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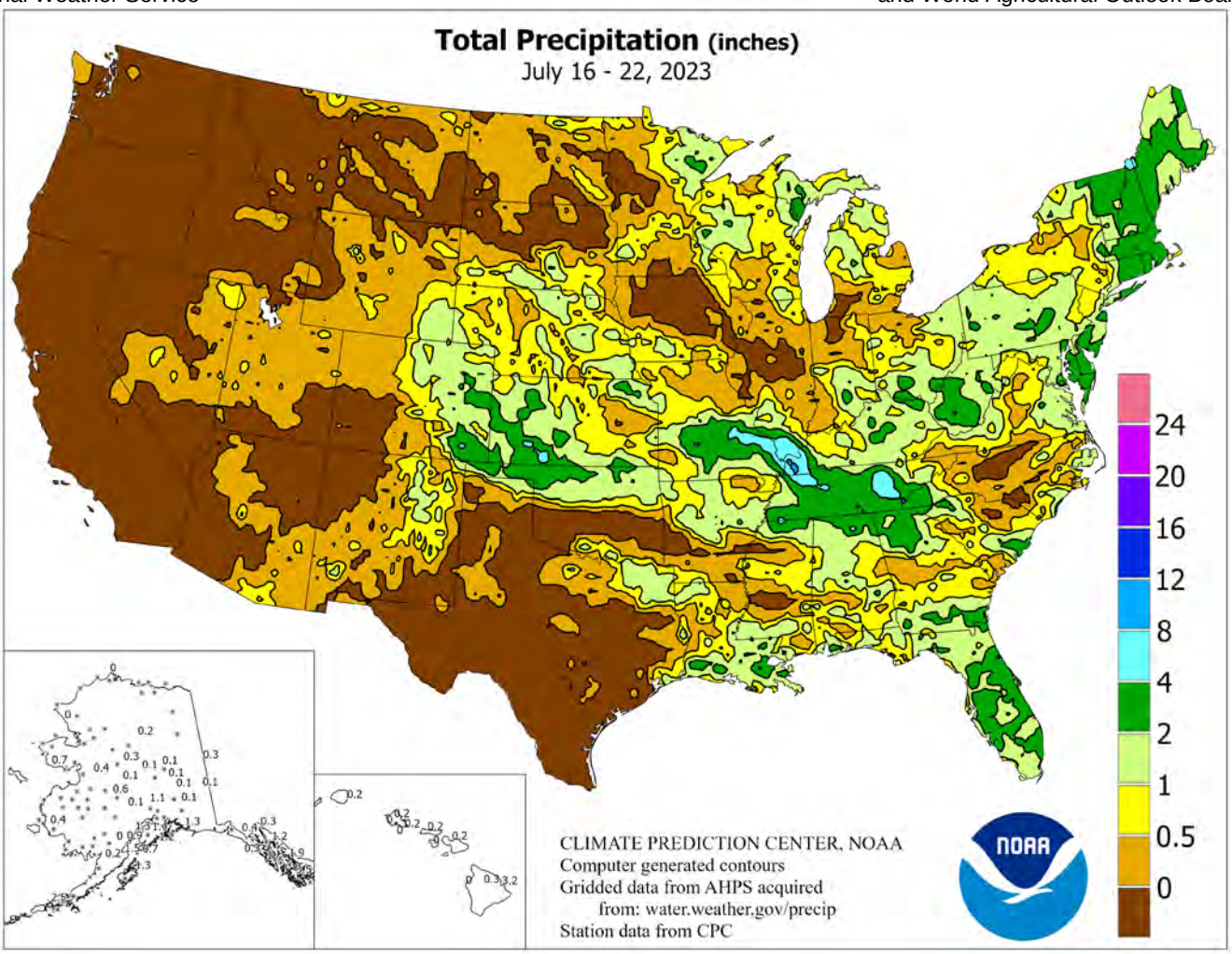
WEEKLY WEATHER AND CROP BULLETIN

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 16 – 22, 2023

Highlights provided by USDA/WAOB

A nearly stationary front boundary draped across the **Plains** and **mid-South** served as a focus not only for a sharp temperature gradient, but also for heavy showers and locally severe thunderstorms. Some of the heaviest rain, locally 4 to 8 inches or more, fell in **southern Illinois**, **western Kentucky**, and environs, leading to extensive flash flooding. Heavy showers (locally 2 to 4 inches) extended to other areas, including **New England**, **Florida's peninsula**, and the **central Plains**, as well as **northern Oklahoma**. However, some areas **east of the**

(Continued on page 3)

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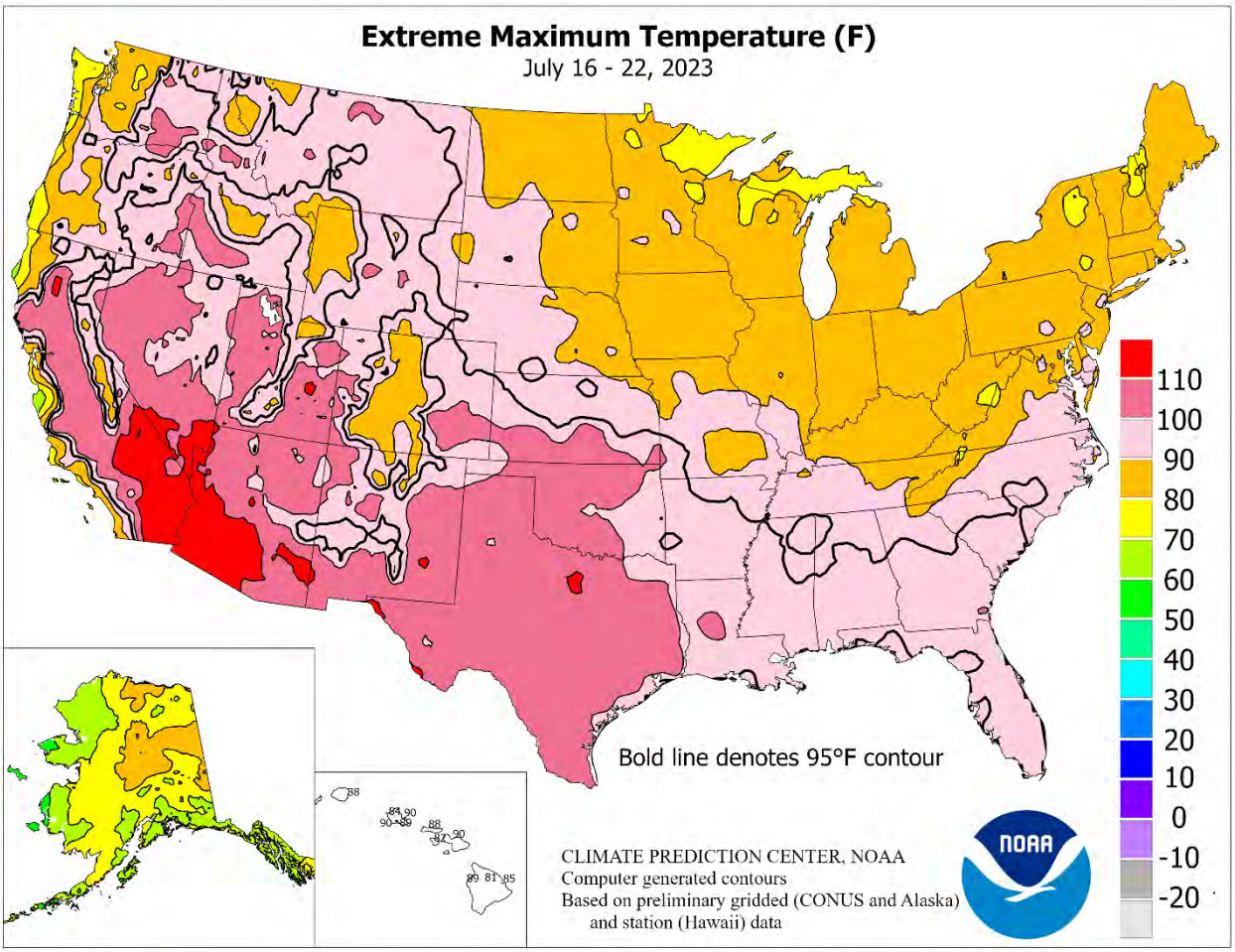
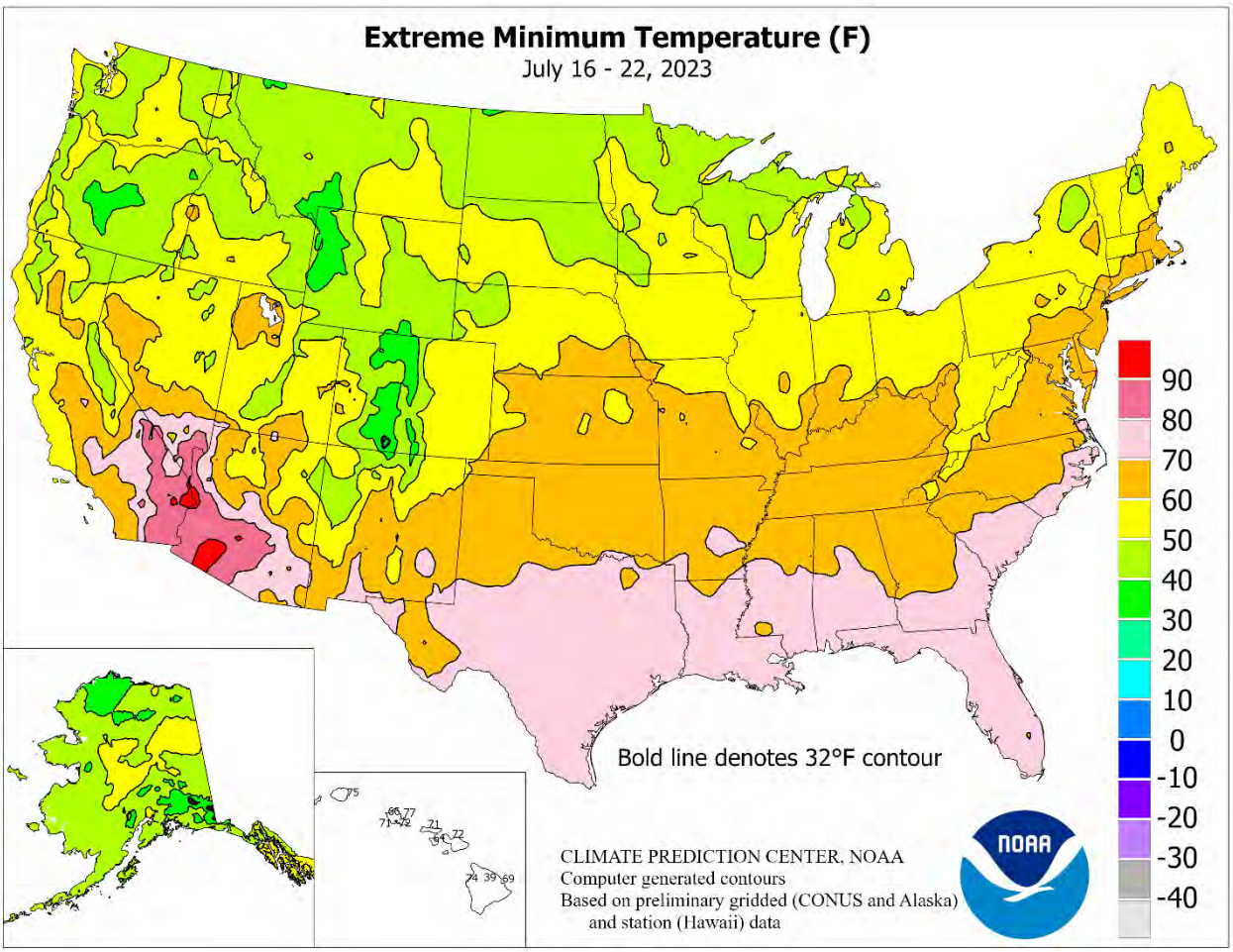
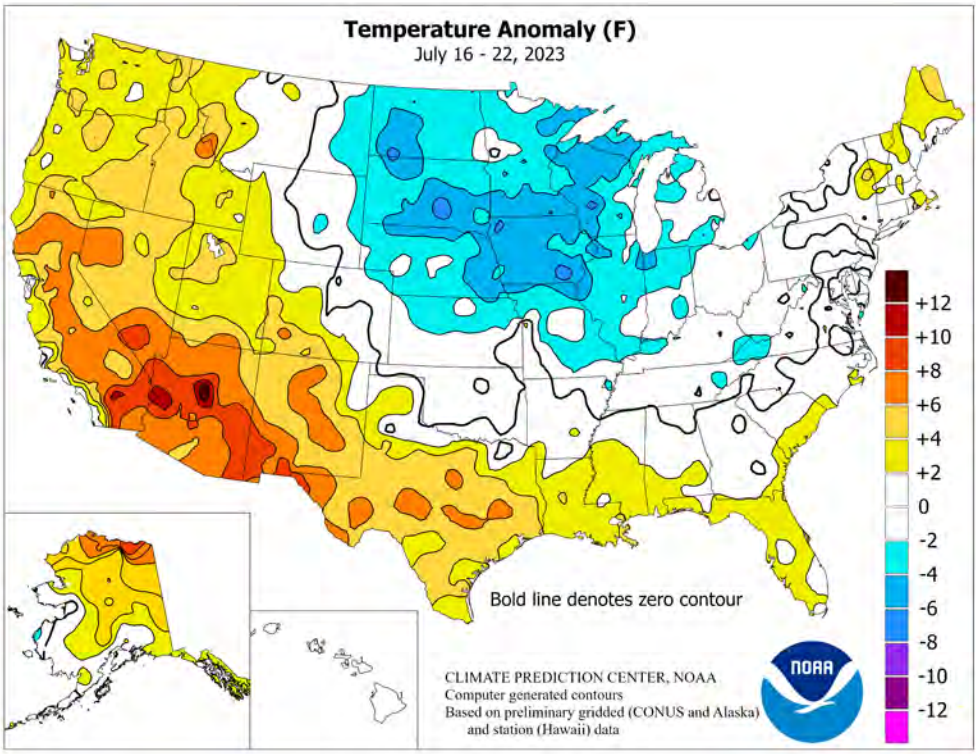

Extreme Maximum Temperature (F)
July 16 - 22, 2023
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data
NOAA


Extreme Minimum Temperature (F)
July 16 - 22, 2023
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data
NOAA

(Continued from front cover)

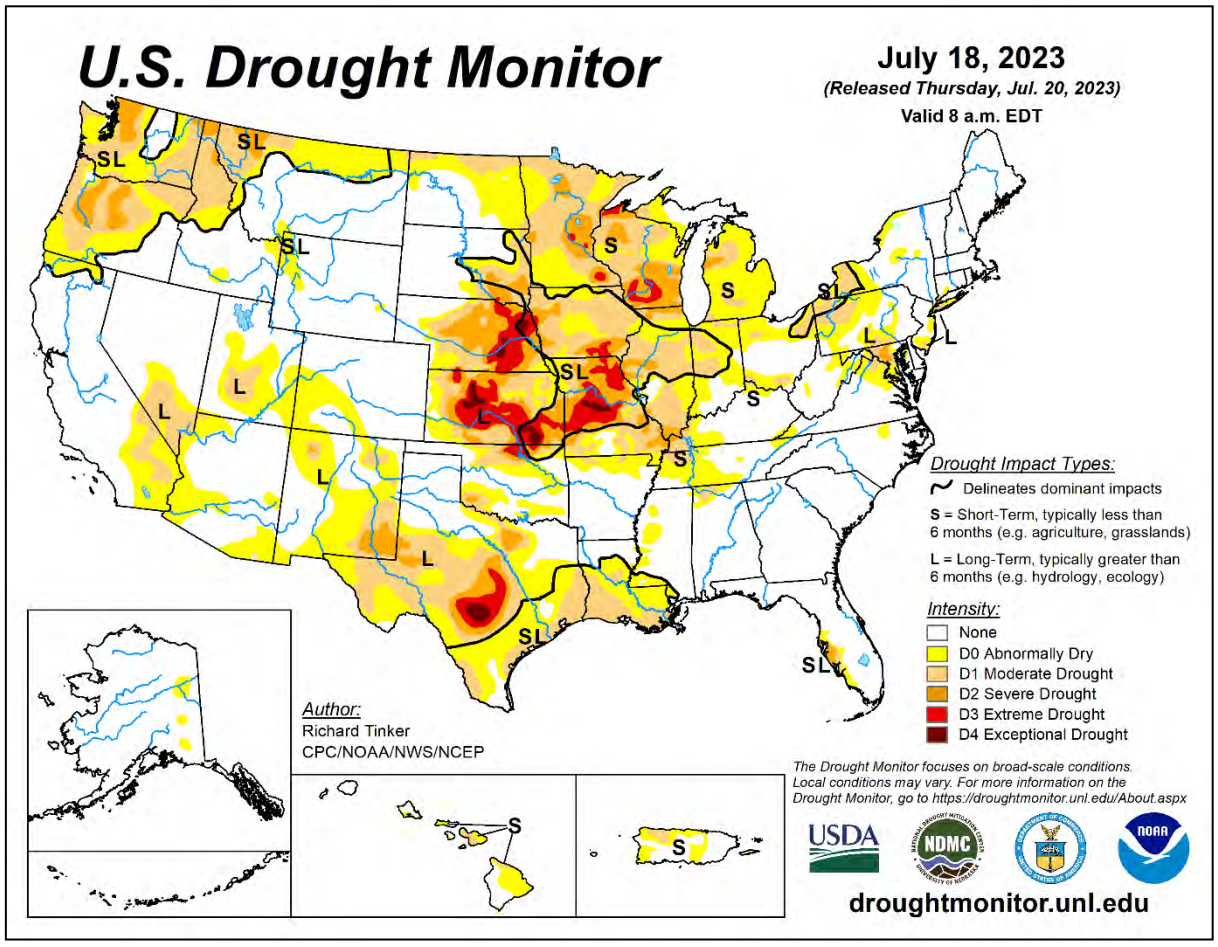
Rockies—including the **northern Plains**, **upper Midwest**, and **south-central U.S.**—missed out on the rain, resulting in varying degrees of stress on rain-fed summer crops. Farther west, a weak and erratic monsoon circulation delivered spotty **Southwestern** showers, but most of the **western U.S.** experienced hot, dry weather. Weekly temperatures averaged 5 to 10°F above normal in many locations from **California to Texas**, including the **Desert Southwest**. Still, given the bounteous 2022-23 **Western** winter wet season, the onset of significant and widespread wildfire activity has been delayed. Through July 24, U.S. wildfires had charred fewer than 874,000 acres, just 25 percent of the 10-year average of 3.5 million acres. Elsewhere, weekly temperatures averaged at least 5°F below normal across portions of the **northern Plains** and **upper Midwest**, with slightly cooler-than-normal conditions extending across the remainder of the **Corn Belt**.

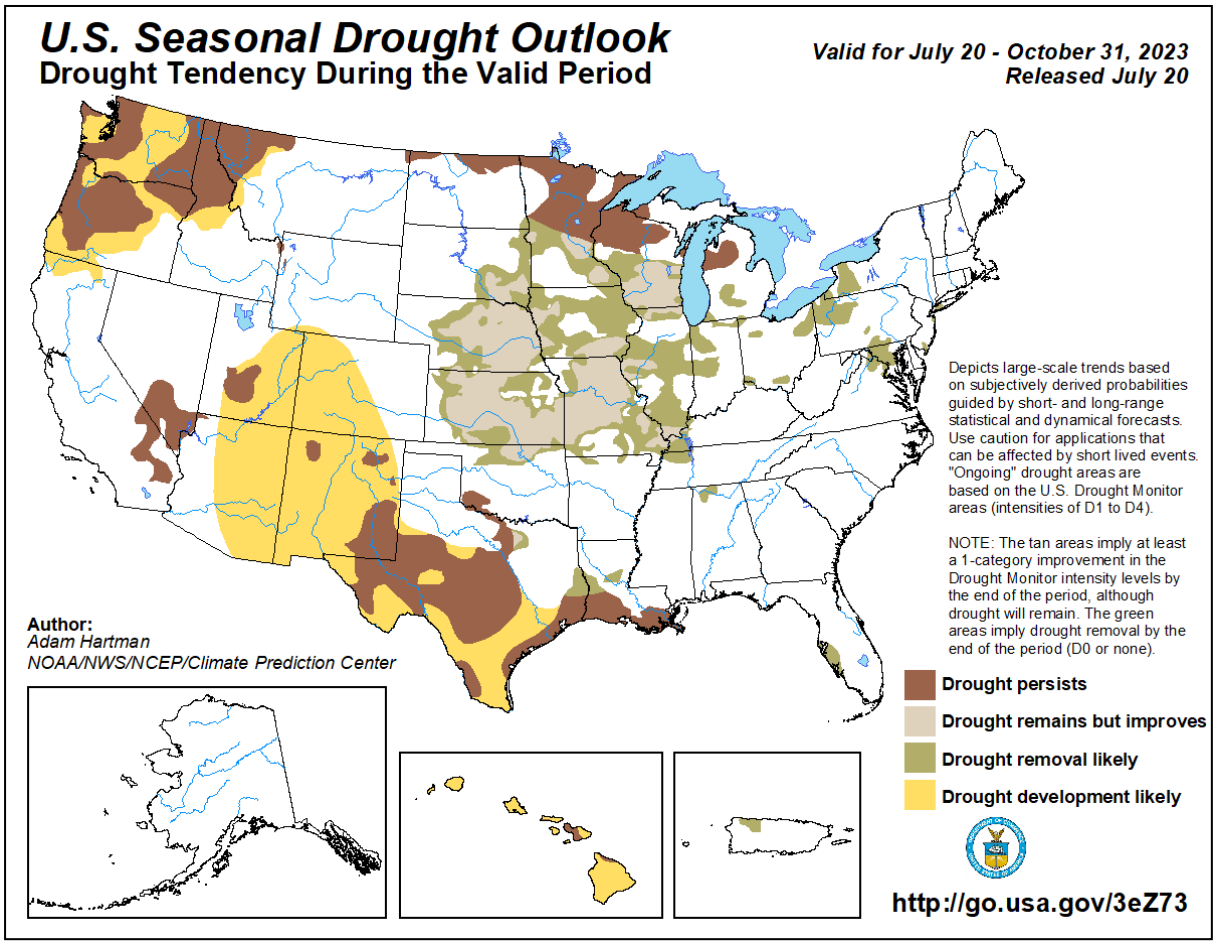


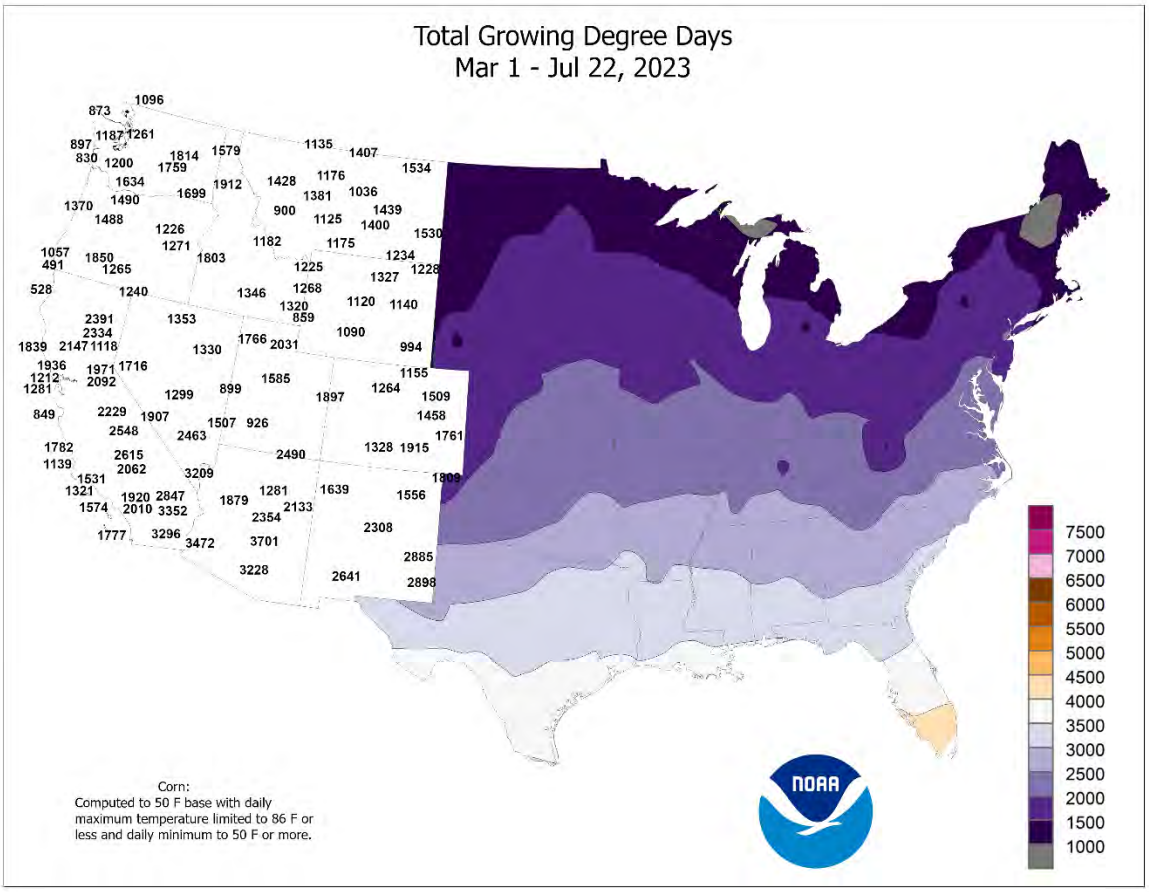
Hot, humid conditions across the **Deep South** helped to hold temperatures above 70°F all week from **central, southern, and eastern Texas to the southern Atlantic Coast**. In **Key West, FL**, where records go back more than 150 years, a low temperature of 87°F on July 18 tied an all-time station mark. Similarly, readings remained above 80°F at lower elevations of the **Desert Southwest**, with **Phoenix, AZ**, reporting a low of 97°F—highest minimum temperature on record in that location—on July 19. In **Phoenix**, where the temperature last fell below 90°F on July 9, several other records were set. For example, July 22 was the 23rd consecutive day in **Phoenix** with a maximum temperature of 110°F or greater, surpassing an 18-day streak from June 12-29, 1974. Additionally, **Phoenix** noted highs of 115°F or greater on each of the 6 days from July 17-22, tying a record initially set from June 15-20, 2021. The heat wave in **Phoenix** peaked with highs of 119°F on July 19-20, leaving only three hotter days on the books: 122°F on June 26, 1990; 121°F on July 28, 1995; and 120°F on June 25, 1990. All-time records were approached or tied in several other **Western** locations, including **Grand Junction, CO**, where the high of 107°F on July 17 matched the station record originally set on July 9, 2021. **Reno, NV**, also tied a station record, posting a high of 108°F on July 16. **Death Valley, CA**, topped the 120-degree mark each day starting July 14, peaking at 128°F on the 16th. Minimum temperatures in **Death Valley** remained above 100°F on July 17 and 18. At times, triple-digit, daily-record highs extended into the **Northwest** and **Southeast**. In the latter region, July 21 featured daily-record highs for **St. Simons Island, GA** (102°F), and **Tallahassee, FL** (100°F). Meanwhile, **Northwestern** daily-record highs included 101°F (on July 16) in **Burns, OR**, and 101°F (on July 20) in **Ellensburg, WA**. **California's** heat generally peaked late in the week with daily-record highs of 120°F (on July 21) in **Palm Springs** and 113°F (on July 22) in **Redding**. Late-week heat also expanded across the **northern High Plains**, where **Helena, MT** (103°F), collected a daily-record high for July 22. In contrast, cool weather in the **upper Midwest** led to scattered daily-record lows, including a reading of 48°F (on July 17) in **Sisseton, SD**.

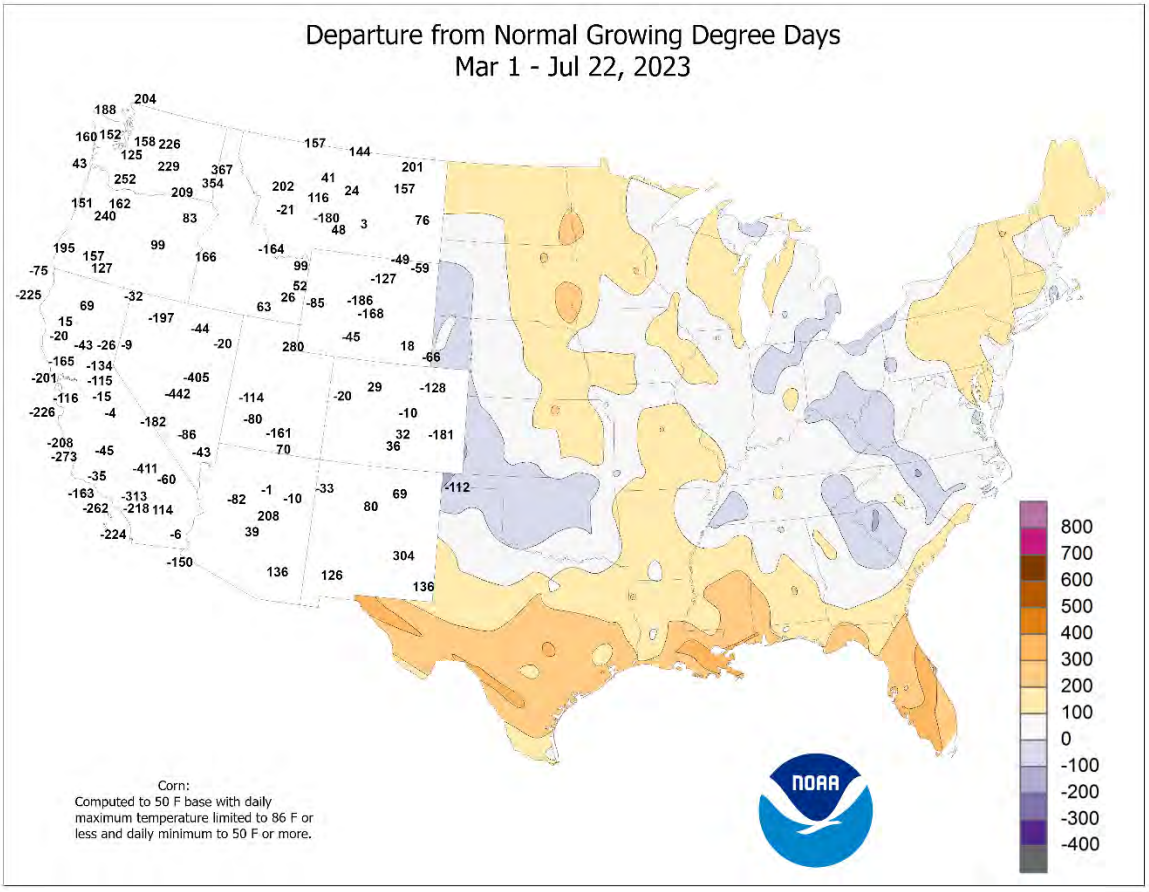
As the week began, another round of **Northeastern** rain caused local flooding. Record-setting rainfall totals for July 16 reached 4.65 inches in **Islip, NY**, and 3.35 inches in **Providence, RI**. For **Islip**, the previous wettest July day had occurred in 1969, when 3.75 inches fell on the 28th. Periodic heavy showers also affected **Florida**, where daily-record amounts ranged from 2 to 4 inches or more in locations such as **Punta Gorda** (4.22 inches on July 19) and **Leesburg** (2.45 inches on July 18). Daily-record totals locally topped 2 inches in other areas, with **Albany, NY**, reporting 2.31 inches on July 18 and **Hibbing, MN**, receiving 2.31 inches on July 19. However, the flood highlight of the week was the deluge that struck **western Kentucky** and portions of neighboring states on July 18-19. A preliminary state 24-hour rainfall record was broken near **Mayfield, Graves County, KY**, where a preliminary total of 11.28 inches fell. The same general area had been devastated by the historic **mid-South** tornado outbreak of December 10-11, 2021, during which 24 of the 89 tornado-related fatalities occurred in **Graves County**. Elsewhere in **western Kentucky**, **Paducah** endured its second-wettest calendar day on record, with 6.95 inches on July 19. The only wetter day in **Paducah** was September 5, 1985, when 7.49 inches fell; the wettest July day had occurred in 1983, when 5.48 inches fell on the 3rd. Later, downpours dotted other areas of the **interior Southeast**, with daily-record amounts in **Tennessee** reaching 3.28 inches (on July 20) in **Crossville** and 4.53 inches (on July 21) in **Memphis**.

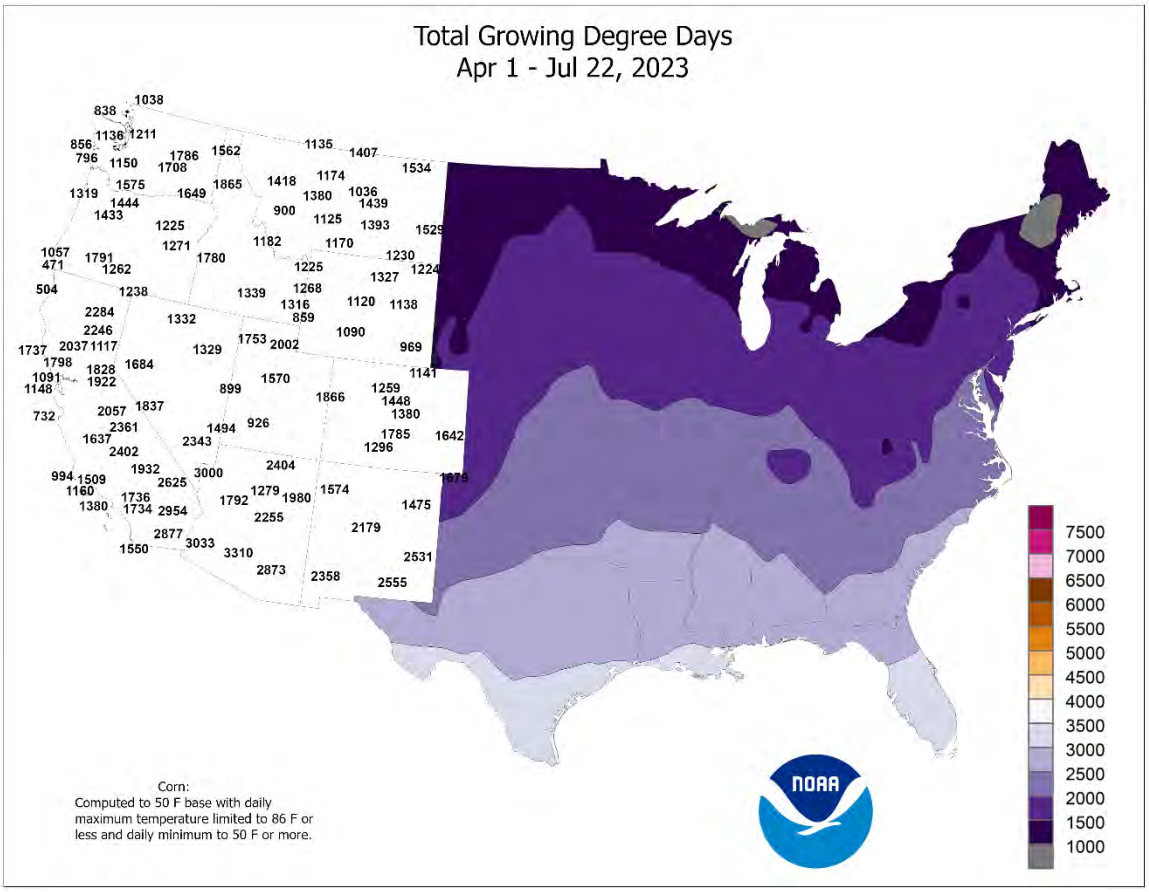
Mid-summer warmth dominated **Alaska**, especially along and near the **Arctic Coast**. **Utqiagvik** posted several daily-record highs, including a reading of 74°F on July 19 that represented the highest temperature in that location since July 14, 2009. The weekly average temperature of 53.5°F in **Utqiagvik** was nearly 12°F above normal. **Fairbanks** attained 85°F for the first time this year on July 22, followed 2 days later by a daily-record high of 90°F. A reading of 90°F or higher had not occurred in **Fairbanks** since June 9, 2017—and not in July since 2009. Meanwhile, significant precipitation across **mainland Alaska** was scarce, although July 16-22 totals topped an inch in southern locations such as **Kodiak** (1.17 inches), **Anchorage** (1.26 inches), **Juneau** (1.28 inches), and **Cold Bay** (2.54 inches). In **southeastern Alaska**, **Ketchikan** received rainfall totaling 2.10 inches on July 18. Farther south, decaying Tropical Storm Calvin passed south of the **Big Island of Hawaii** during the night of July 18-19. At its closest approach to the **Big Island**, late on the 18th, westbound Calvin passed about 150 miles south of **Hilo**. Tropical impacts included heavy rain—6 to 8 inches in a few spots on the **Big Island** and isolated totals greater than 4 inches on **Maui**—and gusty winds. Higher wind gusts included 72 mph on **Maui (summit of Haleakala)** and 70 mph on the **Big Island (Mauna Kea)**. At lower elevations of the **Big Island**, a gust to 50 mph was reported at **Kohala Ranch**. **Hilo** measured 2.76 inches of rain on July 18-19, helping to boost its month-to-date total to 4.29 inches (68 percent of normal).

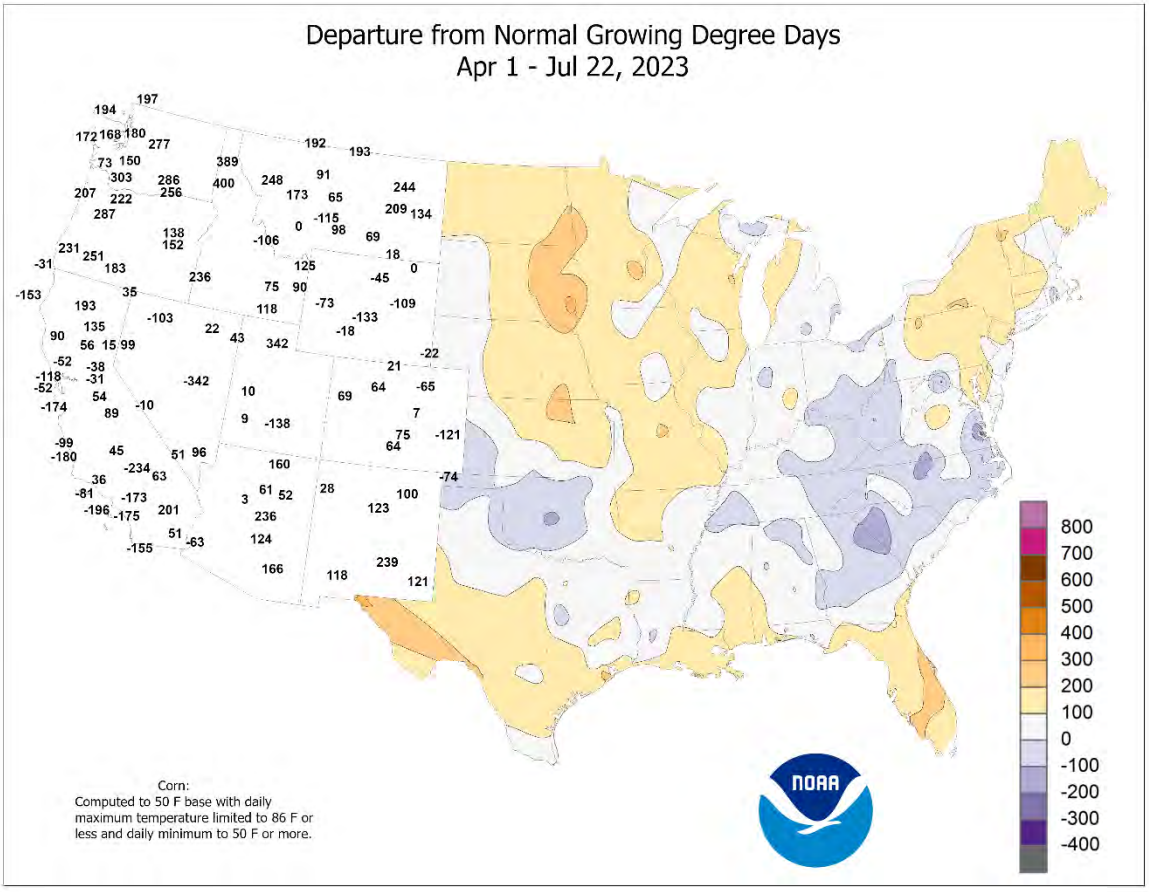

U.S. Drought Monitor
July 18, 2023
(Released Thursday, Jul. 20, 2023)
Valid 8 a.m. EDT
Drought Impact Types:
Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought
Author:
Richard Tinker
CPC/NOAA/NWS/NCEP
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx
USDA
NDMC
NOAA
droughtmonitor.unl.edu


U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid for July 20 - October 31, 2023
Released July 20
Author:
Adam Hartman
NOAA/NWS/NCEP/Climate Prediction Center
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).
Drought persists
Drought remains but improves
Drought removal likely
Drought development likely
http://go.usa.gov/3eZ73


Total Growing Degree Days
Mar 1 - Jul 22, 2023
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000


Departure from Normal Growing Degree Days
Mar 1 - Jul 22, 2023
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400


Total Growing Degree Days
Apr 1 - Jul 22, 2023
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000


Departure from Normal Growing Degree Days
Apr 1 - Jul 22, 2023
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400

National Weather Data for Selected Cities

Weather Data for the Week Ending July 22, 2023

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE ˚F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. ˚F		NUMBER OF DAYS 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
AK	ANCHORAGE	66	54	72	51	60	0	1.38	0.96	0.80	4.97	224	9.72	173	97	65	0	0	4	1
	BARROW	62	45	74	33	53	0	0.02	-0.21	0.02	1.98	186	4.54	220	92	67	0	0	1	0
	FAIRBANKS	78	58	85	54	68	6	0.13	-0.40	0.13	2.33	76	5.11	93	88	42	0	0	1	0
	JUNEAU	67	54	71	53	60	3	1.24	0.04	0.52	5.76	77	28.31	99	99	67	0	0	5	1
	KODIAK	61	51	65	46	56	-1	1.33	0.30	0.73	12.92	154	37.94	95	97	76	0	0	5	1
	NOME	57	48	66	45	53	1	0.68	0.11	0.31	2.97	119	8.94	132	100	86	0	0	3	0
AL	BIRMINGHAM	92	73	96	71	83	1	0.99	-0.26	0.51	5.48	63	31.75	92	89	50	6	0	3	1
	HUNTSVILLE	89	71	94	69	80	-1	1.68	0.71	0.83	7.35	99	29.17	89	100	49	5	0	3	2
	MOBILE	96	75	97	73	86	4	1.65	-0.11	1.42	11.68	96	36.64	94	92	46	7	0	2	1
	MONTGOMERY	94	75	97	73	85	2	1.23	0.07	0.89	10.78	138	31.70	104	94	53	7	0	4	1
AR	FORT SMITH	93	74	100	70	84	0	0.39	-0.30	0.39	8.43	118	27.07	99	91	49	5	0	1	0
	LITTLE ROCK	92	76	97	72	84	3	0.94	0.21	0.94	7.43	124	40.94	140	88	54	5	0	1	1
AZ	FLAGSTAFF	93	56	96	49	74	7	0.00	-0.69	0.00	0.43	22	17.81	184	48	13	7	0	0	0
	PHOENIX	117	94	119	92	106	10	0.00	-0.25	0.00	0.00	0	2.81	80	31	11	7	0	0	0
	PRESCOTT	100	70	103	65	85	8	0.05	-0.42	0.04	0.05	3	5.97	101	47	13	7	0	2	0
	TUCSON	111	80	112	77	96	8	0.45	-0.13	0.45	0.45	26	3.94	90	51	14	7	0	1	0
CA	BAKERSFIELD	106	79	109	74	92	7	0.00	0.00	0.00	0.35	676	7.17	162	41	16	7	0	0	0
	EUREKA	64	55	67	53	60	2	0.00	-0.03	0.00	0.11	12	20.90	86	90	82	0	0	0	0
	FRESNO	106	77	108	72	92	8	0.00	0.00	0.00	0.00	0	12.44	161	56	18	7	0	0	0
	LOS ANGELES	74	64	76	63	69	-1	0.00	-0.01	0.00	0.01	11	19.07	222	96	68	0	0	0	0
	REDDING	108	73	112	68	91	7	0.00	-0.01	0.00	0.14	17	28.26	133	51	8	7	0	0	0
	SACRAMENTO	99	64	106	57	81	5	0.00	0.00	0.00	0.00	0	13.29	110	74	23	7	0	0	0
	SAN DIEGO	76	66	77	65	71	0	0.00	-0.02	0.00	0.03	30	11.05	165	91	67	0	0	0	0
	SAN FRANCISCO	73	57	78	55	65	1	0.00	0.00	0.00	0.01	8	19.90	158	86	54	0	0	0	0
	STOCKTON	103	65	108	60	84	6	0.00	0.00	0.00	0.00	0	13.27	149	72	19	7	0	0	0
CO	ALAMOSA	91	49	95	41	70	5	0.00	-0.25	0.00	0.16	14	2.12	62	76	13	5	0	0	0
	CO SPRINGS	87	59	95	57	73	1	0.50	-0.27	0.39	12.20	280	19.86	216	80	26	2	0	2	0
	DENVER INTL	89	61	97	52	75	-1	0.19	-0.35	0.11	7.08	208	15.26	171	77	27	4	0	2	0
	GRAND JUNCTION	101	68	107	65	84	5	0.00	-0.14	0.00	0.27	34	4.28	94	39	12	7	0	0	0
	PUEBLO	97	62	105	58	80	2	0.23	-0.24	0.15	4.53	179	8.69	122	81	23	6	0	2	0
CT	BRIDGEPORT	82	71	87	67	76	0	2.73	1.98	1.45	7.86	130	24.38	101	93	60	0	0	3	2
	HARTFORD	84	67	88	61	76	1	3.41	2.46	1.53	12.63	177	33.21	132	96	57	0	0	3	2
DC	WASHINGTON	88	72	90	69	80	-1	0.94	-0.05	0.51	7.28	98	17.35	73	87	48	1	0	3	1
DE	WILMINGTON	86	71	90	66	79	1	3.61	2.57	2.39	19.74	253	30.64	122	92	56	2	0	4	2
FL	DAYTONA BEACH	92	76	97	74	84	2	2.85	1.56	1.41	12.81	113	25.64	99	94	60	5	0	4	2
	JACKSONVILLE	97	75	98	74	86	3	0.33	-1.21	0.18	8.77	70	22.52	79	92	48	7	0	3	0
	KEY WEST	92	84	94	80	88	3	0.09	-0.72	0.06	2.69	39	6.89	40	79	63	7	0	3	0
	MIAMI	94	80	97	75	87	3	0.86	-0.64	0.32	13.65	86	35.75	112	88	56	7	0	5	0
	ORLANDO	94	77	97	76	85	3	2.66	0.98	1.44	11.35	85	19.72	72	95	55	7	0	3	2
	PENSACOLA	94	78	98	74	86	3	0.77	-1.06	0.42	20.67	160	41.54	111	85	51	7	0	2	0
	TALLAHASSEE	96	75	100	74	86	3	1.59	0.03	1.58	10.85	85	30.92	92	97	50	7	0	2	1
	TAMPA	94	80	96	76	87	3	0.11	-1.61	0.04	5.84	45	13.20	51	86	54	7	0	4	0
	WEST PALM BEACH	92	76	95	73	84	1	4.92	3.77	2.00	19.68	158	37.71	123	94	61	6	0	6	3
GA	ATHENS	91	69	93	67	80	-1	1.19	0.31	0.69	11.64	147	36.81	132	98	50	5	0	3	1
	ATLANTA	93	73	96	71	83	2	0.16	-0.87	0.12	6.01	74	26.74	91	87	45	6	0	2	0
	AUGUSTA	94	71	95	69	82	-1	0.69	-0.32	0.55	9.91	125	35.83	140	97	48	7	0	3	1
	COLUMBUS	94	75	97	71	84	1	0.48	-0.47	0.38	12.58	177	33.66	120	95	46	6	0	2	0
	MACON	96	72	99	68	84	1	0.05	-0.97	0.04	6.84	85	29.96	110	97	45	6	0	2	0
	SAVANNAH	96	75	99	73	86	3	0.17	-1.12	0.11	8.17	76	25.80	94	88	40	7	0	3	0
HI	HILO	84	72	85	69	78	1	3.19	1.02	2.70	8.72	64	69.03	113	97	64	0	0	7	1
	HONOLULU	88	76	89	72	82	0	0.04	-0.07	0.03	0.56	65	9.63	112	85	51	0	0	2	0
	KAHULUI	88	74	90	72	81	1	0.19	0.06	0.19	0.48	91	9.29	96	86	52	2	0	1	0
	LIHUE	87	77	88	75	82	2	0.21	-0.19	0.10	1.81	60	30.13	156	85	60	0	0	6	0
IA	BURLINGTON	81	62	84	58	71	-5	0.16	-0.73	0.16	9.14	116	19.89	89	97	54	0	0	1	0
	CEDAR RAPIDS	82	56	86	52	69	-3	0.00	-0.96	0.00	3.39	38	10.67	51	93	42	0	0	0	0
	DES MOINES	82	62	87	56	72	-4	0.05	-0.76	0.05	5.48	68	16.30	74	90	48	0	0	1	0
	DUBUQUE	80	57	84	53	68	-4	0.06	-1.04	0.06	3.74	43	14.43	65	94	47	0	0	1	0
	SIOUX CITY	83	58	89	55	70	-4	0.11	-0.60	0.10	4.41	65	13.87	81	98	50	0	0	2	0
	WATERLOO	82	58	86	54	70	-5	0.00	-0.91	0.00	5.78	64	14.57	67	90	46	0	0	0	0
ID	BOISE	101	68	105	60	85	6	0.00	-0.04	0.00	0.25	27	5.18	70	39	12	7	0	0	0
	LEWISTON	98	66	105	59	82	5	0.00	-0.09	0.00	1.01	62	4.41	53	44	14	6	0	0	0
	POCATELLO	96	56	100	53	76	4	0.00	-0.11	0.00	0.38	29	6.62	92	74	17	7	0	0	0
IL	CHICAGO/O_HARE	83	65	87	63	74	-2	0.01	-0.83	0.01	8.09	121	20.78	97	80	39	0	0	1	0
	MOLINE	85	60	88	56	73	-3	0.00	-0.93	0.00	4.00	49	14.68	64	88	42	0	0	0	0
	PEORIA	84	64	89	60	74	-3	0.00	-0.80	0.00	4.87	77	17.81	82	95	47	0	0	0	0
	ROCKFORD	82	58	85	54	70	-4	0.78	-0.05	0.78	4.22	53	17.77	82	95	43	0	0	1	1
	SPRINGFIELD	84	62	89	57	73	-4	0.00	-0.89	0.00	5.29	71	17.85	78	96	56	0	0	0	0
IN	EVANSVILLE	86	69	88	64	78	-1	0.30	-0.68	0.29	5.04	65	28.15	96	91	53	0	0	2	0
	FORT WAYNE	82	60	86	57	71	-3	1.71	0.81	1.66	5.65	76	22.48	97	95	52	0	0	2	1
	INDIANAPOLIS	84	65	87	63	74	-2	1.68	0.69	0.96	6.65	80	24.05	90	94	56	0	0	3	2
	SOUTH BEND	82	59	87	55	71	-2	0.85	0.01	0.85	5.28	79	21.39	98	89	41	0	0	1	1
KS	CONCORDIA	90	67	96	63	78	-1	0.76	-0.21	0.67	5.44	79	12.49	74	91	47	3	0	4	1
	DODGE CITY	93	66	103	62	80	-1	3.43	2.74	2.97	11.74	214	16.66	128	93	42	5	0	4	1
	GOODLAND	87	63	95	59	75	-1	1.69	0.98	0.89	9.41	185	15.32	136	95	48	3	0	3	2
	TOPEKA	87	68	92	62	78	-2	0.24	-0.68	0.12	3.74	47	13.90	65	93	57	2	0	2	0

Based on 1991-2020 normals

***** Not Available**

Weather Data for the Week Ending July 22, 2023

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS 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
	WICHITA	91	70	101	64	80	-1	0.58	-0.27	0.39	9.22	118	15.50	76	92	49	4	0	3	0
KY	LEXINGTON	86	68	88	64	77	0	1.74	0.53	1.01	11.22	130	30.38	101	89	52	0	0	3	1
	LOUISVILLE	87	70	89	68	78	-2	0.88	-0.03	0.86	7.83	110	28.97	101	85	53	0	0	2	1
	PADUCAH	86	68	91	64	77	-3	7.97	6.99	6.93	10.35	135	37.83	125	97	59	2	0	5	2
LA	BATON ROUGE	99	78	100	74	88	5	1.30	0.22	1.26	5.11	50	32.03	89	93	46	7	0	2	1
	LAKE CHARLES	96	76	98	74	86	2	0.68	-0.57	0.67	5.24	49	29.26	88	94	51	7	0	2	1
	NEW ORLEANS	97	78	98	75	87	3	1.45	-0.05	1.03	3.83	30	17.98	48	92	50	7	0	2	1
	SHREVEPORT	97	77	100	73	87	3	0.00	-0.74	0.00	0.00	0	0.00	0	87	49	7	0	0	0
MA	BOSTON	82	69	91	64	76	1	3.54	2.80	1.97	9.22	149	25.00	105	92	61	1	0	2	2
	WORCESTER	81	66	84	61	73	2	3.13	2.22	1.46	15.87	227	35.32	138	95	57	0	0	3	2
MD	BALTIMORE	89	70	92	66	80	1	1.52	0.48	0.75	8.63	121	18.54	76	88	47	2	0	3	2
ME	CARIBOU	80	63	85	57	71	4	2.41	1.50	0.85	7.12	101	19.58	90	97	59	0	0	5	2
	PORTLAND	78	65	85	62	72	1	1.01	0.24	0.84	10.50	158	31.40	121	100	66	0	0	2	1
MI	ALPENA	77	55	82	50	66	-2	0.90	0.15	0.64	3.44	68	15.39	96	98	53	0	0	4	1
	GRAND RAPIDS	80	60	84	56	71	-3	0.06	-0.85	0.06	5.17	77	20.00	92	93	44	0	0	1	0
	LANSING	82	60	85	56	71	-1	0.14	-0.50	0.14	5.93	101	20.03	107	87	42	0	0	1	0
	MUSKEGON	80	61	83	58	71	-2	0.25	-0.38	0.16	3.49	70	16.64	88	88	46	0	0	3	0
	TRAVERSE CITY	80	58	83	55	69	-1	0.59	-0.05	0.45	4.07	91	12.38	86	93	44	0	0	3	0
MN	DULUTH	73	53	80	50	63	-4	0.78	-0.06	0.64	5.14	70	16.60	99	91	53	0	0	4	1
	INT_L FALLS	74	54	81	47	64	-1	1.86	1.02	1.09	5.46	79	14.00	99	95	56	0	0	4	1
	MINNEAPOLIS	83	62	90	57	73	-2	0.13	-0.72	0.11	1.78	23	12.97	73	80	37	1	0	2	0
	ROCHESTER	79	55	83	50	67	-4	1.04	0.11	1.04	2.81	33	18.07	89	95	49	0	0	1	1
	ST. CLOUD	83	55	92	50	69	-2	0.29	-0.50	0.15	1.35	21	12.22	78	91	38	1	0	2	0
MO	COLUMBIA	88	68	93	63	78	-1	1.00	0.09	0.71	5.22	71	16.40	67	89	52	4	0	2	1
	KANSAS CITY	85	67	88	60	76	-3	0.99	-0.01	0.88	5.49	63	19.70	85	97	63	0	0	2	1
	SAINT LOUIS	88	70	93	65	79	-2	0.57	-0.28	0.54	7.46	102	20.22	80	83	48	3	0	2	1
	SPRINGFIELD	89	68	95	61	79	-1	0.29	-0.55	0.16	4.40	60	25.12	96	94	54	5	0	2	0
MS	JACKSON	95	76	98	73	86	4	0.00	-1.15	0.00	6.87	86	33.74	98	90	48	7	0	0	0
	MERIDIAN	95	75	98	73	85	2	0.01	-1.11	0.01	14.36	172	45.78	132	95	53	7	0	1	0
	TUPELO	93	73	98	70	83	0	0.66	-0.26	0.44	9.67	117	36.78	106	94	53	6	0	2	0
MT	BILLINGS	89	60	98	57	75	0	0.00	-0.25	0.00	6.59	210	12.62	136	65	21	3	0	0	0
	BUTTE	87	46	92	41	66	1	0.01	-0.25	0.01	5.36	161	10.81	132	78	14	1	0	1	0
	CUT BANK	88	50	95	45	69	3	0.00	-0.24	0.00	2.13	57	4.79	67	78	16	2	0	0	0
	GLASGOW	88	58	97	53	73	0	0.03	-0.39	0.03	2.65	61	9.97	113	73	26	2	0	1	0
	GREAT FALLS	90	51	99	44	71	2	0.00	-0.25	0.00	3.95	107	11.81	122	68	17	4	0	0	0
	HAVRE	90	56	101	47	73	2	0.04	-0.29	0.02	2.81	76	7.04	89	72	19	3	0	2	0
	MISSOULA	95	54	101	50	75	5	0.00	-0.17	0.00	2.06	73	6.90	79	67	15	5	0	0	0
NC	ASHEVILLE	84	65	89	62	75	-1	2.00	0.98	1.67	4.49	55	23.39	84	94	51	0	0	4	1
	CHARLOTTE	91	71	94	68	81	1	0.46	-0.39	0.46	5.19	79	24.96	102	89	42	4	0	1	0
	GREENSBORO	87	70	91	67	79	0	0.01	-0.96	0.01	5.61	80	26.11	108	86	46	2	0	1	0
	HATTERAS	83	72	91	71	77	-4	0.07	-1.24	0.07	6.53	81	21.76	72	99	83	1	0	1	0
	RALEIGH	91	71	94	69	81	0	0.62	-0.57	0.62	5.65	77	24.53	100	92	52	5	0	1	1
	WILMINGTON	92	75	95	73	84	2	2.54	0.95	0.96	10.77	102	30.77	104	96	53	6	0	5	3
ND	BISMARCK	82	53	90	44	68	-4	0.00	-0.66	0.00	5.50	97	11.71	103	89	36	1	0	0	0
	DICKINSON	81	49	89	45	65	-5	0.01	-0.53	0.01	4.52	90	7.89	78	95	35	0	0	1	0
	FARGO	82	57	86	52	69	-2	0.03	-0.62	0.02	4.59	68	11.09	79	87	40	0	0	2	0
	GRAND FORKS	80	53	85	50	67	-3	0.02	-0.73	0.02	3.26	50	7.39	59	88	43	0	0	1	0
	JAMESTOWN	78	54	84	47	66	-4	0.34	-0.47	0.26	5.88	96	10.66	89	91	44	0	0	3	0
NE	GRAND ISLAND	84	64	91	61	74	-4	0.44	-0.37	0.36	3.73	57	8.25	50	91	48	1	0	3	0
	LINCOLN	84	64	91	61	74	-5	0.77	0.07	0.63	7.68	111	11.59	65	92	51	1	0	3	1
	NORFOLK	82	62	90	59	72	-3	0.48	-0.12	0.25	7.49	114	11.64	73	91	50	1	0	4	0
	NORTH PLATTE	84	62	92	56	73	-3	0.61	-0.16	0.31	5.57	97	15.19	114	95	53	1	0	4	0
	OMAHA	83	64	89	60	73	-5	0.94	0.19	0.43	6.89	98	14.15	77	95	54	0	0	4	0
	SCOTTSBLUFF	88	59	96	52	74	-2	0.56	0.19	0.48	5.13	135	14.07	134	95	39	4	0	2	0
	VALENTINE	85	58	92	53	71	-5	0.22	-0.39	0.11	9.38	155	18.06	129	94	42	1	0	3	0
NH	CONCORD	83	63	88	58	73	2	1.07	0.26	0.71	6.62	105	20.67	93	100	57	0	0	3	1
NJ	ATLANTIC_CITY	85	69	90	66	77	0	1.78	0.73	1.11	4.93	73	20.47	83	95	61	1	0	3	2
	NEWARK	87	73	93	71	80	1	2.90	1.80	1.48	7.75	102	25.53	98	87	51	1	0	3	2
NM	ALBUQUERQUE	101	73	104	69	87	8	0.00	-0.43	0.00	0.00	0	1.82	47	45	13	7	0	0	0
NV	ELY	90	55	96	50	72	2	0.00	-0.15	0.00	0.98	100	6.85	121	89	55	2	0	0	0
	LAS VEGAS	112	90	115	87	101	8	0.00	-0.10	0.00	0.20	65	1.65	70	22	10	7	0	0	0
	RENO	101	69	106	65	85	7	0.00	-0.04	0.00	0.63	119	8.74	189	37	10	7	0	0	0
	WINNEMUCCA	105	58	106	51	81	5	0.00	-0.03	0.00	0.33	54	5.00	108	91	73	2	0	0	0
NY	ALBANY	85	65	87	60	75	1	3.93	2.86	2.31	12.33	169	26.81	123	90	48	0	0	3	2
	BINGHAMTON	80	61	82	58	70	1	0.77	-0.05	0.30	9.02	122	21.78	95	94	55	0	0	5	0
	BUFFALO	80	64	85	60	72	0	1.22	0.45	1.06	5.85	104	21.44	101	91	47	0	0	3	1
	ROCHESTER	80	61	84	58	71	-2	1.15	0.33	0.73	6.51	110	19.85	105	95	51	0	0	4	1
	SYRACUSE	84	63	87	57	73	1	0.36	-0.52	0.20	7.83	123	23.39	109	86	46	0	0	3	0
OH	AKRON-CANTON	82	61	87	55	72	-3	1.18	0.23	1.18	4.69	63	21.37	89	97	45	0	0	1	1
	CINCINNATI	83	65	86	61	74	-2	1.81	0.97	1.07	6.08	81	24.48	89	98	62	0	0	4	1
	CLEVELAND	82	62	87	58	72	-3	1.90	1.07	1.90	8.48	132	24.94	110	93	47	0	0	1	1
	COLUMBUS	84	65	87	59	75	-1	1.78	0.72	1.05	8.18	106	25.87	105	100	50	0	0	4	1
	DAYTON	84	64	88	61	74	-2	0.04	-0.83	0.03	6.45	92	23.30	93	91	52	0	0	2	0
	MANSFIELD	81	62	86	56	71	-1	0.23	-0.62	0.17	8.42	111	25.30	100	93	50	0	0	2	0
	TOLEDO	81	64	89	60	73	-3	0.61	-0.12	0.61	3.70	64	17.17	84	90	54	0	0	1	1

Based on 1991-2020 normals ***** Not Available**

Weather Data for the Week Ending July 22, 2023

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS 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
	YOUNGSTOWN	82	60	85	56	71	-1	1.72	0.71	1.68	6.64	95	22.02	95	95	49	0	0	3	1
OK	OKLAHOMA CITY	93	72	99	68	83	0	0.00	-0.80	0.00	10.33	145	24.65	115	85	45	5	0	0	0
	TULSA	93	74	102	65	84	0	0.98	0.16	0.98	8.19	109	22.18	92	91	45	5	0	1	1
OR	ASTORIA	70	56	73	51	63	2	0.12	-0.04	0.12	0.91	31	29.48	77	94	63	0	0	1	0
	BURNS	95	53	99	44	74	4	0.00	-0.06	0.00	1.23	130	9.30	145	58	12	7	0	0	0
	EUGENE	90	55	95	52	72	4	0.00	-0.06	0.00	0.14	9	14.26	63	84	29	5	0	0	0
	MEDFORD	97	65	99	60	81	5	0.00	-0.04	0.00	0.44	50	5.69	55	59	17	7	0	0	0
	PENDLETON	95	62	102	54	78	4	0.00	-0.05	0.00	0.09	7	4.39	55	47	15	5	0	0	0
	PORTLAND	89	63	96	59	76	5	0.00	-0.09	0.00	1.22	60	17.11	85	72	31	2	0	0	0
	SALEM	89	57	94	55	73	3	0.00	-0.04	0.00	0.25	18	17.21	79	80	29	3	0	0	0
PA	ALLENTOWN	83	65	86	61	74	-2	1.50	0.26	1.07	9.07	111	23.04	91	94	54	0	0	2	1
	ERIE	79	62	84	59	71	-2	0.95	0.19	0.94	8.37	138	26.15	118	90	53	0	0	2	1
	MIDDLETOWN	86	69	88	65	77	0	0.78	-0.37	0.56	9.11	124	20.74	86	91	51	0	0	5	1
	PHILADELPHIA	86	72	91	68	79	0	2.46	1.40	1.72	8.63	122	20.61	87	93	51	2	0	3	2
	PITTSBURGH	81	62	84	57	72	-1	0.86	-0.13	0.85	7.64	106	18.85	81	90	50	0	0	2	1
	WILKES-BARRE	82	63	84	60	73	-1	2.19	1.38	0.98	8.01	128	19.13	94	94	54	0	0	4	2
	WILLIAMSPORT	85	64	87	62	74	0	1.32	0.22	0.71	11.63	166	20.66	90	94	48	0	0	4	2
RI	PROVIDENCE	82	69	87	65	76	1	3.70	3.07	3.35	10.96	188	32.57	126	100	63	0	0	2	1
SC	CHARLESTON	96	77	97	76	87	4	0.12	-1.39	0.12	9.74	89	24.12	88	88	47	7	0	1	0
	COLUMBIA	94	73	96	71	84	1	0.55	-0.69	0.55	11.61	134	35.56	139	96	48	7	0	1	1
	FLORENCE	93	74	95	73	84	1	0.39	-0.98	0.32	6.24	71	24.38	98	92	47	7	0	2	0
	GREENVILLE	90	69	95	67	79	-1	1.32	0.19	0.73	7.64	106	36.83	132	91	45	4	0	4	1
SD	ABERDEEN	84	55	90	48	69	-3	0.00	-0.66	0.00	4.70	76	10.13	75	91	37	1	0	0	0
	HURON	83	56	89	47	69	-5	0.00	-0.63	0.00	5.70	97	8.95	63	93	43	0	0	0	0
	RAPID CITY	85	55	93	51	70	-3	0.08	-0.43	0.04	5.25	116	15.76	134	90	36	1	0	3	0
	SIOUX FALLS	85	58	91	52	72	-3	0.06	-0.65	0.04	2.50	38	9.10	55	87	41	1	0	2	0
TN	BRISTOL	85	65	88	62	75	-1	0.34	-0.82	0.18	5.83	78	24.99	94	95	53	0	0	3	0
	CHATTANOOGA	89	71	95	70	80	-1	1.72	0.54	1.03	9.06	114	30.65	95	90	51	5	0	4	1
	KNOXVILLE	84	69	90	66	76	-2	2.20	0.98	1.78	10.37	128	30.13	95	96	61	1	0	4	1
	MEMPHIS	91	74	95	70	82	-1	4.85	3.73	4.52	13.53	182	42.63	129	92	57	5	0	2	1
	NASHVILLE	88	70	91	68	79	-2	2.28	1.37	1.15	8.16	109	25.61	84	90	54	3	0	3	2
TX	ABILENE	104	76	108	73	90	5	0.00	-0.43	0.00	5.83	119	15.27	108	64	20	7	0	0	0
	AMARILLO	96	69	105	62	83	3	0.00	-0.67	0.00	4.94	101	13.88	125	81	29	6	0	0	0
	AUSTIN	106	78	108	77	92	6	0.01	-0.37	0.01	1.09	21	13.15	65	84	22	7	0	1	0
	BEAUMONT	100	76	101	74	88	4	1.10	-0.44	1.10	5.25	44	26.56	82	99	47	7	0	1	1
	BROWNSVILLE	100	80	101	77	90	3	0.00	-0.35	0.00	1.60	36	12.60	108	93	44	7	0	0	0
	CORPUS CHRISTI	100	76	103	74	88	4	0.00	-0.45	0.00	1.16	20	13.53	84	97	46	7	0	0	0
	DEL RIO	107	81	108	79	94	6	0.00	-0.31	0.00	1.74	51	9.96	96	65	18	7	0	0	0
	EL PASO	107	79	111	76	93	9	0.00	-0.38	0.00	0.32	17	1.08	31	29	10	7	0	0	0
	FORT WORTH	101	79	108	74	90	4	0.31	-0.08	0.31	1.22	22	13.89	63	75	32	6	0	1	0
	GALVESTON	92	80	93	74	86	1	1.37	0.65	1.37	3.60	52	15.17	70	92	63	7	0	1	1
	HOUSTON	100	80	101	78	90	4	0.00	-0.74	0.00	5.52	62	29.13	103	90	38	7	0	0	0
	LUBBOCK	100	74	106	65	87	5	0.55	0.15	0.55	2.79	67	8.89	84	66	23	7	0	1	1
	MIDLAND	101	75	106	73	88	4	0.00	-0.37	0.00	0.39	13	1.76	24	57	16	7	0	0	0
	SAN ANGELO	105	78	110	76	91	6	0.00	-0.20	0.00	2.48	79	8.84	78	63	19	7	0	0	0
	SAN ANTONIO	103	78	104	77	91	6	0.00	-0.42	0.00	1.00	19	12.63	69	83	24	7	0	0	0
	VICTORIA	102	78	104	75	90	5	0.00	-0.72	0.00	1.18	17	17.43	76	98	39	7	0	0	0
	WACO	103	79	106	77	91	5	0.00	-0.39	0.00	0.40	8	15.59	74	83	25	7	0	0	0
	WICHITA FALLS	101	74	110	69	88	3	0.14	-0.30	0.14	3.20	66	14.40	91	76	30	7	0	1	0
UT	SALT LAKE CITY	101	74	106	68	87	5	0.02	-0.10	0.02	0.41	32	9.95	102	53	15	7	0	1	0
VA	LYNCHBURG	87	66	90	64	76	0	1.76	0.80	1.48	14.80	220	29.21	120	98	50	1	0	3	1
	NORFOLK	89	75	92	73	82	1	4.44	2.95	1.81	13.31	158	26.52	103	96	62	3	0	4	3
	RICHMOND	89	72	91	67	80	1	2.09	1.11	2.01	6.95	90	21.30	86	92	49	4	0	2	1
	ROANOKE	87	68	90	65	78	0	1.07	0.09	0.43	8.28	107	21.69	86	89	46	2	0	4	0
	WASH/DULLES	89	68	92	64	78	1	1.20	0.23	0.89	6.89	94	16.81	68	91	44	4	0	3	1
VT	BURLINGTON	83	65	87	60	74	1	1.87	0.98	0.97	8.47	117	20.62	102	92	51	0	0	3	2
WA	OLYMPIA	83	53	91	46	68	3	0.00	-0.10	0.00	0.80	42	17.76	67	94	37	1	0	0	0
	QUILLAYUTE	74	58	81	55	66	6	0.08	-0.22	0.07	0.75	16	38.35	71	84	54	0	0	2	0
	SEATTLE-TACOMA	81	59	88	57	70	2	0.00	-0.11	0.00	1.19	63	13.77	66	80	37	0	0	0	0
	SPOKANE	91	62	97	51	76	4	0.00	-0.08	0.00	0.99	65	6.45	67	50	16	5	0	0	0
	YAKIMA	93	60	99	51	76	3	0.00	-0.04	0.00	0.28	42	3.78	82	61	17	5	0	0	0
WI	EAU CLAIRE	81	55	85	51	68	-4	1.49	0.72	1.27	4.24	57	14.74	79	93	45	0	0	3	1
	GREEN BAY	81	57	85	54	69	-2	0.56	-0.26	0.34	5.55	82	15.86	90	94	46	0	0	3	0
	LA CROSSE	82	58	85	54	70	-5	0.35	-0.58	0.33	4.87	59	14.58	70	91	41	0	0	2	0
	MADISON	81	57	84	52	69	-3	0.91	-0.09	0.91	5.49	64	16.96	78	90	42	0	0	1	1
	MILWAUKEE	82	65	85	62	73	-1	0.25	-0.48	0.25	4.74	69	18.06	90	77	41	0	0	1	0
WV	BECKLEY	79	61	83	58	70	-2	2.61	1.44	1.03	7.88	101	24.58	93	97	58	0	0	4	3
	CHARLESTON	83	64	86	61	74	-2	1.46	0.16	1.06	6.00	70	22.18	79	100	57	0	0	2	1
	ELKINS	81	60	84	56	71	-1	1.44	0.02	0.51	8.08	92	24.14	84	97	53	0	0	5	1
	HUNTINGTON	84	66	88	62	75	-1	0.91	-0.31	0.76	4.56	58	22.37	83	97	56	0	0	4	1
WY	CASPER	89	51	101	47	70	-2	0.49	0.20	0.49	3.83	174	10.63	137	85	21	4	0	1	0
	CHEYENNE	84	56	93	49	70	-1	1.44	0.93	1.37	6.27	172	12.07	124	80	32	2	0	2	1
	LANDER	90	57	97	51	73	1	0.01	-0.13	0.01	3.41	229	11.59	132	64	19	4	0	1	0
	SHERIDAN	88	52	96	50	70	-2	0.00	-0.24	0.00	6.52	233	13.84	143	82	27	3	0	0	0

Based on 1991-2020 normals

***** Not Available**

National Agricultural Summary

July 17 – 23, 2023

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Much of the West remained dry, while parts of the Great Basin, Great Lakes, middle Mississippi Valley, Northeast, central and southern Plains, Rockies, and South recorded at least twice the normal amount of weekly precipitation. Some locations in southern Illinois and western Kentucky recorded weekly rainfall totaling 6 inches or more. Meanwhile, most of the western one-third of the nation was warmer than normal. Parts of the Southwest recorded temperatures 8°F or more above normal. Most of the lower Mississippi Valley, New England, Texas, and the Southeast also recorded above-normal temperatures. In contrast, most of the Midwest, as well as the central and northern Plains, were cooler than normal. Large parts of those regions recorded temperatures 4°F or more below normal. Much of the mid-Atlantic and upper South also recorded below-normal weekly temperatures.

Corn: By July 23, sixty-eight percent of the nation's corn acreage had reached the silking stage, 10 percentage points ahead of last year and 3 points ahead of the 5-year average. By July 23, sixteen percent of the corn acreage was at or beyond the dough stage, 4 percentage points ahead of last year and 2 points ahead of average. On July 23, fifty-seven percent of the nation's corn acreage was rated in good to excellent condition, unchanged from the previous week but 4 percentage points below the previous year. In Iowa, the largest corn-producing state, 63 percent of the corn was rated in good to excellent condition.

Soybeans: By July 23, seventy percent of the nation's soybean acreage had reached the blooming stage, 8 percentage points ahead of last year and 4 points ahead of the 5-year average. Nationally, 35 percent of the soybean acreage had begun setting pods, 11 percentage points ahead of last year and 4 points ahead of average. On July 23, fifty-four percent of the nation's soybean acreage was rated in good to excellent condition, 1 percentage point below the previous week and 5 points below the previous year.

Winter Wheat: Sixty-eight percent of the 2023 winter wheat acreage had been harvested by July 23, eight percentage points behind last year and 9 points behind the 5-year average. During the week, winter wheat harvest advanced 20 percentage points or more in Colorado, Nebraska, Oregon, and South Dakota.

Cotton: Seventy-eight percent of the nation's cotton acreage had reached the squaring stage by July 23, one percentage point behind both last year and the 5-year average. By July 23, thirty-seven percent of the cotton acreage had begun setting bolls, 9 percentage points behind last year and 2 points behind average. On July 23, forty-six percent of the 2023 cotton acreage was rated in good to excellent condition, 1 percentage point above the previous week and 12 points above the previous year.

Sorghum: By July 23, thirty-six percent of the nation's sorghum acreage had reached the headed stage, 2 percentage points ahead of last year but 1 point behind the 5-year average. Twenty-one percent of the sorghum acreage was at or beyond the coloring stage by July 23, two percentage points ahead of both last year and the 5-year average. Sixty percent of the sorghum acreage was rated in good to excellent condition on July 23, two percentage points above the previous week and 30 points above the previous year.

Rice: By July 23, forty-seven percent of the nation's rice acreage had reached the headed stage, 10 percentage points ahead of the previous year and 7 points ahead of the 5-year average. On July 23, seventy-six percent of the rice acreage was rated in good to excellent condition, 3 percentage points above the previous week and 1 point above the same time last year.

Small Grains: Ninety-six percent of the nation's oat acreage had headed by July 23, three percentage points ahead of last year but 1 point behind the 5-year average. Twenty-one percent of the oat acreage had been harvested by July 23, equal to last year but 2 percentage points behind average. During the week, oat harvest advanced 20 percentage points or more in Iowa, Nebraska, and Ohio. On July 23, forty-five percent of the nation's oat acreage was rated in good to excellent condition, 1 percentage point above the previous week but 10 points below the same time last year.

Ninety-two percent of the nation's barley acreage had reached the headed stage by July 23, one percentage point ahead of last year but 1 point behind the 5-year average. On July 23, fifty-two percent of the barley acreage was rated in good to excellent condition, unchanged from the previous week but 3 percentage points below the same time last year.

By July 23, ninety-four percent of the nation's spring wheat crop had reached the headed stage, 11 percentage points ahead of the previous year and 1 point ahead of the 5-year average. On July 23, forty-nine percent of the spring wheat was rated in good to excellent condition, 2 percentage points below the previous week and 19 points below the same time last year.

Other Crops: By July 23, eighty percent of the nation's peanut crop had reached the pegging stage, 1 percentage point behind the previous year but equal to the 5-year average. In Georgia, the largest peanut-producing state, 87 percent of the peanut crop had reached the pegging stage, 3 percentage points behind the previous year and 4 points behind average. On July 23, seventy-two percent of the nation's peanut acreage was rated in good to excellent condition, 4 percentage points above the previous week and 2 points above the same time last year.

Crop Progress and Condition

Week Ending July 23, 2023

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

Corn Percent Silking

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
CO	35	5	30	45
IL	78	70	88	77
IN	65	40	64	66
IA	61	49	79	71
KS	59	55	68	69
KY	75	59	73	77
MI	47	13	28	44
MN	45	44	72	64
MO	80	81	90	80
NE	65	52	77	70
NC	84	85	89	92
ND	27	20	45	39
OH	50	13	29	53
PA	27	4	11	42
SD	38	35	63	50
TN	91	84	91	89
TX	85	78	85	86
WI	30	8	25	42
18 Sts	58	47	68	65

These 18 States planted 92% of last year's corn acreage.

Corn Percent Dough

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
CO	9	0	0	4
IL	15	7	18	18
IN	9	4	11	10
IA	7	8	19	11
KS	18	13	24	24
KY	22	11	26	24
MI	7	0	2	2
MN	4	5	18	6
MO	32	21	39	32
NE	7	1	10	13
NC	54	35	46	59
ND	0	0	2	1
OH	7	0	0	5
PA	1	0	0	2
SD	0	0	7	6
TN	46	34	52	50
TX	67	60	68	65
WI	1	0	0	2
18 Sts	12	7	16	14

These 18 States planted 92% of last year's corn acreage.

Corn Condition by Percent

	VP	P	F	G	EX
CO	6	5	20	55	14
IL	7	15	33	37	8
IN	4	8	27	53	8
IA	2	7	28	53	10
KS	3	7	32	45	13
KY	2	6	30	53	9
MI	4	9	48	36	3
MN	3	10	33	43	11
MO	17	22	34	25	2
NE	6	9	23	42	20
NC	1	4	16	72	7
ND	1	5	29	61	4
OH	1	5	26	56	12
PA	0	9	28	45	18
SD	2	7	33	48	10
TN	2	6	21	57	14
TX	1	4	25	51	19
WI	4	11	37	39	9
18 Sts	4	9	30	46	11
Prev Wk	4	9	30	46	11
Prev Yr	4	10	25	48	13

Soybeans Percent Blooming

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
AR	87	89	93	86
IL	53	61	77	63
IN	60	42	59	61
IA	70	68	81	73
KS	48	46	59	55
KY	57	42	50	52
LA	97	92	96	95
MI	67	36	49	59
MN	66	66	78	74
MS	94	90	93	87
MO	47	56	68	50
NE	65	61	75	72
NC	62	49	58	49
ND	62	47	72	68
OH	63	21	46	63
SD	47	44	62	60
TN	67	64	73	63
WI	62	38	57	64
18 Sts	62	56	70	66

These 18 States planted 95% of last year's soybean acreage.

Soybeans Percent Setting Pods

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
AR	65	62	73	62
IL	18	19	38	31
IN	22	9	20	29
IA	29	17	35	33
KS	10	16	24	20
KY	29	20	29	28
LA	87	70	86	83
MI	29	5	13	25
MN	17	27	43	31
MS	79	70	78	65
MO	16	19	31	19
NE	29	20	33	35
NC	34	24	35	26
ND	10	14	33	23
OH	25	7	17	25
SD	12	11	28	22
TN	35	30	43	33
WI	23	7	16	28
18 Sts	24	20	35	31

These 18 States planted 95% of last year's soybean acreage.

Soybean Condition by Percent

	VP	P	F	G	EX
AR	2	5	22	48	23
IL	5	17	34	37	7
IN	3	8	30	51	8
IA	2	8	32	50	8
KS	1	10	31	48	10
KY	1	6	29	57	7
LA	1	1	22	63	13
MI	4	14	49	31	2
MN	2	8	34	49	7
MS	0	3	18	64	15
MO	14	22	37	25	2
NE	8	11	25	40	16
NC	1	1	29	63	6
ND	3	10	38	47	2
OH	1	6	30	54	9
SD	2	8	34	50	6
TN	2	5	23	56	14
WI	5	16	37	35	7
18 Sts	4	10	32	46	8
Prev Wk	4	9	32	47	8
Prev Yr	3	8	30	49	10

Crop Progress and Condition

Week Ending July 23, 2023

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

Cotton Percent Squaring

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
AL	89	88	92	87
AZ	100	91	99	98
AR	97	93	95	97
CA	84	75	85	83
GA	89	76	88	90
KS	95	72	88	80
LA	97	83	92	97
MS	89	76	85	85
MO	85	87	95	80
NC	75	68	82	83
OK	66	32	79	66
SC	89	66	79	82
TN	84	83	89	84
TX	74	56	70	74
VA	98	75	84	86
15 Sts	79	64	78	79

These 15 States planted 99% of last year's cotton acreage.

Cotton Percent Setting Bolls

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
AL	63	40	60	54
AZ	83	56	60	73
AR	75	61	71	80
CA	29	15	25	38
GA	49	28	45	53
KS	38	12	36	18
LA	81	45	63	75
MS	58	29	51	52
MO	56	10	25	45
NC	33	14	25	42
OK	9	0	25	19
SC	61	19	41	46
TN	49	30	43	40
TX	42	22	30	31
VA	59	21	35	39
15 Sts	46	25	37	39

These 15 States planted 99% of last year's cotton acreage.

Cotton Condition by Percent

	VP	P	F	G	EX
AL	0	2	13	72	13
AZ	1	0	0	50	49
AR	2	5	16	47	30
CA	0	0	5	95	0
GA	1	5	23	60	11
KS	1	6	29	48	16
LA	0	0	12	77	11
MS	0	4	25	64	7
MO	0	2	22	74	2
NC	0	7	34	59	0
OK	0	5	23	69	3
SC	1	1	33	56	9
TN	5	7	24	51	13
TX	14	26	36	21	3
VA	0	2	10	87	1
15 Sts	8	16	30	39	7
Prev Wk	12	16	27	38	7
Prev Yr	15	15	36	29	5

Sorghum Percent Headed

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
CO	9	0	9	13
KS	11	12	20	17
NE	19	5	13	26
OK	30	11	16	29
SD	32	32	49	29
TX	83	75	80	80
6 Sts	34	29	36	37

These 6 States planted 100% of last year's sorghum acreage.

Sorghum Percent Coloring

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
CO	1	0	0	0
KS	0	4	6	1
NE	0	0	0	1
OK	4	0	6	7
SD	1	0	1	0
TX	62	55	62	63
6 Sts	19	17	21	19

These 6 States planted 100% of last year's sorghum acreage.

Sorghum Condition by Percent

	VP	P	F	G	EX
CO	0	6	12	66	16
KS	3	7	38	41	11
NE	1	4	32	51	12
OK	0	9	14	59	18
SD	2	11	39	45	3
TX	6	8	22	40	24
6 Sts	3	7	30	45	15
Prev Wk	3	7	32	47	11
Prev Yr	11	17	42	27	3

Oats Percent Headed

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
IA	99	100	100	99
MN	91	95	97	98
NE	100	100	100	100
ND	81	69	86	90
OH	94	94	98	97
PA	88	95	98	92
SD	96	100	100	96
TX	100	100	100	100
WI	94	92	96	96
9 Sts	93	92	96	97

These 9 States planted 69% of last year's oat acreage.

Oats Percent Harvested

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
IA	35	13	36	35
MN	9	6	18	10
NE	53	17	39	57
ND	0	0	0	1
OH	24	3	30	47
PA	3	0	5	8
SD	24	10	22	24
TX	100	98	100	100
WI	8	2	10	7
9 Sts	21	12	21	23

These 9 States harvested 72% of last year's oat acreage.

Oat Condition by Percent

	VP	P	F	G	EX
IA	3	9	37	47	4
MN	4	11	42	40	3
NE	4	12	34	42	8
ND	3	7	36	52	2
OH	0	1	17	79	3
PA	1	1	45	48	5
SD	3	17	34	39	7
TX	19	8	45	26	2
WI	4	10	44	39	3
9 Sts	7	9	39	41	4
Prev Wk	7	9	40	41	3
Prev Yr	12	12	21	47	8

Crop Progress and Condition

Week Ending July 23, 2023

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

Winter Wheat Percent Harvested

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
AR	100	100	100	100
CA	98	65	80	95
CO	84	20	48	84
ID	2	5	12	11
IL	97	95	97	97
IN	99	89	96	97
KS	100	71	87	98
MI	63	31	47	59
MO	100	99	100	100
MT	17	1	2	11
NE	81	21	43	74
NC	99	96	99	100
OH	96	85	96	93
OK	100	97	100	100
OR	16	15	44	31
SD	58	22	46	46
TX	100	97	100	100
WA	5	6	20	18
18 Sts	76	56	68	77

These 18 States harvested 90% of last year's winter wheat acreage.

Spring Wheat Percent Headed

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
ID	97	95	98	95
MN	91	95	97	98
MT	84	90	94	88
ND	78	79	92	92
SD	94	98	100	96
WA	95	100	100	99
6 Sts	83	86	94	93

These 6 States planted 100% of last year's spring wheat acreage.

Spring Wheat Condition by Percent

	VP	P	F	G	EX
ID	1	6	30	60	3
MN	0	4	22	72	2
MT	0	11	54	29	6
ND	6	12	28	51	3
SD	11	21	39	24	5
WA	2	25	33	38	2
6 Sts	4	12	35	45	4
Prev Wk	3	11	35	48	3
Prev Yr	1	7	24	59	9

Barley Percent Headed

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
ID	96	90	97	93
MN	88	93	95	97
MT	92	59	85	91
ND	84	81	96	93
WA	99	98	100	99
5 Sts	91	75	92	93

These 5 States planted 84% of last year's barley acreage.

Barley Condition by Percent

	VP	P	F	G	EX
ID	0	2	21	74	3
MN	1	4	36	54	5
MT	1	10	51	26	12
ND	4	9	33	52	2
WA	1	11	38	50	0
5 Sts	2	8	38	45	7
Prev Wk	2	9	37	45	7
Prev Yr	3	11	31	46	9

Peanuts Percent Pegging

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
AL	77	61	72	82
FL	93	88	94	87
GA	90	78	87	91
NC	74	64	80	77
OK	49	20	52	48
SC	86	81	90	81
TX	38	23	45	41
VA	87	60	70	74
8 Sts	81	69	80	80

These 8 States planted 96% of last year's peanut acreage.

Peanut Condition by Percent

	VP	P	F	G	EX
AL	0	0	16	64	20
FL	0	3	11	83	3
GA	1	5	23	62	9
NC	0	0	31	69	0
OK	0	0	2	98	0
SC	0	1	23	70	6
TX	2	3	50	44	1
VA	0	0	13	87	0
8 Sts	1	3	24	64	8
Prev Wk	1	3	28	62	6
Prev Yr	0	3	27	62	8

Rice Percent Headed

	Prev Year	Prev Week	Jul 23 2023	5-Yr Avg
AR	18	22	38	25
CA	38	17	20	27
LA	84	72	83	83
MS	61	59	64	59
MO	20	30	39	23
TX	67	73	80	81
6 Sts	37	36	47	40

These 6 States planted 100% of last year's rice acreage.

Rice Condition by Percent

	VP	P	F	G	EX
AR	2	6	19	51	22
CA	0	0	0	75	25
LA	1	1	40	46	12
MS	0	3	22	63	12
MO	0	0	21	66	13
TX	0	2	13	72	13
6 Sts	1	3	20	57	19
Prev Wk	1	4	22	57	16
Prev Yr	1	2	22	58	17

Crop Progress and Condition

Week Ending July 23, 2023

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

Pasture and Range Condition by Percent
Week Ending Jul 23, 2023

	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	2	20	72	5	NH	0	20	45	25	10
AZ	14	20	37	24	5	NJ	0	0	2	98	0
AR	2	6	42	40	10	NM	7	19	36	18	20
CA	5	10	15	30	40	NY	6	9	45	23	17
CO	3	5	27	40	25	NC	3	8	31	57	1
CT	0	0	30	70	0	ND	1	6	30	60	3
DE	0	15	65	15	5	OH	0	4	28	64	4
FL	3	5	28	45	19	OK	2	6	26	57	9
GA	2	8	32	51	7	OR	3	14	61	16	6
ID	1	9	31	39	20	PA	2	18	30	45	5
IL	19	24	33	22	2	RI	0	0	5	95	0
IN	5	11	34	45	5	SC	4	5	27	56	8
IA	10	15	51	21	3	SD	4	10	30	45	11
KS	8	21	41	25	5	TN	2	6	20	61	11
KY	2	5	21	65	7	TX	24	24	29	19	4
LA	4	11	38	42	5	UT	2	6	36	45	11
ME	0	0	40	48	12	VT	0	0	0	100	0
MD	17	13	33	35	2	VA	5	13	32	45	5
MA	0	0	20	80	0	WA	2	33	41	24	0
MI	7	37	34	19	3	WV	3	10	30	51	6
MN	9	23	36	29	3	WI	10	24	36	28	2
MS	2	5	35	51	7	WY	1	3	17	78	1
MO	25	34	30	11	0	48 Sts	9	15	32	35	9
MT	2	15	44	36	3						
NE	3	8	30	44	15	Prev Wk	9	15	29	37	10
NV	10	15	40	30	5	Prev Yr	25	25	25	22	3

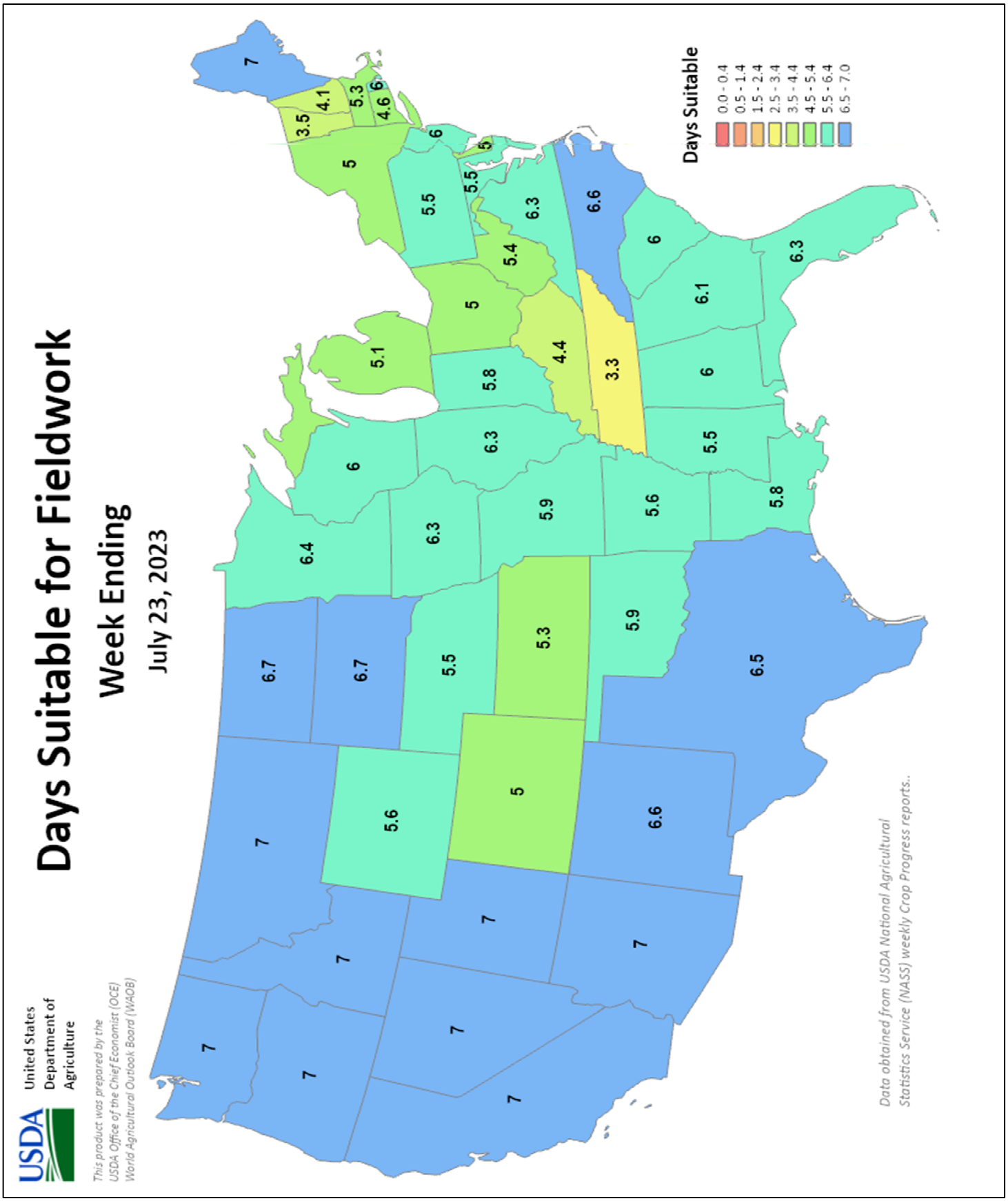
VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
*** Revised**

Crop Progress and Condition

Week Ending July 23, 2023

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



Crop Progress and Condition

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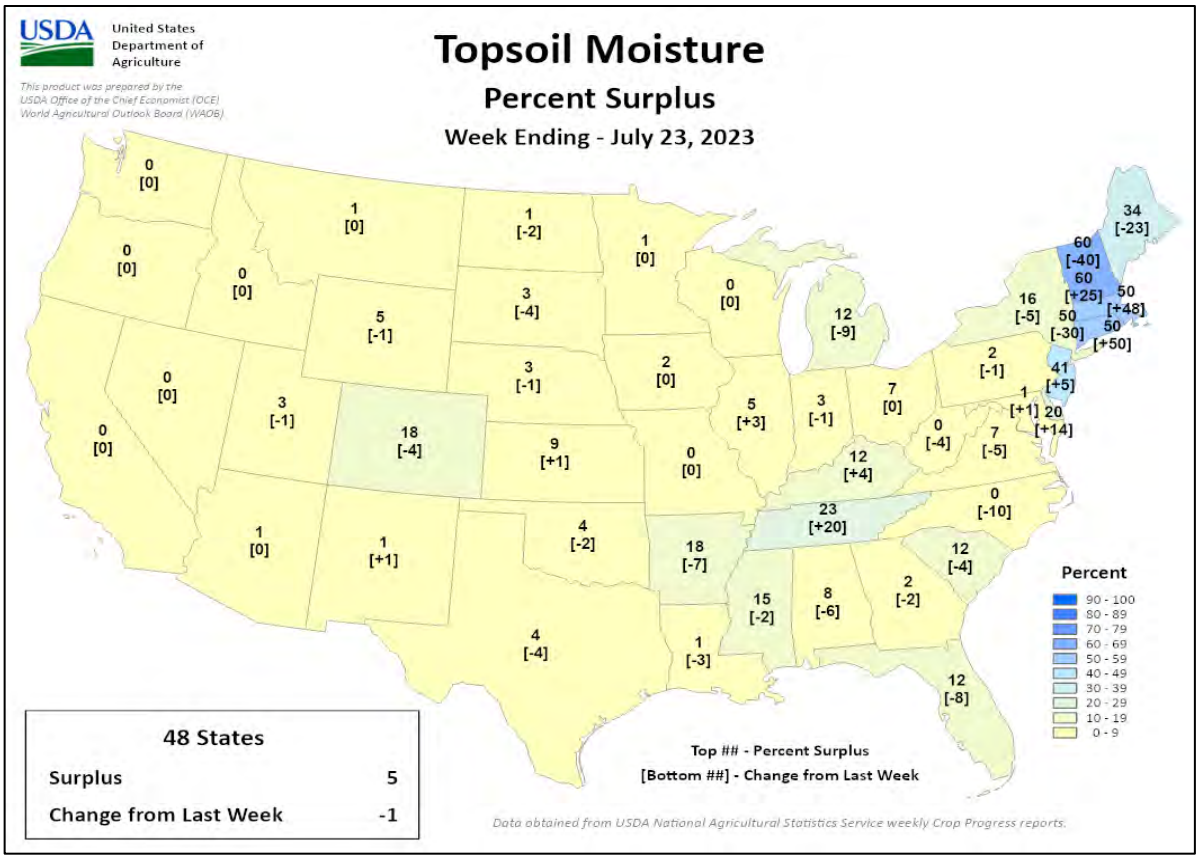

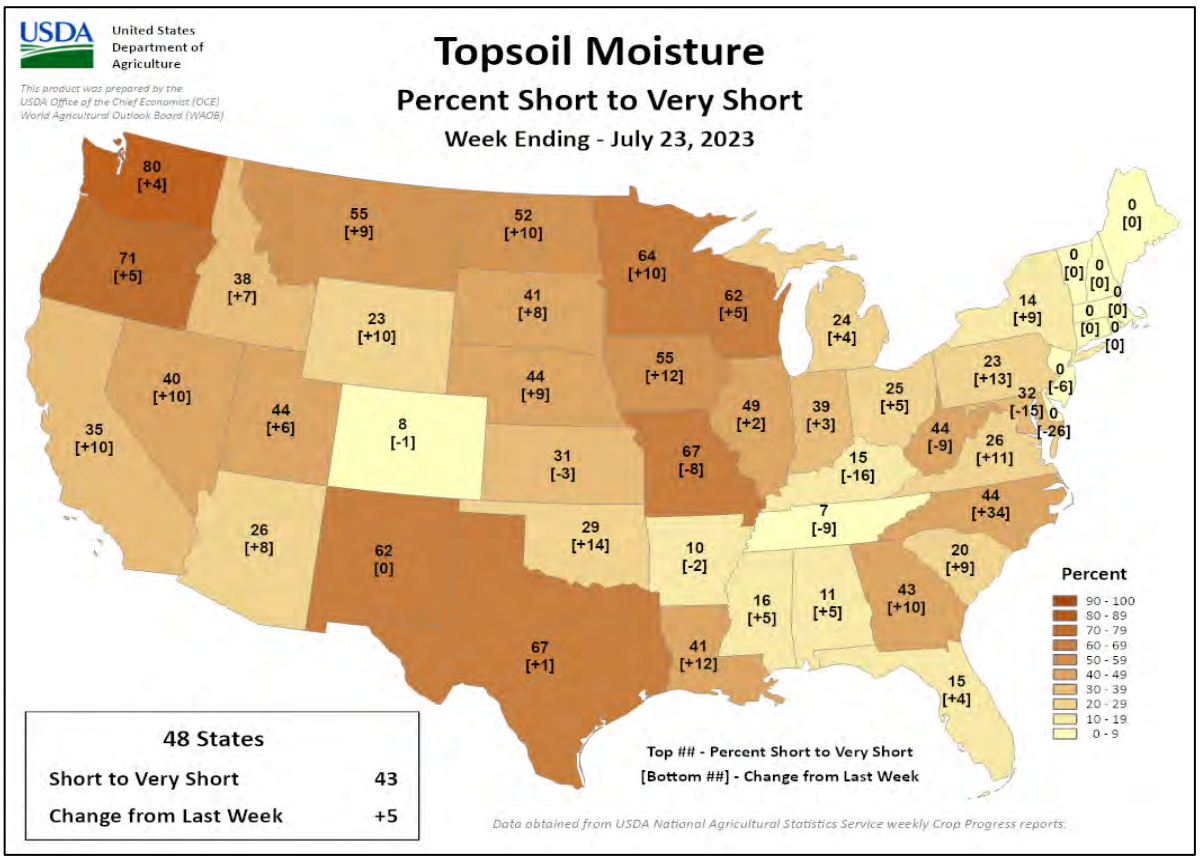

Crop Progress and Condition

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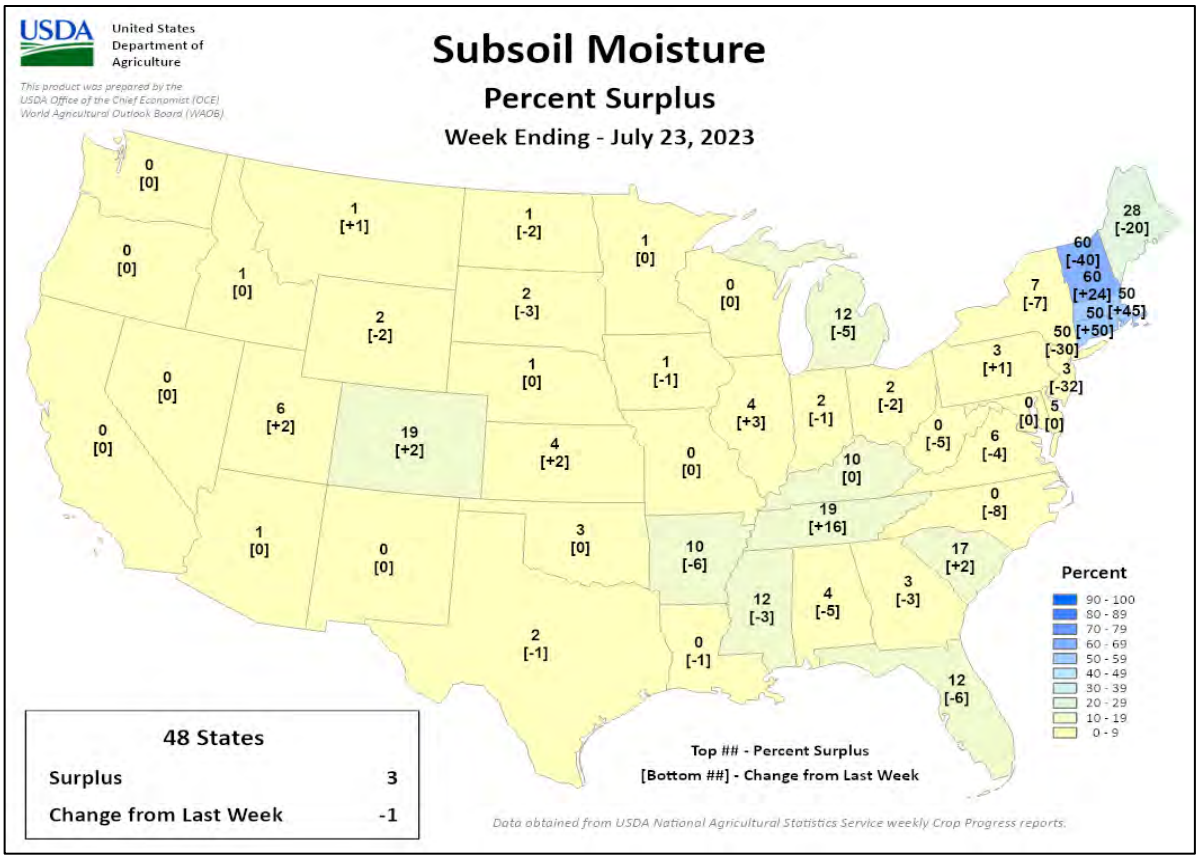
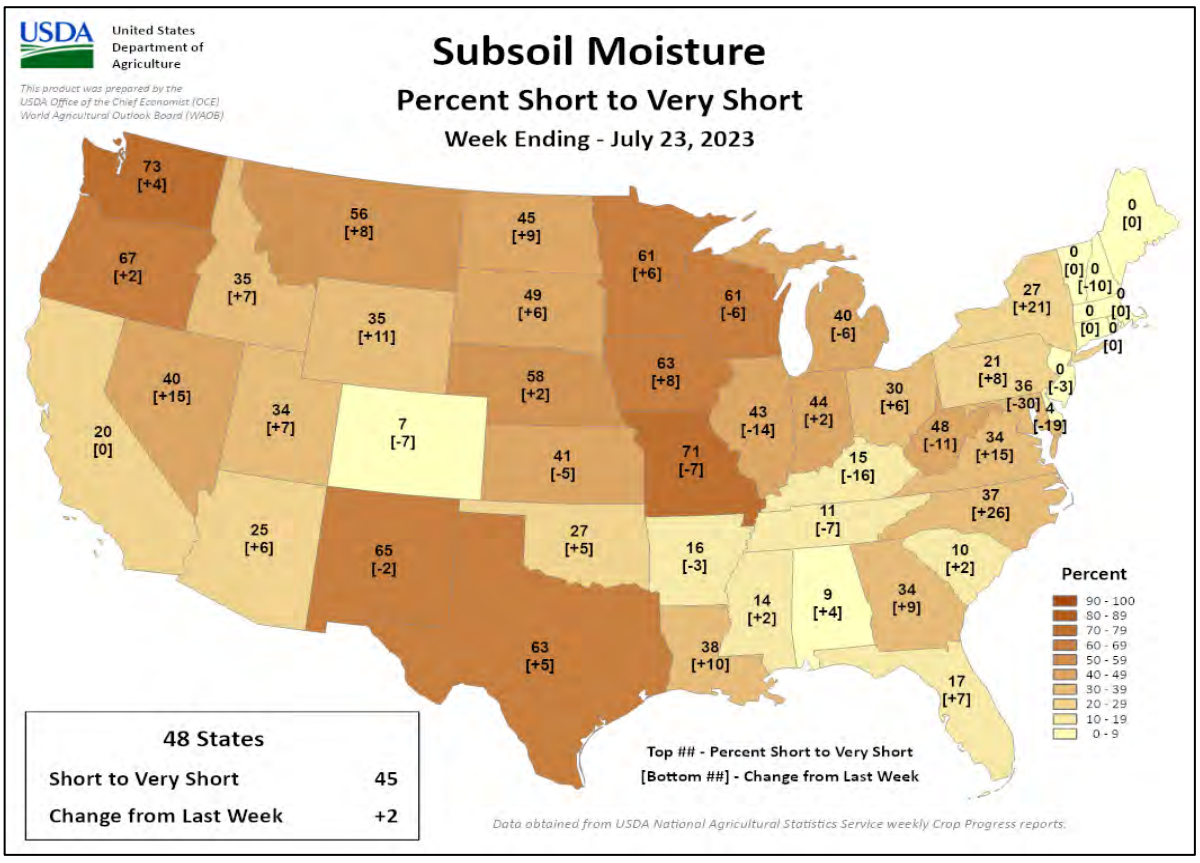




International Weather and Crop Summary

July 16-22, 2023

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

HIGHLIGHTS

EUROPE: Unrelenting heat in southern Europe contrasted with cool, showery weather in northern growing areas.

WESTERN FSU: Widespread showers sustained good to excellent conditions for reproductive summer crops.

EASTERN FSU: Showers brought the recent heat wave to an end over the spring grain belt, while seasonably dry but very hot conditions accelerated cotton development in the south.

MIDDLE EAST: Seasonably sunny conditions favored summer crop development in Turkey, though excessive heat stressed summer crops in the west.

SOUTH ASIA: Monsoon showers prevailed in most parts of India, further propelling kharif crop sowing.

EAST ASIA: Much-needed rain broke a month-long dry spell in southern China.

SOUTHEAST ASIA: Showers were more widespread in Indochina, improving moisture conditions, but some locales remained unseasonably dry.

AUSTRALIA: Showers were mostly light and widely scattered, providing little additional moisture to vegetative winter crops.

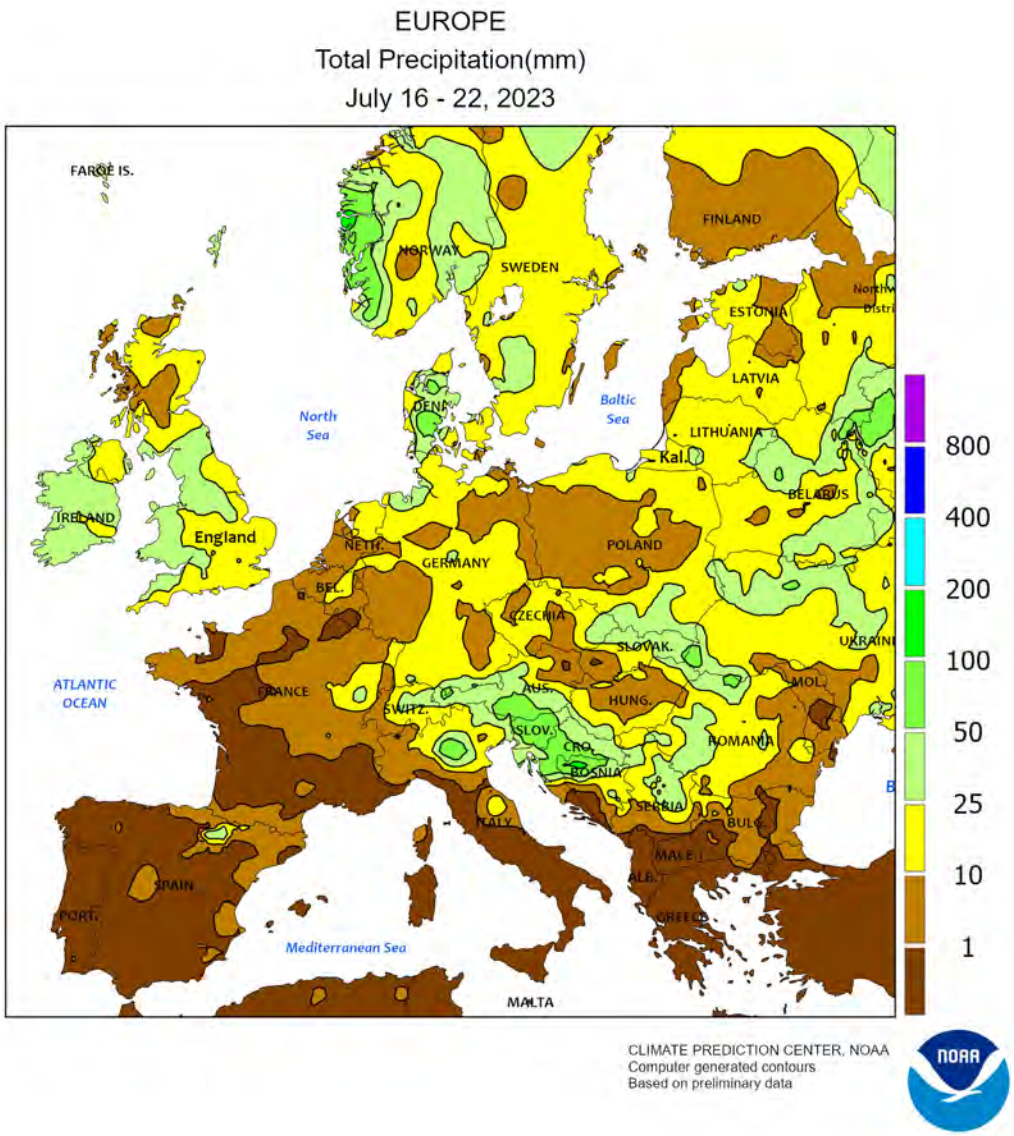
ARGENTINA: Mild, sunny weather favored the final stages of seasonal fieldwork.

BRAZIL: Warm, sunny weather promoted wheat growth in southern farming areas.

MEXICO: Showers benefited corn and other rain-fed summer crops on the southern plateau.

CANADIAN PRAIRIES: Showers shifted into northern farming areas as unseasonable warmth returned to the southwest.

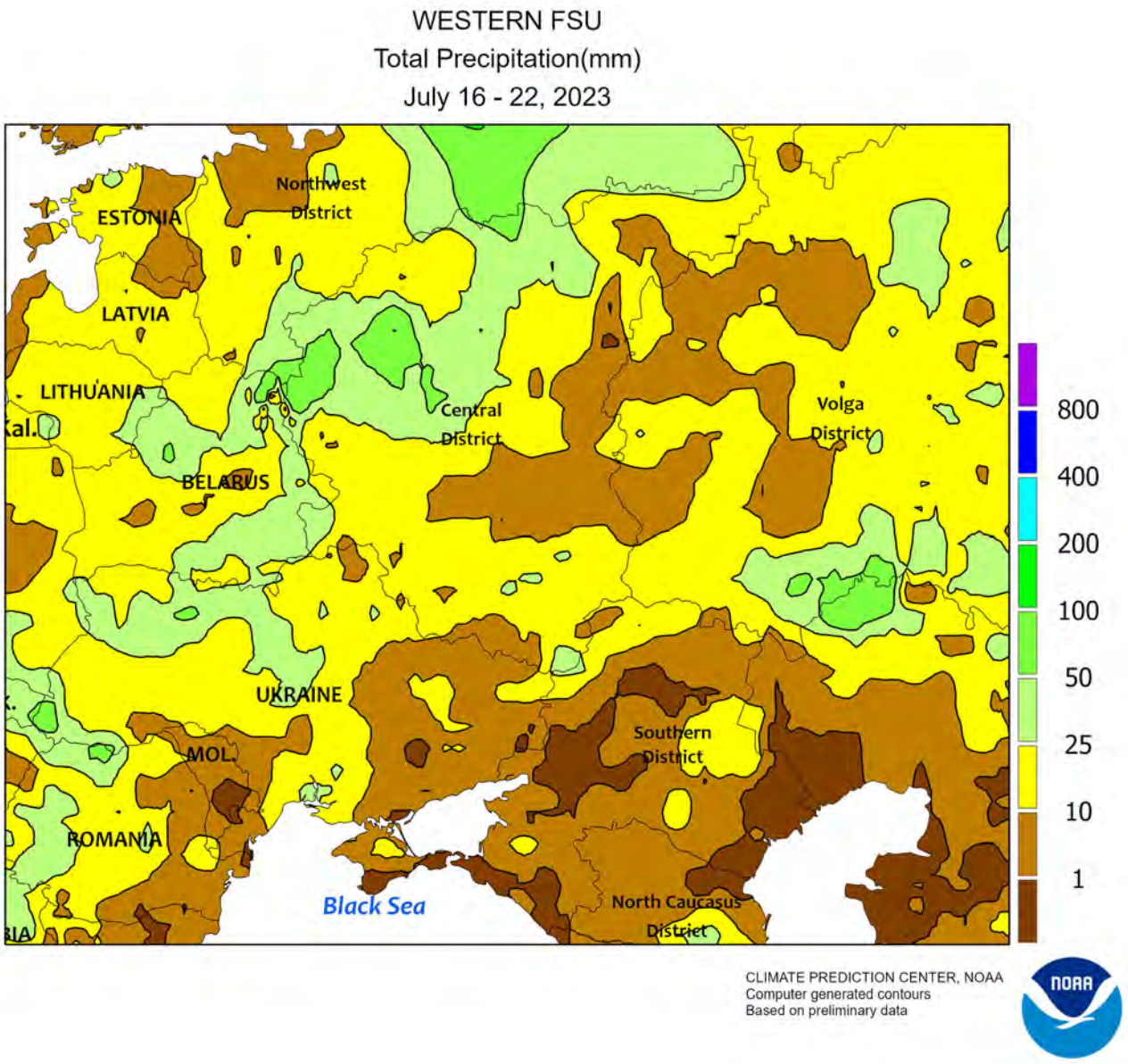
SOUTHEASTERN CANADA: Mild, showery weather benefited winter wheat, summer crops, and pastures.



EUROPE

A blistering heat wave over southern Europe contrasted with cooler-than-normal weather in northern growing areas. Temperatures for the week averaged 3 to 7°C above normal from central and southern Spain eastward into Greece and the Balkans. Daytime highs routinely topped 35°C across these same croplands, with readings at or above 40°C noted over central and southern Spain (as high as 45°C), the southern half of Italy (peak of 42°C), and western Greece (43°C). The impacts of the heat wave have varied. In Spain, irrigated sunflowers and cotton grown in the south have been subjected to significant heat stress; in Andalucía, daytime highs have reached or topped 38°C on 25 days since June 15, while there have been 9 days with highs at or above 42°C since June 25. Conversely, primary corn areas farther north (Castilla y Leon) have largely avoided the scorching temperatures. Italy's Po River Valley — a major corn and soybean area — has experienced 8 days at or above 35°C since July 10, coincident with corn progressing through reproduction. But at the same time, this same region has received heavy — and at times severe — showers and thunderstorms (10-105 mm during the past week, with numerous reports of large hail). In Greece, the scorching heat helped cotton make up developmental delays brought on by a very cool June but also raised the specter of heat stress as the crop approached flowering. Across the Balkans, reproductive summer crops in the west and north were initially able to withstand the high temperatures (35-39°C) due to moist soils from heavy May and June rainfall, while silking corn, blooming soybeans, and blooming to filling sunflowers in the lower Danube River Valley have been drier and more susceptible to yield losses courtesy of this week's high heat (37-40°C). Meanwhile, widespread showers and thunderstorms (5-40 mm) across much of central and northern Europe improved soil moisture for spring grains and summer crops following recent dryness, though France remained mostly dry. Temperatures averaged near normal from northern France into Poland and the Baltic States but up to 3°C below normal in England, Denmark, and Scandinavia.

For additional information contact: mark.brusberg@usda.gov



WESTERN FSU

Overall favorable weather continued for summer crops. Moderate to heavy rain (10-55 mm) across Moldova, western and central Ukraine, and Belarus further improved soil moisture for reproductive summer crops and mitigated any potential adverse impacts of this week's anomalous warmth (2-4°C above normal) in the southwest. Moderate to heavy rain (10-100 mm, locally more) was also noted over much of western and central Russia, boosting moisture supplies for filling spring grains in the east while sustaining favorable conditions for late-vegetative to reproductive summer crops farther west. Generally dry but cool weather (1-3°C below normal) in southwestern Russia and southeastern Ukraine provided nearly ideal growing conditions for reproductive corn and sunflowers after a very wet June.

The WWCB focuses entirely on weather and resultant crop conditions; conflict and unrest are beyond the scope of this publication.

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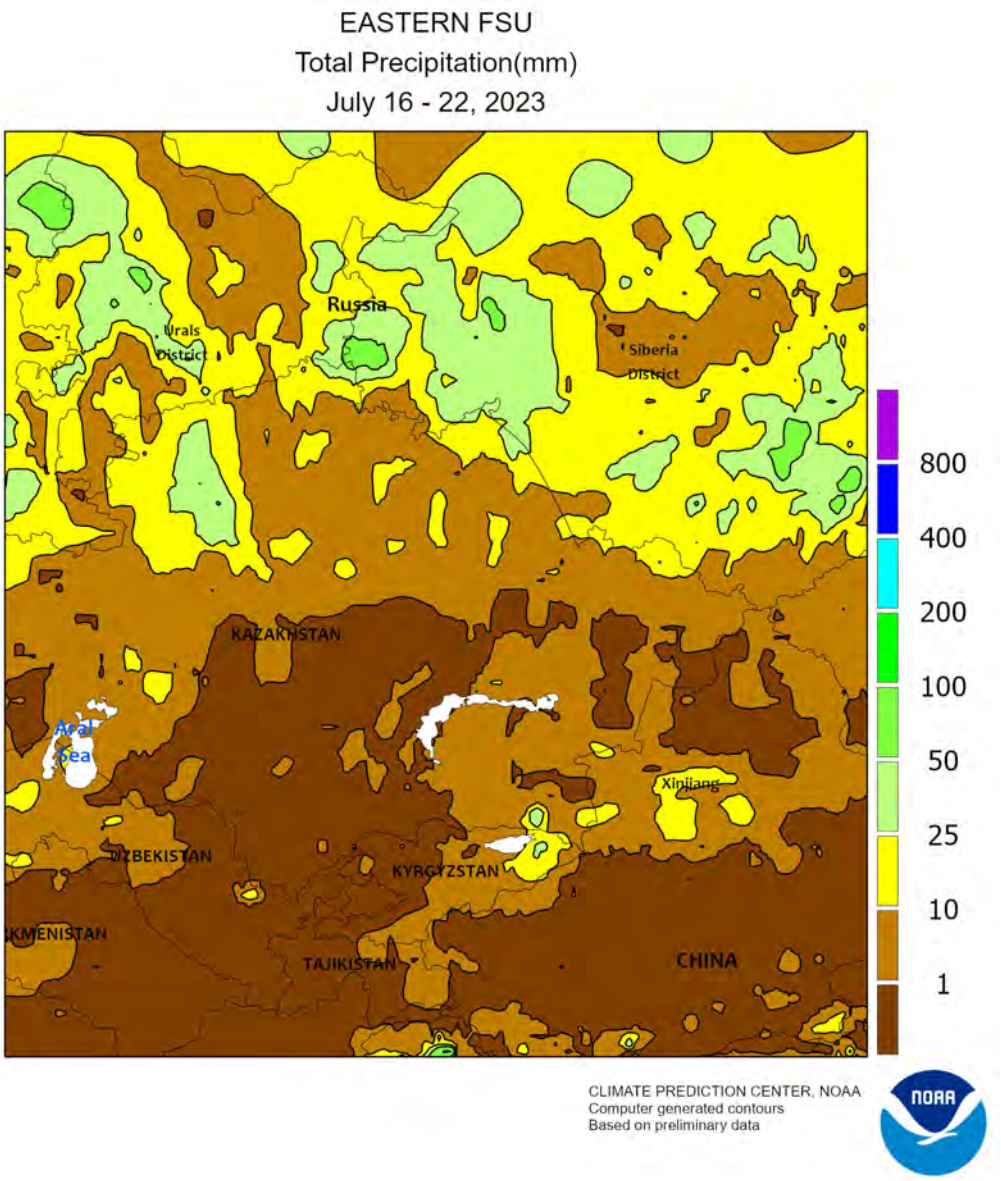

EASTERN FSU

Somewhat cooler, showery weather over the spring grain belt contrasted with seasonably sunny but hot conditions in cotton areas to the south. Temperatures across central Russia and northern Kazakhstan averaged within 1 to 2°C of normal, though warmer-than-normal conditions (up to 4°C above normal) lingered in the southeastern wheat and barley areas of Kazakhstan (Akmola Region). The central Asia spring grain belt has been subjected to extreme temperature swings during the 2023 growing campaign, with two acute heat waves (early June and mid-July) nestled within periods of much cooler weather. Rainfall has followed suit, with beneficial rain interspersed amongst periods of total dryness. This week's widespread showers (10-55 mm, but less than 5 mm in parts of northeastern Kazakhstan) supplanted a dry first half of the month, providing a late boost to reproductive to filling wheat and barley. Despite the cooler, showery weather, the latest satellite-derived Vegetation Health Index continued to depict sub-par crop vigor across much of the region. Farther south over the Commonwealth of Independent States (CIS), seasonably sunny skies were accompanied by extreme heat. During the period, temperatures across the CIS averaged 1 to 3°C above normal in central Uzbekistan and environs and up to 5°C above normal in Kyrgyzstan. Daytime highs into the lower 40s (degrees C) accelerated flowering cotton toward the open boll stage of development. The high temperatures maintained the potential for stress on the heat-tolerant cotton crop, further exemplified by 7-day average temperatures which topped 30°C across much of central Uzbekistan and southeastern Turkmenistan.

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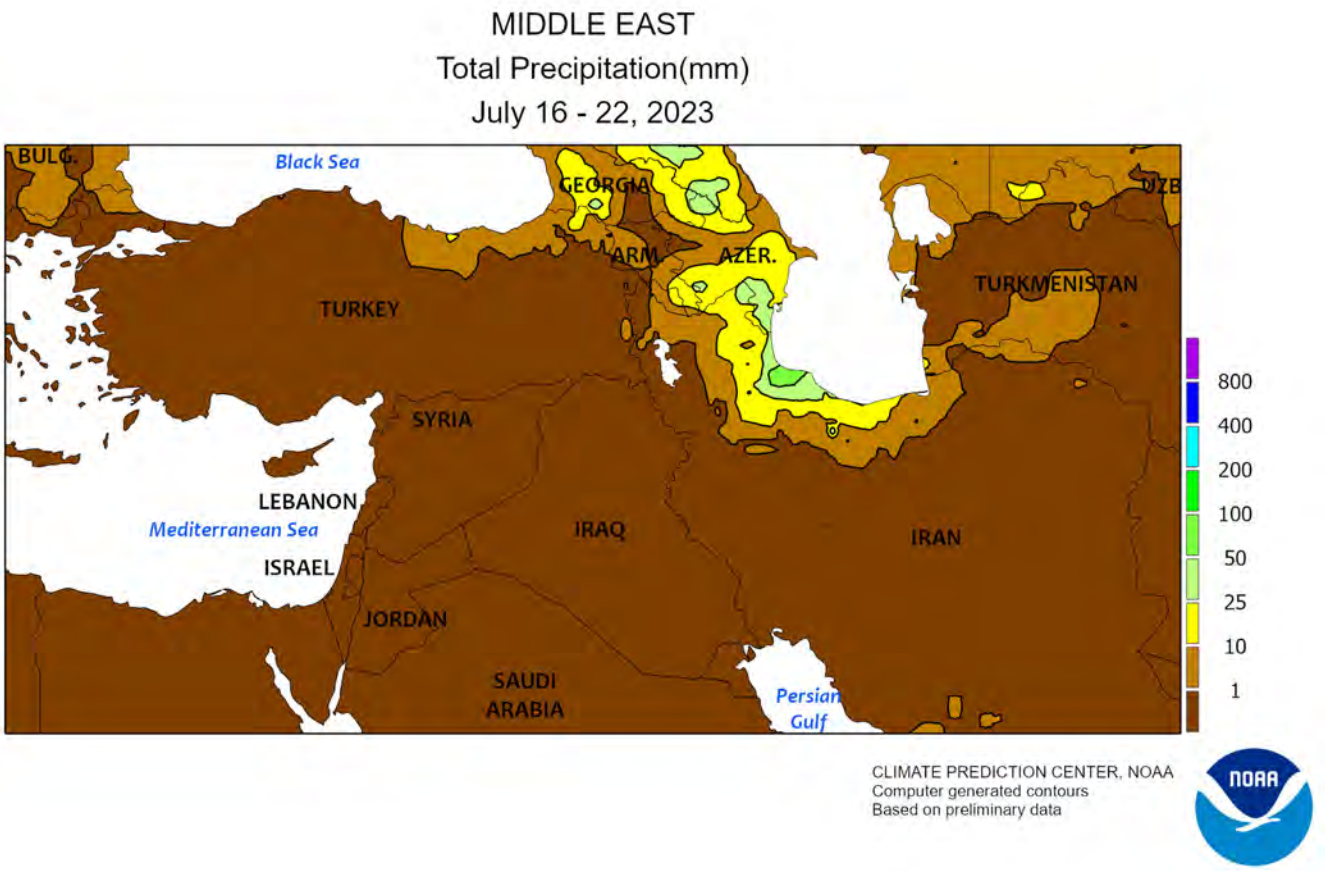

MIDDLE EAST

Outside of the Caspian Sea Coast, seasonably dry weather prevailed. Sunny skies promoted the development of irrigated corn, cotton, and sunflowers in Turkey. Corn and sunflowers ranged from reproductive on the Anatolian Plateau to filling in the northwest (Thrace) and southeast (Adana and GAP Regions). Cotton was mostly flowering but advancing toward the open boll stage of development in the climatologically warmer southeastern growing areas. Despite the dry weather regime, moderate to heavy showers (25-130 mm) were noted along the southwestern Caspian Sea Coast in northern Iran, mostly falling outside of major agricultural areas. Temperatures across the Middle East averaged within 1 to 2°C of normal nearly everywhere save for building extreme heat (up to 5°C above normal, with daytime highs 38-44°C) in western and southwestern portions of Turkey.

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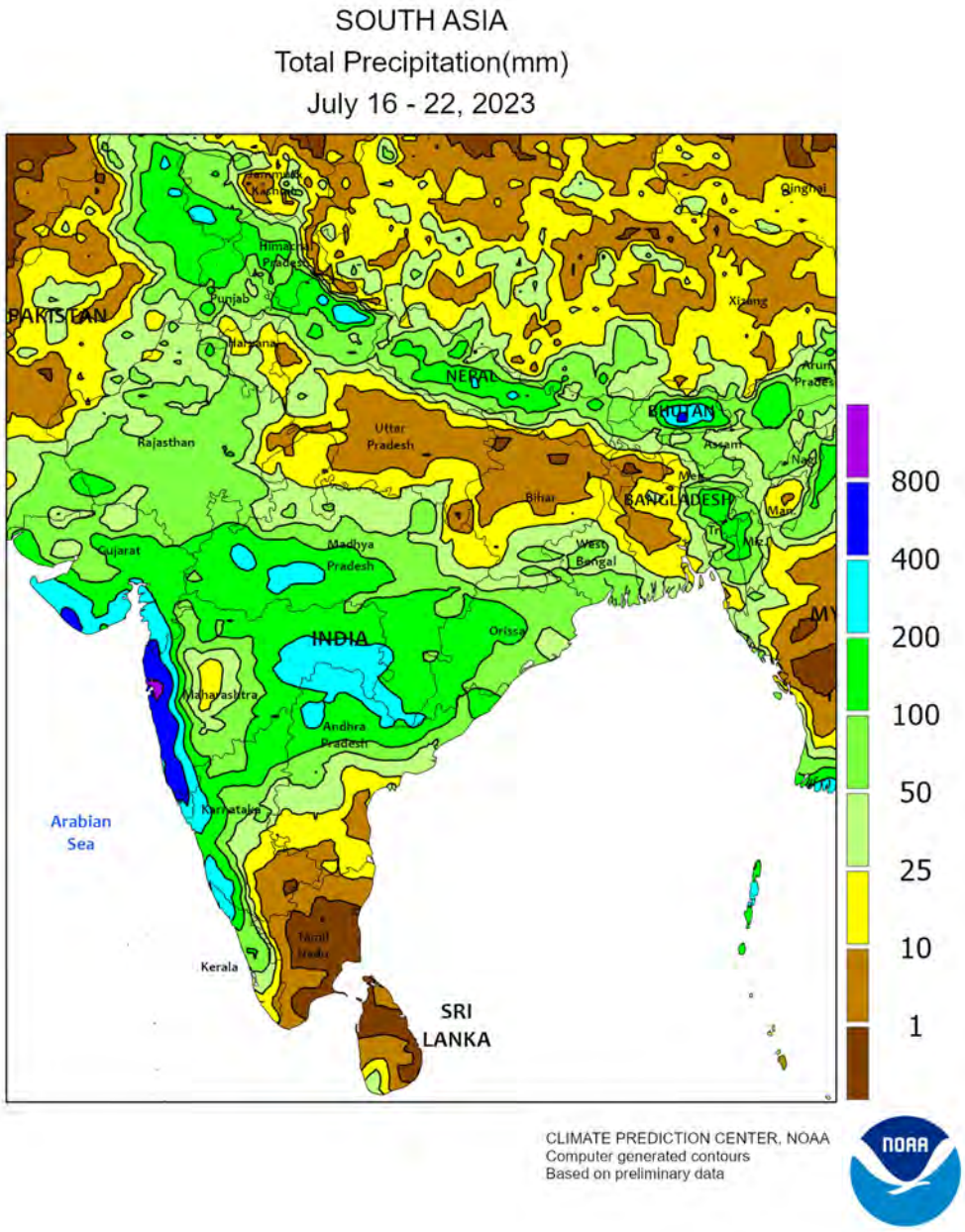

SOUTH ASIA

Monsoon showers spread across most major growing areas in India, including previously dry sections in the south. Rainfall amounts surpassed 25 mm in most areas with some south-central locales topping 150 mm and deluges (as much as 700 mm) along the western coast. Though flooding occurred in the coastal areas, the moisture benefited kharif crops elsewhere. In contrast to the favorable rainfall in most reaches, extensive pockets of unseasonably dry weather prevailed in southwestern India and in the Ganges River Basin (including western Bangladesh) to the north. Nevertheless, with the recent spate of rain, sown area as of July 21 has surpassed last year on the same date for grains, oilseeds, and cotton.

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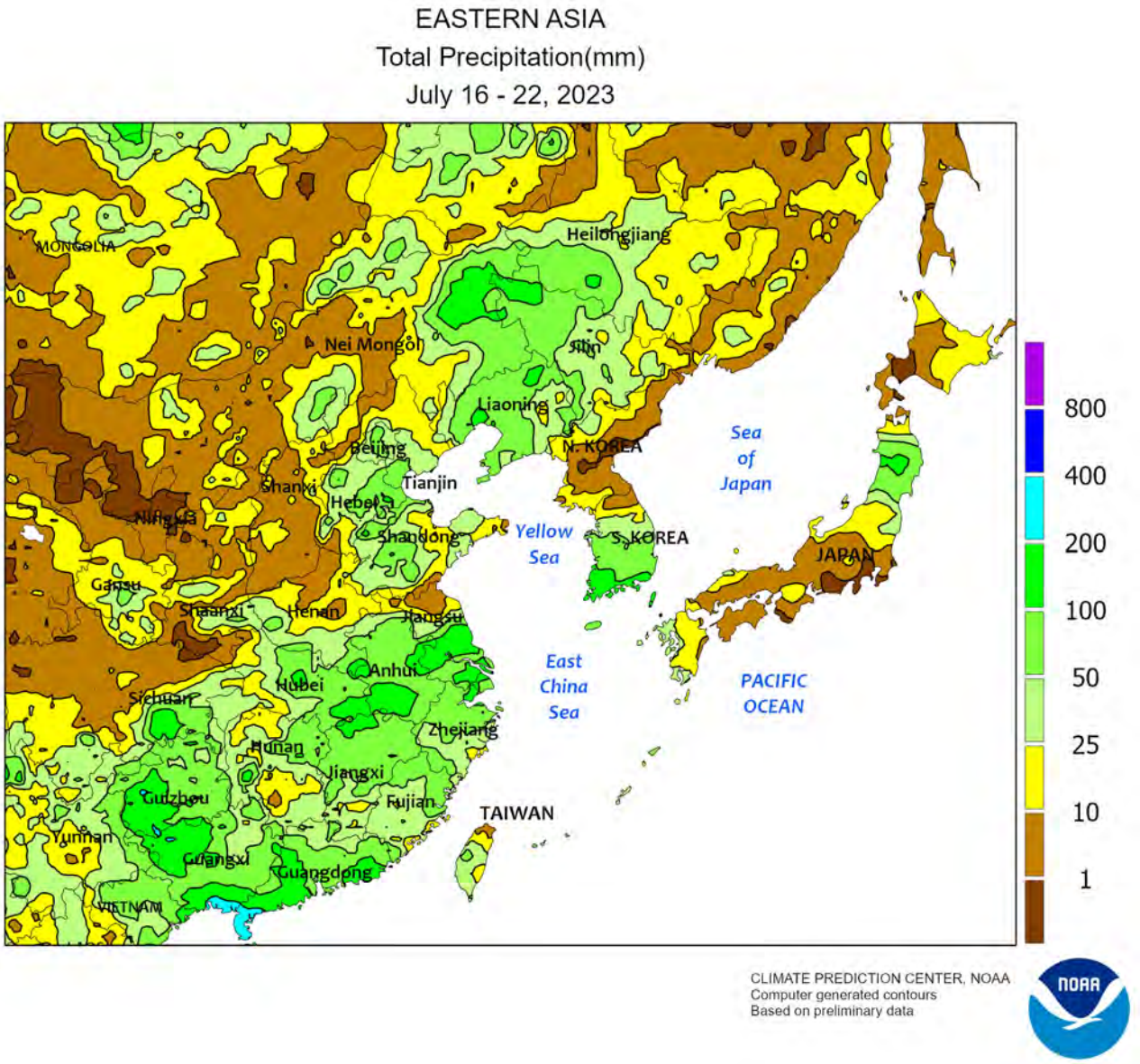

EASTERN ASIA

A month-long dry spell was broken in southern China with much-needed rainfall. Rainfall amounts varied between 25 and 100 mm in most southern locales, providing the most substantial rainfall since June 24 and improving moisture conditions for rice. Similar rainfall totals were recorded in the Yangtze Valley and northward onto portions of the North China Plain and into the northeast. In all, the moisture benefited summer crops ranging in development from late vegetative to early reproductive as well as helping to lower temperatures following stressful heat. Meanwhile, temperatures in key western cotton areas of China topped 40°C (almost 6°C above normal), increasing irrigation demands and stressing the crop. Elsewhere, early-week rainfall (25-100 mm or more) in South Korea maintained favorable moisture conditions for rice and other crops following a dry June, while showers were generally lighter (less than 25 mm) in North Korea and Japan; seasonal moisture conditions have been favorable in the latter two.

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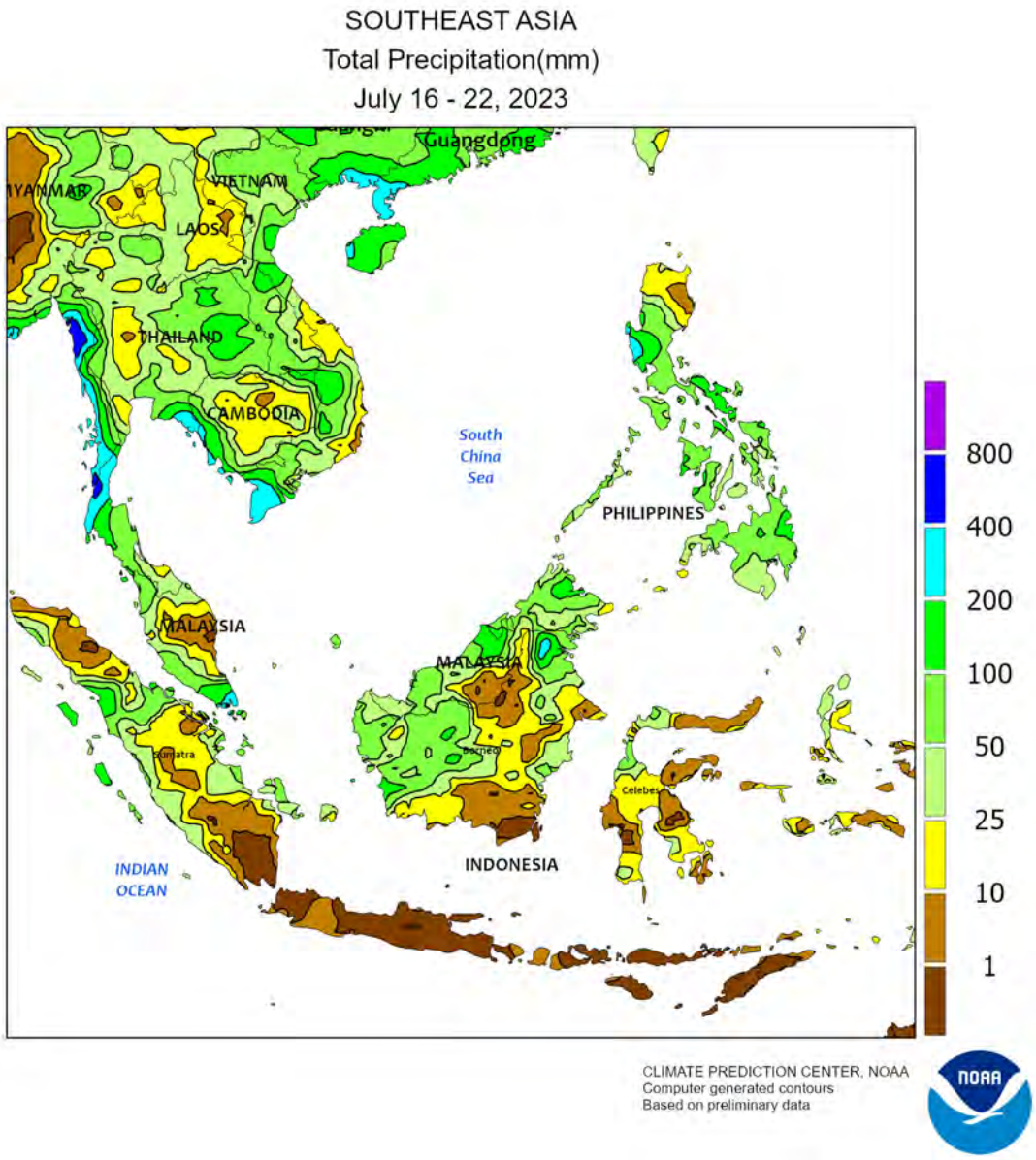

SOUTHEAST ASIA

A weak tropical cyclone (Talim) added to widespread monsoon showers in Indochina, bringing much-needed moisture to areas that previously received unseasonably light rainfall. Nevertheless, pockets of drier weather persisted in Thailand and other locales, with seasonal rainfall (beginning June 1) in northern Thailand at its lowest since 2019. Meanwhile, rice and corn in the Philippines benefited from seasonable showers (25-100 mm) in all but northwestern Luzon (Cagayan Valley, a top producer). Some of the rainfall occurred late in the period, courtesy of a strong typhoon (Doksuri) off the northwestern coast. Elsewhere, the recent unseasonably wet weather in Malaysia and Indonesia abated allowing oil palm harvesting to proceed at a normal pace.

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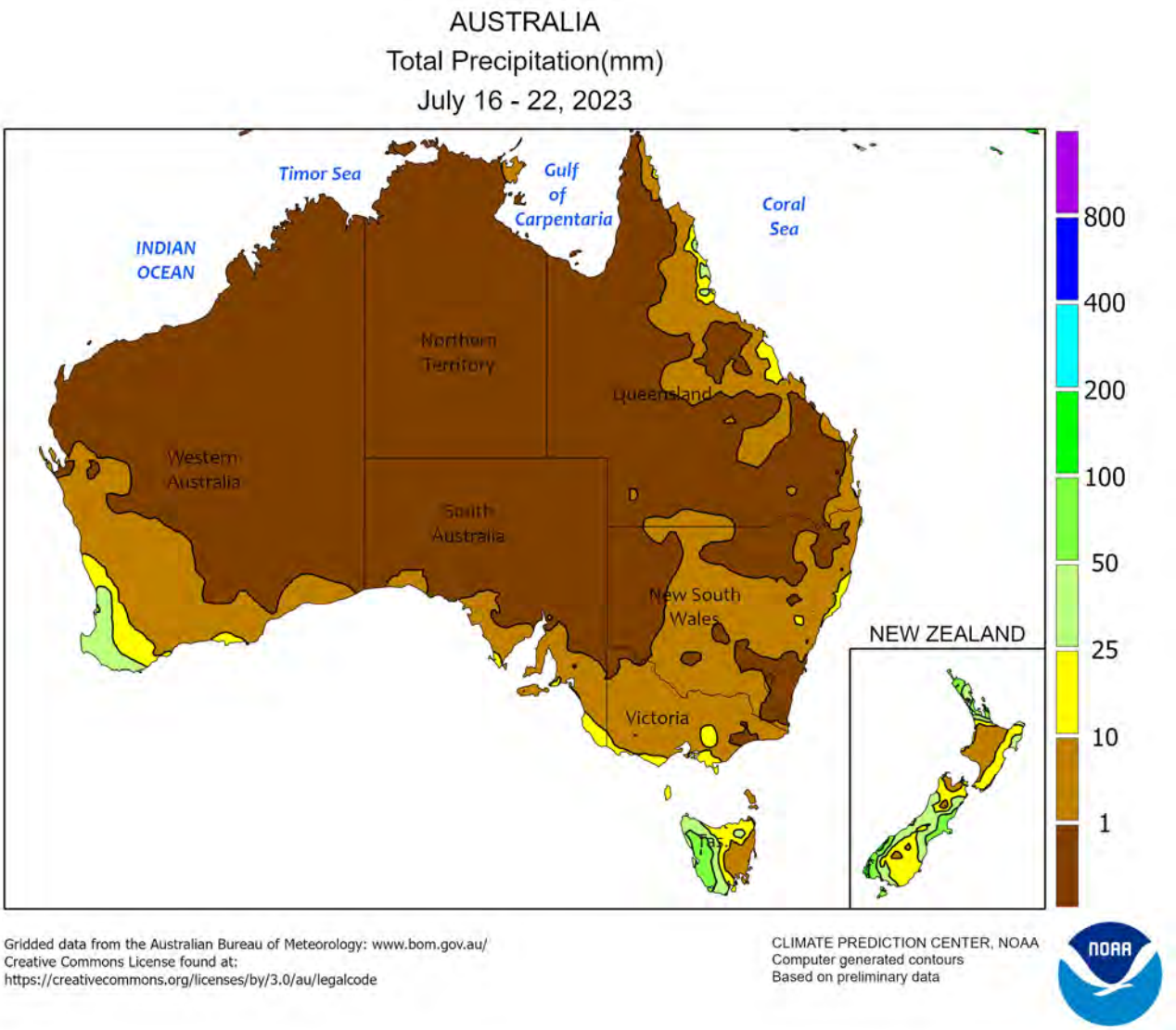

AUSTRALIA

For the second consecutive week, showers were mostly light (less than 5 mm) and widely scattered in southern and eastern portions of the wheat belt. The relatively dry weather reduced moisture supplies for vegetative winter grains and oilseeds, with soil moisture ranging from adequate in the south to below normal in the northeast by week's end. Farther west, light showers (3-12 mm) overspread Western Australia during midweek, helping to moisten the topsoil. Nevertheless, root zone soil moisture remained below normal in northern and central growing areas, limiting the amount of water available to vegetative winter crops. More rain would be welcome in Western Australia, as well as portions of southern and eastern Australia, to help maintain early season wheat, barley, and canola prospects. Maximum temperatures were in the upper 10s and lower 20s (degrees C) in most major winter crop producing areas

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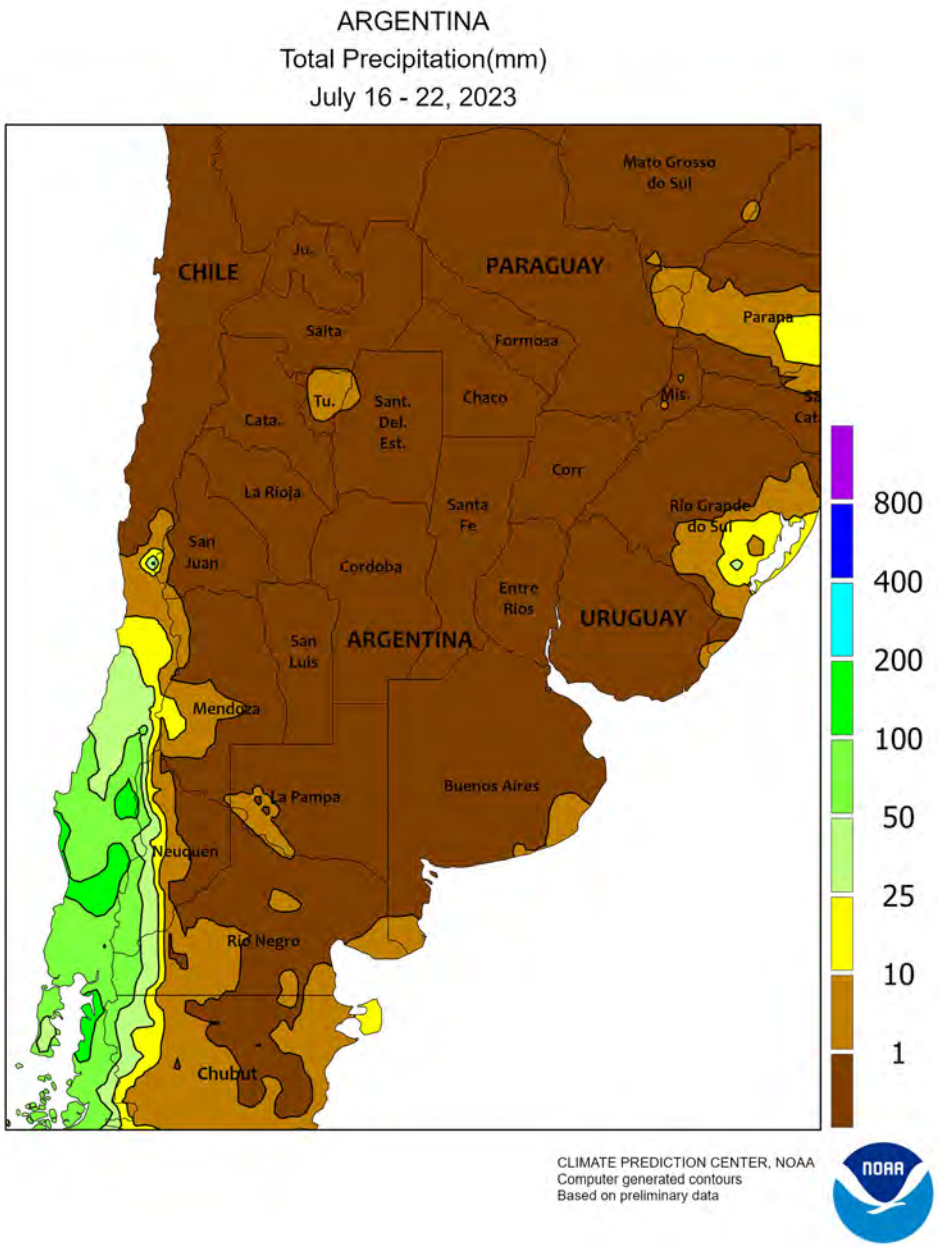

ARGENTINA

Mild, sunny weather dominated the region, supporting the late stages of seasonal fieldwork and promoting growth of emerging winter grains. Most agricultural districts were completely dry, and weekly temperatures averaged near to above normal, although freezes were common as far north as Chaco. Highest daytime temperatures ranged from the upper 10s (degrees C) over southern Buenos Aires to the middle 30s in and around western Formosa. According to the government of Argentina, corn was 75 percent harvested as of July 20 versus 86 percent last year. Cotton was 86 percent harvested, compared with 87 percent last year. Meanwhile, wheat and barley were 91 percent and 87 percent planted, respectively.

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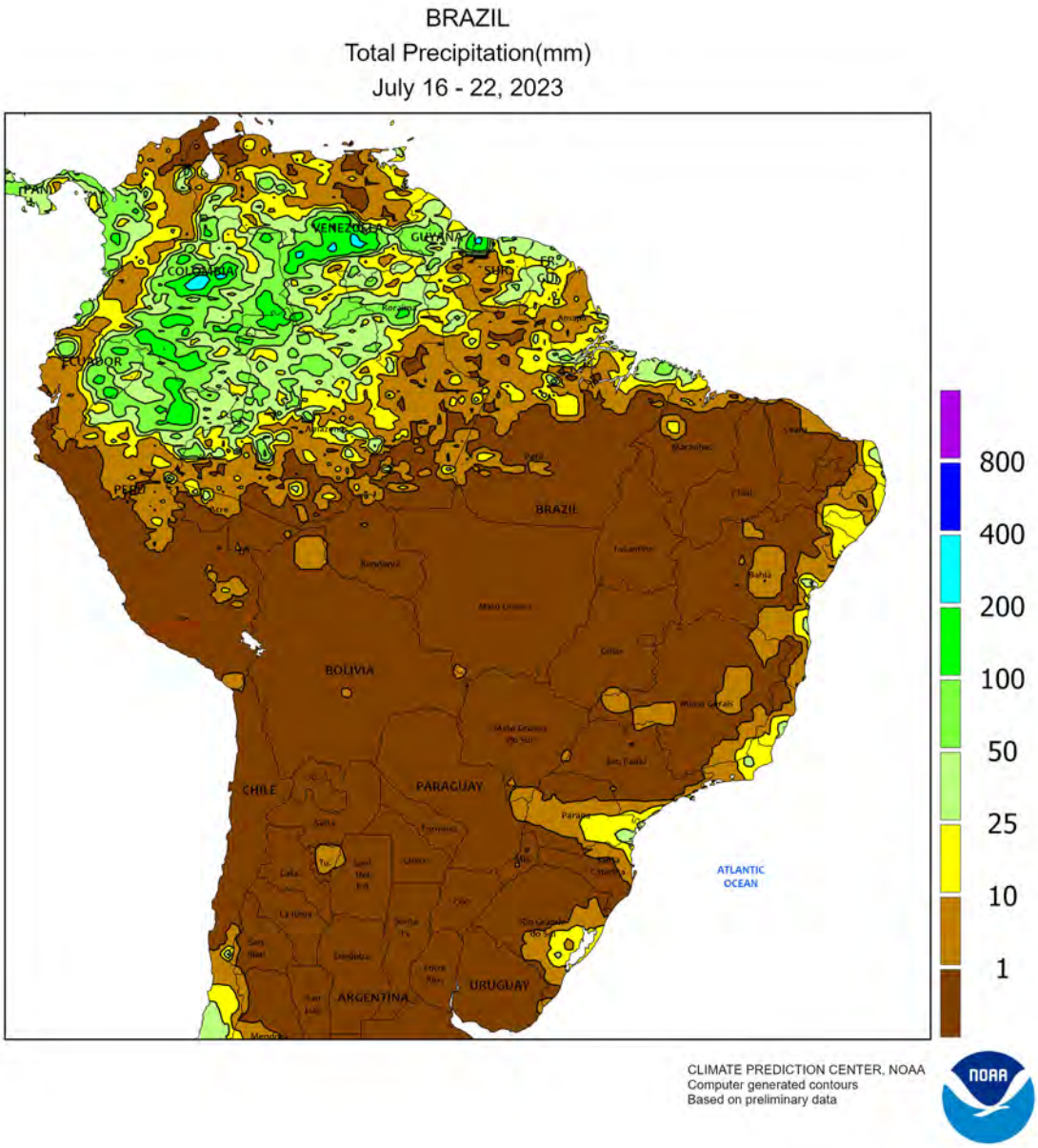

BRAZIL

Dry weather dominated much of the country, supporting seasonal fieldwork and promoting growth of wheat following last week's moisture. Nearly all interior farmlands were completely dry, with light showers (rainfall totally below 25 mm) confined to coastal areas. In the south, weekly temperatures averaged 1 to 2°C below normal, but nighttime lows remained above freezing in all but the southern-most agricultural areas bordering Uruguay. Highs from the middle 20s to lower 30s (degrees C) promoted growth of wheat at varying stages of development. According to the government of Paraná, nearly 50 percent of wheat had reached flowering as of July 17; 6 percent of second-crop corn was harvested, and another 45 percent had reached maturity. In Rio Grande do Sul, wheat was 95 percent planted as of July 20. Farther north, dryness and seasonable warmth (daytime highs reaching the middle 30s in traditionally warmer locations) fostered drydown and harvesting of corn and cotton. According to the government of Mato Grosso, corn was 84 percent harvested as of July 21, compared with 94 percent last year, and cotton was 11 percent harvested (32 percent last year).

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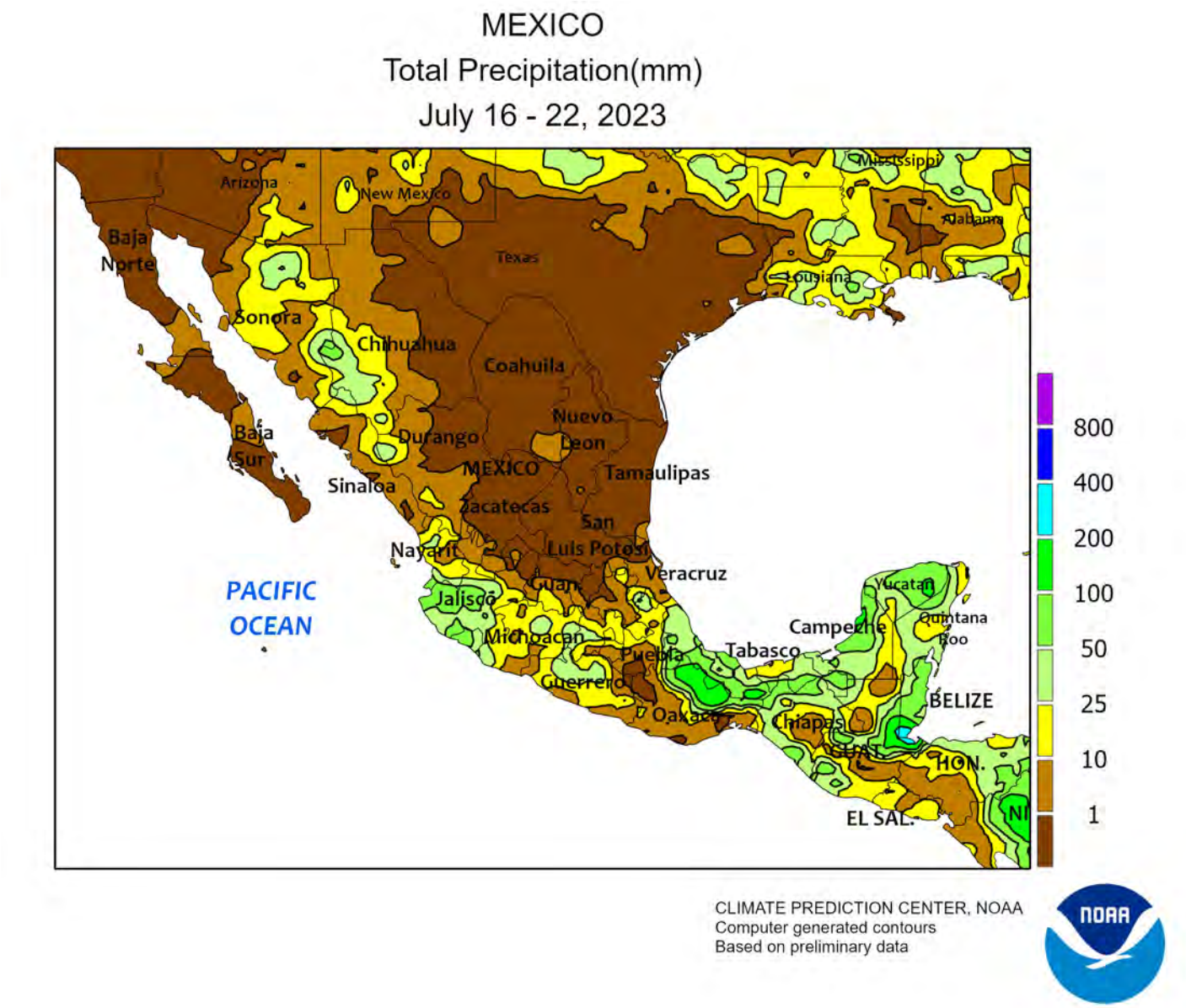

MEXICO

Scattered showers continued across the south and northwest, although rain was less intense compared to recent weeks. Rainfall totaled greater than 50 mm over Jalisco, but amounts were generally lighter (locally less than 10 mm) elsewhere on the southern plateau. Monsoon showers also diminished, with just a few locations recording more than 50 mm between western Durango and Sonora. In contrast to the reduction in seasonal rainfall in the northwest and on the southern plains, heavy showers (25-100 mm, locally approaching 200 mm) soaked the southeast, including key agricultural areas from southern Veracruz to Campeche. Elsewhere, dryness and heat (daytime highs reaching into the lower 40s degrees C on multiple days) persisted over the northeast and northern interior (Chihuahua to Tamaulipas), maintaining high demands for water for both crops and livestock.

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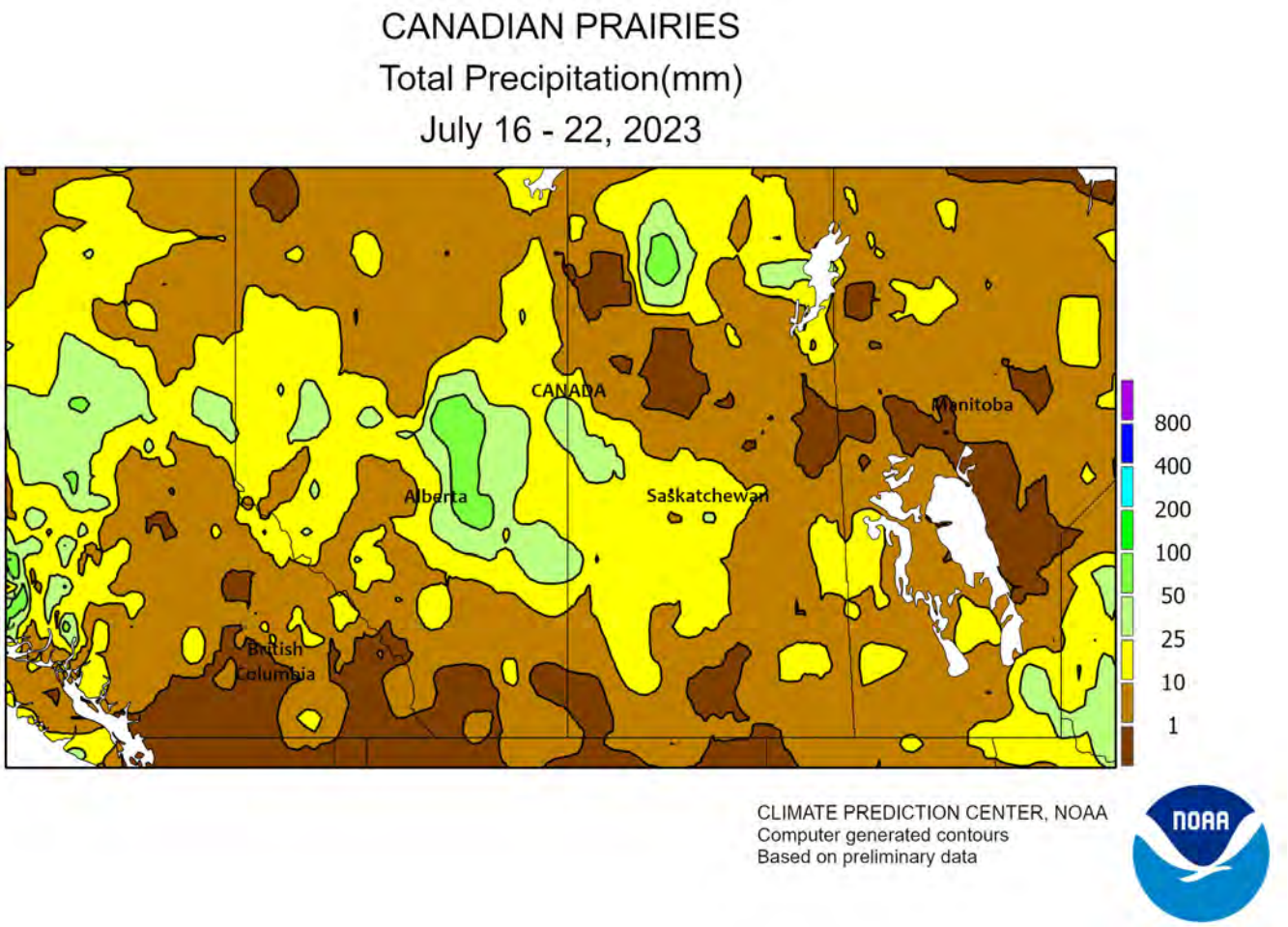

CANADIAN PRAIRIES

Beneficial rain spanned the northern Prairies, as drier, warmer weather returned to the southwest. Rainfall totaled 5 to 50 mm from Alberta's Peace River Valley eastward across Saskatchewan's northern farming areas into eastern Manitoba. The heaviest rain (greater than 25 mm) was concentrated over Alberta's eastern farming areas, while amounts were generally patchier and lighter farther east. Drier conditions prevailed elsewhere, including production areas in southern Alberta and southwestern Saskatchewan that recently recorded much-needed rainfall. Weekly average temperatures ranged from 1 to 2°C above normal in Alberta to 1 to 2°C below normal in Manitoba and eastern Saskatchewan. Nighttime lows dropped below 5°C in the cooler eastern areas but no freeze was recorded. Meanwhile, hot weather (daytime highs reaching the middle 30s degrees C locally) returned to the southwest, spurring rapid growth of vegetative to reproductive spring grains and oilseeds but likely stressing some vulnerable crops.

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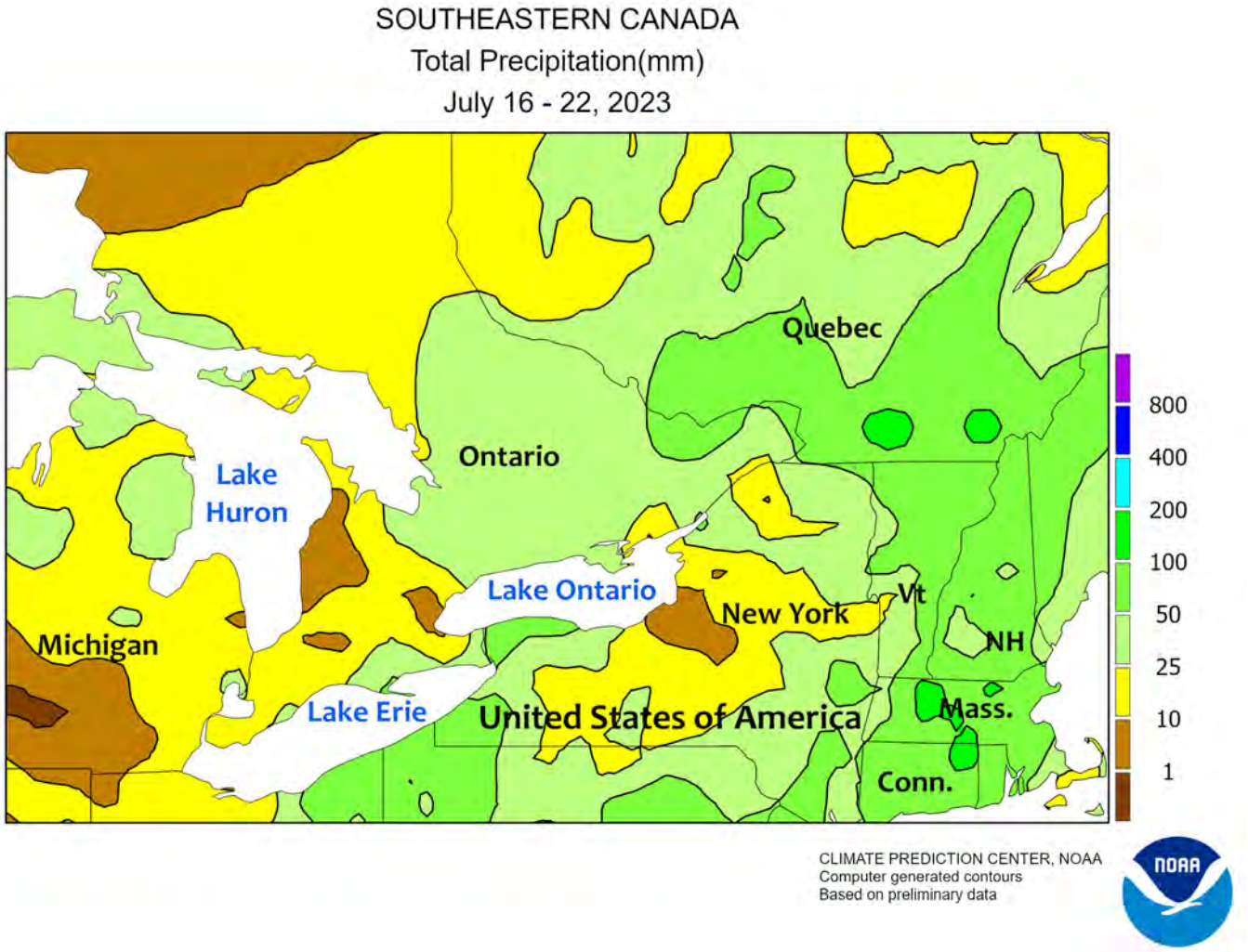

SOUTHEASTERN CANADA

Conditions remained overall favorable for crops and pastures, although drier weather would be welcomed in southern sections of Quebec. Rainfall ranged from less than 10 mm in Ontario's southwestern agricultural districts to more than 50 mm in Quebec, with amounts approaching or exceeding 100 mm near the U.S. border. While additional rain will be needed in the drier parts of Ontario for corn and soybeans advancing through reproduction, drier conditions are needed in Quebec for cutting hay and the upcoming winter wheat harvest. Temperatures averaged near to slightly below normal in the drier parts of Ontario and 1°C above normal in Quebec. On most days, daytime temperatures reached the middle and upper 20s (degrees C) regionwide, fostering growth of summer crops and pastures with no heat stress.

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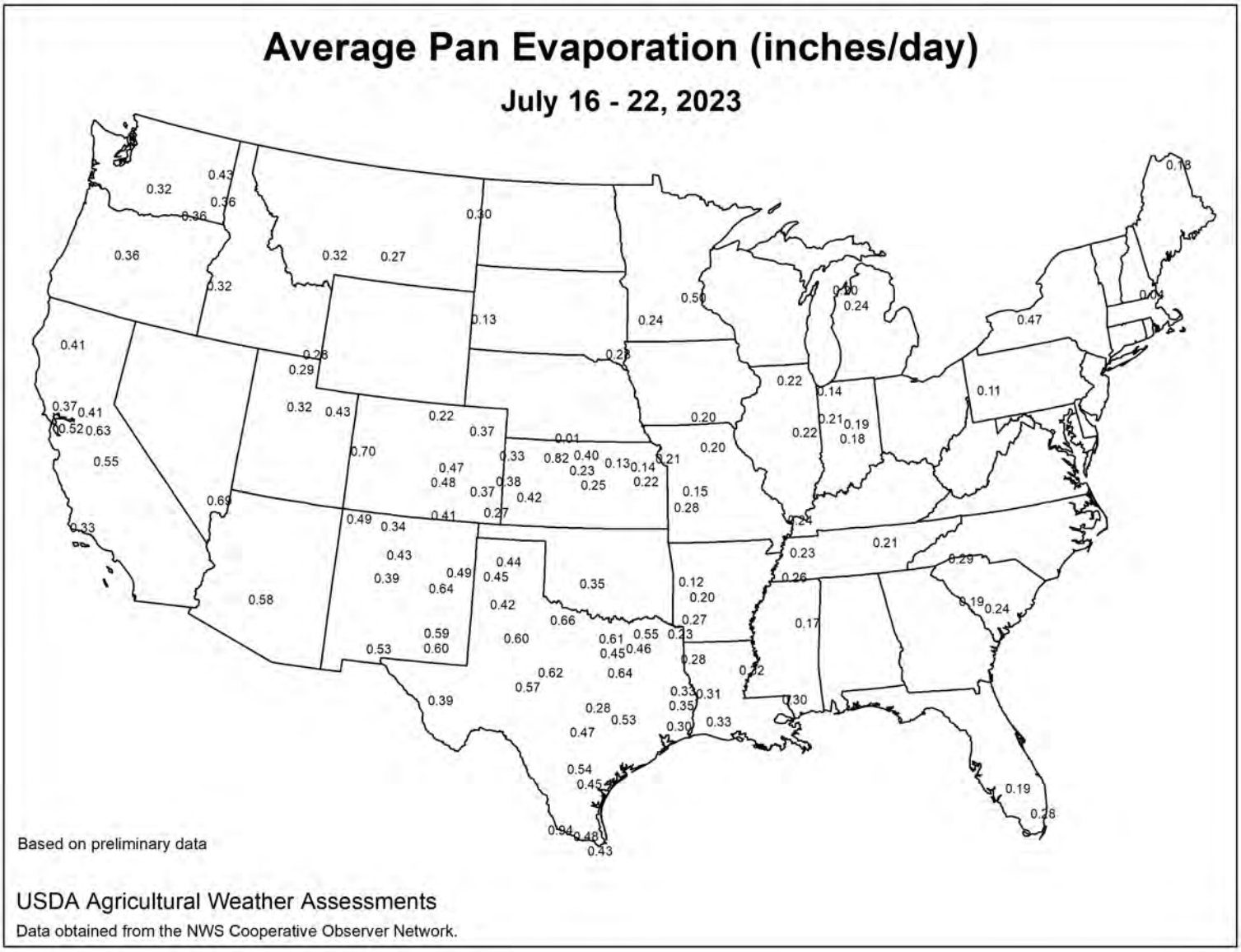

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