178	99	59	7	0	1	0
	DEL RIO	97	77	101	74	87	1	0.68	0.30	0.68	4.18	112	10.13	95	82	39	7	0	1	1
	EL PASO	91	69	94	67	80	-2	1.97	1.59	1.86	6.89	335	8.03	198	74	29	6	0	2	1
WY	FORT WORTH	93	75	99	72	84	-2	0.23	-0.17	0.21	2.96	52	20.61	94	86	43	6	0	2	0
	GALVESTON	90	80	93	76	85	1	1.41	0.00	0.74	12.76	0	24.27	0	82	62	5	0	3	2
	HOUSTON	95	77	98	75	86	1	0.00	-0.74	0.00	12.37	137	31.56	115	91	47	7	0	0	0
	LUBBOCK	89	66	95	62	77	-3	1.29	0.91	1.29	5.20	114	14.67	136	86	39	3	0	1	1
WI	MIDLAND	91	68	98	60	79	-3	0.02	-0.41	0.02	6.50	202	11.91	158	83	33	4	0	1	0
	SAN ANGELO	95	69	101	64	82	-1	0.25	0.01	0.25	8.46	239	13.67	117	90	34	7	0	1	0
	SAN ANTONIO	91	73	94	71	82	-3	1.39	0.96	1.01	6.50	100	21.14	114	94	54	5	0	2	1
	VICTORIA	93	76	95	74	84	0	0.43	-0.44	0.27	16.71	212	43.66	188	93	52	7	0	2	0
WV	WACO	92	74	96	72	83	-3	1.48	1.09	1.42	7.15	148	20.36	103	92	51	6	0	2	1
	WICHITA FALLS	92	69	97	66	81	-4	0.18	-0.15	0.16	4.98	92	16.84	99	96	47	5	0	2	0
	SALT LAKE CITY	98	73	104	67	86	6	0.37	0.20	0.31	0.48	32	6.86	70	57	17	7	0	2	0
	LYNCHBURG	88	66	92	63	77	2	0.03	-0.96	0.03	7.28	105	22.85	97	93	45	3	0	1	0
WY	NORFOLK	88	70	94	67	79	-1	0.15	-1.08	0.10	6.31	77	23.11	92	87	44	2	0	3	0
	RICHMOND	87	68	93	65	78	-2	1.75	0.69	1.74	9.88	134	25.94	107	93	49	2	0	2	1
	ROANOKE	89	66	92	63	77	0	0.08	-0.81	0.07	6.57	94	21.73	92	87	39	2	0	2	0
	WASH/DULLES	87	65	91	61	76	-1	0.00	-0.80	0.00	6.03	89	19.45	82	87	41	2	0	0	0
WY	BURLINGTON	78	60	83	55	69	-2	1.39	0.43	1.26	5.69	82	15.26	79	96	53	0	0	4	1
	OLYMPIA	80	49	87	43	64	0	0.00	-0.11	0.00	3.24	140	28.08	105	97	35	0	0	0	0
	QUILLAYUTE	69	49	73	45	59	-1	0.00	-0.39	0.00	2.61	51	42.88	79	99	54	0	0	0	0
	SEATTLE-TACOMA	78	56	83	53	67	0	0.00	-0.13	0.00	1.90	87	19.70	100	85	37	0	0	0	0
WY	SPOKANE	86	60	92	51	73	2	0.12	-0.01	0.12	0.55	30	4.76	50	55	16	3	0	1	0
	YAKIMA	92	59	97	47	75	4	0.00	-0.05	0.00	0.18	21	2.71	59	59	17	5	0	0	0
	EAU CLAIRE	86	63	93	56	75	3	0.08	-0.77	0.08	7.46	105	13.89	82	91	47	2	0	1	0
	GREEN BAY	83	60	88	52	71	2	0.12	-0.65	0.12	8.30	125	14.74	90	91	52	0	0	1	0
WV	LA CROSSE	88	67	94	60	77	4	0.14	-0.81	0.11	8.13	105	17.32	92	89	48	3	0	2	0
	MADISON	85	62	90	54	74	2	0.00	-0.91	0.00	5.61	71	12.58	64	91	49	1	0	0	0
	MILWAUKEE	85	66	94	61	75	3	0.00	-0.79	0.00	2.48	36	9.80	50	82	48	2	0	0	0
	BECKLEY	79	59	85	54	69	-1	0.00	-1.15	0.00	7.56	96	24.92	99	98	52	0	0	0	0
WY	CHARLESTON	85	61	90	58	73	-2	0.00	-1.15	0.00	6.16	75	21.59	82	100	45	1	0	0	0

National Agricultural Summary

July 19 – 25, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Most of the central Great Plains, mid-Atlantic, middle Mississippi Valley, Ohio Valley, and Pacific Northwest were drier than normal. In contrast, more than twice the normal amount of rain was recorded in large parts of the Great Lakes, lower Mississippi Valley, Southeast, Southwest, and Texas. Meanwhile, most of California, Nevada, the northern Plains, and Rockies recorded above-normal

temperatures. Large sections of Montana, North Dakota, and South Dakota noted temperatures 6°F or more above normal. In contrast, most of the mid-Atlantic, Mississippi Valley, Northeast, southern Plains, Southeast, and Southwest were cooler than normal. Portions of Arizona, New Mexico, Oklahoma, and Texas recorded weekly temperatures 4°F or more below normal.

Corn: By July 25, seventy-nine percent of the nation's corn had reached the silking stage, equal to last year but 6 percentage points ahead of the 5-year average. By July 25, eighteen percent of the corn was at or beyond the dough stage, 2 percentage points behind last year but 1 point ahead of average. On July 25, sixty-four percent of the corn acreage was rated in good to excellent condition, 1 percentage point below the previous week and 8 points below the same time last year. In Iowa, 65 percent of the corn was rated in good to excellent condition.

Soybean: By July 25, seventy-six percent of the nation's soybeans had reached the blooming stage, 2 percentage points ahead of last year and 5 points ahead of the 5-year average. Nationally, 42 percent of the soybeans had begun setting pods, 2 percentage points ahead of last year and 6 points ahead of average. On July 25, fifty-eight percent of the nation's soybeans were rated in good to excellent condition, 2 percentage points below the previous week and 14 points below the previous year.

Winter Wheat: Eighty-four percent of the 2021 winter wheat acreage had been harvested by July 25, four percentage points ahead of last year and 3 points ahead of the 5-year average. Winter wheat harvest progress continued, with weekly advances of 20 percentage points or greater reported in Colorado, Michigan, Nebraska, Oregon, South Dakota, and Washington.

Cotton: Seventy-eight percent of the nation's cotton had reached the squaring stage by July 25, four percentage points behind last year and 5 points behind the 5-year average. By July 25, thirty-seven percent of the cotton had begun setting bolls, 3 percentage points behind last year and 5 points behind average. On July 25, sixty-one percent of the 2021 cotton acreage was rated in good to excellent condition, 1 percentage point above the previous week and 12 points above the same time last year.

Sorghum: By July 25, forty-two percent of the nation's sorghum had reached the headed stage, 1 percentage point behind last year but equal to the 5-year average. Twenty percent of the sorghum acreage was at or beyond the coloring stage by July 25, equal to last year but 1 percentage point behind average. Sixty-six percent of the nation's sorghum was rated in good to excellent condition

on July 25, two percentage points below the previous week but 13 points above the same time last year.

Rice: By July 25, forty-four percent of the nation's rice had reached the headed stage, 3 percentage points ahead of the previous year but 5 points behind the 5-year average. On July 25, seventy-three percent of the rice acreage was rated in good to excellent condition, 1 percentage point above the previous week but 3 points below the same time last year.

Small Grains: Thirty-one percent of the nation's oats had been harvested by July 25, one percentage point ahead of last year and 2 points ahead of the 5-year average. Oat harvest progress continued, with weekly advances of 20 percentage points or greater reported in Iowa, Nebraska, Ohio, and South Dakota. Harvest was complete in Texas. On July 25, thirty-six percent of the nation's oat acreage was rated in good to excellent condition, 1 percentage point above the previous week but 25 points below the same time last year.

Ninety-six percent of the nation's barley had reached the headed stage by July 25, one percentage point ahead of last year but equal to the 5-year average. By July 25, barley producers had harvested 2 percent of the barley, 1 percentage point ahead of last year but equal to the average. On July 25, twenty-two percent of the barley acreage was rated in good to excellent condition, 5 percentage points below the previous week and 58 points below the same time last year.

By July 25, ninety-seven percent of the nation's spring wheat had reached the headed stage, 1 percentage point ahead of the previous year but equal to the 5-year average. By July 25, three percent of the spring wheat had been harvested, 2 percentage points ahead of the previous year and 1 point ahead of average. On July 25, nine percent of the spring wheat was rated in good to excellent condition, 2 percentage points below the previous week and 61 points below the same time last year.

Other Crops: By July 25, eighty-one percent of the nation's peanuts had reached the pegging stage, 2 percentage points behind both the previous year and the 5-year average. On July 25, seventy-five percent of the peanuts were rated in good to excellent condition, 3 percentage points above the previous week and 1 point above the same time last year.

Crop Progress and Condition

Week Ending July 25, 2021

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

Corn Percent Silking				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
CO	65	21	54	47
IL	86	77	91	82
IN	81	59	82	71
IA	84	60	80	80
KS	77	57	76	78
KY	78	70	83	83
MI	61	42	78	47
MN	87	62	90	73
MO	88	64	79	89
NE	85	54	84	78
NC	97	89	96	95
ND	51	22	52	47
OH	60	42	72	59
PA	47	9	36	56
SD	74	27	68	60
TN	86	80	90	93
TX	92	83	88	87
WI	58	34	69	50
18 Sts	79	56	79	73
These 18 States planted 92% of last year's corn acreage.				

Corn Percent Dough				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
CO	6	0	3	2
IL	20	9	20	22
IN	15	8	19	12
IA	21	6	21	13
KS	34	13	24	25
KY	22	8	24	31
MI	3	0	2	2
MN	13	3	11	7
MO	36	19	37	38
NE	24	4	14	17
NC	66	39	64	70
ND	2	0	0	2
OH	2	2	11	5
PA	4	0	2	3
SD	12	0	11	9
TN	42	33	51	58
TX	66	63	67	63
WI	7	1	5	3
18 Sts	20	8	18	17
These 18 States planted 92% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	0	5	21	55	19
IL	2	6	24	45	23
IN	2	5	20	58	15
IA	2	5	28	55	10
KS	1	6	24	58	11
KY	1	2	15	67	15
MI	0	2	16	59	23
MN	7	14	41	34	4
MO	1	7	26	56	10
NE	2	4	18	53	23
NC	0	2	24	57	17
ND	11	28	40	20	1
OH	1	4	19	59	17
PA	0	1	11	64	24
SD	6	19	45	28	2
TN	0	3	15	59	23
TX	2	10	28	39	21
WI	1	4	20	52	23
18 Sts	3	7	26	49	15
Prev Wk	2	7	26	50	15
Prev Yr	2	5	21	55	17

Soybeans Percent Blooming				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
AR	87	81	87	89
IL	65	66	77	71
IN	77	58	74	66
IA	83	75	85	77
KS	66	48	60	60
KY	54	46	64	51
LA	96	92	95	95
MI	70	63	81	62
MN	88	79	92	79
MS	89	77	81	88
MO	61	33	52	57
NE	88	74	85	77
NC	50	37	54	49
ND	69	56	77	74
OH	74	60	75	66
SD	73	51	72	69
TN	60	49	65	70
WI	80	69	78	68
18 Sts	74	63	76	71
These 18 States planted 96% of last year's soybean acreage.				

Soybeans Percent Setting Pods				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
AR	60	56	67	68
IL	34	20	38	37
IN	36	19	36	34
IA	47	30	54	38
KS	36	14	24	24
KY	31	21	41	27
LA	85	75	82	85
MI	34	28	49	25
MN	51	26	52	36
MS	64	48	59	69
MO	26	10	19	24
NE	50	30	52	34
NC	33	20	28	27
ND	27	14	37	33
OH	31	15	36	27
SD	46	8	29	32
TN	33	24	35	39
WI	48	28	47	33
18 Sts	40	23	42	36
These 18 States planted 96% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	3	7	26	45	19
IL	3	6	27	44	20
IN	2	7	23	55	13
IA	2	6	31	52	9
KS	3	5	30	57	5
KY	0	3	15	70	12
LA	1	2	15	69	13
MI	1	5	22	58	14
MN	6	14	44	33	3
MS	1	2	16	68	13
MO	2	7	30	55	6
NE	1	2	15	59	23
NC	0	5	29	54	12
ND	13	28	42	16	1
OH	2	5	25	56	12
SD	5	21	48	25	1
TN	1	3	18	59	19
WI	1	4	23	56	16
18 Sts	3	9	30	47	11
Prev Wk	3	8	29	49	11
Prev Yr	1	5	22	57	15

Crop Progress and Condition

Week Ending July 25, 2021

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

Cotton Percent Squaring				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
AL	91	75	88	88
AZ	100	99	100	96
AR	99	93	94	99
CA	84	85	95	82
GA	93	86	91	92
KS	80	79	81	67
LA	98	93	97	98
MS	86	74	80	88
MO	54	99	99	81
NC	88	69	81	90
OK	63	50	59	71
SC	73	75	86	82
TN	85	71	79	90
TX	81	62	73	79
VA	78	75	82	87
15 Sts	82	69	78	83
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Setting Bolls				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
AL	57	24	42	60
AZ	86	72	84	70
AR	83	56	81	91
CA	44	35	50	46
GA	61	34	48	62
KS	21	9	11	14
LA	81	58	70	79
MS	51	31	49	61
MO	20	38	52	38
NC	47	21	41	54
OK	23	10	18	24
SC	25	36	57	44
TN	41	19	33	49
TX	32	17	30	32
VA	38	22	32	39
15 Sts	40	23	37	42
These 15 States planted 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	0	4	18	62	16
AZ	1	5	14	51	29
AR	1	1	16	45	37
CA	0	5	30	65	0
GA	1	6	24	60	9
KS	0	5	34	55	6
LA	0	1	4	87	8
MS	2	3	18	58	19
MO	0	7	26	67	0
NC	1	5	30	55	9
OK	0	10	40	49	1
SC	0	0	20	70	10
TN	4	9	21	56	10
TX	1	9	37	42	11
VA	0	0	8	87	5
15 Sts	1	7	31	50	11
Prev Wk	2	7	31	49	11
Prev Yr	3	13	35	40	9

Sorghum Percent Headed				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
CO	18	0	14	21
KS	25	12	23	22
NE	40	8	20	30
OK	34	18	28	35
SD	39	24	33	32
TX	80	82	86	79
6 Sts	43	33	42	42
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Percent Coloring				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
CO	0	0	0	0
KS	1	0	1	1
NE	0	0	0	1
OK	9	2	9	11
SD	0	0	1	1
TX	65	58	64	62
6 Sts	20	17	20	21
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
CO	0	1	18	71	10
KS	1	5	27	61	6
NE	1	2	22	53	22
OK	1	3	22	65	9
SD	8	23	53	16	0
TX	2	8	25	46	19
6 Sts	2	6	26	55	11
Prev Wk	1	5	26	57	11
Prev Yr	2	9	36	42	11

Spring Wheat Percent Headed				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
ID	97	95	99	94
MN	100	100	100	100
MT	90	81	95	93
ND	96	93	97	97
SD	100	96	98	98
WA	99	100	100	99
6 Sts	96	92	97	97
These 6 States planted 100% of last year's spring wheat acreage.				

Spring Wheat Percent Harvested				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
ID	1	NA	2	1
MN	1	1	3	1
MT	0	NA	1	0
ND	1	NA	0	1
SD	7	NA	21	17
WA	6	2	12	3
6 Sts	1	NA	3	2
These 6 States harvested 100% of last year's spring wheat acreage.				

Spring Wheat Condition by Percent					
	VP	P	F	G	EX
ID	11	32	30	17	10
MN	14	31	46	9	0
MT	51	36	9	4	0
ND	28	33	28	10	1
SD	32	37	26	5	0
WA	50	38	12	0	0
6 Sts	32	34	25	8	1
Prev Wk	29	34	26	10	1
Prev Yr	2	4	24	60	10

Crop Progress and Condition

Week Ending July 25, 2021

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

Barley Percent Headed				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
ID	95	93	97	93
MN	100	99	100	99
MT	94	85	95	94
ND	95	91	96	97
WA	100	100	100	100
5 Sts	95	90	96	96
These 5 States planted 81% of last year's barley acreage.				

Barley Percent Harvested				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
ID	2	NA	3	2
MN	2	1	7	3
MT	0	NA	1	1
ND	0	NA	0	1
WA	9	3	15	3
5 Sts	1	NA	2	2
These 5 States harvested 81% of last year's barley acreage.				

Barley Condition by Percent					
	VP	P	F	G	EX
ID	6	12	21	49	12
MN	10	26	49	15	0
MT	24	46	21	8	1
ND	25	28	38	8	1
WA	29	32	39	0	0
5 Sts	19	32	27	18	4
Prev Wk	17	25	31	23	4
Prev Yr	1	3	16	56	24

Oats Percent Harvested				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
IA	51	24	48	47
MN	17	7	25	9
NE	78	39	68	68
ND	0	0	2	7
OH	78	30	55	61
PA	13	0	4	15
SD	34	23	43	35
TX	100	99	100	100
WI	8	6	15	10
9 Sts	30	18	31	29
These 9 States harvested 76% of last year's oat acreage.				

Oat Condition by Percent					
	VP	P	F	G	EX
IA	1	4	31	54	10
MN	13	22	43	22	0
NE	3	6	34	48	9
ND	26	30	33	11	0
OH	0	1	29	64	6
PA	0	1	29	48	22
SD	12	38	30	20	0
TX	10	30	40	17	3
WI	1	3	22	54	20
9 Sts	10	21	33	30	6
Prev Wk	9	21	35	29	6
Prev Yr	3	9	27	52	9

Winter Wheat Percent Harvested				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
AR	100	100	100	100
CA	94	95	99	94
CO	96	61	92	89
ID	12	15	29	12
IL	97	97	99	98
IN	99	88	96	98
KS	99	96	98	99
MI	73	47	83	68
MO	100	96	99	100
MT	9	10	26	19
NE	91	60	88	82
NC	100	97	100	100
OH	99	84	94	97
OK	100	100	100	100
OR	34	39	59	35
SD	63	33	71	59
TX	100	99	100	100
WA	17	30	50	20
18 Sts	80	73	84	81
These 18 States harvested 91% of last year's winter wheat acreage.				

Rice Percent Headed				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
AR	25	8	26	44
CA	27	30	45	21
LA	85	77	80	85
MS	71	47	65	64
MO	17	18	40	27
TX	92	76	81	89
6 Sts	41	30	44	49
These 6 States planted 100% of last year's rice acreage.				

Rice Condition by Percent					
	VP	P	F	G	EX
AR	3	5	25	44	23
CA	0	0	10	80	10
LA	0	1	28	65	6
MS	0	5	13	70	12
MO	0	2	29	55	14
TX	1	4	37	47	11
6 Sts	1	3	23	57	16
Prev Wk	1	3	24	55	17
Prev Yr	0	3	21	57	19

Crop Progress and Condition**Week Ending July 25, 2021**

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

Peanuts Percent Pegging				
	Prev Year	Prev Week	Jul 25 2021	5-Yr Avg
AL	91	60	77	83
FL	89	87	92	87
GA	93	86	91	93
NC	76	73	85	81
OK	49	41	45	54
SC	82	80	85	84
TX	48	32	40	48
VA	75	69	75	68
8 Sts	83	74	81	83
These 8 States planted 96% of last year's peanut acreage.				

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	4	17	52	27
FL	4	3	17	74	2
GA	1	3	21	65	10
NC	0	2	16	66	16
OK	0	3	15	81	1
SC	0	0	5	89	6
TX	0	3	43	50	4
VA	0	0	5	89	6
8 Sts	1	3	21	65	10
Prev Wk	0	3	25	61	11
Prev Yr	1	5	20	62	12

Pasture and Range Condition by Percent Week Ending Jul 25, 2021												
	VP	P	F	G	EX		VP	P	F	G	EX	
AL	1	2	6	82	9		NH	0	0	21	79	0
AZ	69	13	9	3	6		NJ	0	4	11	82	3
AR	1	9	34	49	7		NM	14	23	31	22	10
CA	25	25	30	20	0		NY	1	4	12	67	16
CO	6	13	27	30	24		NC	8	35	34	21	2
CT	0	0	88	3	9		ND	55	30	13	2	0
DE	0	21	48	26	5		OH	0	7	17	67	9
FL	1	4	17	54	24		OK	1	4	31	48	16
GA	1	6	23	57	13		OR	58	22	16	4	0
ID	22	36	27	15	0		PA	1	1	16	64	18
IL	1	6	29	46	18		RI	0	0	5	36	59
IN	1	6	29	54	10		SC	0	0	18	76	6
IA	5	14	37	38	6		SD	34	38	17	11	0
KS	2	11	31	51	5		TN	3	8	26	55	8
KY	1	3	23	63	10		TX	9	11	25	36	19
LA	0	12	31	53	4		UT	31	38	24	7	0
ME	0	8	56	21	15		VT	0	0	20	70	10
MD	0	10	39	43	8		VA	9	29	32	29	1
MA	0	0	21	53	26		WA	76	21	2	1	0
MI	8	11	30	42	9		WV	6	8	22	61	3
MN	25	41	25	7	2		WI	5	11	24	41	19
MS	1	6	31	53	9		WY	29	32	28	11	0
MO	0	3	22	62	13		48 Sts	23	19	24	25	9
MT	56	35	7	2	0							
NE	4	12	59	23	2		Prev Wk	21	19	27	25	8
NV	35	30	35	0	0		Prev Yr	10	20	34	32	4

VP - Very Poor;

P - Poor;

F - Fair;

G - Good;

EX - Excellent

NA - Not Available;

*Revised

Crop Progress and Condition

Week Ending July 25, 2021

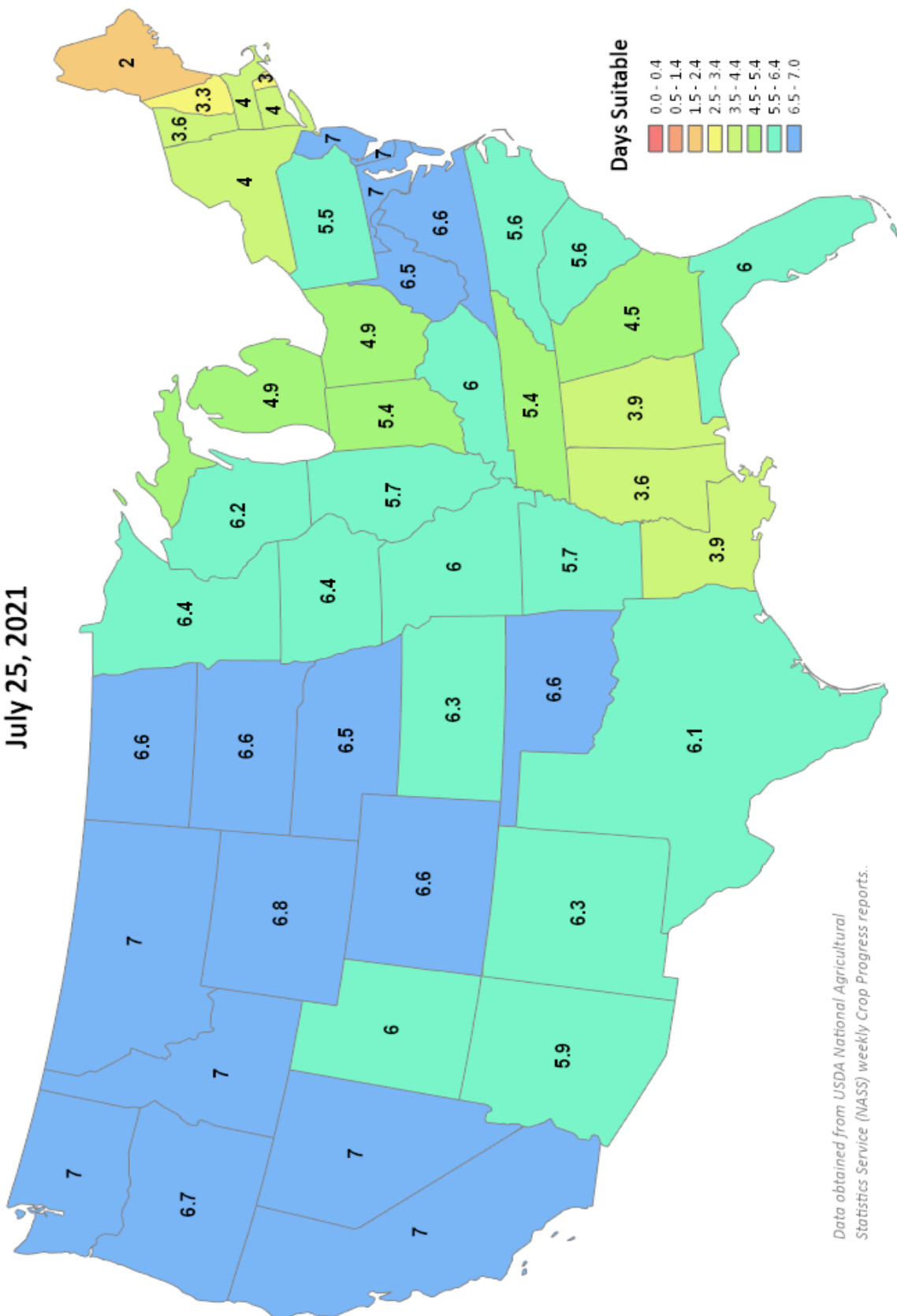
Weekly U.S. Progress and Condition Data provided by USDA/NASS

Days Suitable for Fieldwork

Week Ending

July 25, 2021

Days Suitable

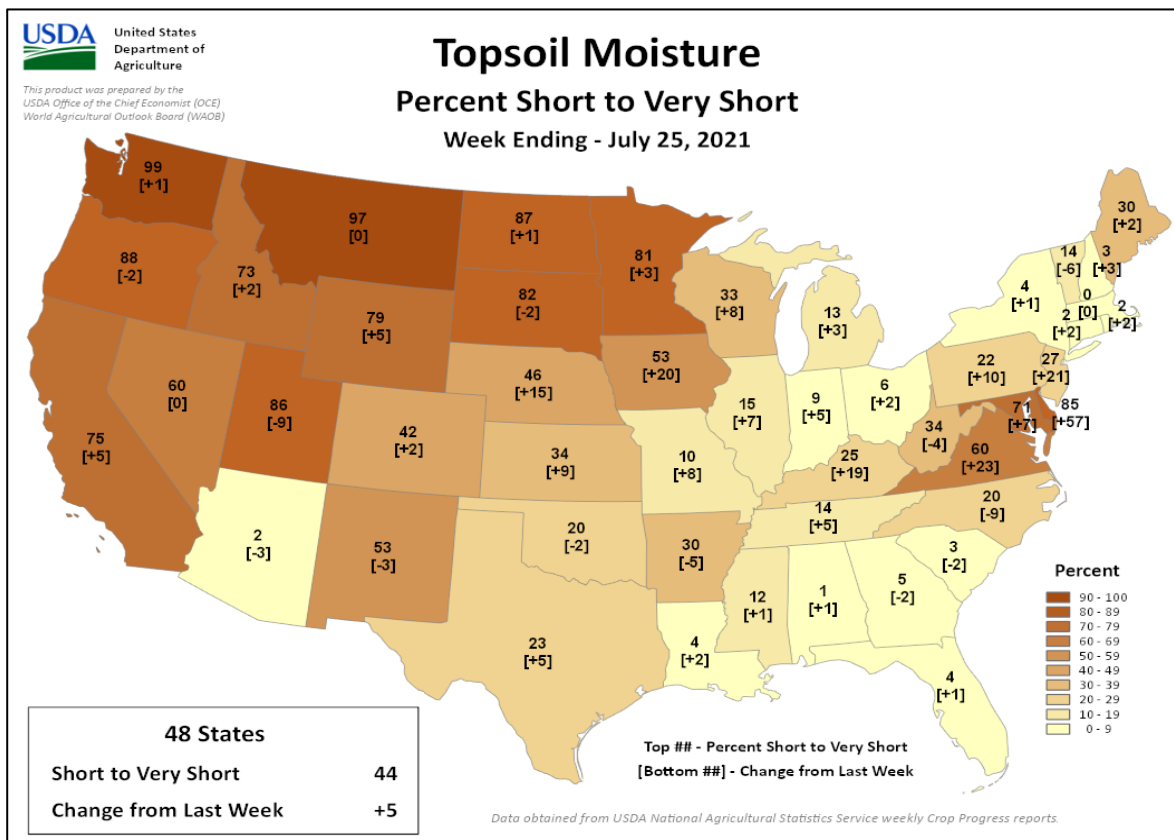
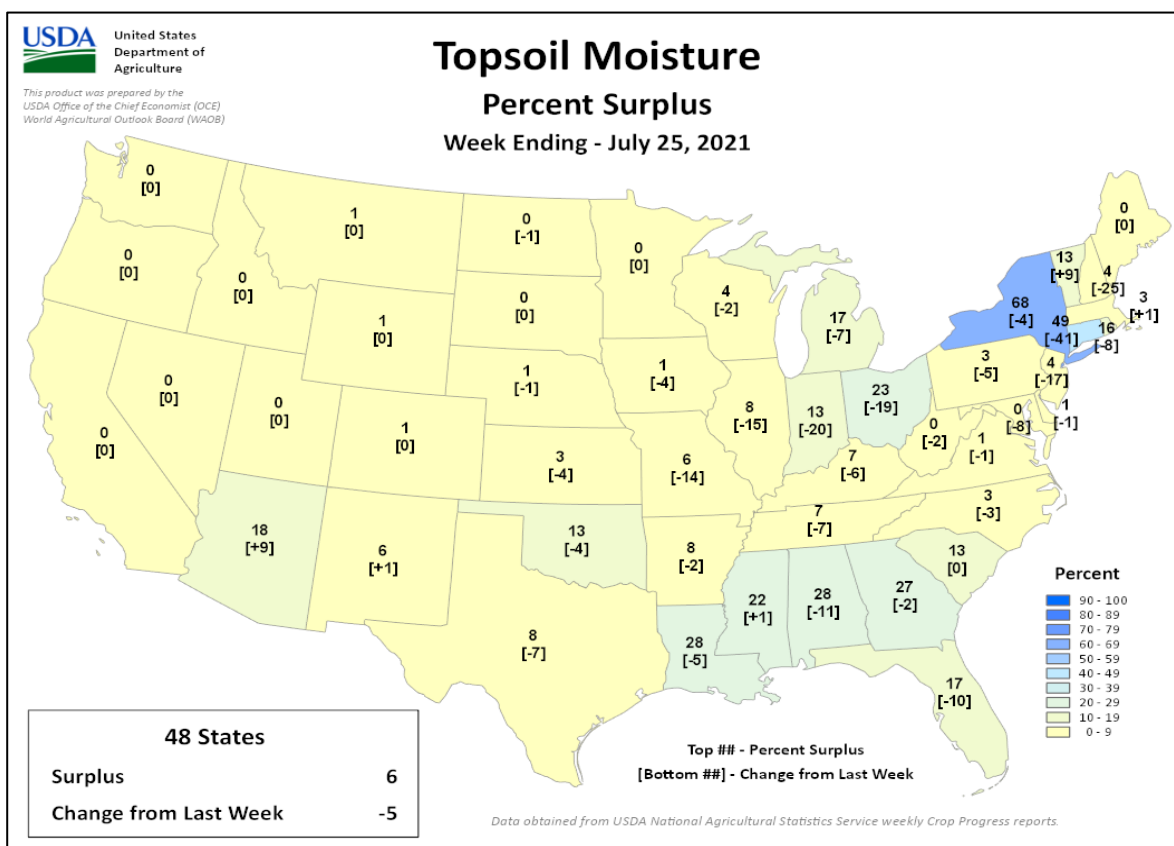


Data obtained from USDA National Agricultural Statistics Service (NASS) weekly Crop Progress reports.

Crop Progress and Condition

Week Ending July 25, 2021

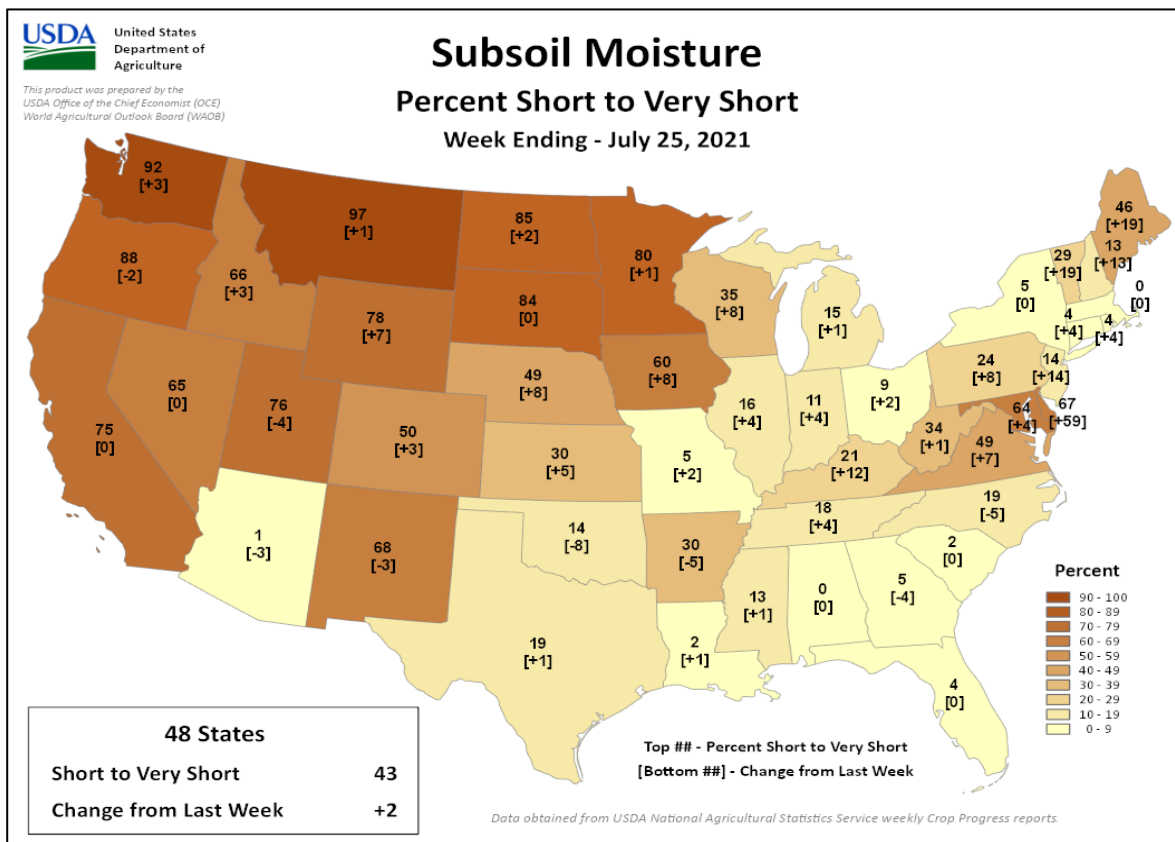
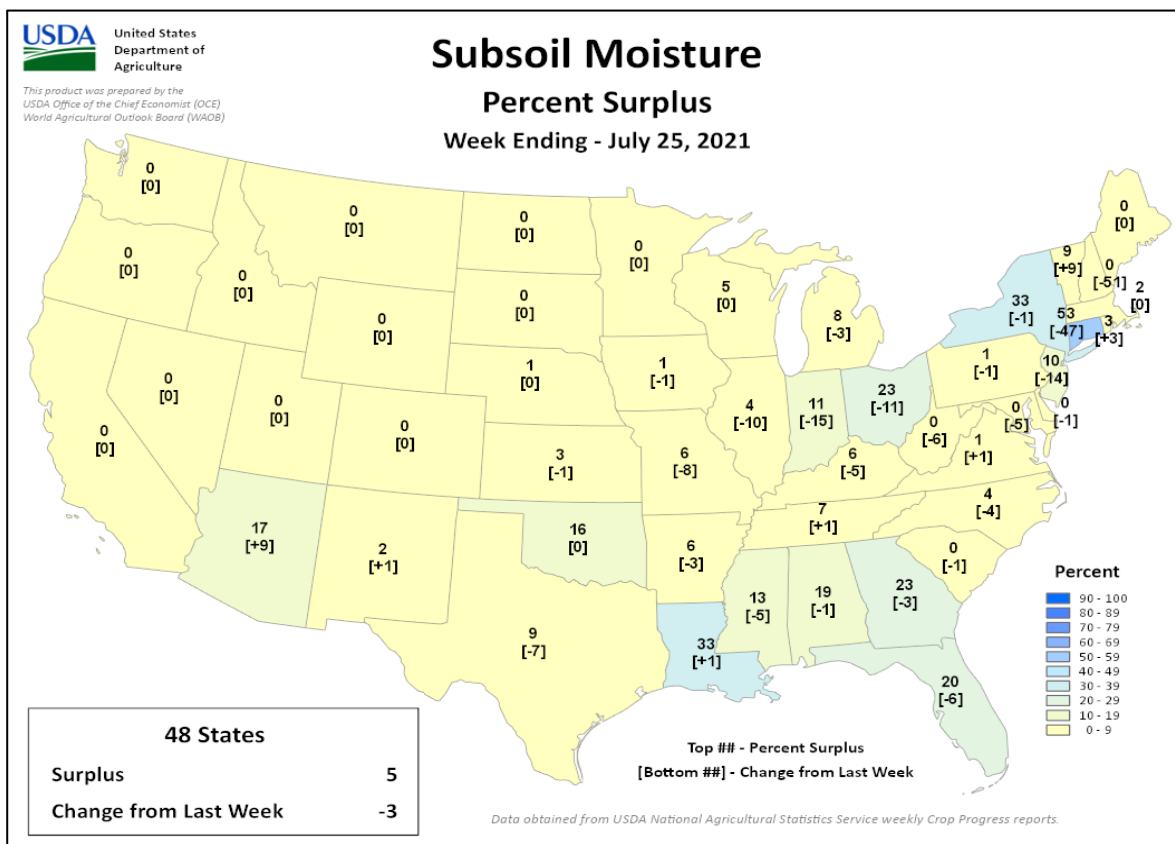
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending July 25, 2021

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



International Weather and Crop Summary

July 18-24, 2021

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

HIGHLIGHTS

EUROPE: Dry weather facilitated flood recovery efforts in north-central Europe, while showers benefited reproductive to filling summer crops in most southeastern growing areas.

WESTERN FSU: Widespread showers maintained good to excellent summer crop prospects in Ukraine and improved conditions for reproductive to filling corn and sunflowers in Russia.

EASTERN FSU: Early- and late-week showers eased drought in western and central spring grain areas, while dry weather favored cotton development in the south save for unseasonable showers in eastern Uzbekistan.

MIDDLE EAST: Sunny skies promoted the development of reproductive to filling summer crops in Turkey.

SOUTH ASIA: More widespread showers in India further improved soil moisture for kharif crops, but more rain is needed to eradicate lingering moisture deficits in some key growing areas.

EASTERN ASIA: Rainfall benefited summer crops in portions of northeastern and southern China, while localized flooding was reported in western sections of the North China Plain.

SOUTHEAST ASIA: More wet weather in northern sections of the region further improved moisture supplies for rice and other crops.

AUSTRALIA: More showers benefited vegetative winter grains and oilseeds.

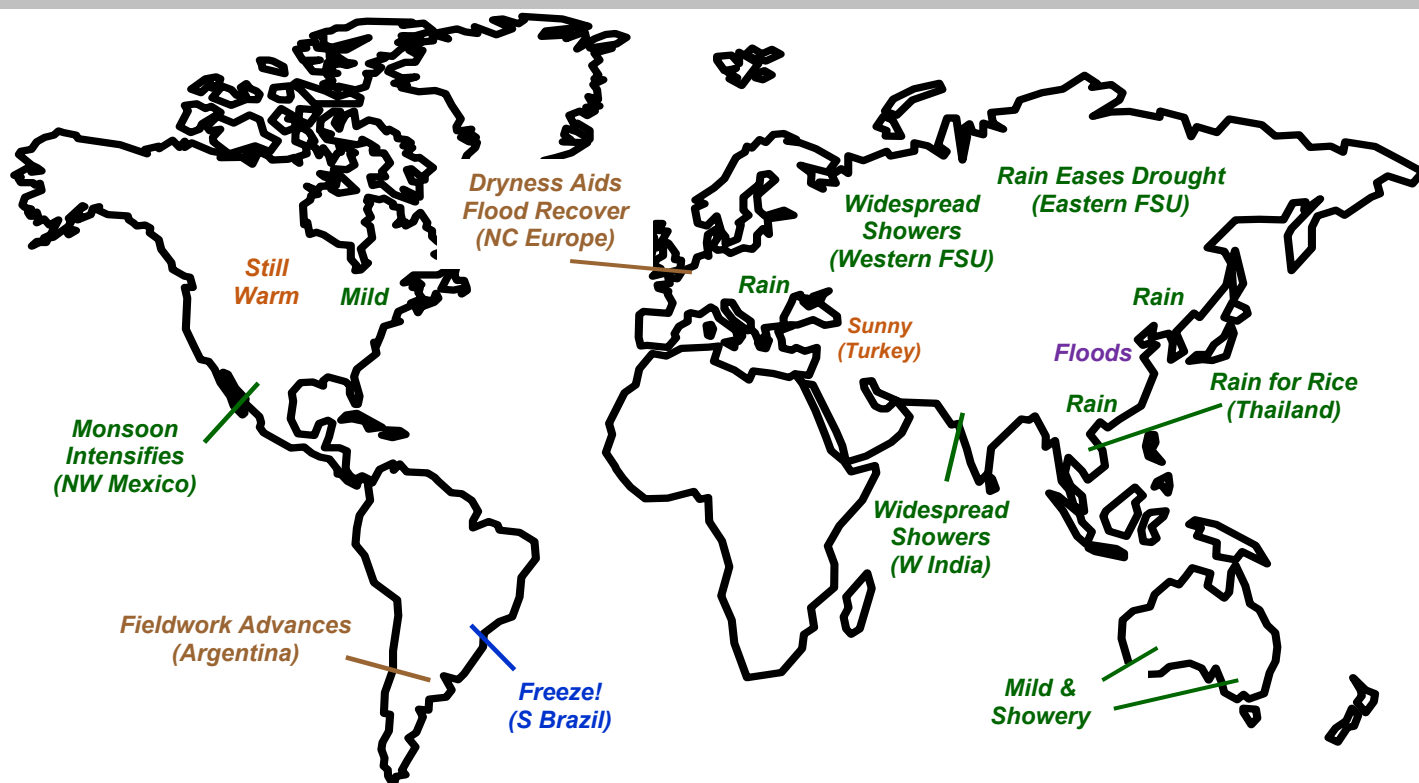
ARGENTINA: Dryness supported the final stages of corn and cotton harvesting.

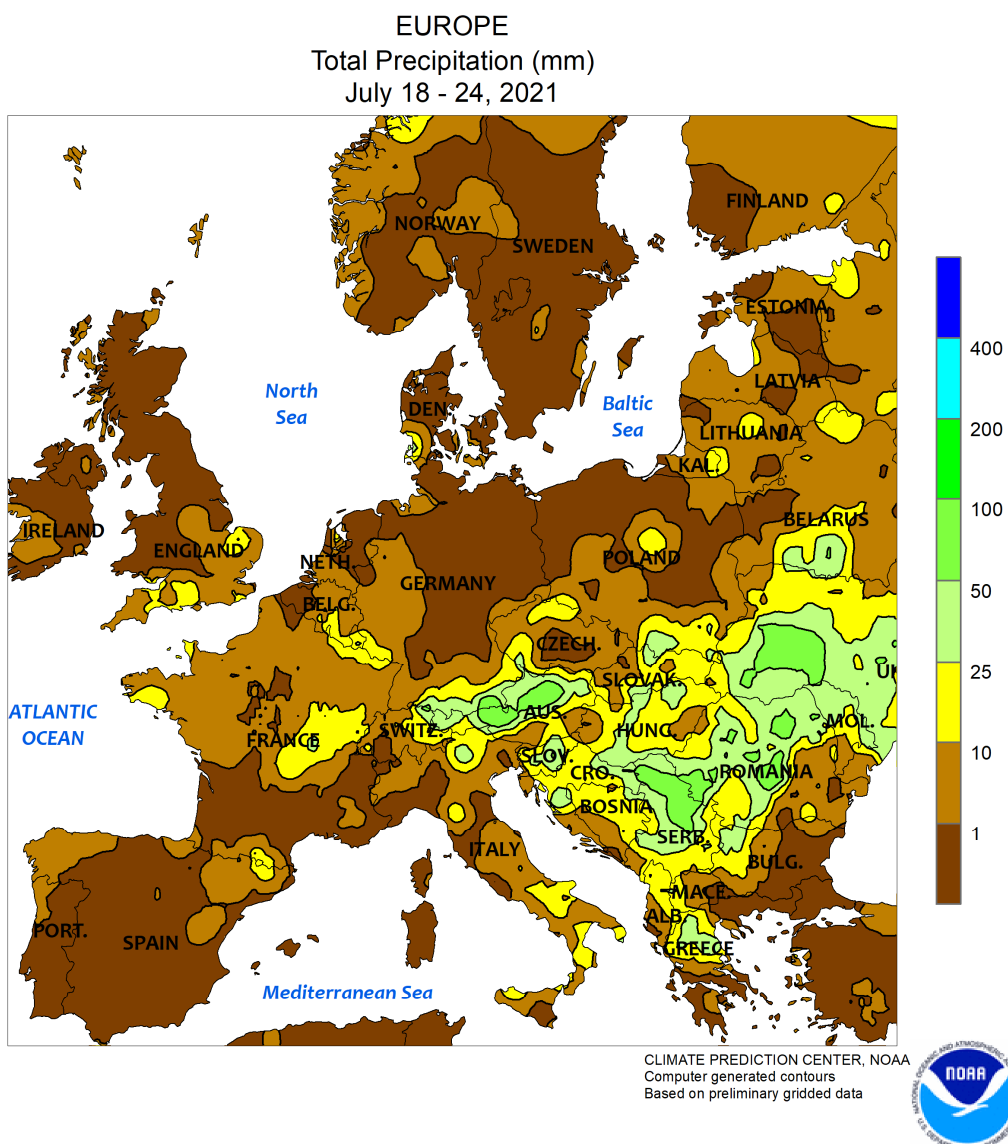
BRAZIL: Cold weather returned to southern Brazil, raising concern for crops sensitive to potential freeze damage.

MEXICO: Monsoon showers intensified over northwestern watersheds.

CANADIAN PRAIRIES: Unseasonable warmth sustained rapid rates of spring grain and oilseed development.

SOUTHEASTERN CANADA: Mild, showery weather maintained favorable prospects for summer crops and forage production.



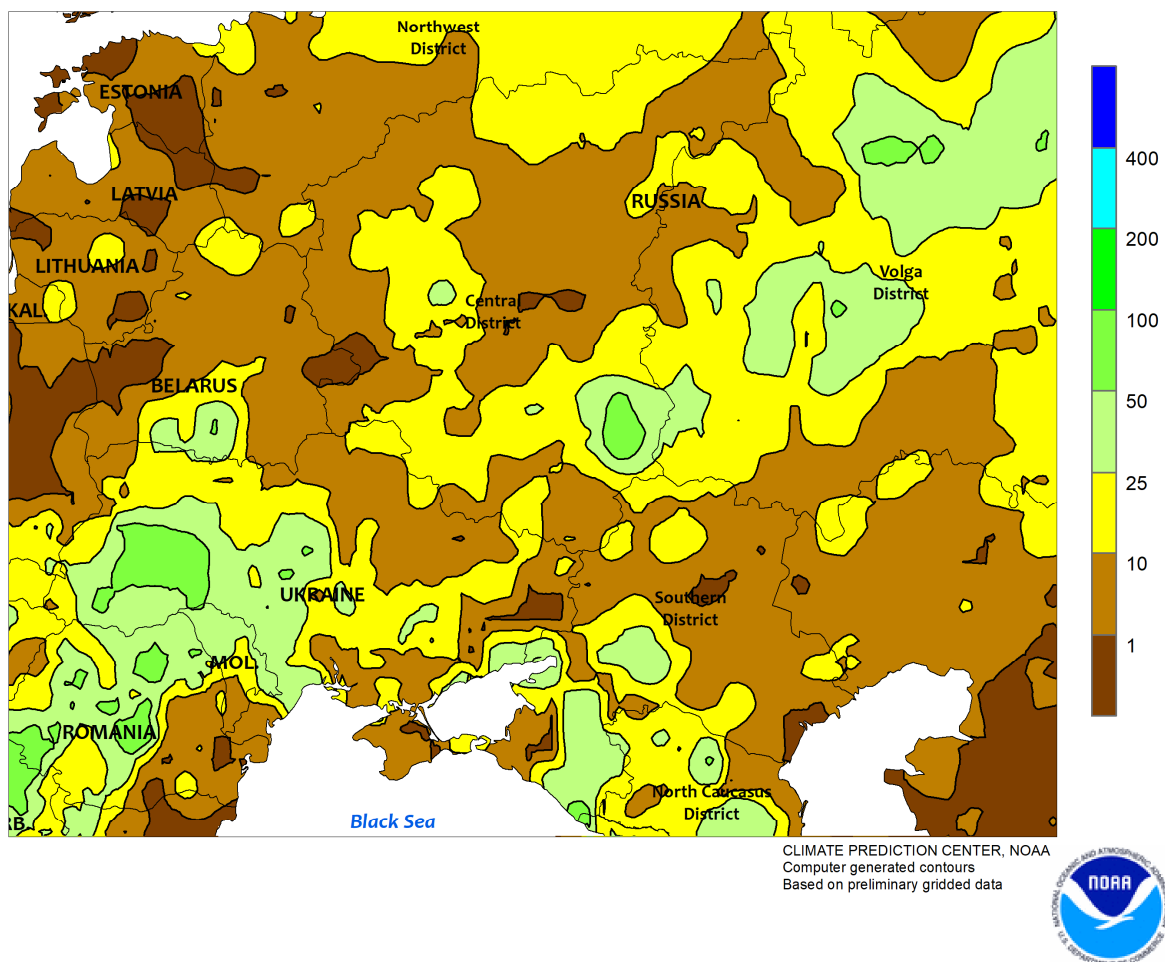


EUROPE

Dry weather facilitated flood recovery efforts in north-central Europe, while showers favored reproductive summer crops in many southeastern growing areas. Following last week's historic flooding across eastern France, western Germany, and Belgium, sunny skies allowed for recovery and damage assessment while promoting summer crop development and other season fieldwork in locales which avoided the deluges. In contrast, moderate to heavy showers and thunderstorms (10-100 mm) shifted over much of southeastern Europe, providing timely moisture for reproductive corn, soybeans, and sunflowers. However, the rain bypassed the lower Danube River Valley, where recent dryness (30-day rainfall locally less

than 50 percent of normal) and temperatures as high as 36°C may have trimmed the otherwise favorable summer crop prospects. Likewise, dry weather lingered over much of northern and western Europe, favoring winter crop drydown and harvesting following recent heavy rainfall. However, moisture supplies in northern Spain (Castilla y Leon) have become limited due to short-term dryness, though near- to above-normal longer-term precipitation (past 60 to 90 days) has netted mostly favorable conditions for reproductive summer crops. Near-normal temperatures prevailed across much of central and eastern Europe, while temperatures averaged 2 to 6°C above normal across the western third of the continent.

WESTERN FSU
Total Precipitation (mm)
July 18 - 24, 2021

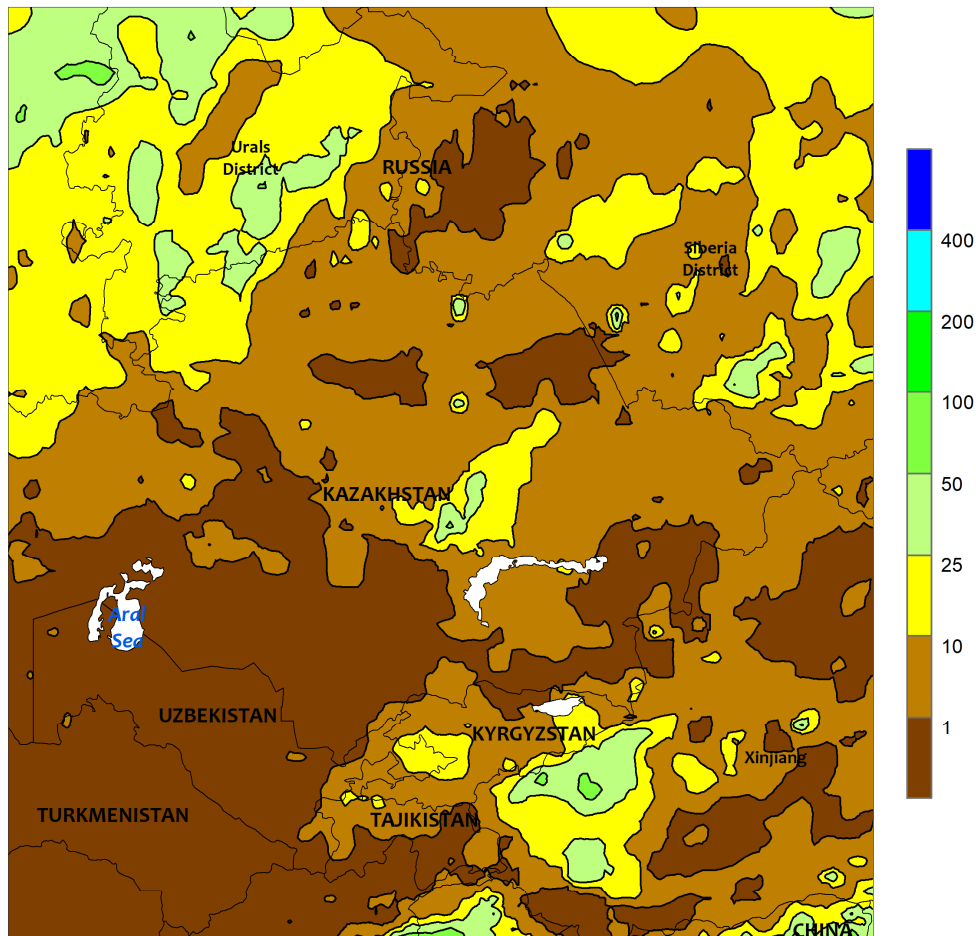


WESTERN FSU

Widespread showers maintained favorable summer crop prospects in Ukraine while easing heat stress and improving moisture supplies in Russia. For the week, rainfall totaled 5 to 95 mm across much of Ukraine, maintaining good to excellent conditions for reproductive corn, soybeans, and sunflowers. However, pockets of dryness (less than 5 mm) lingered over parts of central and northeastern Ukraine, lowering summer crop yield prospects locally. Unlike previous weeks, rain overspread most primary growing areas in western Russia, easing heat stress and improving moisture supplies for reproductive to filling corn and sunflowers but coming too late

to offer much benefit to maturing spring barley. The recent spate of extreme heat — which has been coincident with corn in the tasseling, silking, and blistering stages of development — lingered into the beginning of the week (36-40°C), further trimming crop yield potential before the arrival of much-needed rain. Beginning on July 14, high temperatures topped 35°C on 7 consecutive days in the Rostov, Krasnodar, and Stavropol Oblasts of southwestern Russia, with peak values of 41, 39, and 42°C noted in each region, respectively. Conversely, the recent spell of hot, dry weather has enabled a rapid pace of winter wheat harvesting in Russia.

EASTERN FSU
Total Precipitation (mm)
July 18 - 24, 2021



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

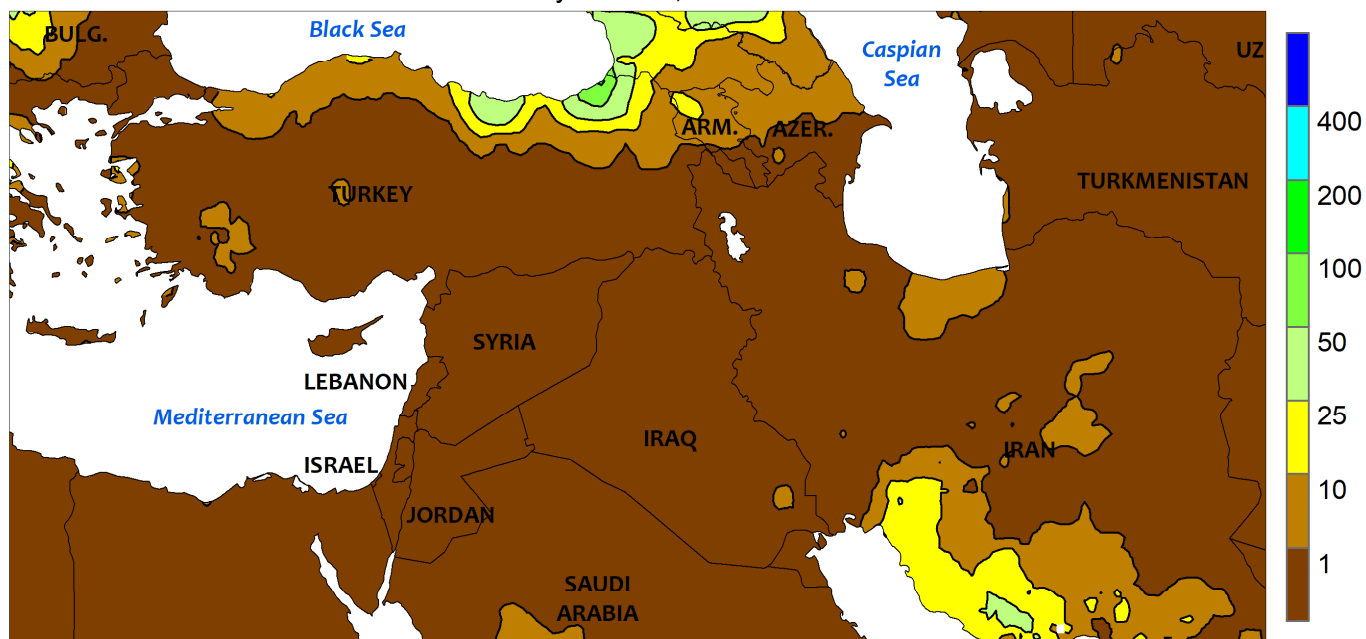


EASTERN FSU

Additional rain eased or alleviated drought in the western and central spring grain belt, while seasonably dry weather prevailed in the cotton belt save for showers in eastern Uzbekistan. Moderate to heavy showers (10-35 mm) bookended the week in northwestern Kazakhstan and neighboring portions of central Russia, improving soil moisture but likely coming too late to offer much benefit to spring wheat and barley; spring grains were filling to maturing up to two weeks ahead of normal due to the very hot weather from late June into early July as well as this week's return of above-normal temperatures (up to 5°C above normal). Showers were lighter (10 mm or less) across the rest of

the spring grain belt of central Russia and northern Kazakhstan, with good conditions in the east (Russia's Siberia District) sharply contrasting a very poor signal in the latest satellite-derived Vegetation Health Index (VHI) over northern Kazakhstan and central Russia. In the south, the return of seasonal heat and sunny skies were beneficial for cotton development in western and central growing areas, while unseasonable showers in Uzbekistan's Fergana Valley (locally more than 25 mm) were detrimental to flowering cotton. However, the rain's impacts should be minimal as long as dry weather returns.

MIDDLE EAST
Total Precipitation (mm)
July 18 - 24, 2021



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

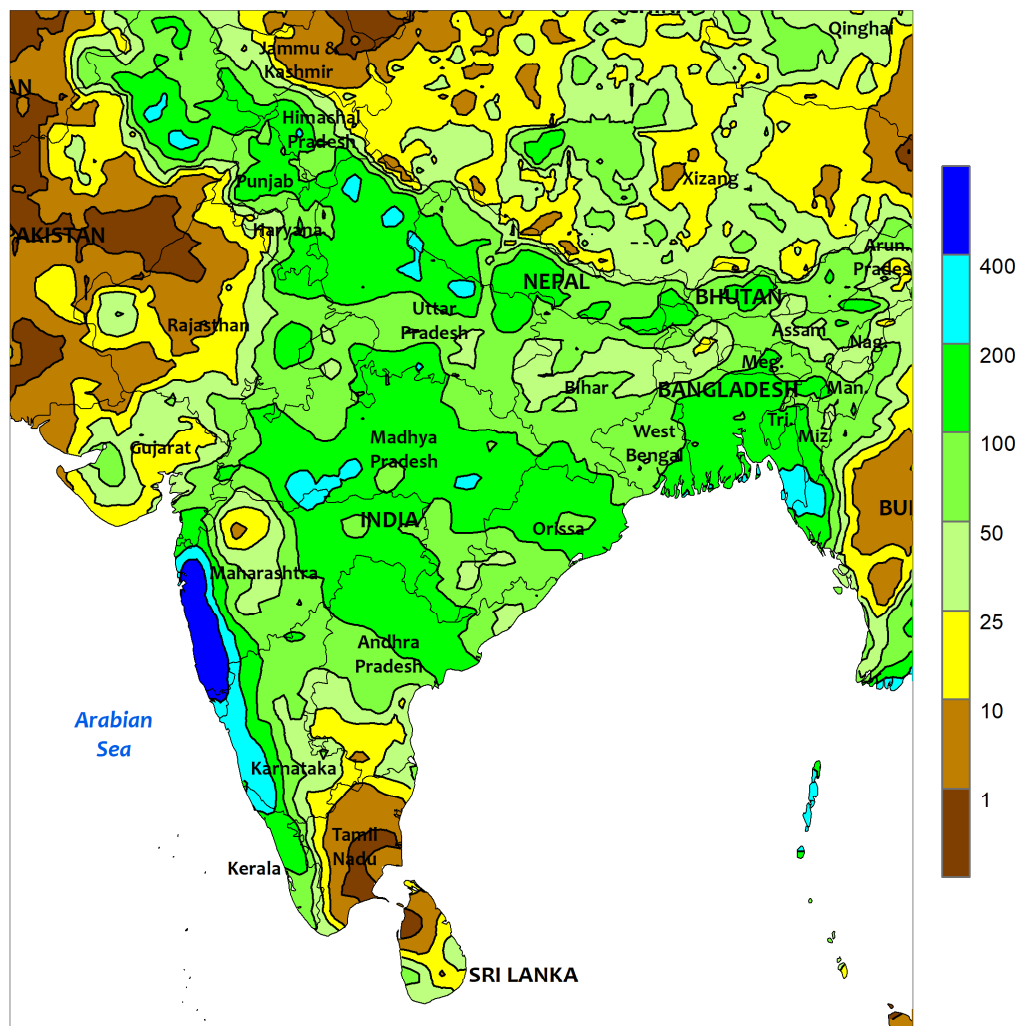


MIDDLE EAST

Sunny skies continued across Turkey's primary summer crop areas during the past week. Outside of showers in northeastern Turkey (locally more than 100 mm on the eastern Black Sea Coast), dry weather prevailed. Reproductive to filling summer crops were developing favorably across central, western, and northern portions of

the country, as indicated by the most recent satellite-derived Vegetation Health Index (VHI). Meanwhile, unseasonable showers (3-37 mm) were noted in southwestern Iran, though the rain likely had little to no significant agricultural impact. Agricultural activity from the eastern Mediterranean Coast into Iran is minimal during the very hot and dry summer.

SOUTH ASIA
Total Precipitation (mm)
July 18 - 24, 2021



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

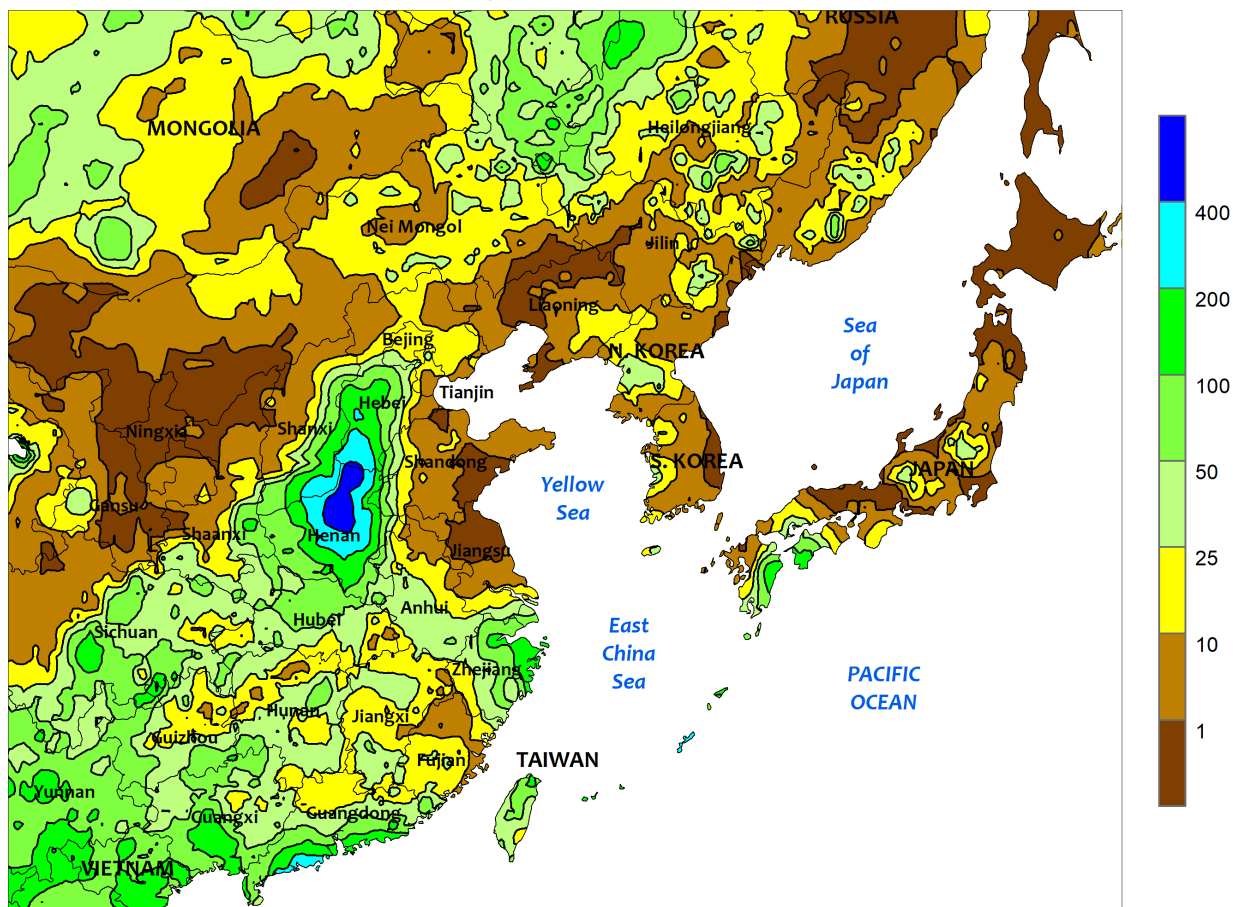


SOUTH ASIA

Widespread showers continued in India, maintaining or improving moisture supplies for kharif crops, though a few pockets of dry weather persisted in the west. The majority of the sub-continent recorded 50 to 100 mm, with totals approaching 500 mm in coastal Maharashtra; severe flooding was reported in this area, mainly impacting sugarcane. Although, the wet weather over the last two

weeks has improved soil moisture for crops, July rainfall totals continued to be below normal across a large swath extending from Gujarat (cotton and groundnuts) into Odisha (rice). Elsewhere in the region, downpours (50-200 mm or more) in northern Pakistan boosted irrigation supplies for cotton and rice but likely caused flooding in northern areas along the Indus River.

EASTERN ASIA
Total Precipitation (mm)
July 18 - 24, 2021



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

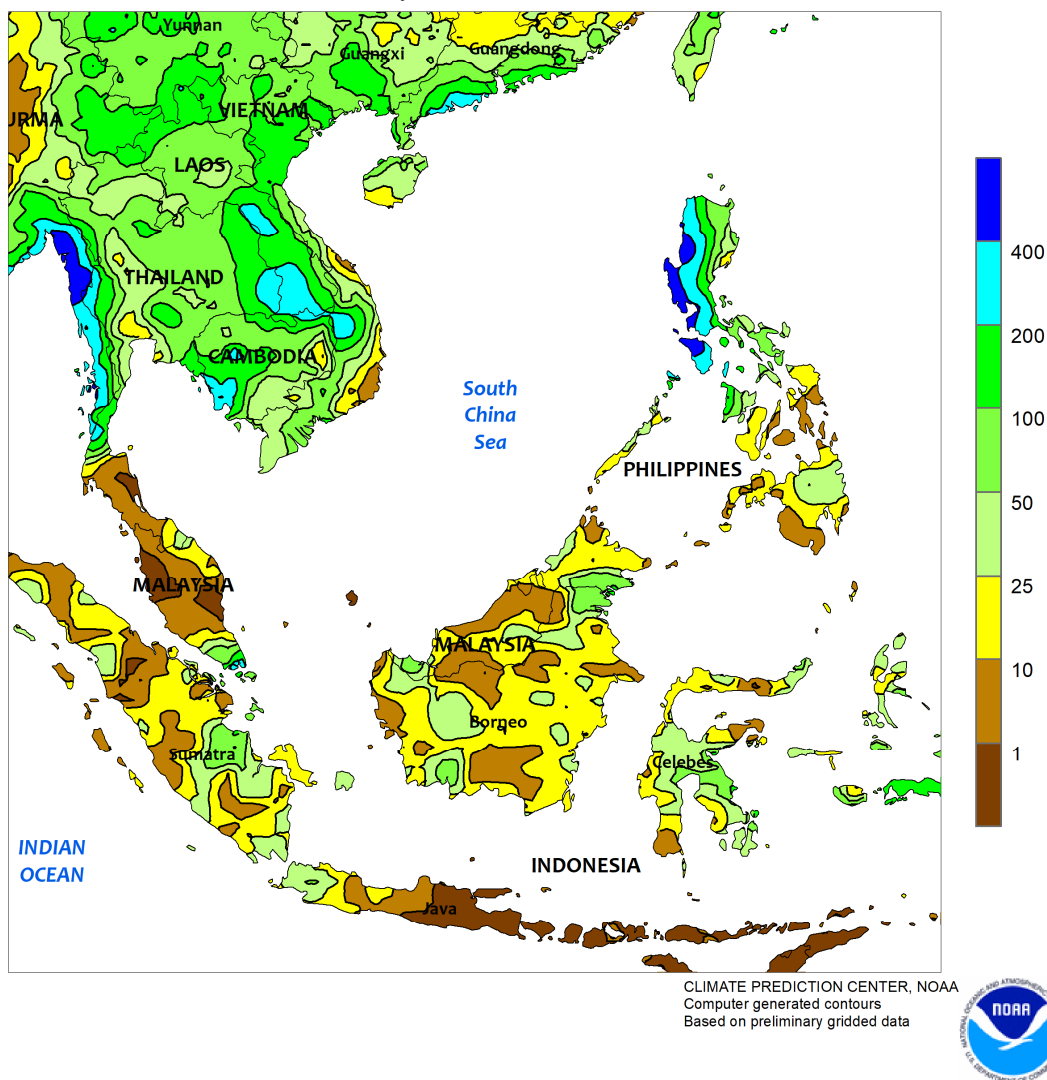


EASTERN ASIA

Periodic rainfall extended from parts of northeastern China to the southern provinces. The wet weather (10-50 mm, locally more) in the northeast was limited to western Heilongjiang and the surrounding areas, with dry weather and unseasonable heat (4-6°C above normal) to the east exacerbating poor moisture conditions for corn and soybeans. Additionally, the dry weather spread into eastern portions of the North China Plain as well as throughout the Korean Peninsula and Japan. In contrast, downpours (up to 214 mm) in eastern sections of the North China Plain caused flooding in summer grain areas.

Meanwhile, unseasonably light showers (25-100 mm) in southern China did little to improve lingering dryness over the last 30 days. In fact, with the exception of heavy showers at the end of June, rainfall for the last 60 days has been below average in the south and southeast. In southern-most provinces, a weak tropical cyclone (Cempaka) brought 50 to locally over 200 mm of rain, improving moisture conditions for late-crop rice and sugarcane. Elsewhere, localized late-week heat (upper 30s degrees C) in western China renewed stress on reproductive cotton.

SOUTHEAST ASIA
Total Precipitation (mm)
July 18 - 24, 2021

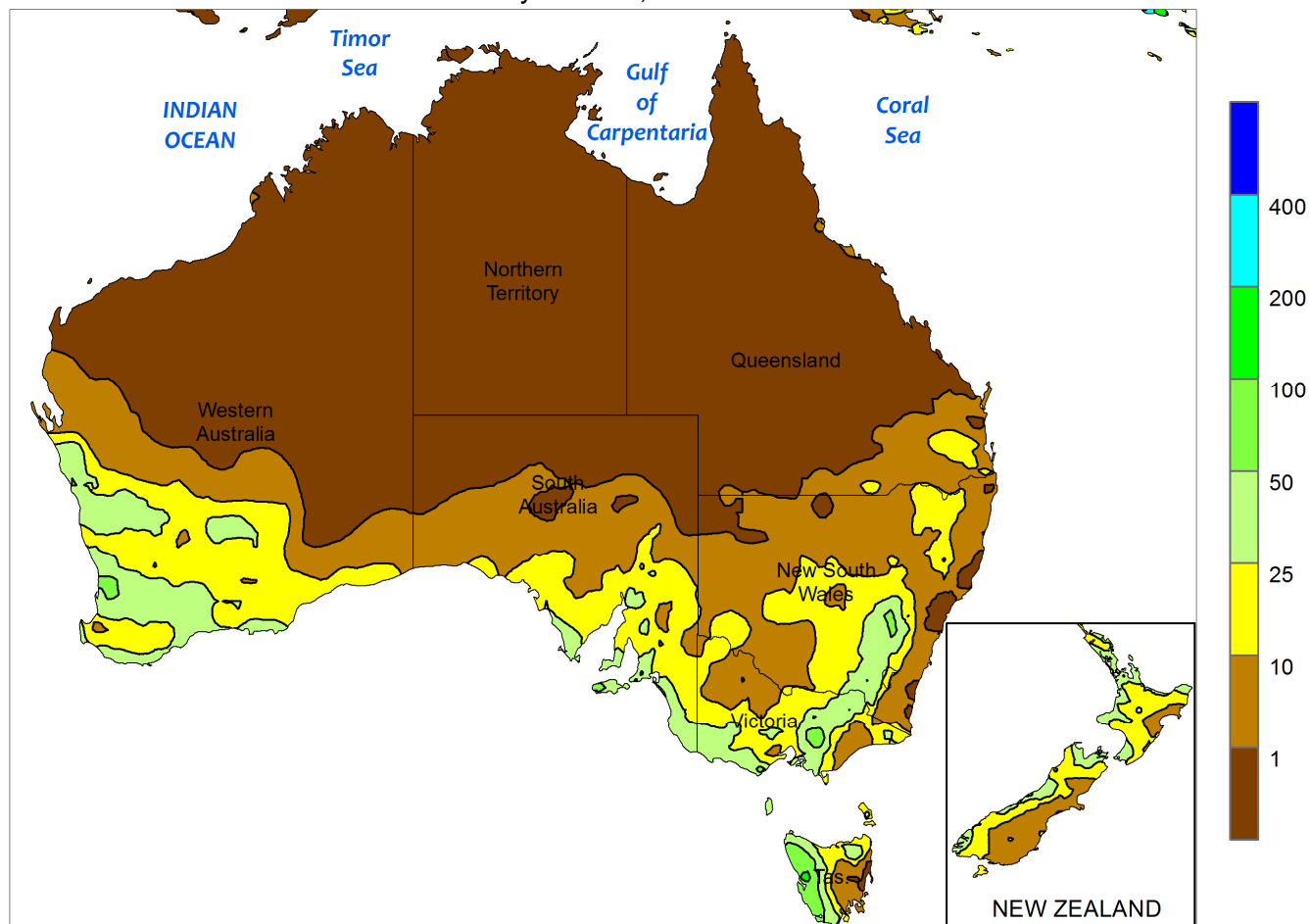


SOUTHEAST ASIA

Monsoon showers (50-200 mm) continued across Thailand and the surrounding areas, with some of the traditionally wetter locales receiving up to 521 mm. With the resurgent monsoon, rainfall totals since June 1 in many areas are above normal and well above last year's accumulations for the same period, greatly benefiting rice and other crops. Similarly, the northern half of the Philippines recorded downpours totaling over 100 mm and up to 826 mm in the

typically wetter portions of western Luzon; in fact, the deluge in western Luzon pushed seasonal (beginning June 1) totals above normal for the first time. In contrast to the wet weather in the northern sections of the region, southern areas (southern Philippines, Malaysia, and Indonesia) were drier than normal. Despite the dry weather, long-term (60-90 days) moisture conditions remained favorable for oil palm and other crops.

AUSTRALIA
Total Precipitation (mm)
July 18 - 24, 2021



Gridded data from the Australian Bureau of Meteorology: www.bom.gov.au/
Creative Commons License found at:
<https://creativecommons.org/licenses/by/3.0/au/legalcode>

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

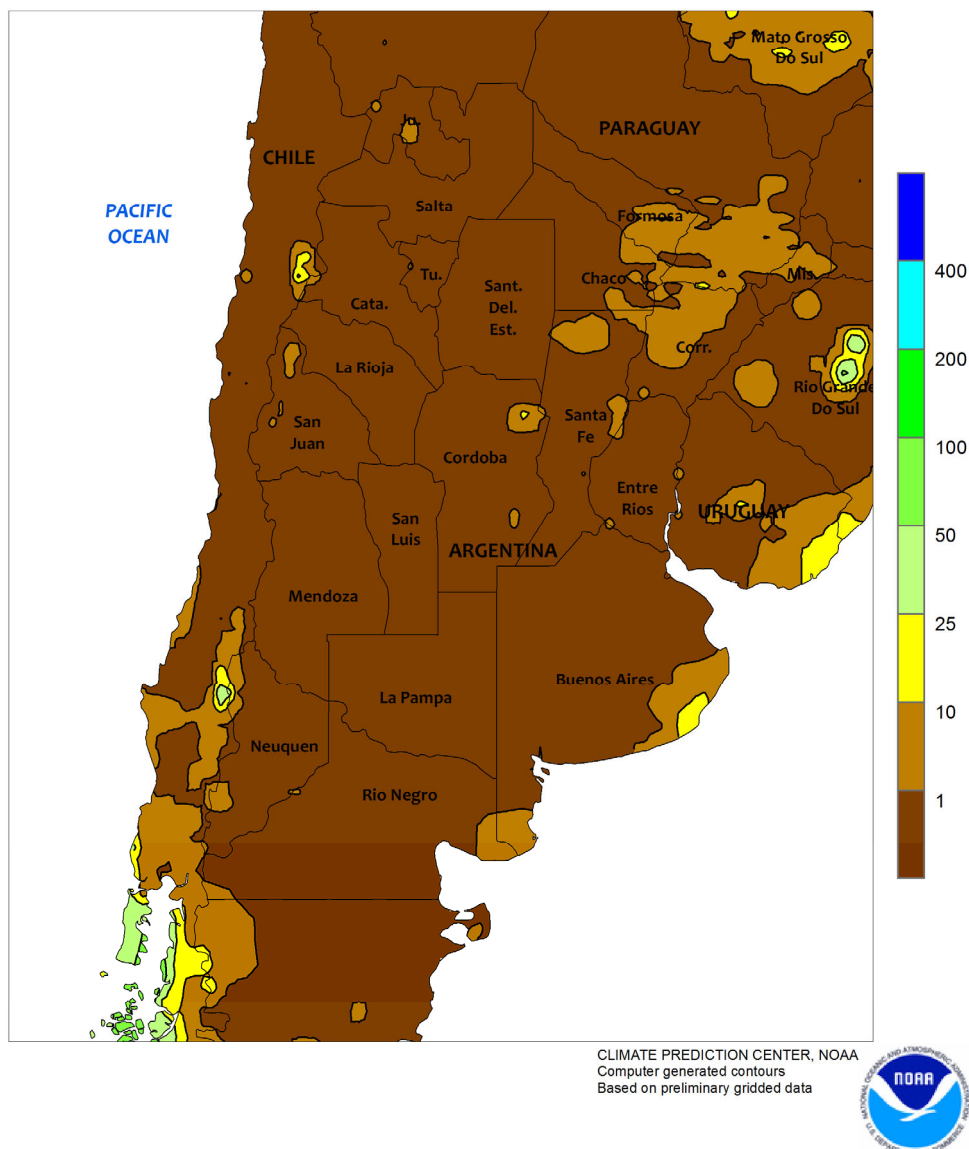


AUSTRALIA

Showers continued across winter grain and oilseed areas of Australia, maintaining favorable soil moisture for vegetative crops. Many locales from southeastern Queensland through New South Wales recorded 5 to 25 mm of rain (more in mountainous areas), while higher totals (10-50 mm) were reported throughout growing areas

of Victoria, South Australia, and Western Australia. Additionally, cooler weather prevailed following unseasonably mild weather during the preceding week, with temperatures 1 to 3°C below normal in the east and near-normal temperatures in the west sustaining good to excellent crop conditions.

ARGENTINA
Total Precipitation (mm)
July 18 - 24, 2021

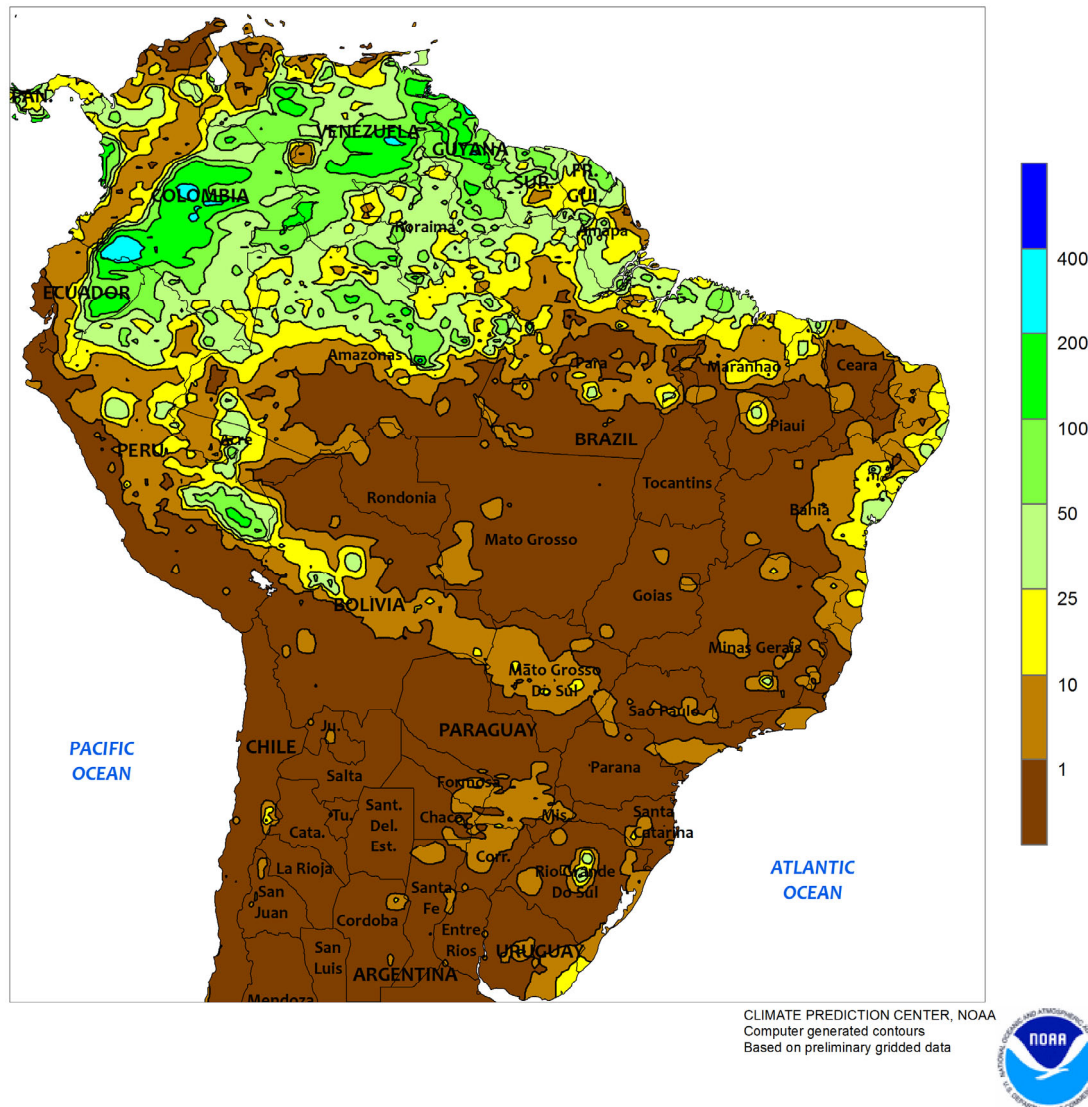


ARGENTINA

Complete dryness dominated all major agricultural areas, supporting the final stages of autumn fieldwork. Measurable rainfall (1-17 mm) was confined to southern and southeastern Buenos Aires, otherwise no rain fell. Weekly average temperatures were near to below normal in northeastern Argentina (Chaco eastward) and up to 2°C above normal elsewhere. Freezes were common

throughout the region, with nighttime lows falling below -5°C in many locations, slowing growth of emerging winter grains. According to the government of Argentina, corn was 83 percent harvested as of July 22, lagging last year by 11 points, and cotton was 95 percent harvested. In addition, wheat and barley were 96 and 98 percent planted, respectively.

BRAZIL
Total Precipitation (mm)
July 18 - 24, 2021

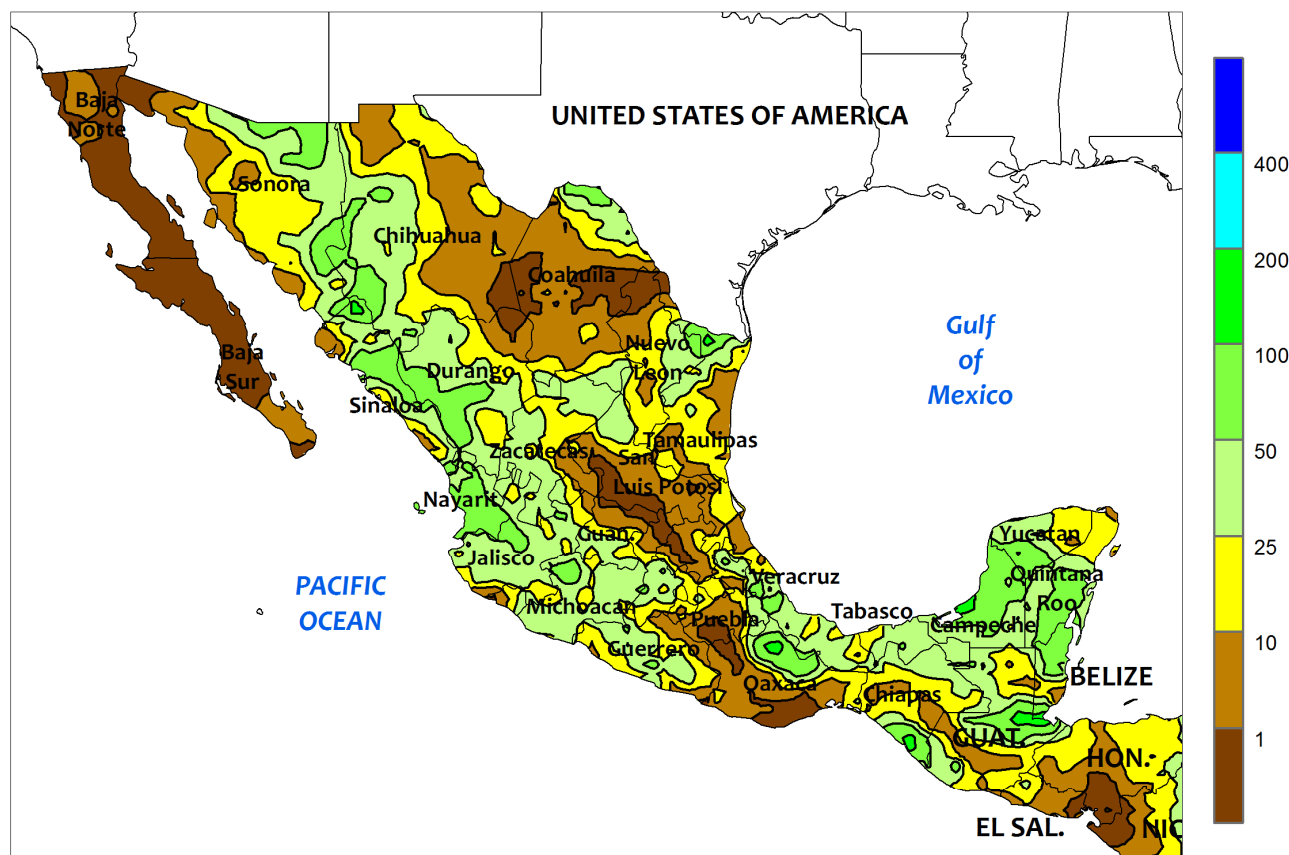


BRAZIL

Dry, unseasonably cold weather covered a broad section of southern Brazil, raising concern for potential impacts on crops vulnerable to freeze damage. Freezing or sub-freezing temperatures (-4 to 0) were recorded as far north as southern Goiás and included farming areas stretching from southern Mato Grosso do Sul eastward through São Paulo into southern Minas Gerais. The freeze extended southward through Rio Grande do Sul and westward into central Paraguay. Crops affected by the freeze may have included

coffee, sugarcane, and corn. According to the government of Paraná, 4 percent of second-crop corn had been harvested as of July 19, with 59 percent of the remainder being mature; only 4 percent of corn crop was reportedly flowering. Mostly dry, seasonably warm weather prevailed farther north, with showers (10-25 mm, locally higher) limited to the northern and eastern coast. According to the government of Mato Grosso, corn and cotton were 73 and 17 percent harvested, respectively, as of July 23.

MEXICO
Total Precipitation (mm)
July 18 - 24, 2021



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

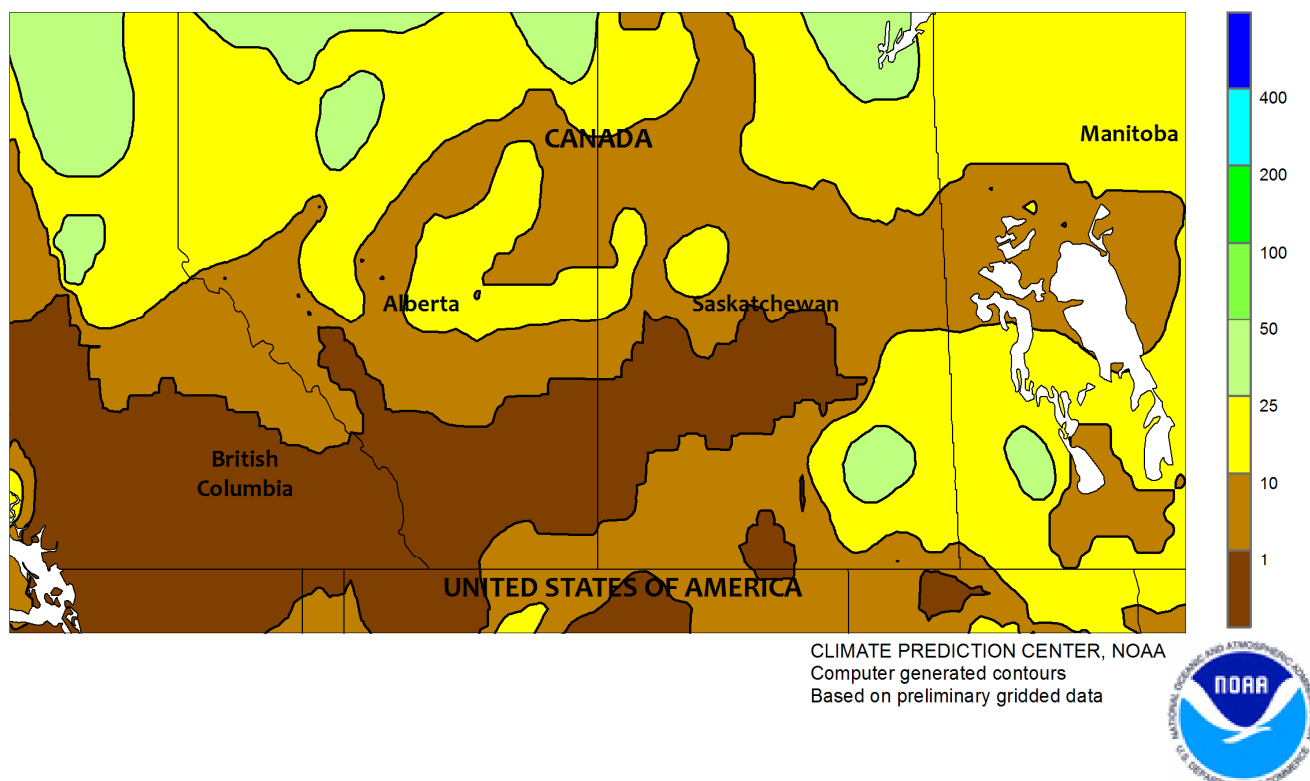


MEXICO

Monsoon showers provided a much-needed boost to reservoirs throughout the northwest. Rainfall totaling 50 to 100 mm stretched from Nayarit northward to the U.S. border, including key watersheds in Sinaloa, Sonora, and western Chihuahua. Similar amounts were recorded across the southern plateau into southeastern Mexico, boosting reservoirs while benefiting

corn and other rain-fed summer crops. Moderate to heavy rain (10-50 mm, locally higher) also fell in northeastern Mexico. However, summer warmth (highest daytime temperatures ranging from the middle 30s to lower 40s degrees C) maintained high water requirements of livestock and crops across much of northern Mexico.

CANADIAN PRAIRIES
Total Precipitation (mm)
July 18 - 24, 2021



CANADIAN PRAIRIES

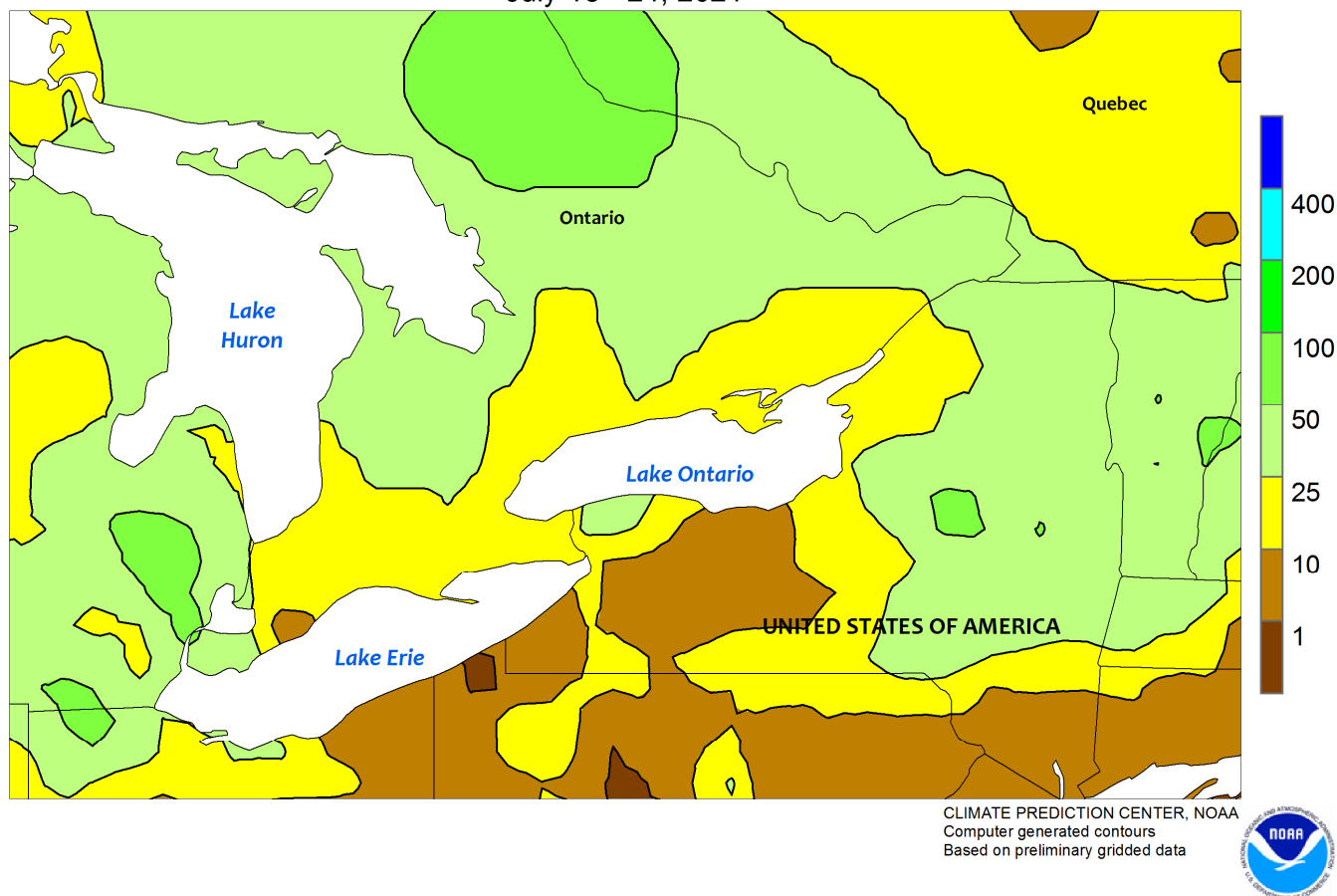
Warm weather sustained a rapid pace of spring crop development across large sections of the region. Weekly temperatures averaged 1 to 2°C above normal in southern Alberta and 2 to 4°C above normal in most agricultural districts of Saskatchewan and Manitoba. These locations recorded high temperatures reaching the lower and middle 30s (degrees C) on several days. In contrast, cooler conditions prevailed in Alberta's northern farming areas, where highest daytime temperatures ranged in the middle and upper 20s. Much-needed

rain (5-25 mm) fell in the aforementioned cooler locations, as well as in the southeast (Manitoba and southeastern Saskatchewan), with dryness prevailing elsewhere. While helping to stabilize the condition of drought-stressed crops, the moisture arrived too late in the growing season to reverse earlier declines in yield potential. According to a report issued July 20 by the government of Manitoba, drought has lowered yield prospects for spring grains, canola, and corn; soybean and forage production, however, will depend on August rainfall.

SOUTHEASTERN CANADA

Total Precipitation (mm)

July 18 - 24, 2021

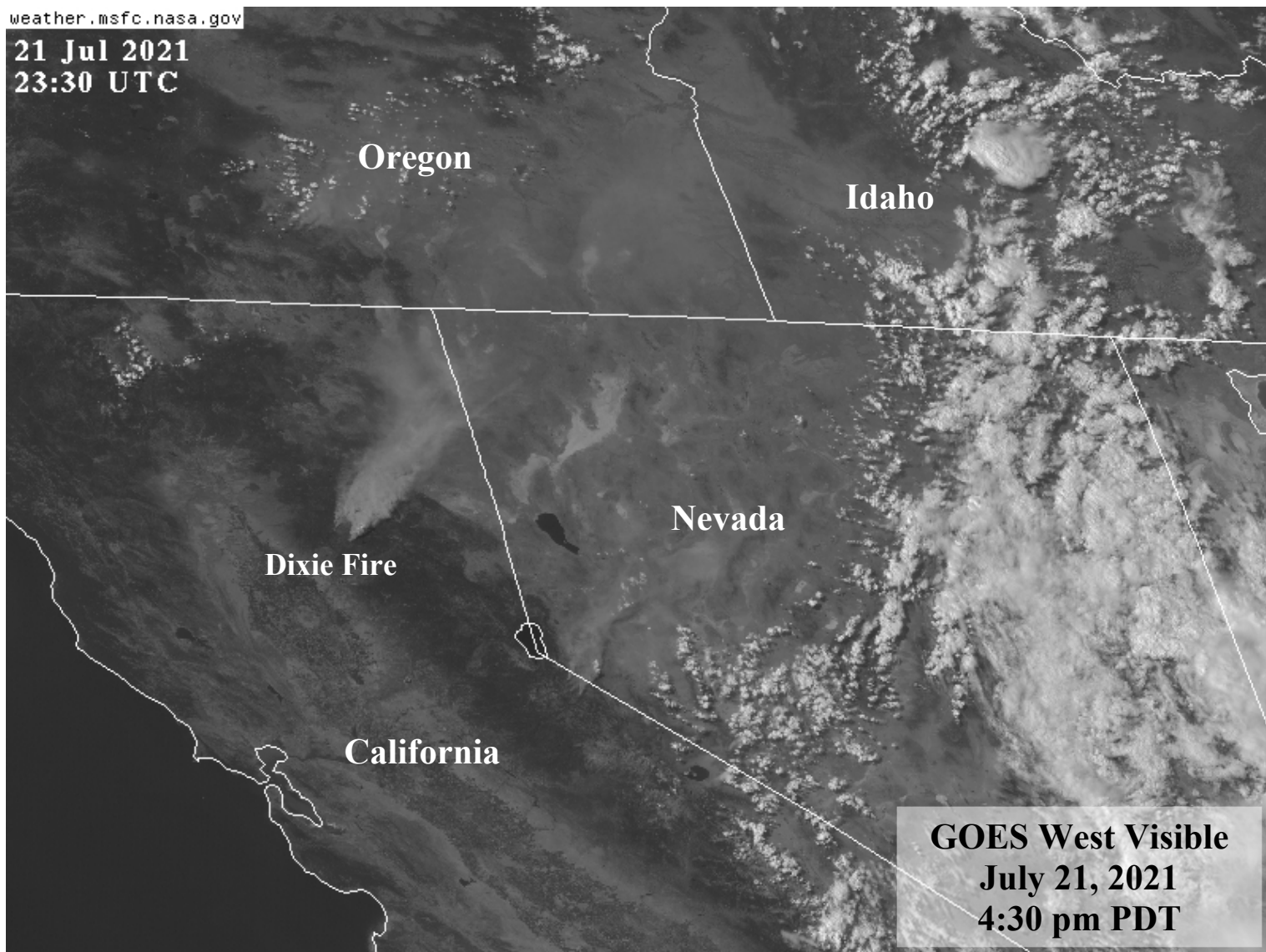


SOUTHEASTERN CANADA

Mild, showery weather continued across the region, maintaining overall favorable prospects for summer crops and forage growth. Rainfall totaled 5 to 50 mm in the region's main agricultural districts, with higher amounts (50-100 mm or more) in Ontario's northern production areas. Weekly

temperatures averaged near to as much as 2°C below normal, with daytime highs mostly reaching the upper 20s (degrees C) on several days, though a few locations reported highs of 30°C. Winter wheat harvesting is well underway, and some second-crop soybean planting may be occurring.

21 Jul 2021
23:30 UTC



GOES West Visible
July 21, 2021
4:30 pm PDT

The *Weekly Weather and Crop Bulletin* (ISSN 0043-1974) is jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. The contents may be redistributed freely with proper credit.

Correspondence to the meteorologists should be directed to:
***Weekly Weather and Crop Bulletin*, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 4443B, Washington, DC 20250.**

Internet URL: www.usda.gov/oce/weather-drought-monitor

E-mail address: brad.rippey@usda.gov

An archive of past *Weekly Weather and Crop Bulletins* can be found at <https://usda.library.cornell.edu/>, keyword search "*Weekly Weather and Crop Bulletin*".

U.S. DEPARTMENT OF AGRICULTURE

World Agricultural Outlook Board

Managing Editor..... **Brad Rippey** (202) 720-2397
Production Editor..... **Brian Morris** (202) 720-3062
International Editor..... **Mark Brusberg** (202) 720-2012
Agricultural Weather Analysts..... **Harlan Shannon**
and **Eric Luebehusen**

National Agricultural Statistics Service

Agricultural Statistician and State Summaries Editor.....
Irwin Anolik (202) 720-7621

U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

National Weather Service/Climate Prediction Center

Meteorologists.....**Brad Pugh, Adam Allgood, and Rich Tinker**

USDA is an equal opportunity provider and employer. To file a complaint of discrimination, write: USDA, Office of the Assistant Secretary for Civil Rights, Office of Adjudication, 1400 Independence Ave., SW, Washington, DC 20250-9410 or call (866) 632-9992 (Toll-Free Customer Service), (800) 877-8339 (Local or Federal relay), (866) 377-8642 (Relay voice users).