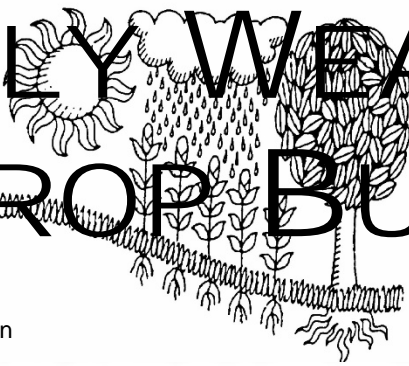
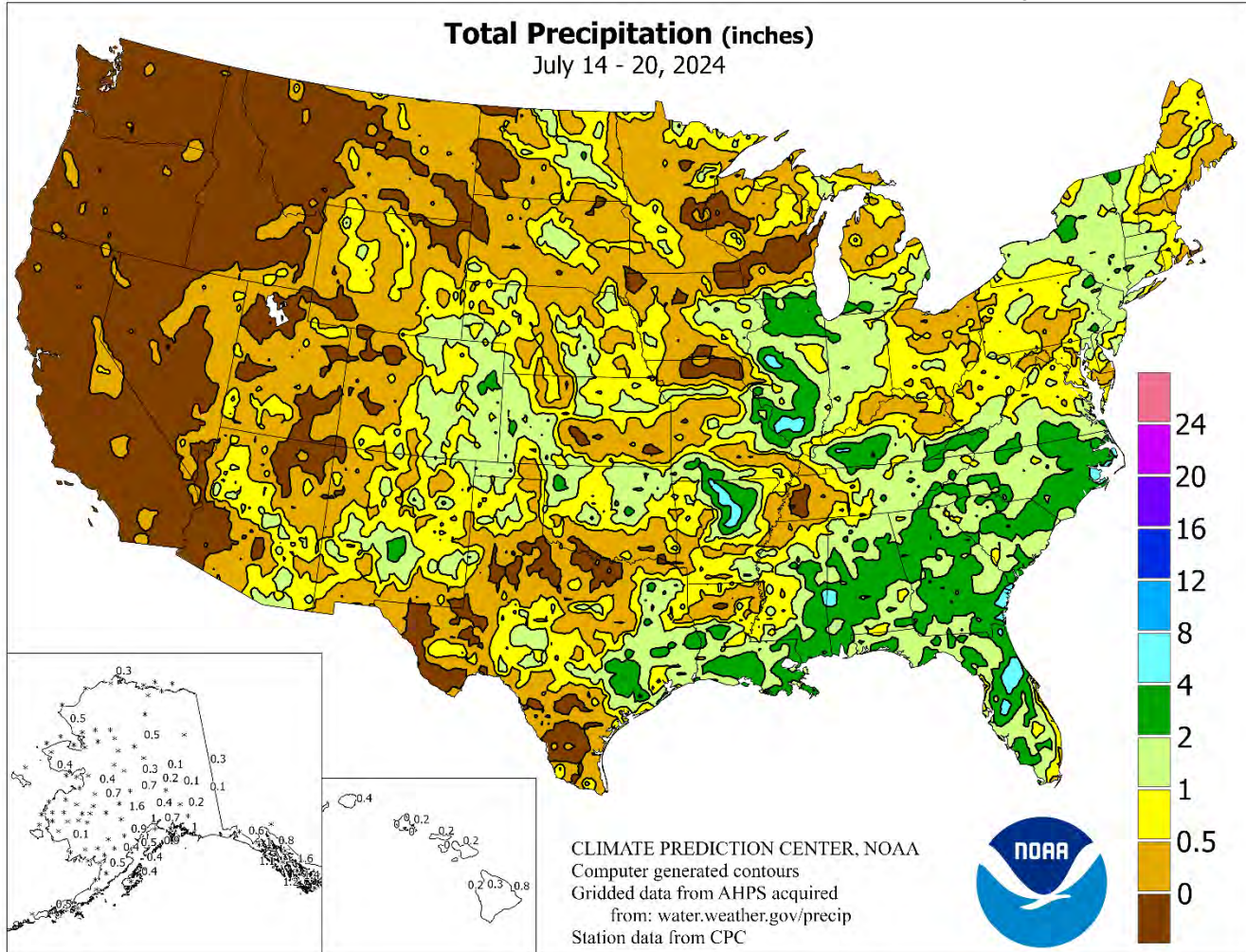


WEEKLY WEATHER AND CROP BULLETIN



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

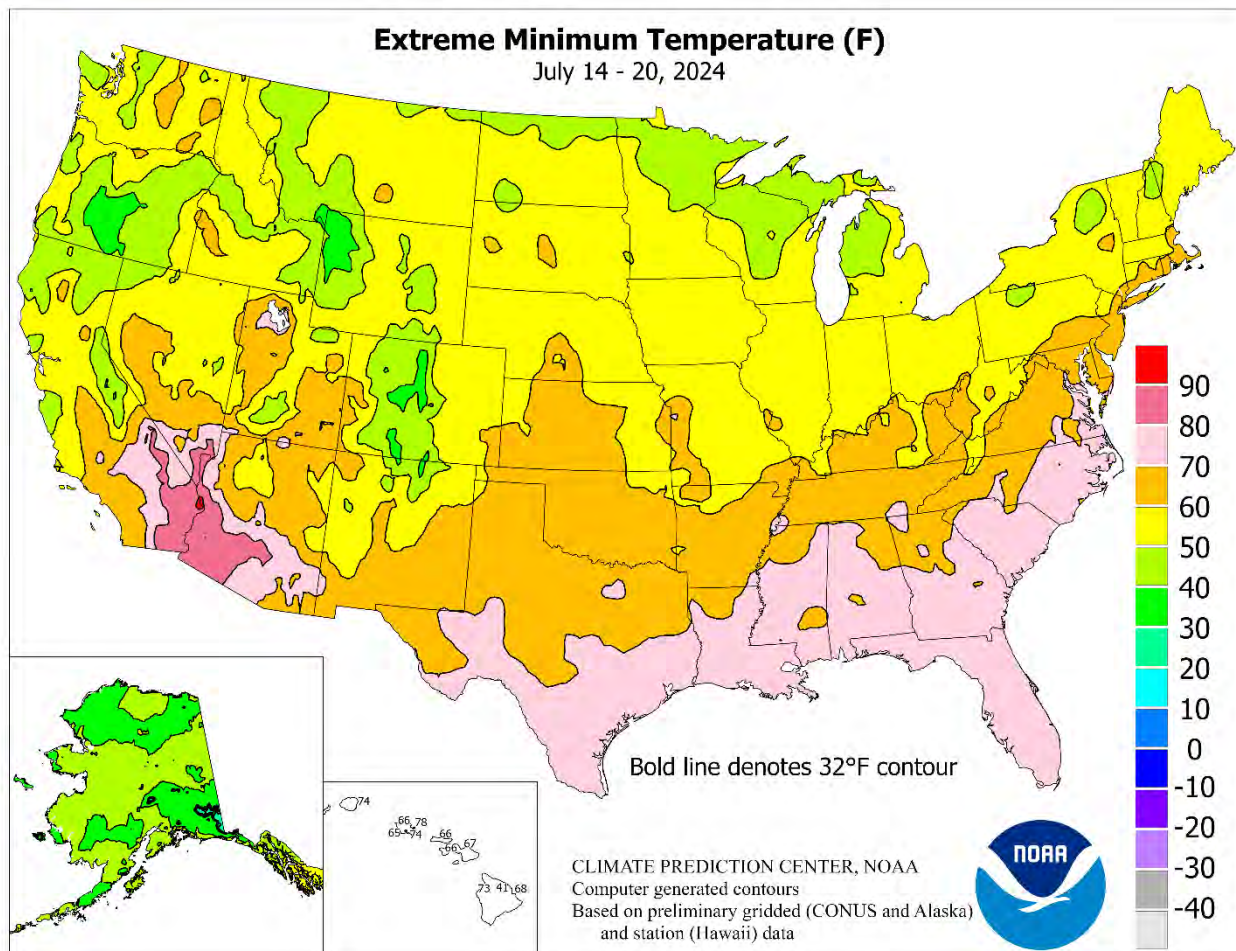
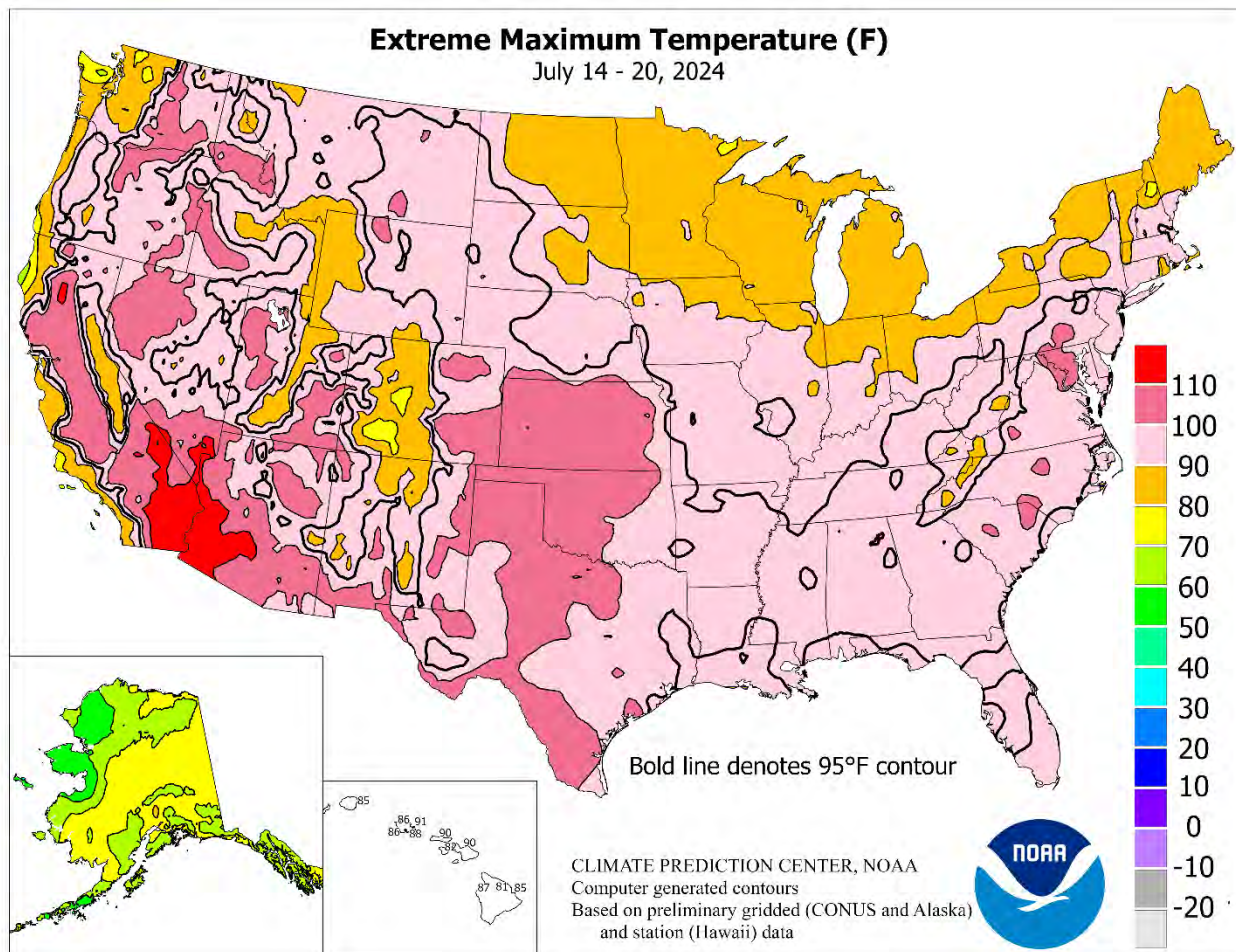
July 14 – 20, 2024

Highlights provided by USDA/WAOB

A cold front steadily advancing southward and eastward drew cooler air across the **Plains, Midwest, and mid-South**. Locally heavy showers and thunderstorms in advance of the front produced localized wind damage and flash flooding in a few areas, but also benefited pastures and summer crops, especially in drought affected sections of the **middle Atlantic and Southeastern States**. The tail of the front generated a few thunderstorms across the **Plains**—and became entangled in the **Southwestern** monsoon circulation. **Southwestern** showers were

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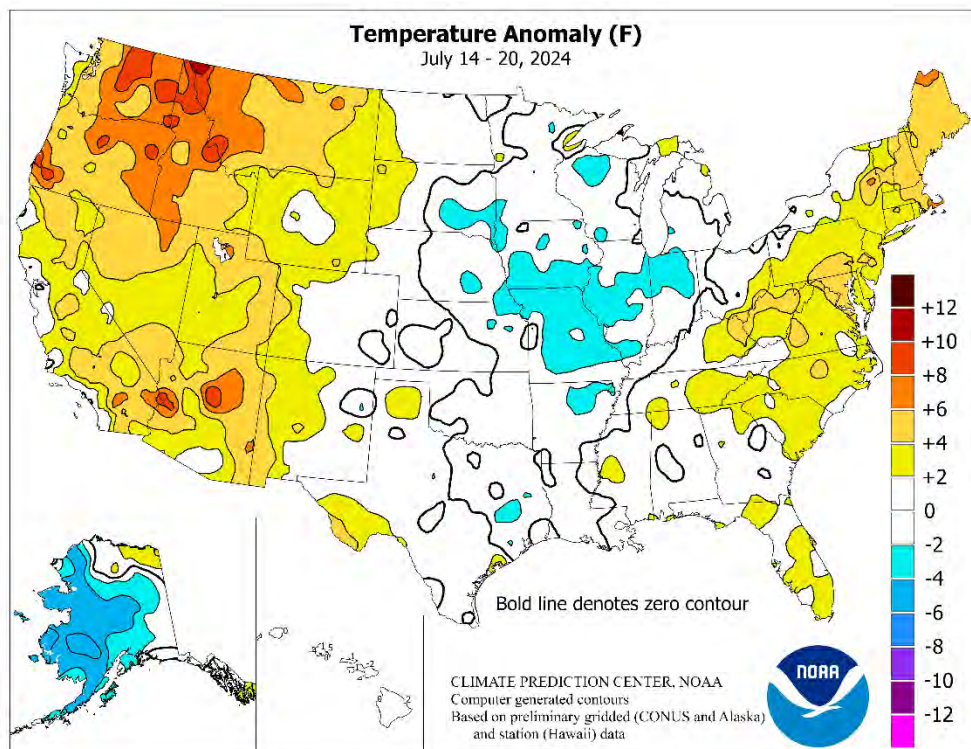


(Continued from front cover)

generally heaviest in the **central and southern Rockies**, extending into parts of **Arizona**. The remainder of the **western U.S.** experienced hot, mostly dry weather, with lightning-laced dry thunderstorms sparking several new wildfires. By week's end, more than five dozen large **Western** wildfires were in various stages of containment, with four individual fires in **Oregon** having scorched more than 100,000 acres of vegetation. Other impacts from the ongoing **Western** heat wave included heavy irrigation demands, reductions in topsoil moisture, and increasing stress on rangeland, pastures, and crops. Weekly temperatures averaged 5 to 10°F above normal in the **Northwest**, primarily **east of the Cascades**. Readings also averaged at least 5°F above normal in portions of the **middle Atlantic States**, as well as **New England**. In contrast, near- or slightly below-normal temperatures encompassed the **Midwest**, extending southward to the **western Gulf Coast region**.

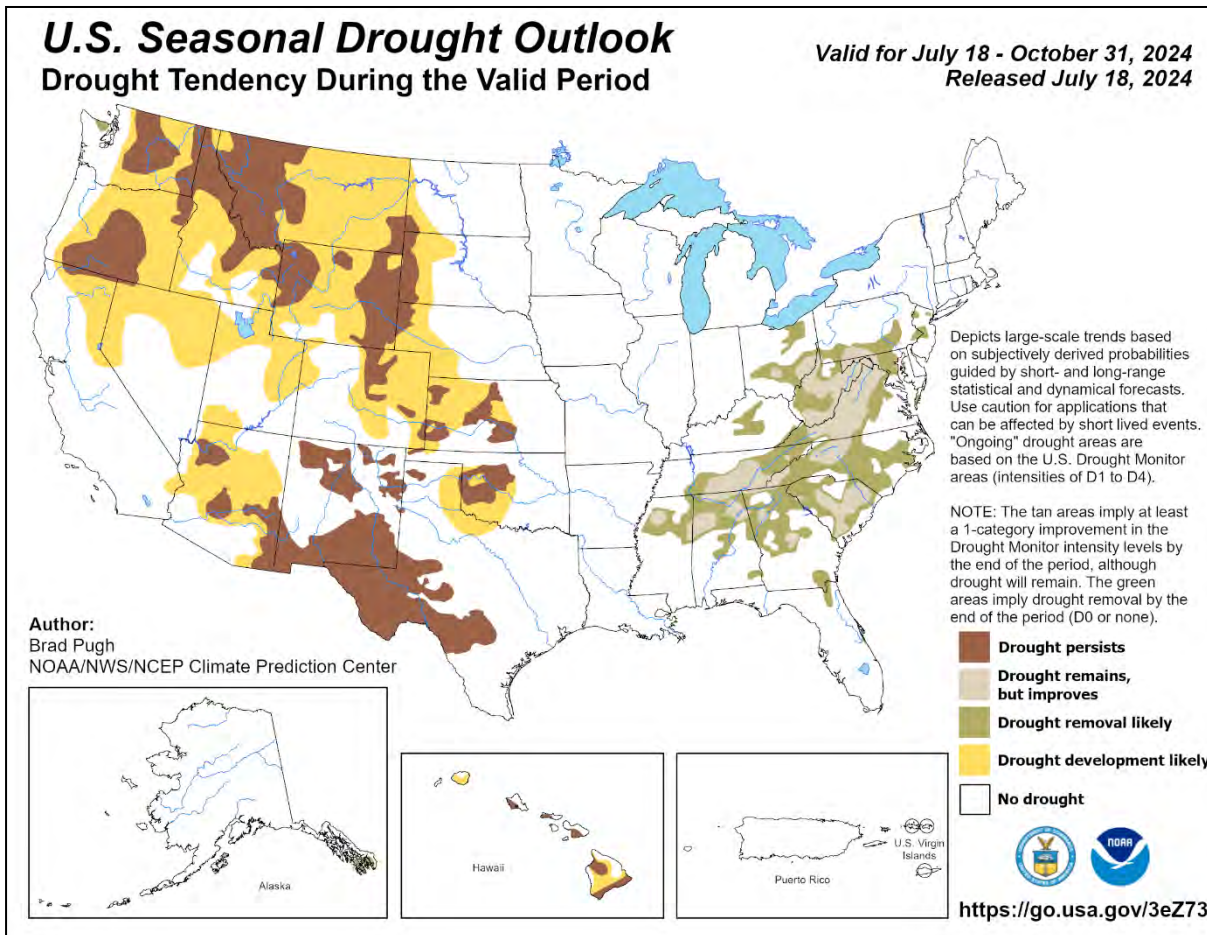
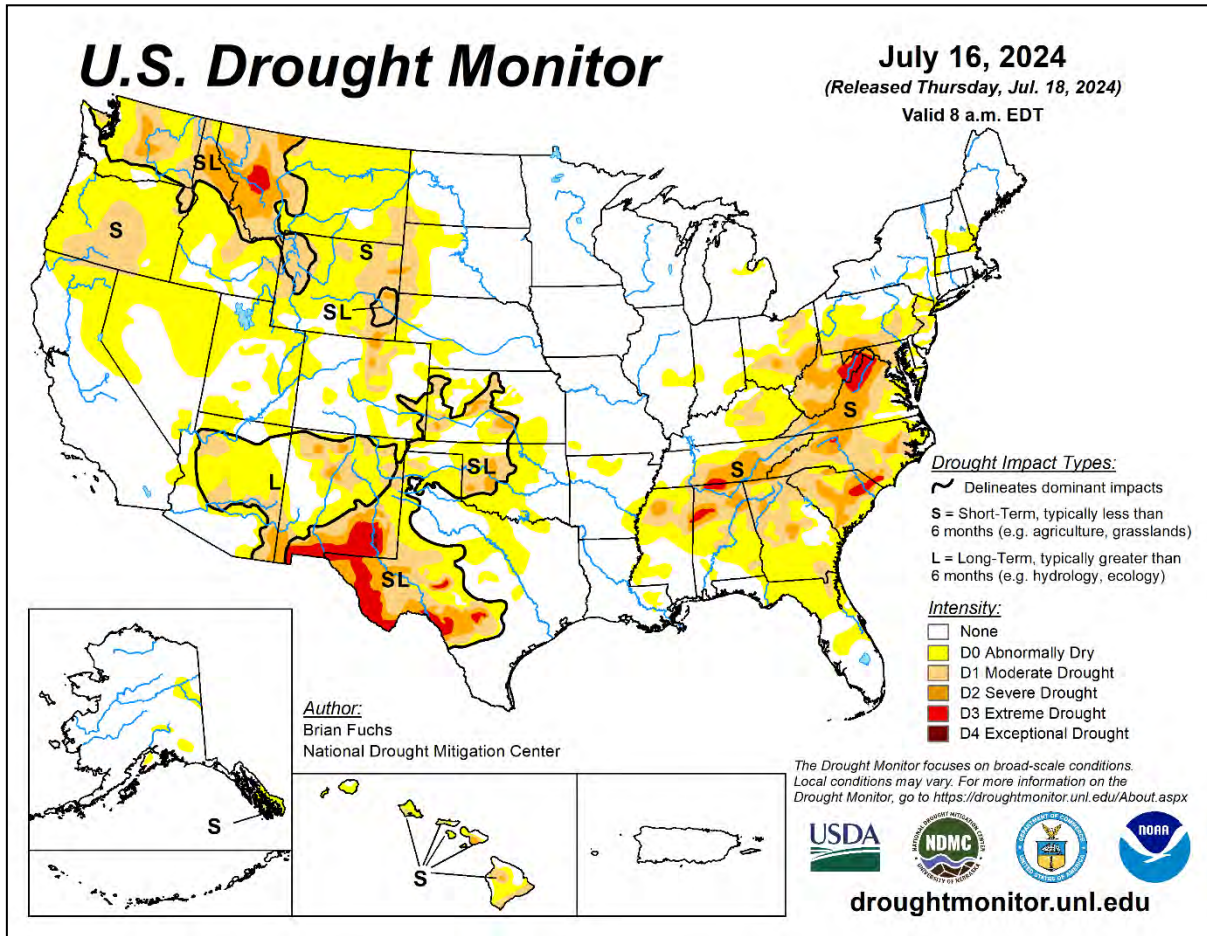
Continuing a recent theme, **Midwestern** temperatures remained well below stressful levels for reproductive corn and soybeans. In fact, a few daily-record lows were reported during the mid- to late-week period, with **Hibbing, MN**, noting 40°F on July 18. The following day, record-setting lows for the 19th included 51°F in **Ottumwa, IA**, and 54°F in **Springfield, IL**. In contrast, triple-digit temperatures occurred on 4 consecutive days (July 14-17) in **Baltimore, MD** (101, 102, 104, and 100°F), and **Washington, DC** (101, 102, 104, and 101°F). **Baltimore's** only other such observance was July 19-22, 1930, while **Washington, DC**, previously achieved the feat on July 19-22, 1930, and July 5-8, 2012. Early-week heat also affected the **central and southern Plains**, where triple-digit, daily-record highs for July 14 included 105°F in **Dalhart, TX**, and 101°F in **Denver, CO**. **Dalhart** posted another daily record on July 15, with a high of 107°F. Elsewhere on the 15th, daily-record highs soared to 110°F in **Borger, TX**, and **Russell, KS**. In the **Southeast**, record-setting highs for July 15 included 103°F in **Roanoke, VA**, and 102°F in **Florence, SC**. For **Roanoke**, it was the hottest day since June 29, 2012, when the high reached 104°F. During the second half of the week, heat re-intensified across the **West**, while cooler air gradually overspread the **central and eastern U.S.** By July 18, **Ellensburg, WA**, notched a daily-record high of 100°F. **Ellensburg** logged another daily record (101°F) on July 20. In **California** on the 20th, daily-record highs surged to 120°F in **Palm Springs**, 119°F in **Needles**, 107°F in **Montague**, and 100°F in **Mount Shasta City**. In **western Montana**, **Kalispell's** daily-record high (99°F on July 20) marked the 13th consecutive day with a reading of 90°F or greater, tying the station record originally set from July 11-23, 1960. That record was broken on July 20 with **Kalispell's** high of 100°F.

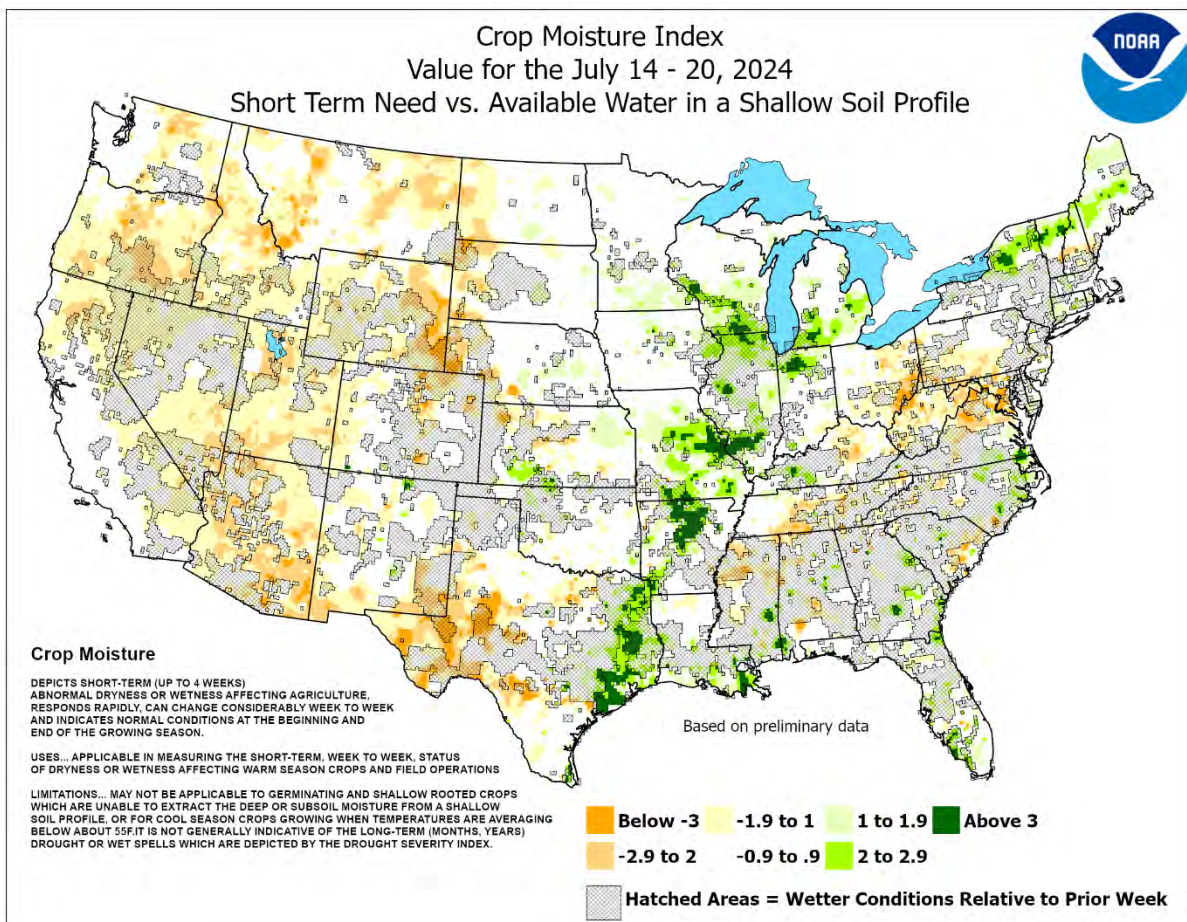
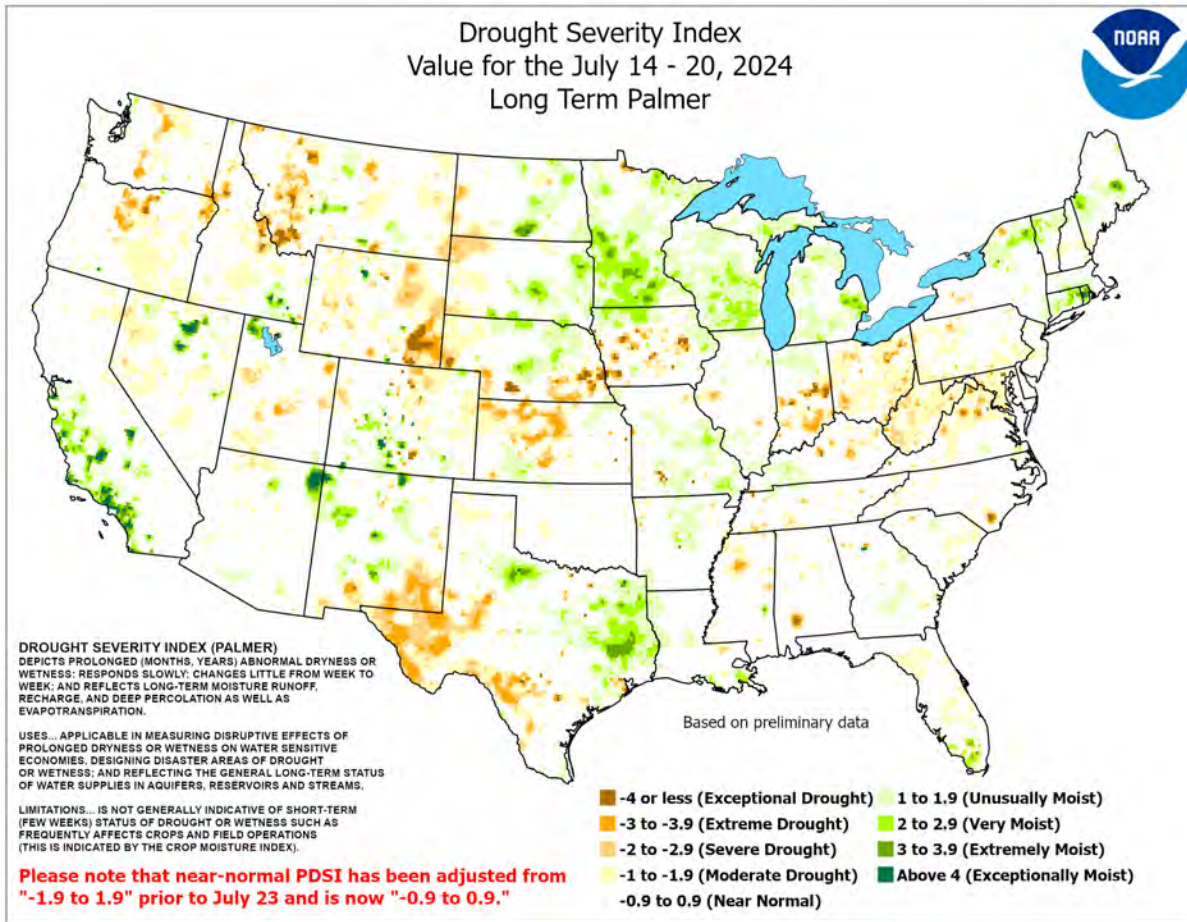
Early-week thunderstorms left some streaks of destruction across the **Midwest**. The most notable severe-weather outbreak, a derecho on July 15, swept across **Iowa** and **northern sections of Illinois and Indiana**, as well as portions of neighboring states. In addition, more than three dozen **Midwestern** tornadoes were spotted on the 15th, many of them in **Illinois**. Unofficial wind gusts topped 100 mph in a few **Illinois** locations, while official gusts included 79 mph in **Dubuque, IA**, and 75 mph in **Chicago, IL**, and **Lafayette, IN**. A separate area of thunderstorms in **Kansas** produced a gust to 85 mph in **Russell**. A day later in **southern Illinois**, runoff from torrential rainfall

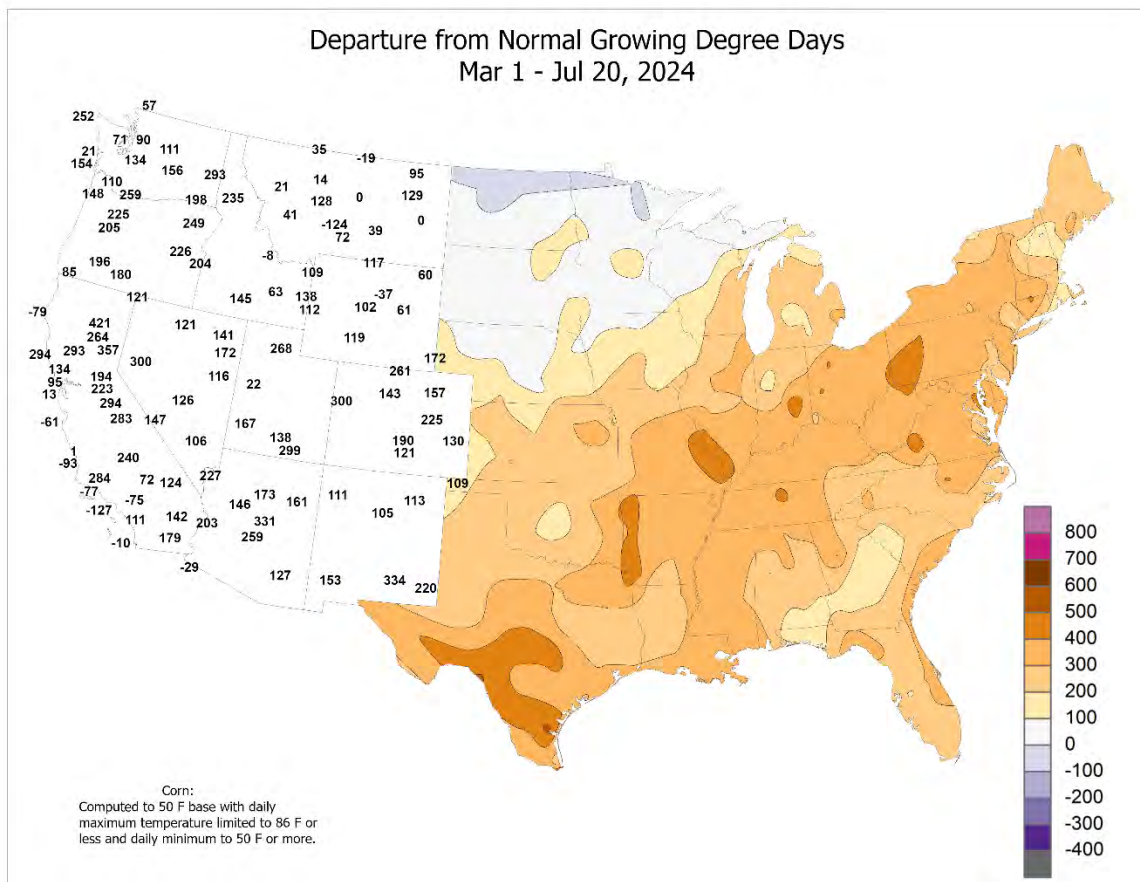
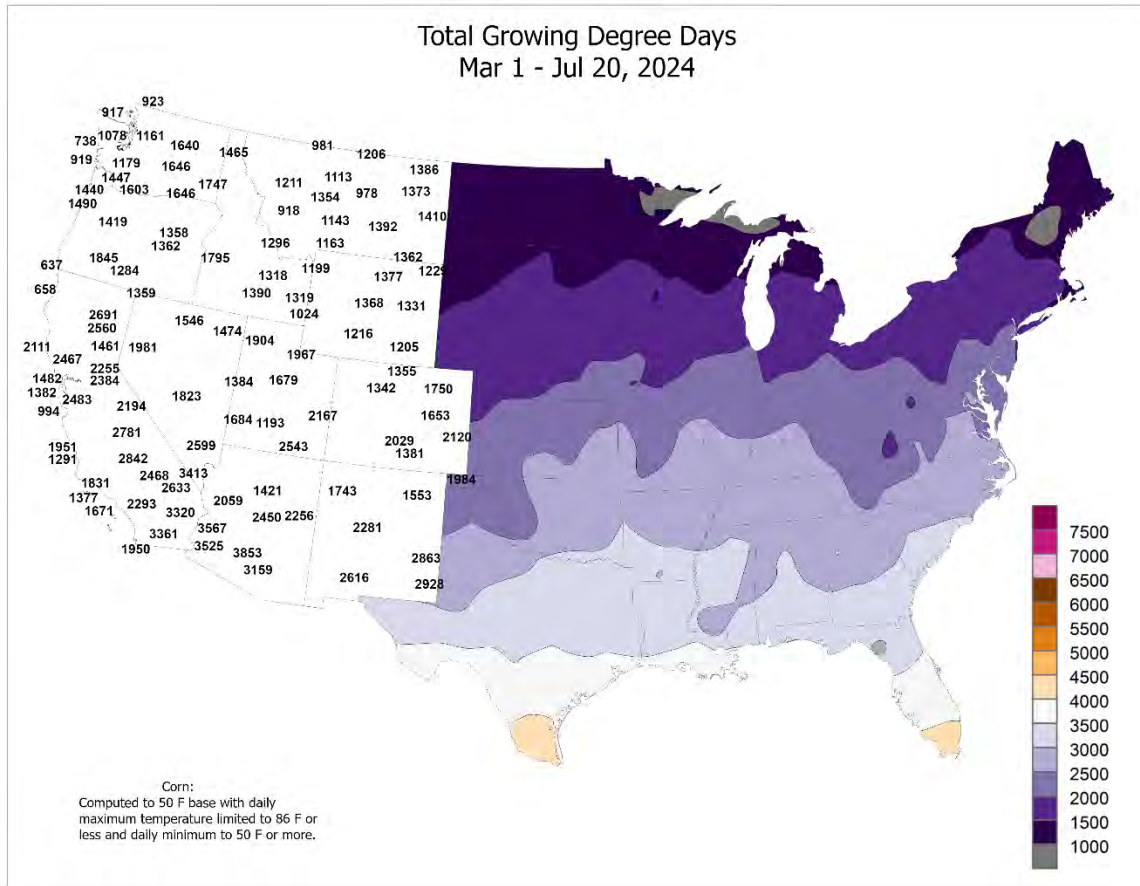


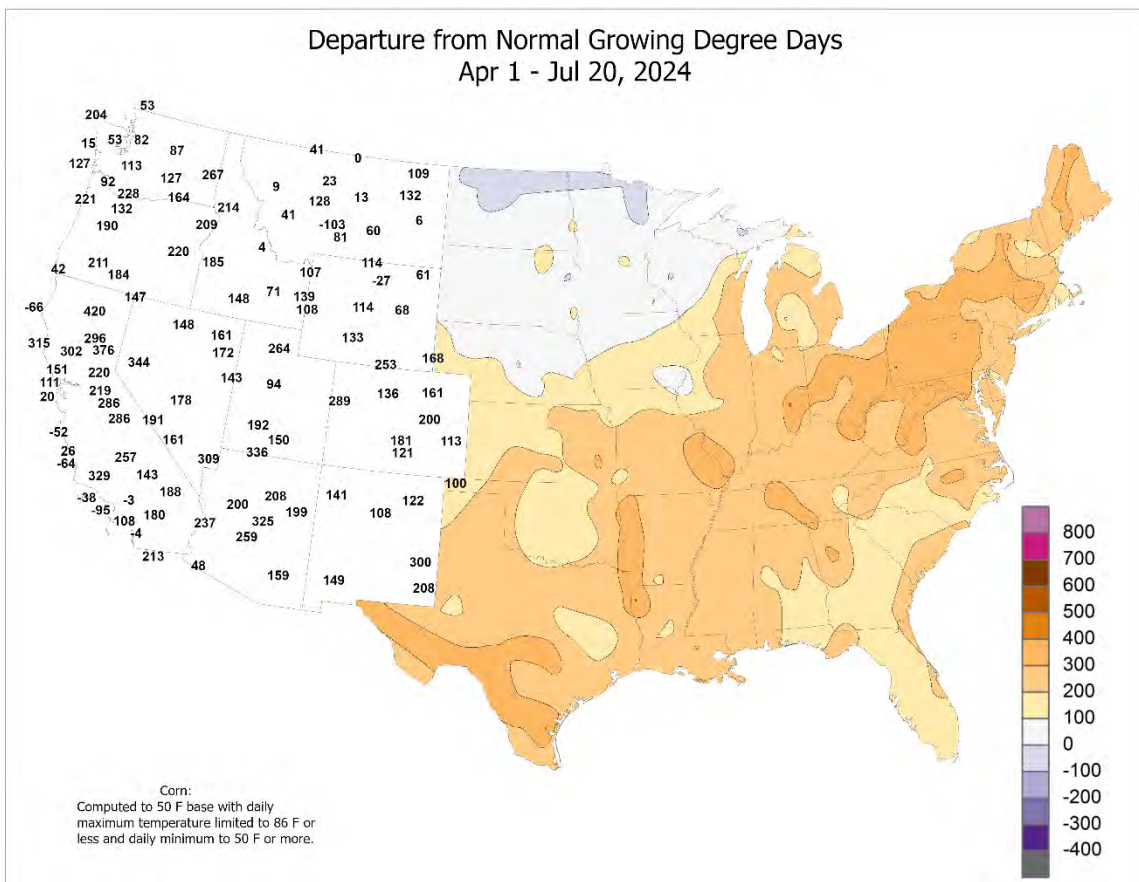
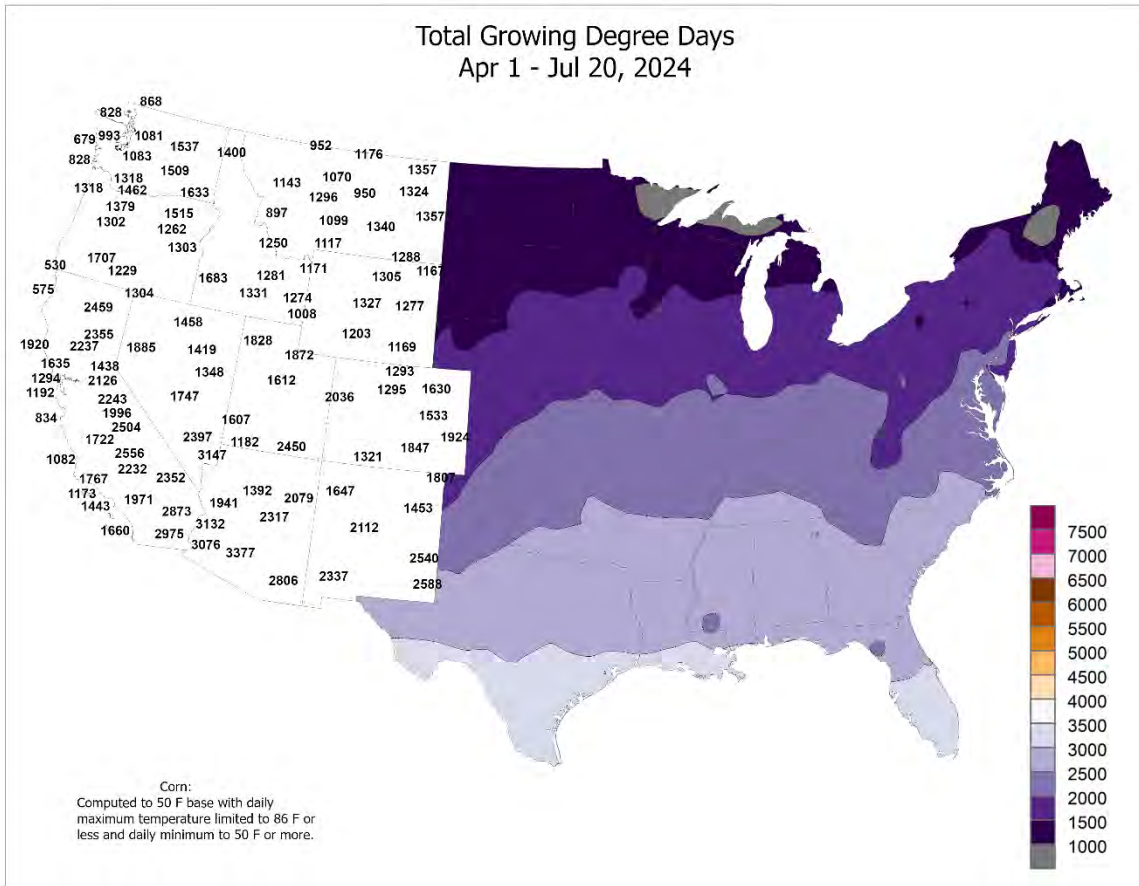
(locally 4 to 8 inches or more) resulted in the overtopping of the dam below the **Nashville City Reservoir**, leading to downstream evacuations in **Washington County**. A similar situation unfolded on July 17 in **northern Arkansas**, where totals exceeding 6 inches in **Marion County** and surrounding areas, extending into **southern Missouri**, led to extensive flash flooding in communities such as **Yellville, AR**, and **Branson, MO**. Daily-record totals topped the 2-inch mark during the week in many locations, including **Madison, WI** (3.30 inches on July 14); **Lafayette, LA** (2.13 inches on July 15); and **Springfield, IL** (2.85 inches on July 16). July 17 featured daily-record amounts in a multitude of towns and cities, such as **Bowling Green, KY** (2.87 inches); **Harrison, AR** (2.44 inches); **Tulsa, OK** (2.38 inches); and **Springfield, MO** (2.14 inches). Later, downpours shifted into the **Southeast**, where daily-record amounts climbed to 4.08 inches in **Elizabeth City, NC**, and 3.35 inches in **Meridian, MS**. Significant rain also developed across the **central and southern Rockies** and adjacent **High Plains**, with **Pueblo, CO**, measuring 1.40 inches, a record for the date, on July 20.

Chilly weather dominated **western and interior Alaska**, with near- or above-normal temperatures mostly limited to **eastern sections of the state**. In **Anchorage**, however, a cool, wet spell—with 3.22 inches of rain falling from July 13-18—was followed by a daily-record high of 77°F on July 20. Similarly, **King Salmon** warmed to 80°F on July 20, its first of at least 3 consecutive days with a reading at or above the 80-degree mark. Meanwhile, wet weather affected parts of **southeastern Alaska**, where **Juneau** received 1 to 2 inches of rain on July 10, 13, 14, 15, and 17. July 13-14 rainfall totaled 3.89 inches in **Yakutat** and 3.66 inches in **Sitka**. All three locations—**Juneau, Sitka**, and **Yakutat**—netted daily-record amounts (1.24, 1.31, and 2.15 inches, respectively) on July 14, with **Juneau** noting another record (1.22 inches) on July 15. Farther south, **Hawaii's** dry summer continued, with no measurable rain falling during the week in **Honolulu, Oahu**, and **Kahului, Maui**. Through July 20, month-to-date rainfall at the state's major airport observation sites ranged from 0.01 inch (3 percent of normal) in **Honolulu** and **Kahului** to 1.92 inches (34 percent) in **Hilo**, on the **Big Island**.









National Weather Data for Selected Cities

Weather Data for the Week Ending July 20, 2024

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	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP	
																		01 INCH OR MORE	.50 INCH OR MORE		
AK ANCHORAGE	62	50	77	49	56	-3	0.44	0.02	0.15	2.41	115	7.33	132	94	61	0	0	5	0		
AK BARROW	49	37	64	36	43	0	0.30	0.07	0.12	0.64	64	0.76	38	90	75	0	0	4	0		
AK FAIRBANKS	69	49	78	46	59	-4	0.12	-0.41	0.08	2.55	88	4.44	83	90	42	0	0	2	0		
AK JUNEAU	62	52	71	44	57	0	0.83	-0.37	0.35	7.20	101	32.78	116	99	80	0	0	6	0		
AK KODIAK	58	48	68	44	53	-3	0.41	-0.60	0.24	2.83	35	36.87	92	95	69	0	0	5	0		
AK NOME	52	43	56	41	48	-5	0.38	-0.15	0.14	2.05	88	8.14	122	95	75	0	0	4	0		
AL BIRMINGHAM	91	74	96	72	83	1	1.51	0.26	1.02	5.62	67	28.28	82	84	49	5	0	4	1		
AL HUNTSVILLE	90	73	99	71	82	1	0.93	-0.08	0.71	4.01	55	31.95	98	96	57	4	0	5	1		
AL MOBILE	91	74	94	73	83	1	3.36	1.60	2.67	9.13	79	37.74	98	94	60	5	0	6	1		
AL MONTGOMERY	93	73	100	71	83	0	0.62	-0.56	0.28	4.35	58	37.67	124	94	54	5	0	5	0		
AR FORT SMITH	93	73	100	66	83	0	0.63	-0.09	0.63	5.51	79	27.13	100	89	47	4	0	1	1		
AR LITTLE ROCK	91	74	96	68	83	1	0.56	-0.19	0.56	6.01	104	40.05	137	83	51	3	0	1	1		
AZ FLAGSTAFF	88	56	90	53	72	5	0.82	0.17	0.46	1.79	106	11.13	116	69	21	1	0	4	0		
AZ PHOENIX	111	90	113	84	100	4	0.31	0.08	0.31	0.37	70	4.13	118	42	17	7	0	1	0		
AZ PRESCOTT	94	65	99	62	80	3	0.94	0.49	0.51	1.55	111	6.24	107	67	20	7	0	4	1		
AZ TUCSON	104	77	107	74	91	2	0.82	0.25	0.55	1.93	127	7.11	168	62	22	7	0	4	1		
CA BAKERSFIELD	102	76	108	70	89	4	0.00	0.00	0.00	0.00	0	5.40	121	46	18	7	0	0	0		
CA EUREKA	62	52	64	48	57	-1	0.00	-0.04	0.00	1.22	146	29.86	122	97	76	0	0	0	0		
CA FRESNO	103	74	107	64	88	4	0.07	0.06	0.07	0.09	34	9.07	116	56	18	7	0	1	0		
CA LOS ANGELES	74	64	76	62	69	-1	0.00	-0.01	0.00	0.09	84	15.46	178	93	68	0	0	0	0		
CA REDDING	105	72	111	64	88	4	0.00	-0.01	0.00	0.33	42	21.12	99	49	11	7	0	0	0		
CA SACRAMENTO	96	61	106	56	78	2	0.00	0.00	0.00	0.00	0	11.97	98	75	24	5	0	0	0		
CA SAN DIEGO	76	68	77	67	72	1	0.00	-0.02	0.00	0.00	0	10.89	161	84	66	0	0	0	0		
CA SAN FRANCISCO	71	56	80	54	63	-1	0.00	0.00	0.00	0.00	0	14.31	112	90	57	0	0	0	0		
CA STOCKTON	97	64	105	55	80	2	0.00	0.00	0.00	0.00	0	10.65	119	73	22	7	0	0	0		
CO ALAMOSA	85	49	90	47	67	1	0.57	0.33	0.24	3.59	341	6.31	188	87	25	1	0	4	0		
CO CO SPRINGS	88	59	98	54	74	1	2.01	1.28	1.11	3.93	95	10.27	114	76	25	2	0	6	1		
CO DENVER INTL	93	60	101	55	76	1	1.35	0.83	0.67	2.89	89	10.99	125	76	21	5	0	4	2		
CO GRAND JUNCTION	99	73	103	71	86	6	0.70	0.57	0.35	3.05	405	5.66	125	38	12	7	0	3	0		
CO PUEBLO	95	60	106	57	78	0	2.31	1.87	0.91	5.31	222	10.85	155	75	21	6	0	5	2		
CT BRIDGEPORT	87	71	92	66	79	3	0.75	0.00	0.75	5.61	97	29.59	123	90	51	1	0	1	1		
CT HARTFORD	92	68	96	61	80	5	1.31	0.37	0.59	5.46	79	30.42	122	87	43	4	0	3	2		
DC WASHINGTON	96	77	104	73	87	5	0.11	-0.90	0.07	2.15	30	23.26	99	79	36	4	0	3	0		
DE WILMINGTON	91	71	97	65	81	3	1.13	0.10	0.73	8.71	116	30.54	122	94	49	4	0	2	1		
FL DAYTONA BEACH	92	74	94	72	83	1	1.85	0.55	0.57	10.19	93	22.02	86	100	60	7	0	6	2		
FL JACKSONVILLE	94	75	97	73	85	2	3.37	1.87	1.35	10.95	91	27.30	97	95	53	7	0	6	2		
FL KEY WEST	92	83	93	81	88	2	0.11	-0.69	0.11	10.54	162	24.74	148	82	64	7	0	1	0		
FL MIAMI	92	82	93	78	87	3	0.69	-0.81	0.63	20.20	131	34.61	109	83	59	6	0	3	1		
FL ORLANDO	95	76	97	74	86	3	1.21	-0.43	0.87	9.36	73	17.54	65	97	47	7	0	3	1		
FL PENSACOLA	88	75	90	73	82	-2	2.06	0.24	1.26	10.82	87	35.31	95	92	58	3	0	4	1		
FL TALLAHASSEE	93	75	99	74	84	1	2.06	0.51	1.85	12.39	100	42.90	128	91	54	7	0	4	1		
FL TAMPA	92	77	93	76	85	1	0.92	-0.75	0.46	6.71	54	17.95	70	93	58	7	0	6	0		
FL WEST PALM BEACH	92	81	95	78	86	3	0.54	-0.59	0.52	7.77	64	28.18	93	88	61	7	0	2	1		
GA ATHENS	95	72	101	70	83	2	1.72	0.85	1.20	4.73	61	33.52	121	93	44	5	0	5	1		
GA ATLANTA	91	74	97	70	83	1	2.89	1.82	1.82	10.29	131	36.20	124	88	50	5	0	5	2		
GA AUGUSTA	94	72	98	71	83	0	0.60	-0.41	0.19	9.19	120	24.07	95	97	49	6	0	5	0		
GA COLUMBUS	93	75	99	74	84	1	2.08	1.11	0.95	5.67	82	35.09	140	91	50	5	0	6	1		
GA MACON	94	71	99	70	82	0	1.83	0.76	0.84	4.85	62	29.25	108	99	52	5	0	6	1		
GA SAVANNAH	94	75	98	73	85	1	2.43	1.16	1.18	9.54	92	28.77	106	92	51	7	0	5	2		
HI HILO	85	72	85	68	78	2	0.77	-1.31	0.33	4.28	33	51.07	84	93	60	0	0	5	0		
HI HONOLULU	87	75	88	74	81	0	0.00	-0.11	0.00	0.97	118	10.21	118	73	46	0	0	0	0		
HI KAHULUI	85	71	90	67	78	-2	0.20	0.06	0.20	1.19	240	9.06	93	85	52	1	0	1	0		
HI LIHUE	85	75	85	74	80	0	0.41	0.03	0.26	1.57	54	23.80	123	82	59	0	0	4	0		
IA BURLINGTON	82	63	91	55	72	-3	0.34	-0.57	0.34	7.43	97	24.67	111	98	60	1	0	1	0		
IA CEDAR RAPIDS	82	62	91	54	72	-1	1.67	0.69	1.57	6.97	81	16.49	80	98	59	2	0	2	1		
IA DES MOINES	83	67	95	59	75	-1	0.30	-0.52	0.22	9.03	116	24.20	111	86	51	2	0	2	0		
IA DUBUQUE	81	61	87	54	71	-1	0.56	-0.57	0.56	5.54	66	18.17	82	95	58	0	0	1	1		
IA SIOUX CITY	83	62	92	52	73	-2	0.40	-0.32	0.40	5.56	84	19.83	117	95	54	2	0	1	0		
IA WATERLOO	82	62	91	54	72	-3	1.24	0.31	0.83	7.36	85	24.61	114	92	55	2	0	3	0		
ID BOISE	101	71	103	67	86	8	0.39	0.35	0.38	0.83	92	10.41	141	38	13	7	0	2	0		
ID LEWISTON	101	69	105	62	85	9	0.00	-0.09	0.00	0.79	49	6.34	77	40	11	7	0	0	0		
ID POCATELLO	96	57	99	51	76	5	0.06	-0.06	0.05	0.80	62	10.13	141	76	17	7	0	2	0		
IL CHICAGO/O_HARE	83	65	90	60	74	-2	1.54	0.72	1.10	8.22	128	22.16	104	88	49	1	0	2	1		
IL MOLINE	84	62	92	54	73	-3	1.35	0.39	1.04	5.92	74	20.02	88	95	53	2	0	2	1		
IL PEORIA	84	64	93	57	74	-3	0.01	0.51	0.01	5.13	84	20.97	97	94	46	2	0	0	0		
IL ROCKFORD	82	62	89	56	72	-2	2.51	1.69	1.37	10.78	140	26.02	122	94	55	0	0	2	2		
IL SPRINGFIELD	83	64	93	54	74	-3	0.49	-0.40	0.28	3.58	49	14.57	66	98	55	2	0	3	0		
IN EVANSVILLE	87	68	93	60	77	-1	0.51	-0.48	0.44	3.98	53	26.74	92	89	53	2	0	2	0		
IN FORT WAYNE	82	62	88	55	72	-2	0.46	-0.45	0.33	5.06	70	25.00	108	92	57	0	0	4	0		
IN INDIANAPOLIS	85	65	92	59	75	-1	0.75	-0.28	0.38	5.23	65	25.83	97	89	51	1	0	3	0		
IN SOUTH BEND	81	61	87	52	71	-2	0.81	-0.02	0.43	7.56	118	24.61	114	93	56	0	0	3	0		
KS CONCORDIA	92	66	107	58	79	0	0.22	-0.75	0.20	7.81	119	19.13	115	89	38	3	0	2	0		
KS DODGE CITY	92	67	102	65	80	-1	1.03	0.35	0.83	13.24	250	16.58	129	83	39	3	0	3	1		
KS GOODLAND	92	62	102	57	77	1	1.34	0.65	0.59	6.20	127	11.03	99	90	32	4	0	3	1		
KS TOPEKA	89	69	102	60	79	-1	1.75	0.82	1.41	8.84	116	15.11	71	87	46	3	0	2	1		

Based on 1991-2020 normals

*** Not Available

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Weather Data for the Week Ending July 20, 2024

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	TEMP. °F		PRECIP
																		01 INCH OR MORE	.50 INCH OR MORE	
KY WICHITA	94	71	105	62	82	0	0.16	-0.70	0.11	6.74	89	16.25	80	86	37	4	0	3	0	
KY LEXINGTON	91	68	98	62	80	3	0.57	-0.61	0.38	4.28	52	25.46	85	86	43	3	0	2	0	
KY LOUISVILLE	89	71	95	63	80	0	0.61	-0.28	0.34	5.67	82	25.15	88	79	45	3	0	2	0	
LA PADUCAH	88	69	93	60	78	-2	0.00	-0.99	0.00	5.18	70	29.36	97	92	56	2	0	0	0	
LA BATON ROUGE	93	76	97	73	84	1	1.65	0.54	0.65	8.84	89	39.48	110	92	56	6	0	4	1	
LA LAKE CHARLES	91	76	93	73	84	0	1.45	0.20	0.91	12.65	123	41.64	126	94	58	6	0	3	1	
LA NEW ORLEANS	91	76	95	74	84	0	2.94	1.41	1.50	9.19	75	40.21	109	97	63	5	0	4	3	
LA SHREVEPORT	94	76	97	72	85	1	***	***	***	***	***	***	***	87	46	6	0	***	***	
MA BOSTON	89	70	95	65	79	5	0.70	-0.05	0.45	5.33	89	28.02	118	89	43	3	0	4	0	
MA WORCESTER	85	67	90	62	76	5	0.66	-0.26	0.23	4.42	65	34.43	135	91	46	1	0	4	0	
MD BALTIMORE	96	73	104	69	85	6	0.30	-0.75	0.16	2.90	42	21.40	88	93	37	4	0	3	0	
ME CARIBOU	84	62	87	56	73	6	0.76	-0.18	0.37	7.57	112	19.34	90	92	50	0	0	3	0	
ME PORTLAND	88	63	92	56	75	5	0.13	-0.63	0.12	3.46	54	26.09	101	96	47	2	0	2	0	
MI ALPENA	82	59	91	50	70	2	0.96	0.21	0.39	7.47	154	20.48	130	95	46	1	0	4	0	
MI GRAND RAPIDS	81	60	85	53	71	-2	2.35	1.44	1.98	8.53	132	21.85	101	96	52	0	0	3	1	
MI LANSING	81	60	86	53	71	-1	0.49	-0.15	0.35	7.53	133	19.60	105	92	52	0	0	3	0	
MI MUSKEGON	79	61	82	50	70	-2	0.41	-0.21	0.33	5.85	122	17.34	93	92	53	0	0	3	0	
MI TRAVERSE CITY	83	62	91	51	73	2	0.08	-0.56	0.06	4.18	97	13.72	96	88	40	2	0	2	0	
MN DULUTH	80	56	87	48	68	1	0.22	-0.64	0.17	8.35	117	17.54	106	88	43	0	0	2	0	
MN INT_L FALLS	77	52	83	44	65	-1	1.95	1.07	1.16	8.35	126	16.39	118	95	50	0	0	4	2	
MN MINNEAPOLIS	82	65	90	60	74	-1	0.35	-0.52	0.24	8.67	119	20.74	118	80	45	1	0	2	0	
MN ROCHESTER	80	60	86	53	70	-1	0.25	-0.68	0.20	11.07	137	21.63	108	95	57	0	0	2	0	
MN ST. CLOUD	83	59	90	53	71	1	0.10	-0.70	0.10	8.28	135	21.03	136	92	46	1	0	1	0	
MO COLUMBIA	84	67	92	60	76	-3	0.50	-0.44	0.50	11.70	165	28.27	117	93	55	2	0	1	1	
MO KANSAS CITY	84	67	94	60	76	-3	0.67	-0.37	0.54	10.65	126	25.60	112	89	58	2	0	3	1	
MO SAINT LOUIS	88	70	98	64	79	-1	0.13	-0.72	0.13	3.96	56	22.87	91	80	47	2	0	1	0	
MO SPRINGFIELD	86	68	93	60	77	-3	1.66	0.81	1.22	7.62	109	26.15	101	92	54	2	0	2	1	
MS JACKSON	94	75	98	73	85	2	0.54	-0.61	0.34	4.72	61	44.06	128	92	49	6	0	3	0	
MS MERIDIAN	94	74	97	73	84	1	0.47	-0.02	0.47	2.87	39	32.06	94	96	50	2	0	1	0	
MS TUPELO	92	73	97	71	82	0	0.81	-0.15	0.43	4.55	56	33.08	96	92	54	4	0	4	0	
MT BILLINGS	94	64	99	62	79	5	1.30	1.03	1.28	4.26	138	10.34	112	63	19	7	0	2	1	
MT BUTTE	89	49	90	42	69	5	0.02	-0.24	0.02	2.09	64	5.76	72	64	20	3	0	1	0	
MT CUT BANK	92	54	94	50	73	7	0.10	-0.16	0.10	1.90	52	4.46	63	84	18	6	0	1	0	
MT GLASGOW	94	64	100	59	79	6	0.13	-0.32	0.11	1.83	43	7.00	80	70	22	6	0	2	0	
MT GREAT FALLS	92	55	95	52	74	5	0.00	-0.26	0.00	4.08	113	11.03	114	77	20	7	0	0	0	
MT HAVRE	93	60	96	55	76	6	0.18	-0.17	0.18	3.83	105	10.74	137	83	27	6	0	1	0	
MT MISSOULA	97	56	101	51	76	7	0.00	-0.17	0.00	2.09	76	8.37	96	58	18	7	0	0	0	
NC ASHEVILLE	86	67	91	65	77	1	2.11	1.09	0.87	5.43	69	28.45	103	95	55	1	0	5	2	
NC CHARLOTTE	93	74	98	72	83	3	2.76	1.92	1.71	5.13	81	26.95	111	88	47	5	0	6	2	
NC GREENSBORO	91	72	99	68	82	2	2.74	1.78	1.12	5.16	77	28.23	117	93	47	5	0	3	3	
NC HATTERAS	86	77	88	74	82	0	0.80	-0.47	0.38	6.48	84	23.56	79	100	81	0	0	3	0	
NC RALEIGH	95	75	101	73	85	5	1.06	-0.11	0.51	4.89	70	20.71	85	89	51	6	0	3	1	
NC WILMINGTON	92	77	97	73	84	3	1.39	-0.18	0.63	7.80	77	22.61	78	91	56	5	0	4	1	
ND BISMARCK	86	60	90	53	73	1	0.04	-0.65	0.04	3.50	64	10.56	94	93	39	1	0	1	0	
ND DICKINSON	87	56	94	51	71	1	0.06	-0.51	0.06	4.14	85	9.09	91	97	35	2	0	1	0	
ND FARGO	83	60	89	53	72	1	0.16	-0.52	0.16	5.13	79	13.93	101	90	45	0	0	1	0	
ND GRAND FORKS	83	58	89	51	70	1	1.59	0.80	1.22	5.46	87	11.46	93	86	46	0	0	3	1	
ND JAMESTOWN	83	60	88	53	71	1	0.81	-0.05	0.36	5.74	97	11.29	95	94	44	0	0	3	0	
NE GRAND ISLAND	86	63	96	57	74	-3	0.61	-0.21	0.54	5.82	92	20.30	124	97	52	2	0	3	1	
NE LINCOLN	87	66	98	58	76	-2	0.55	-0.17	0.35	8.28	123	17.50	105	90	52	2	0	2	0	
NE NORFOLK	85	65	94	58	75	0	0.54	-0.09	0.42	5.79	90	19.58	122	94	48	2	0	2	0	
NE NORTH PLATTE	89	62	94	58	75	-1	0.69	-0.06	0.33	6.95	126	16.70	127	90	42	3	0	3	0	
NE OMAHA	85	66	97	57	76	-3	0.67	-0.11	0.55	5.26	77	21.27	117	96	50	2	0	2	1	
NE SCOTTSBLUFF	93	62	100	56	78	2	1.31	0.93	0.72	4.46	121	10.35	100	89	29	6	0	3	1	
NE VALENTINE	90	61	99	55	76	-1	0.23	-0.39	0.21	6.22	105	14.20	102	90	35	4	0	2	0	
NH CONCORD	89	62	94	54	76	4	0.19	-0.63	0.19	3.63	60	22.99	105	99	40	4	0	1	0	
NJ ATLANTIC_CITY	91	70	96	64	80	3	1.10	0.04	0.71	6.02	94	27.96	114	93	48	4	0	3	1	
NJ NEWARK	92	73	99	67	82	4	0.64	-0.44	0.51	6.32	87	25.89	100	81	41	4	0	3	1	
NM ALBUQUERQUE	96	68	99	65	82	3	0.83	0.43	0.44	5.22	338	6.62	176	59	18	7	0	2	0	
NV ELY	89	54	92	50	72	2	0.67	0.51	0.24	1.76	189	6.59	116	73	18	2	0	4	0	
NV LAS VEGAS	109	89	113	82	99	5	0.04	-0.06	0.02	0.13	47	2.20	93	32	12	7	0	2	0	
NV RENO	96	66	102	60	81	3	0.56	0.52	0.56	0.60	116	5.55	119	49	14	6	0	1	1	
NY WINNEMUCCA	98	60	105	52	79	4	0.44	0.41	0.44	4.11	682	10.92	221	48	13	7	0	1	0	
NY ALBANY	88	65	94	59	77	3	0.76	-0.29	0.73	5.16	74	23.34	108	87	42	3	0	3	1	
NY BINGHAMTON	83	61	88	54	72	3	0.25	-0.56	0.14	3.78	53	22.62	99	94	49	0	0	3	1	
NY BUFFALO	81	62	88	56	71	-1	1.70	0.96	1.34	6.59	122	19.71	94	87	49	0	0	4	1	
NY ROCHESTER	83	62	90	56	72	0	0.27	-0.54	0.19	4.36	77	17.52	93	91	49	1	0	3	0	
NY SYRACUSE	87	65	94	59	76	4	0.82	-0.07	0.62	4.73	77	20.75	98	87	45	3	0	2	1	
OH AKRON-CANTON	85	64	89	53	74	0	0.20	-0.74	0.13	4.26	59	20.15	84	87	45	0	0	2	0	
OH CINCINNATI	87	67	92	62	77	1	0.89	0.06	0.84	4.16	57	24.26	89	87	45	3	0	2	1	
OH CLEVELAND	83	65	89	54	74	-1	0.31	-0.52	0.21	3.74	60	16.71	74	83	44	0	0	2	0	
OH COLUMBUS	88	66	94	57	77	1	0.43	-0.64	0.19	5.07	68	23.83	97	86	45	3	0	3	0	
OH DAYTON	85	64	90	55	75	-2	0.86	-0.03	0.34	4.98	73	23.09	93	91	54	1	0	3	0	
OH MANSFIELD	84	62	89	51	73	0	0.34	-0.50	0.27	2.56	35	19.34	77	88	46	0	0	2	0	
OH TOLEDO	83	63	88	54	73	-3	0.03	-0.70	0.03	7.06	127	25.39	125	96	52	0	0	1	0	

Based on 1991-2020 normals

*** Not Available

Weather Data for the Week Ending July 20, 2024

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	84	61	89	51	72	1	0.52	-0.50	0.52	4.19	62	23.82	103	93	48	0	0	1	1
OKLAHOMA CITY	92	71	101	64	82	0	1.44	0.63	0.94	6.09	88	17.99	85	85	42	3	0	3	1
TULSA	92	72	101	62	82	-2	3.29	2.44	2.36	8.96	123	31.97	134	89	46	3	0	2	2
OR	71	56	82	52	63	2	0.00	-0.16	0.00	2.67	92	41.29	108	83	64	0	0	0	0
BURNS	96	54	101	45	75	5	0.86	0.81	0.44	4.22	453	10.66	166	55	12	7	0	2	0
EUGENE	92	56	98	54	74	6	0.28	0.21	0.28	1.46	98	19.42	85	87	24	5	0	1	0
MEDFORD	99	64	102	56	82	6	0.01	-0.04	0.01	0.75	88	11.51	112	57	16	7	0	0	0
PENDLETON	100	64	104	61	82	8	0.00	-0.05	0.00	1.46	117	9.56	119	45	12	7	0	0	0
PORTLAND	91	63	97	59	77	6	0.00	-0.09	0.00	1.80	89	22.19	109	75	27	5	0	0	0
SALEM	93	60	100	56	77	7	0.00	-0.04	0.00	2.04	140	25.57	116	77	23	6	0	0	0
PA	88	67	96	59	77	1	0.21	-1.02	0.21	4.64	59	26.70	107	90	48	3	0	1	0
ERIE	81	64	88	56	73	0	1.20	0.45	0.72	7.60	130	20.68	94	87	54	0	0	3	1
MIDDLETOWN	93	71	100	64	82	5	0.19	-0.94	0.15	5.64	81	26.10	109	82	38	4	0	2	0
PHILADELPHIA	92	74	98	69	83	4	2.23	1.19	1.48	6.94	103	27.22	115	87	43	4	0	3	2
PITTSBURGH	88	66	93	57	77	4	1.20	0.20	0.73	4.78	69	27.25	119	84	39	3	0	2	1
WILKES-BARRE	88	64	95	56	76	2	0.72	-0.07	0.43	4.01	66	22.11	110	91	43	4	0	3	0
WILLIAMSPORT	90	65	98	58	77	3	1.04	-0.03	0.60	4.23	63	27.13	119	95	43	3	0	2	1
RI	87	68	91	65	78	3	0.79	0.15	0.79	6.61	117	38.16	148	98	50	2	0	1	1
SC	95	76	99	74	85	3	2.62	1.13	2.26	10.97	105	29.64	110	91	53	7	0	4	1
COLUMBIA	96	74	101	72	85	3	1.89	0.66	0.87	5.50	66	25.63	101	96	46	7	0	5	1
FLORENCE	97	74	102	72	85	3	2.63	1.26	1.10	4.68	56	21.61	88	97	47	7	0	5	3
GREENVILLE	94	72	100	71	83	3	2.15	1.03	1.64	4.78	69	31.73	115	90	44	5	0	5	1
SD	84	60	90	54	73	0	0.19	-0.52	0.17	4.79	80	11.03	83	89	46	1	0	2	0
HURON	83	61	90	56	72	-2	0.35	-0.26	0.18	4.91	86	13.64	98	94	51	1	0	4	0
RAPID CITY	93	61	99	58	77	4	0.23	-0.28	0.22	2.45	56	10.35	89	85	27	7	0	2	0
SIoux FALLS	83	60	92	52	71	-3	0.24	-0.47	0.20	13.06	207	25.05	154	96	52	1	0	2	0
TN	90	66	96	63	78	2	0.76	-0.41	0.42	3.76	53	22.02	83	97	49	5	0	3	0
CHATTANOOGA	94	74	100	73	84	3	2.75	1.55	1.71	4.14	54	27.39	85	87	45	5	0	5	2
KNOXVILLE	92	71	98	66	81	3	0.42	-0.82	0.19	4.43	57	30.03	96	91	46	4	0	4	0
MEMPHIS	91	74	96	72	83	0	1.88	0.78	1.45	5.10	72	28.93	88	85	50	3	0	2	1
NASHVILLE	93	72	100	65	83	2	0.56	-0.37	0.48	2.41	33	27.47	91	82	40	5	0	2	0
TX	99	74	103	67	87	2	0.06	-0.39	0.06	2.08	43	13.42	95	76	28	7	0	1	0
AMARILLO	97	68	106	66	83	3	1.11	0.45	0.59	5.28	113	11.01	100	78	27	7	0	5	1
AUSTIN	98	76	101	73	87	1	0.63	0.24	0.63	2.79	55	18.81	94	87	34	7	0	1	1
BEAUMONT	92	75	94	73	84	0	1.40	-0.19	0.62	8.52	75	47.22	147	97	58	6	0	5	1
BROWNSVILLE	96	79	98	77	87	1	0.00	-0.39	0.00	6.33	147	11.67	100	94	56	7	0	0	0
CORPUS CHRISTI	96	77	100	75	87	2	0.54	0.02	0.52	7.18	130	13.86	86	92	50	7	0	2	1
DEL RIO	101	80	104	77	90	3	0.00	-0.33	0.00	1.67	55	2.97	29	72	29	7	0	0	0
EL PASO	100	76	103	73	88	3	0.20	-0.16	0.20	3.11	184	3.89	116	55	18	7	0	1	0
FORT WORTH	95	76	101	72	86	0	0.15	-0.28	0.14	4.10	77	27.27	124	82	40	6	0	2	0
GALVESTON	90	80	92	74	85	0	3.27	2.50	2.40	6.58	99	22.63	106	91	69	6	0	2	2
HOUSTON	93	76	96	74	85	-1	0.31	-0.46	0.29	7.86	90	35.14	125	93	52	6	0	2	0
LUBBOCK	96	72	100	67	84	2	0.02	-0.43	0.02	5.62	139	14.03	133	70	28	7	0	1	0
MIDLAND	96	75	99	71	85	1	0.12	-0.19	0.12	1.06	40	3.67	53	66	26	6	0	1	0
SAN ANGELO	100	73	104	68	86	1	0.66	0.45	0.51	2.25	73	7.94	70	81	26	7	0	2	1
SAN ANTONIO	95	76	99	74	85	1	0.87	0.38	0.66	5.03	97	15.95	88	92	43	6	0	2	1
VICTORIA	94	76	97	74	85	0	0.09	-0.65	0.06	4.68	70	21.02	92	97	55	7	0	2	0
WACO	96	74	99	67	85	-1	0.85	0.47	0.46	5.59	121	32.78	155	90	37	7	0	2	0
WICHITA FALLS	96	73	100	68	85	0	0.02	-0.44	0.02	5.53	117	23.67	150	76	37	7	0	1	0
UT	99	75	102	73	87	5	0.00	-0.12	0.00	1.07	86	10.30	105	41	14	7	0	0	0
VA	92	69	99	66	80	4	1.12	0.13	0.53	2.13	33	18.72	77	93	45	4	0	3	1
NORFOLK	92	76	98	74	84	3	1.66	0.24	1.22	7.76	97	29.91	118	88	55	4	0	3	1
RICHMOND	91	74	97	70	83	3	1.38	0.41	0.60	6.92	93	29.84	121	90	54	4	0	3	1
ROANOKE	94	72	103	68	83	5	1.14	0.13	0.42	5.24	70	19.81	79	82	41	4	0	3	0
WASH/DULLES	93	72	101	67	82	5	0.85	-0.13	0.83	3.13	44	19.83	81	88	43	4	0	2	1
VT	85	65	91	59	75	2	0.98	0.09	0.61	8.19	117	20.72	103	91	46	1	0	3	1
WA	86	54	91	52	70	6	0.00	-0.10	0.00	0.98	53	23.75	89	92	38	2	0	0	0
QUILLAYUTE	70	53	81	49	62	2	0.01	-0.30	0.01	2.30	52	50.66	93	96	66	0	0	1	0
SEATTLE-TACOMA	84	59	88	56	71	4	0.00	-0.11	0.00	1.50	80	17.00	81	82	34	0	0	0	0
SPOKANE	96	69	100	65	83	11	0.00	-0.08	0.00	1.19	80	7.68	80	44	14	7	0	0	0
WI	99	59	101	55	79	6	0.01	-0.03	0.01	0.06	8	3.38	73	64	14	7	0	1	0
Eau Claire	81	59	87	53	70	-2	0.52	-0.25	0.44	9.09	126	19.40	106	95	51	0	0	3	0
GREEN BAY	83	62	89	54	72	1	0.01	-0.82	0.01	7.13	109	17.54	100	90	46	0	0	1	0
LA CROSSE	82	63	86	57	73	-2	0.97	0.02	0.96	5.89	74	18.72	91	90	44	0	0	2	1
MADISON	82	61	88	54	71	-1	1.09	0.09	0.71	11.55	139	25.46	118	91	49	0	0	2	1
MILWAUKEE	81	65	89	59	73	-1	0.76	0.03	0.52	6.63	100	24.54	124	82	54	0	0	2	1
WV	85	63	92	59	74	2	0.54	-0.65	0.34	3.71	49	20.80	79	90	47	3	0	4	0
CHARLESTON	92	66	99	61	79	3	0.83	-0.48	0.56	5.27	64	26.33	95	93	40	3	0	3	1
ELKINS	88	62	96	59	75	3	0.85	-0.58	0.78	3.54	42	23.48	82	98	45	3	0	2	1
WY	92	69	99	64	81	4	0.24	-0.96	0.14	3.07	41	24.18	91	86	38	4	0	3	0
CASPER	92	55	98	50	74	2	0.63	0.34	0.37	4.72	222	9.90	129	75	17	6	0	4	0
CHEYENNE	86	58	96	52	72	1	0.44	-0.06	0.28	2.98	85	6.47	67	78	23	1	0	4	0
LANDER	89	58	94	54	73	1	0.36	0.22	0.21	1.19	82	7.72	88	64	19	3	0	3	0
SHERIDAN	94	58	99	55	76	5	0.03	-0.22	0.02	2.51	92	8.26	86	77	20	6	0	2	0

Based on 1991-2020 normals

*** Not Available

National Agricultural Summary

July 15 – 21, 2024

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Large areas of the South, as well as parts of the Midwest, Northeast, and central and southern Plains, recorded at least twice the normal amount of weekly precipitation. Parts of the Great Basin, as well as some locations in the Rockies and Southwest, also recorded at least twice the normal rainfall, while the remainder of the West remained mostly dry. A few locations in Arkansas, Illinois, and Missouri recorded 4 inches or more of rain

during the week. Meanwhile, most of the eastern and western one-third of the U.S. was hotter than normal. Some locations in Idaho and Washington recorded weekly temperatures at least 10°F above normal. In contrast, most of the Midwest and Mississippi Valley, as well as large parts of the Great Plains, were cooler than normal. Portions of Illinois, Iowa, Missouri, and South Dakota recorded temperatures 4°F or more below normal.

Corn: By July 21, sixty-one percent of the nation's corn acreage had reached the silking stage, 1 percentage point behind last year but 5 points ahead of the 5-year average. Corn silking progress advanced by 10 percentage points or more during the week in 14 of the 18 estimating states. On July 21, seventeen percent of the corn acreage was at or beyond the dough stage, 4 percentage points ahead of last year and 6 points ahead of average. On July 21, sixty-seven percent of the nation's corn acreage was rated in good to excellent condition, 1 percentage point below the previous week but 10 points above the previous year. In Iowa, the largest corn-producing state, 75 percent of the crop was rated in good to excellent condition.

Soybeans: By July 21, sixty-five percent of the nation's soybean acreage had reached the blooming stage, 1 percentage point behind last year but 5 points ahead of the 5-year average. During the week, soybean blooming progress advanced by 10 percentage points or more in 14 of the 18 estimating states. Nationally, 29 percent of the soybean acreage had begun setting pods, 2 percentage points behind last year but 5 points ahead of average. On July 21, sixty-eight percent of the nation's soybean acreage was rated in good to excellent condition, equal to the previous week but 14 percentage points above the previous year.

Winter Wheat: Seventy-six percent of the 2024 winter wheat acreage had been harvested by July 21, eleven percentage points ahead of last year and 4 points ahead of the 5-year average. During the week, winter wheat harvest progress advanced by 16 percentage points or more in Michigan, Nebraska, and South Dakota.

Cotton: Eighty-one percent of the nation's cotton acreage had reached the squaring stage by July 21, seven percentage points ahead of last year and 5 points ahead of the 5-year average. Cotton squaring progress advanced by 25 percentage points during the week in Texas. By July 21, forty-two percent of the nation's cotton acreage had begun setting bolls, 8 percentage points ahead of both last year and the average. On July 21, fifty-three percent of the 2024 cotton acreage was rated in good to excellent condition, 8 percentage points above the previous week and 7 points above the previous year.

Sorghum: By July 21, thirty-four percent of the nation's sorghum acreage had reached the headed stage, equal to last year but 1 percentage point ahead of the 5-year average. Nineteen percent of the sorghum acreage was at or beyond the coloring stage by July 21, one percentage point behind last year but 1 point ahead of average. Sixty percent of the nation's sorghum acreage was rated in good to

excellent condition on July 21, three percentage points above the previous week but equal to the previous year.

Rice: By July 21, fifty-eight percent of the nation's rice acreage had reached the headed stage, 14 percentage points ahead of the previous year and 22 points ahead of the 5-year average. Rice headed progress advanced by 19 percentage points during the week in Arkansas. On July 21, eighty-three percent of the nation's rice acreage was rated in good to excellent condition, 3 percentage points above the previous week and 7 points above the previous year.

Small Grains: Ninety-five percent of the nation's oat acreage had headed by July 21, equal to both last year and the 5-year average. Oats headed progress advanced by 11 percentage points during the week in North Dakota. Twenty-two percent of the nation's oat acreage had been harvested by July 21, four percentage points ahead of last year and 3 points ahead of average. During the week, oat harvest advanced 18 percentage points or more in Iowa, Nebraska, and Ohio. On July 21, sixty-six percent of the nation's oat acreage was rated in good to excellent condition, equal to the previous week but 21 percentage points above the previous year.

Eighty-four percent of the nation's barley acreage had reached the headed stage by July 21, three percentage points behind last year and 5 points behind the 5-year average. Barley headed progress advanced by 10 percentage points or more during the week in Idaho and Minnesota. On July 21, seventy-four percent of the nation's barley acreage was rated in good to excellent condition, equal to the previous week but 22 percentage points above the same time last year.

By July 21, eighty-nine percent of the nation's spring wheat crop had reached the headed stage, 3 percentage points behind the previous year and 1 point behind the 5-year average. Spring wheat headed progress advanced by 10 percentage points during the week in Idaho, Montana, and North Dakota. On July 21, seventy-seven percent of the nation's spring wheat was rated in good to excellent condition, equal to the previous week but 28 percentage points above the previous year.

Other Crops: By July 21, eighty percent of the nation's peanut crop had reached the pegging stage, 3 percentage points ahead of the previous year and 2 points ahead of the 5-year average. In Georgia, 89 percent of the peanut crop had reached the pegging stage, 5 percentage points ahead of the previous year but equal to the average. On July 21, sixty-three percent of the nation's peanut acreage was rated in good to excellent condition, 3 percentage points above the previous week but 9 points below the same time last year.

Crop Progress and Condition

Week Ending July 21, 2024

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

Corn Percent Silking				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
CO	23	14	29	31
IL	83	62	80	70
IN	57	42	66	55
IA	70	44	68	61
KS	64	59	76	62
KY	69	65	77	71
MI	24	31	48	32
MN	64	16	38	54
MO	87	76	87	76
NE	70	49	76	61
NC	88	85	91	89
ND	38	4	10	27
OH	24	34	60	36
PA	9	23	34	27
SD	55	5	23	38
TN	89	81	87	86
TX	83	78	84	84
WI	20	17	40	29
18 Sts	62	41	61	56
These 18 States planted 92% of last year's corn acreage.				

Corn Percent Dough				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
CO	0	0	1	3
IL	15	8	18	11
IN	9	3	13	7
IA	16	6	18	9
KS	21	16	30	19
KY	22	9	18	18
MI	1	0	2	2
MN	14	0	3	6
MO	34	32	51	24
NE	7	8	19	7
NC	43	43	58	50
ND	1	0	0	0
OH	0	1	13	2
PA	0	0	1	1
SD	5	0	2	3
TN	47	30	48	42
TX	66	62	66	64
WI	0	0	4	1
18 Sts	13	8	17	11
These 18 States planted 92% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	3	11	26	56	4
IL	2	6	17	59	16
IN	3	5	23	55	14
IA	1	4	20	57	18
KS	5	10	28	44	13
KY	2	9	25	56	8
MI	1	2	29	48	20
MN	3	9	30	45	13
MO	4	4	14	57	21
NE	3	6	16	49	26
NC	31	35	19	14	1
ND	1	4	25	65	5
OH	1	5	29	55	10
PA	5	7	14	64	10
SD	2	4	25	53	16
TN	11	11	27	38	13
TX	4	16	30	36	14
WI	2	8	29	44	17
18 Sts	3	7	23	51	16
Prev Wk	3	6	23	52	16
Prev Yr	4	9	30	46	11

Soybeans Percent Blooming				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
AR	92	90	94	84
IL	72	66	81	56
IN	54	51	67	52
IA	77	50	69	69
KS	55	39	51	48
KY	48	41	57	47
LA	95	90	92	94
MI	45	46	62	51
MN	75	46	60	70
MS	92	89	93	86
MO	65	47	57	45
NE	71	72	84	67
NC	55	40	55	48
ND	65	29	39	59
OH	39	40	71	51
SD	57	22	38	54
TN	70	61	70	59
WI	52	34	47	57
18 Sts	66	51	65	60
These 18 States planted 96% of last year's soybean acreage.				

Soybeans Percent Setting Pods				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
AR	70	69	78	57
IL	33	28	42	21
IN	17	21	35	18
IA	30	12	25	27
KS	22	8	16	15
KY	26	19	32	24
LA	81	59	70	80
MI	11	10	22	18
MN	38	7	20	26
MS	76	69	79	61
MO	28	17	26	16
NE	29	22	39	28
NC	32	20	33	26
ND	28	2	7	15
OH	14	16	25	16
SD	23	0	3	16
TN	39	31	41	30
WI	13	5	14	21
18 Sts	31	18	29	24
These 18 States planted 96% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	1	5	25	53	16
IL	2	5	17	64	12
IN	2	6	24	55	13
IA	1	4	21	59	15
KS	1	5	26	55	13
KY	2	10	26	55	7
LA	0	4	11	80	5
MI	0	6	31	50	13
MN	2	10	31	47	10
MS	1	7	29	48	15
MO	2	4	15	65	14
NE	2	4	19	55	20
NC	5	16	34	40	5
ND	1	6	35	54	4
OH	1	6	25	61	7
SD	2	6	22	55	15
TN	6	10	26	44	14
WI	1	7	32	46	14
18 Sts	2	6	24	56	12
Prev Wk	2	6	24	56	12
Prev Yr	4	10	32	46	8

Crop Progress and Condition

Week Ending July 21, 2024

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

Cotton Percent Squaring				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
AL	91	84	88	87
AZ	97	98	99	99
AR	94	92	93	95
CA	82	70	80	83
GA	85	77	85	88
KS	83	73	86	78
LA	89	80	85	94
MS	82	86	93	81
MO	93	73	83	77
NC	78	82	91	79
OK	66	50	65	63
SC	75	82	94	80
TN	87	84	87	81
TX	66	53	78	70
VA	81	78	87	84
15 Sts	74	64	81	76
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Setting Bolls				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
AL	54	45	54	48
AZ	59	80	88	71
AR	68	58	70	69
CA	22	20	35	32
GA	40	35	44	48
KS	29	37	51	20
LA	58	40	60	64
MS	45	35	53	41
MO	21	8	18	28
NC	22	32	50	33
OK	18	0	5	14
SC	35	38	58	41
TN	39	32	52	34
TX	28	23	39	27
VA	31	30	42	35
15 Sts	34	27	42	34
These 15 States planted 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	2	6	36	55	1
AZ	0	1	0	64	35
AR	1	3	17	45	34
CA	0	0	0	95	5
GA	2	8	31	52	7
KS	0	8	27	45	20
LA	0	0	10	90	0
MS	3	9	38	45	5
MO	3	8	28	61	0
NC	5	10	36	44	5
OK	3	6	22	67	2
SC	4	12	36	45	3
TN	7	15	23	45	10
TX	11	14	29	33	13
VA	0	11	32	57	0
15 Sts	7	11	29	42	11
Prev Wk	11	12	32	37	8
Prev Yr	8	16	30	39	7

Sorghum Percent Headed				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
CO	6	12	13	5
KS	18	13	18	14
NE	11	7	14	17
OK	15	12	18	22
SD	44	14	16	29
TX	79	73	79	79
6 Sts	34	29	34	33
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Percent Coloring				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
CO	0	0	0	0
KS	5	3	4	2
NE	0	0	0	0
OK	4	0	5	4
SD	1	0	0	0
TX	60	54	63	59
6 Sts	20	16	19	18
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
CO	9	18	25	47	1
KS	3	8	35	46	8
NE	1	2	13	65	19
OK	2	6	21	58	13
SD	0	1	23	65	11
TX	6	6	25	42	21
6 Sts	4	7	29	48	12
Prev Wk	3	8	32	44	13
Prev Yr	3	7	30	45	15

Peanuts Percent Pegging				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
AL	69	72	78	77
FL	92	73	84	88
GA	84	80	89	89
NC	75	65	81	74
OK	43	36	50	44
SC	87	83	91	84
TX	39	24	37	35
VA	67	70	84	73
8 Sts	77	70	80	78
These 8 States planted 96% of last year's peanut acreage.				

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	0	19	77	4
FL	0	1	23	72	4
GA	2	8	33	49	8
NC	3	4	32	54	7
OK	2	9	23	64	2
SC	0	7	34	55	4
TX	1	3	47	43	6
VA	0	1	11	71	17
8 Sts	1	5	31	56	7
Prev Wk	1	6	33	54	6
Prev Yr	1	3	24	64	8

Crop Progress and Condition

Week Ending July 21, 2024

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

Oats Percent Headed				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
IA	100	97	98	99
MN	96	88	96	96
NE	100	99	100	99
ND	81	70	81	85
OH	97	89	93	96
PA	97	90	95	92
SD	100	95	98	96
TX	100	100	100	100
WI	95	92	96	94
9 Sts	95	91	95	95
These 9 States planted 66% of last year's oat acreage.				

Oats Percent Harvested				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
IA	29	26	44	27
MN	15	6	11	9
NE	33	34	60	41
ND	0	0	0	0
OH	22	1	24	32
PA	4	0	14	3
SD	19	1	10	18
TX	99	100	100	99
WI	8	3	12	6
9 Sts	18	16	22	19
These 9 States harvested 71% of last year's oat acreage.				

Oat Condition by Percent					
	VP	P	F	G	EX
IA	1	3	20	63	13
MN	1	2	18	65	14
NE	1	3	21	53	22
ND	1	1	12	74	12
OH	0	0	9	83	8
PA	1	1	25	63	10
SD	1	4	28	54	13
TX	22	13	35	27	3
WI	0	3	19	63	15
9 Sts	6	5	23	55	11
Prev Wk	6	5	23	56	10
Prev Yr	7	9	39	41	4

Winter Wheat Percent Harvested				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
AR	100	100	100	100
CA	76	70	80	91
CO	40	76	90	69
ID	10	3	7	9
IL	96	96	98	96
IN	94	94	97	94
KS	82	97	99	94
MI	42	50	71	45
MO	100	97	99	99
MT	2	0	3	7
NE	37	70	86	60
NC	98	97	99	99
OH	93	97	100	91
OK	99	100	100	100
OR	36	23	35	26
SD	39	15	31	36
TX	99	97	100	100
WA	16	5	10	16
18 Sts	65	71	76	72
These 18 States harvested 89% of last year's winter wheat acreage.				

Rice Percent Headed				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
AR	33	43	62	19
CA	19	20	25	26
LA	80	64	73	80
MS	63	53	67	57
MO	36	12	23	20
TX	78	80	94	78
6 Sts	44	44	58	36
These 6 States planted 100% of last year's rice acreage.				

Rice Condition by Percent					
	VP	P	F	G	EX
AR	1	4	15	50	30
CA	0	0	5	80	15
LA	0	0	7	83	10
MS	0	1	38	49	12
MO	2	7	15	74	2
TX	2	4	20	56	18
6 Sts	1	3	13	62	21
Prev Wk	0	2	18	63	17
Prev Yr	1	3	20	57	19

Spring Wheat Percent Headed				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
ID	97	81	91	95
MN	96	93	97	96
MT	93	72	88	86
ND	88	70	85	89
SD	99	93	95	95
WA	100	98	100	98
6 Sts	92	76	89	90
These 6 States planted 100% of last year's spring wheat acreage.				

Spring Wheat Condition by Percent					
	VP	P	F	G	EX
ID	1	5	34	54	6
MN	0	3	15	62	20
MT	0	5	19	71	5
ND	1	2	14	67	16
SD	1	7	29	54	9
WA	7	13	39	38	3
6 Sts	1	4	18	65	12
Prev Wk	0	3	20	67	10
Prev Yr	4	12	35	45	4

Crop Progress and Condition

Week Ending July 21, 2024

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

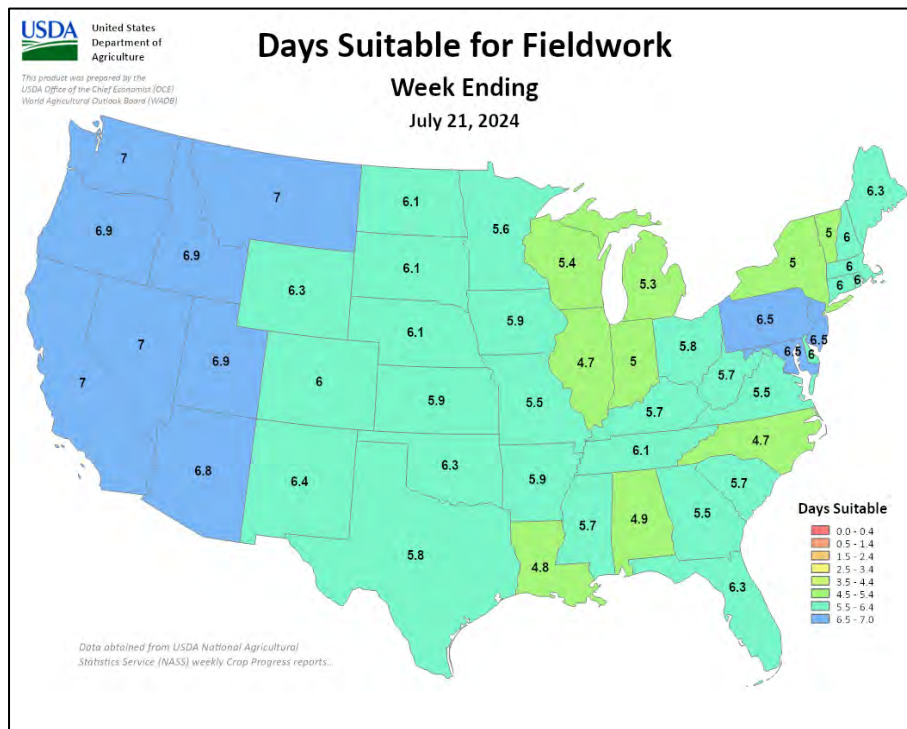
Barley Percent Headed				
	Prev Year	Prev Week	Jul 21 2024	5-Yr Avg
ID	95	77	88	92
MN	94	81	93	95
MT	78	73	80	86
ND	92	77	86	90
WA	99	97	99	99
5 Sts	87	76	84	89
These 5 States planted 84% of last year's barley acreage.				

Barley Condition by Percent					
	VP	P	F	G	EX
ID	1	2	18	71	8
MN	0	3	17	69	11
MT	0	5	23	71	1
ND	0	1	25	62	12
WA	5	10	39	44	2
5 Sts	0	3	23	68	6
Prev Wk	0	3	23	69	5
Prev Yr	2	8	38	45	7

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

 NA - Not Available
 * Revised

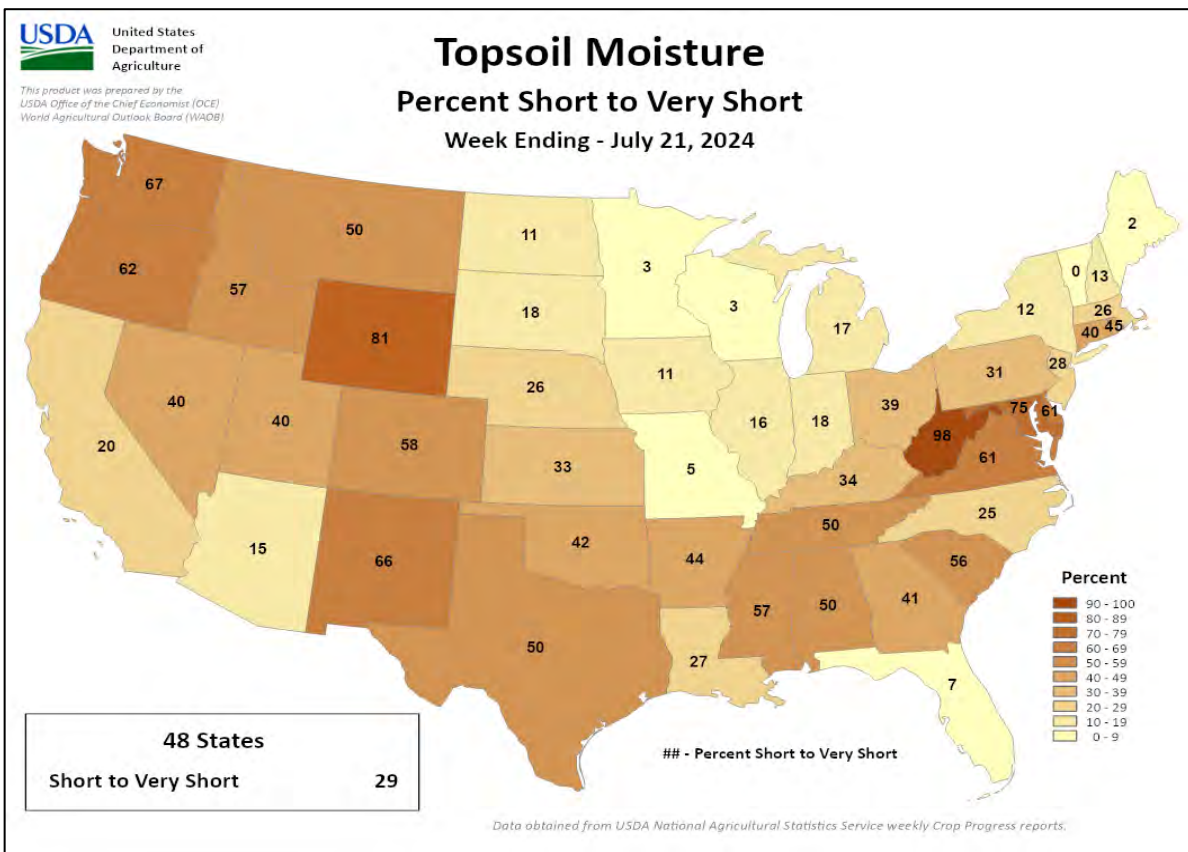
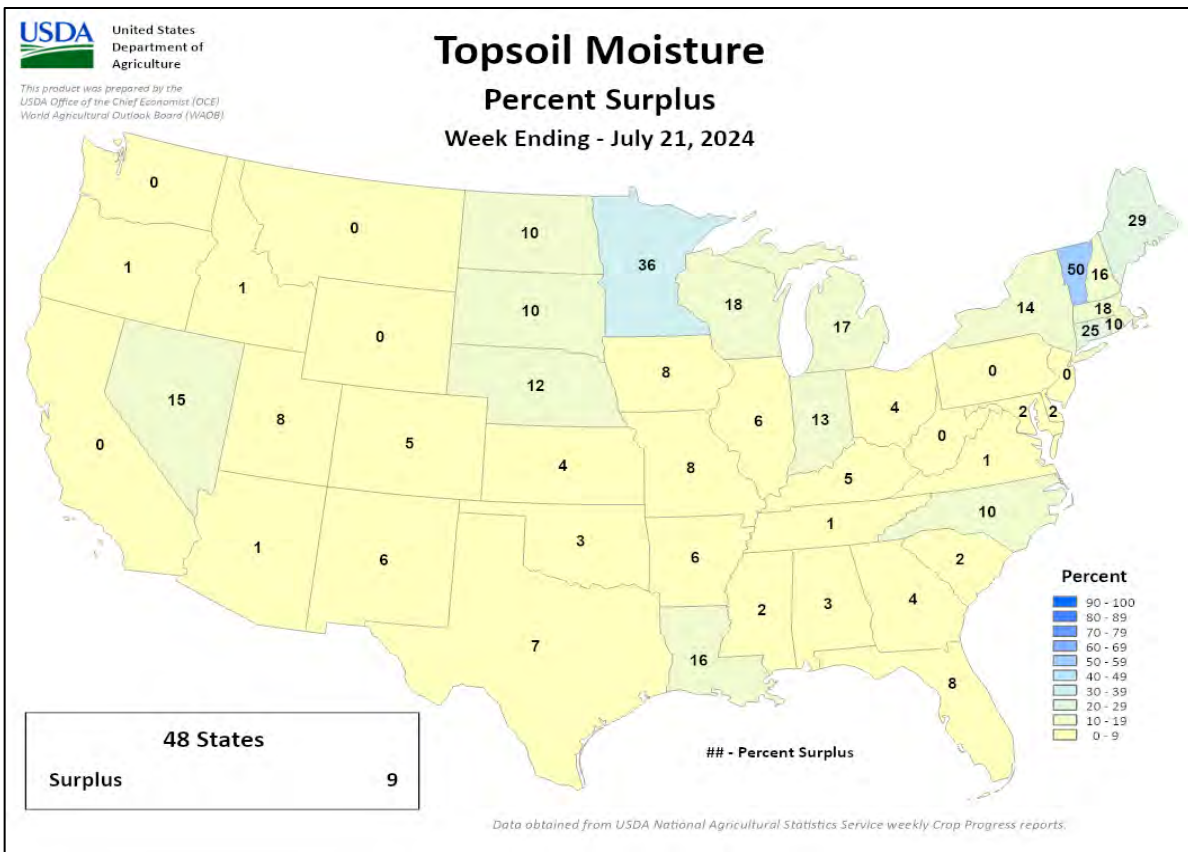
Pasture and Range Condition by Percent											
Week Ending Jul 21, 2024											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	3	15	37	44	1	NH	0	0	21	79	0
AZ	27	14	26	28	5	NJ	3	6	37	54	0
AR	1	11	34	44	10	NM	20	30	37	8	5
CA	0	0	65	30	5	NY	0	0	15	67	18
CO	7	12	32	47	2	NC	6	18	59	16	1
CT	0	0	25	65	10	ND	1	4	23	62	10
DE	6	17	39	38	0	OH	1	15	34	48	2
FL	0	5	19	59	17	OK	4	9	31	52	4
GA	18	22	30	28	2	OR	26	28	17	22	7
ID	1	11	30	34	24	PA	0	17	27	52	4
IL	2	4	17	53	24	RI	0	0	16	70	14
IN	3	8	35	48	6	SC	10	32	41	16	1
IA	1	3	25	58	13	SD	8	17	23	39	13
KS	5	11	32	44	8	TN	19	23	34	22	2
KY	7	17	32	39	5	TX	19	19	32	24	6
LA	0	3	34	62	1	UT	0	0	10	78	12
ME	0	4	13	81	2	VT	0	0	0	25	75
MD	24	43	22	9	2	VA	36	34	22	8	0
MA	0	0	20	68	12	WA	4	43	38	15	0
MI	0	2	16	47	35	WV	14	38	40	5	3
MN	2	5	16	55	22	WI	1	6	23	50	20
MS	5	14	39	38	4	WY	18	33	29	20	0
MO	0	0	10	77	13	48 Sts	12	17	31	33	7
MT	4	17	40	33	6						
NE	5	9	24	44	18	Prev Wk	12	17	30	34	7
NV	10	10	20	35	25	Prev Yr	9	15	32	35	9



Crop Progress and Condition

Week Ending July 21, 2024

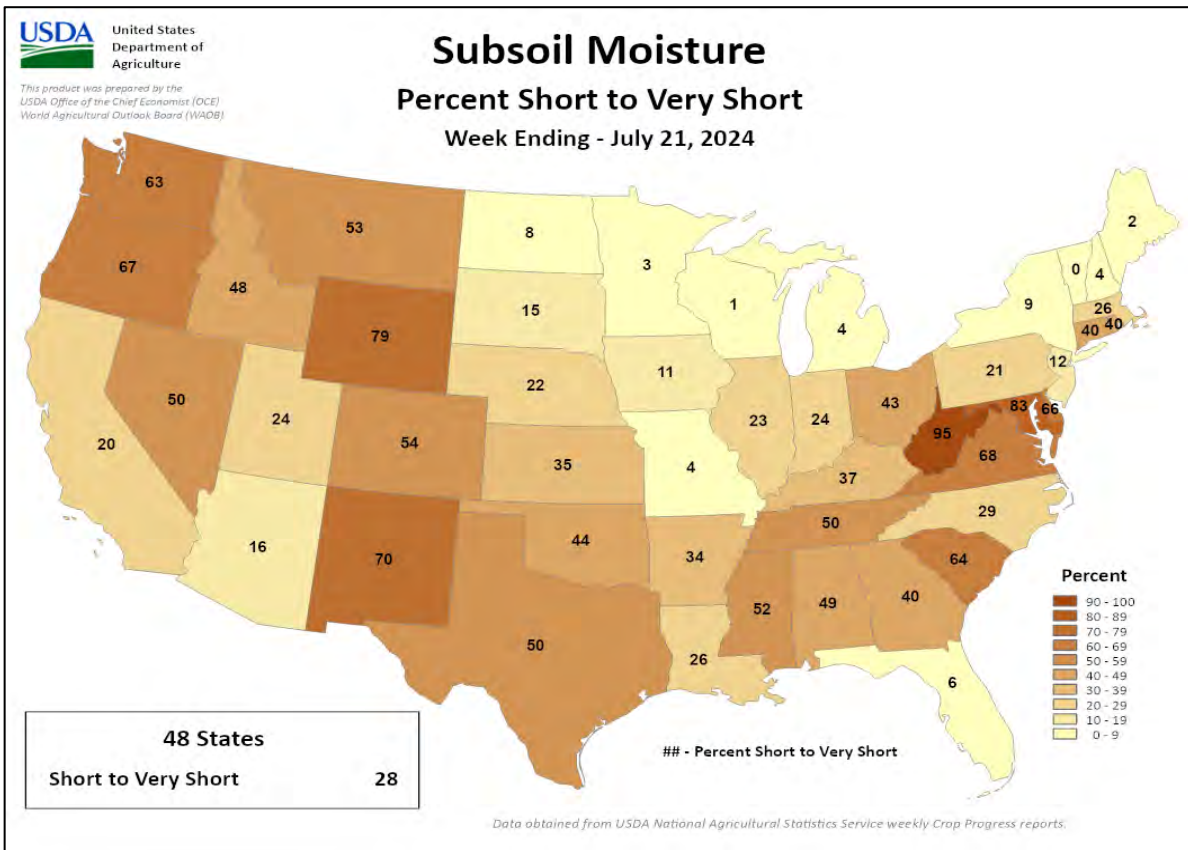
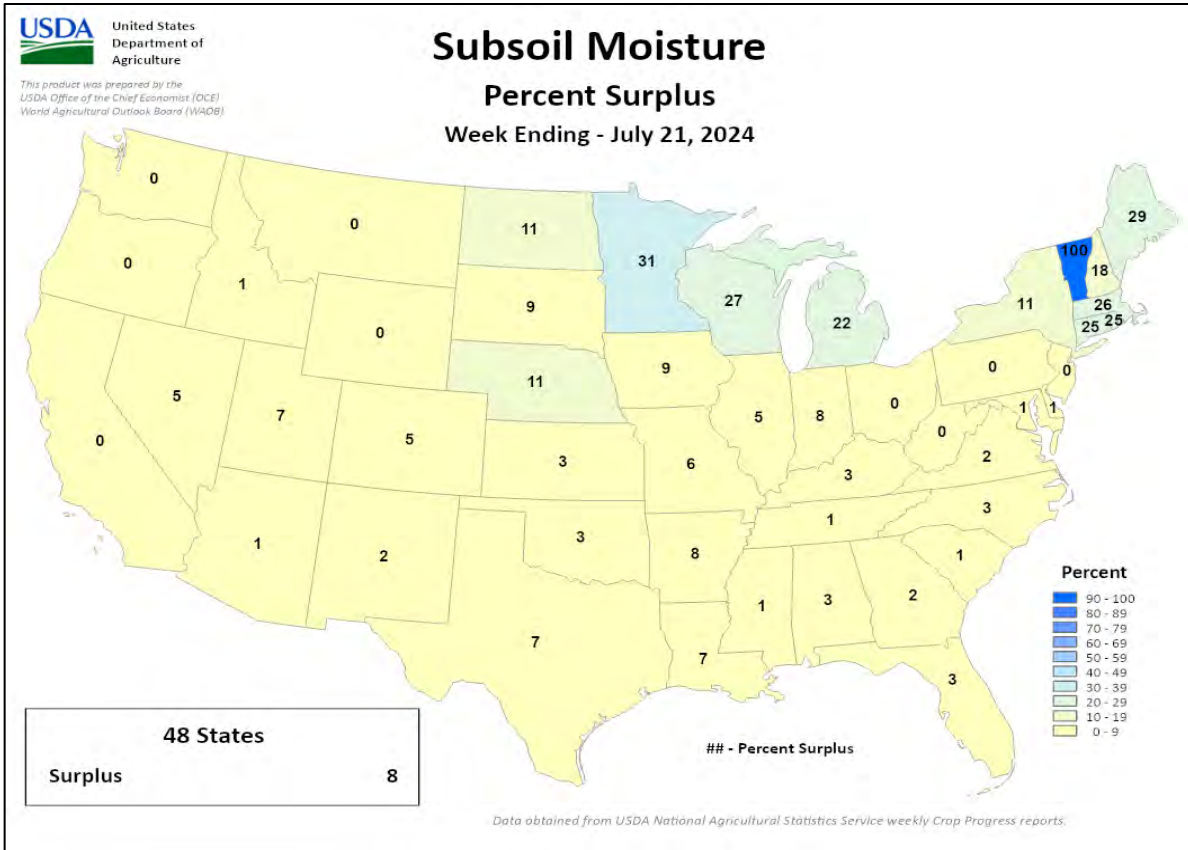
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending July 21, 2024

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



International Weather and Crop Summary

July 14-20, 2024

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

HIGHLIGHTS

EUROPE: A second consecutive week of searing heat in southeastern Europe continued to rapidly lower summer crop yield prospects.

WESTERN FSU: A scorching heat wave afflicted the region for a second straight week, though beneficial rain continued in northern- and western-most growing areas.

EASTERN FSU: Moderate to heavy rain returned to most of the spring grain belt, while seasonably sunny skies and a lack of extreme heat favored cotton development in the south.

MIDDLE EAST: Hot weather in western Turkey gave way to additional showers in central and eastern portions of the country.

SOUTH ASIA: Downpours in India benefited kharif crops in the east and interior sections but caused flooding in parts of the west.

EAST ASIA: Flooding rainfall continued in key summer growing areas of the North China Plain.

SOUTHEAST ASIA: Monsoon showers throughout Indochina and the Philippines continued to benefit rice and other seasonal crops.

AUSTRALIA: Widespread showers persisted, further benefiting vegetative winter grains and oilseeds.

ARGENTINA: Mostly dry, seasonably cool weather supported fieldwork, including late summer crop harvesting.

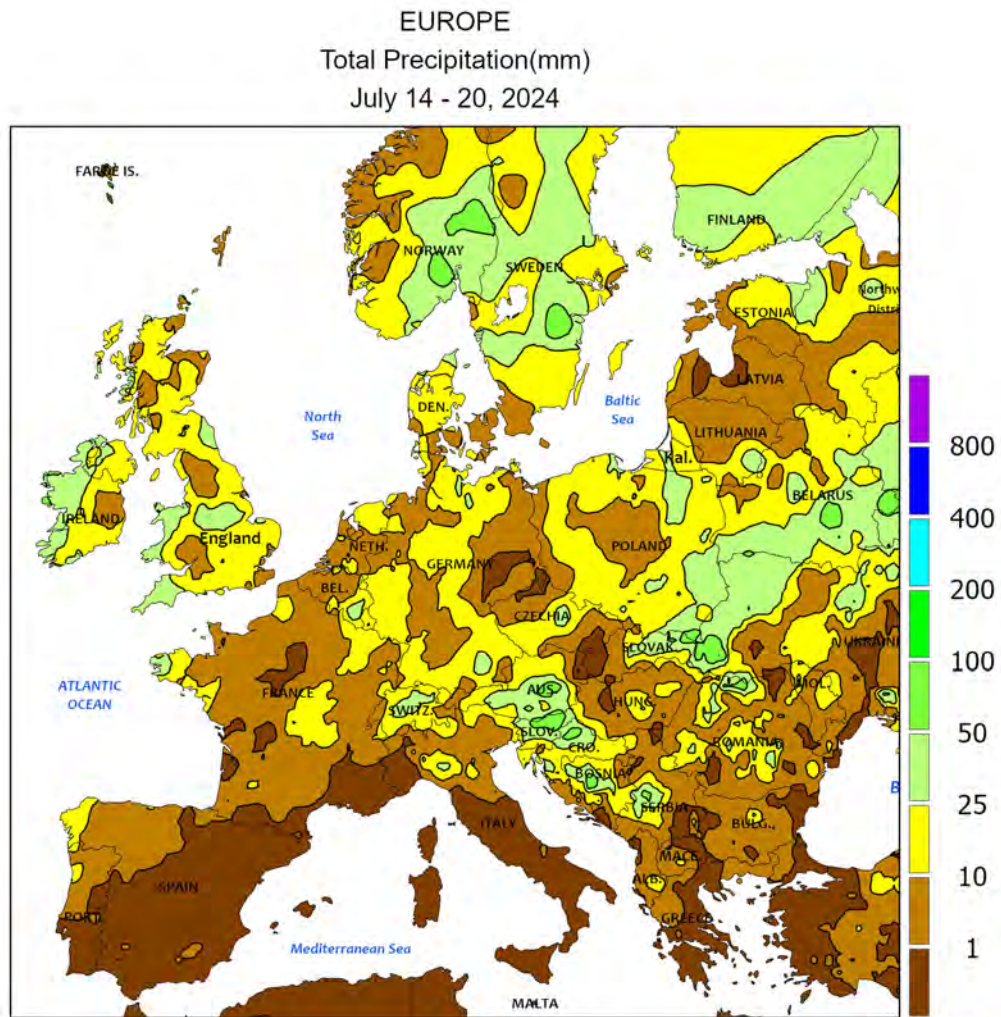
BRAZIL: Showers lingered over southern wheat areas, while dry weather favored corn and cotton harvesting farther north.

MEXICO: Locally heavy showers continued throughout the region, benefiting rain-fed summer crops and increasing reservoir levels.


CANADIAN PRAIRIES: Warm, sunny weather supported a more rapid pace of spring crop and pasture growth.

SOUTHEASTERN CANADA: Showers and summer warmth benefited crops and pastures.





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

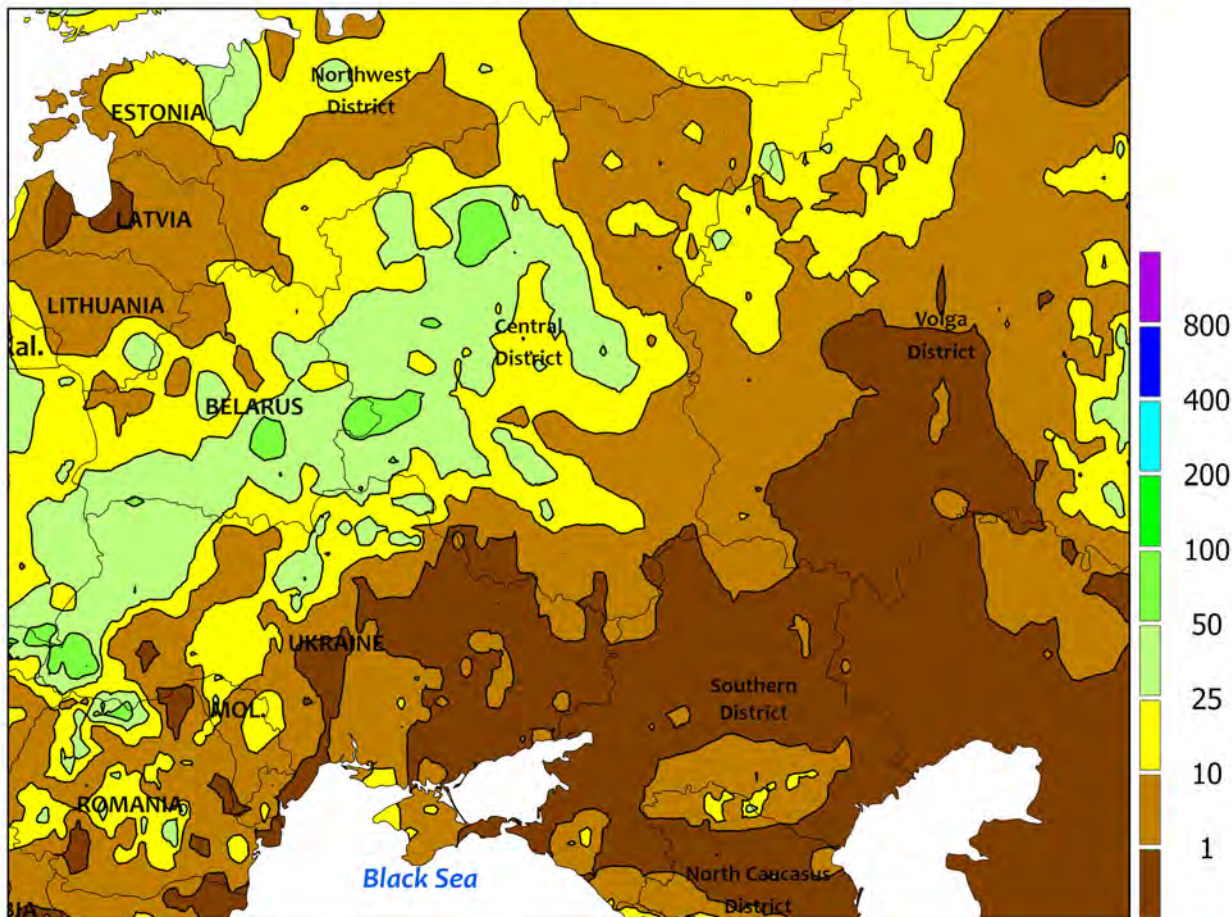


EUROPE

Scorching heat continued in southeastern Europe, while showers prevailed across central and northern portions of the continent. An intense heat wave persisted for a second consecutive week over key summer crop areas of Hungary and the Danube River Valley, with daytime highs ranging from the upper 30s to lower 40s (degrees C). As of July 20, southern Romania’s Wallachian Plain reported 14 consecutive days of highs well above 36°C, with widespread maxima of 40 to 42°C during the past week. Maximum temperatures also approached or topped 40°C across southern Hungary, Serbia, and northern Bulgaria, while readings soared to 42°C in central Serbia. Balkans’ corn was racing through the temperature-sensitive silking and blister stages of development up to two weeks ahead of average in response to the anomalous heat (up to 8°C above normal), while soybeans and sunflowers were likewise hastened toward the end of flowering. Month-to-date temperatures (through July 21) have been the highest on record over much of southeastern Europe, and significant summer crop yield losses are likely from the heat wave. However, spotty albeit highly variable showers and

thunderstorms (1-50 mm, locally more) at the conclusion of the monitoring period signaled an end to the heat wave and brought localized relief from acute short-term drought. Extreme heat (as high as 43°C) also prevailed in Greece, maintaining very high irrigation demands for flowering cotton and likely caused some stress where temperatures were highest. Hot weather (35-40°C) persisted across Italy, though showers (3-25 mm) in the Po River Valley — a key corn area — helped keep daytime highs at or below 35°C for the week. On the Iberian Peninsula, daytime temperatures in the 40s in central and southern Spain heightened irrigation demands for reproductive sunflowers and other summer crops, while temperatures in the middle and upper 30s over Castilla y León likely caused some stress to reproductive corn. Farther north, widespread light to moderate showers (2-20 mm) over England, France, and Germany maintained favorable conditions for reproductive corn and sunflowers. Lastly, moderate to heavy rain (10-75 mm) in Poland and environs provided timely additional soil moisture for reproductive summer crops.

WESTERN FSU
Total Precipitation(mm)
July 14 - 20, 2024



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

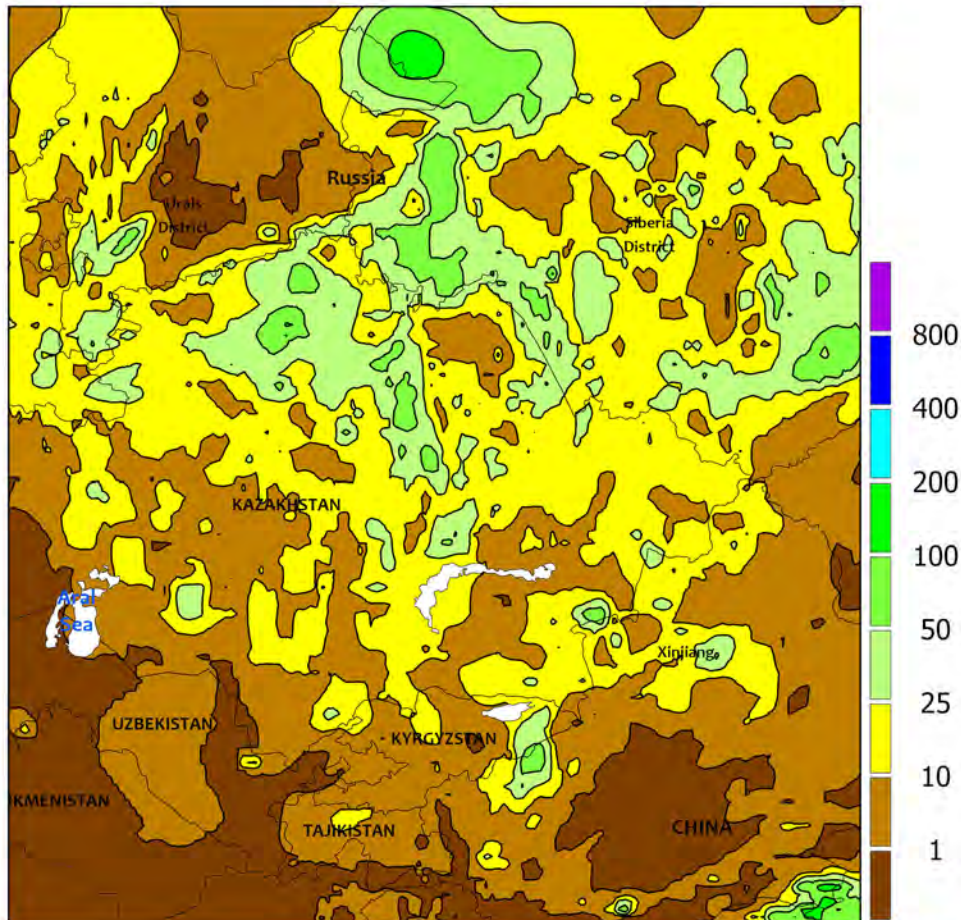


WESTERN FSU

A blistering heat wave afflicted many key summer crop areas across the region for a second consecutive week. Temperatures during the monitoring period averaged 4 to 8°C above normal over Ukraine, Moldova, southern Belarus, and western Russia, hastening summer crops into or through reproduction up to two weeks ahead of normal. Corn varied from tasseling (north) to blistering (south) and has likely suffered significant heat- and drought-related crop stress and yield losses, especially over Russia’s Southern and North Caucasus Districts. Daytime highs ranged from 38 to 41°C from Moldova and west-central Ukraine eastward into southern Russia, well above the 35-degree threshold for crop damage. As of July 20, Russian corn-growing oblasts most impacted by the damaging heat were: Rostov, 17 days with highs greater than 35°C since July 1, with a peak temperature of 41.0°C during the past

week; Krasnodar, 18 days over 35°C, weekly maximum value of 39.4°C; and Stavropol, 15 days over 35°C in July, with a peak value of 40.2°C. Unlike previous weeks, high heat also afflicted key corn areas of central and northern Ukraine (35-39°C) as well as Moldova (39-41°C). Monthly average temperatures as of July 21 were the highest of the past 30 years — by far — over most of the Black Sea Region. Furthermore, mostly sunny skies heightened soil moisture losses and evapotranspiration rates brought on by the extreme heat. However, moderate to heavy rainfall (10-75 mm) across northern and western growing areas signaled the arrival of cooler air, with showers and thunderstorms overspreading many of the heat- and drought-stricken farmlands as of July 22. Despite providing welcome drought and heat relief, many of the region’s summer crop yield losses are irreversible.

EASTERN FSU
Total Precipitation(mm)
July 14 - 20, 2024



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

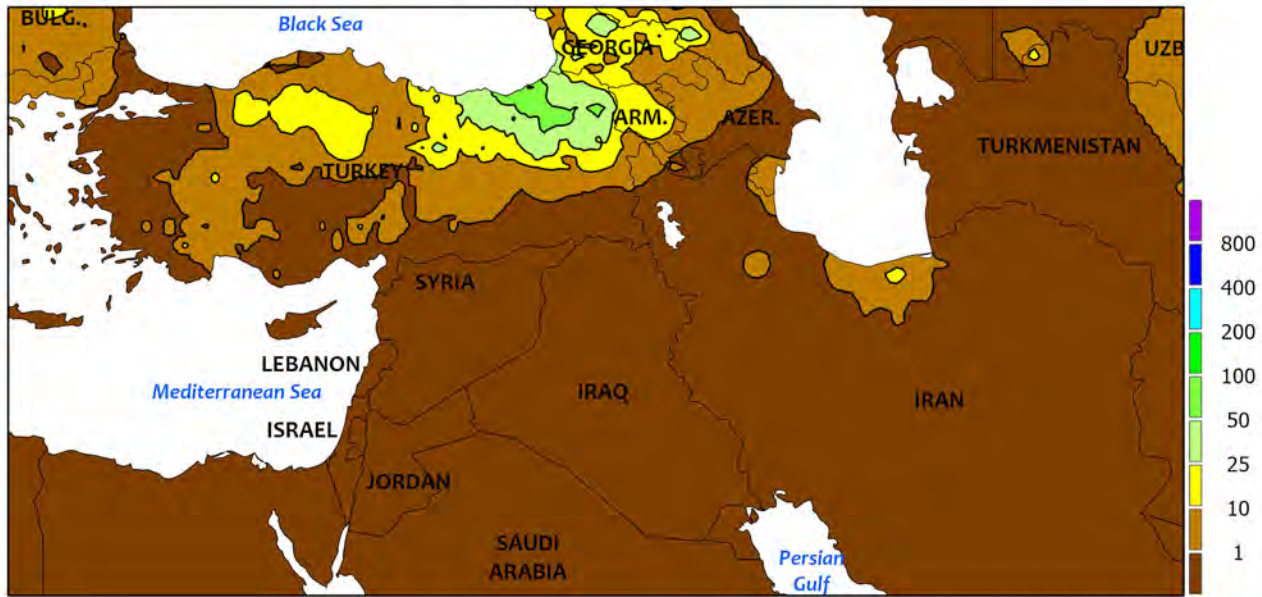


EASTERN FSU

Rain returned to much of the spring grain belt, while seasonably sunny skies and a lack of excessive heat favored cotton across the Commonwealth of Independent States (CIS). After last week's sorely needed drier weather, widespread moderate to heavy rain (10-120 mm) over northern Kazakhstan and central Russia maintained abundant to excessive moisture supplies for reproductive spring grains. Season-to-date (since May 1) total rainfall in northern Kazakhstan has been the highest of the past 30 years — by far — in North Kazakhstan (277 mm, 220 percent of normal), Akmola (275 mm, 229 percent of normal), and Pavlodar (285 mm, 250 percent of normal). The persistent wet weather has made fieldwork difficult but should boost yield

prospects if skies clear soon. Rainy weather has also plagued much of central Russia, albeit not as persistent and heavy. In fact, many of the primary growing areas of the southern Urals District were mostly dry during the monitoring period, though growing areas to the east (Siberia District) and west (Volga District) dealt with locally heavy rainfall. Farther south across the CIS, seasonably dry and hot weather (upper 30s degrees C) favored the development of flowering cotton. The lack of persistent extreme heat thus far in the current summer crop growing campaign across much of the CIS has been in sharp contrast to the preceding three years, when temperatures frequently reached or topped 45°C.

MIDDLE EAST
Total Precipitation(mm)
July 14 - 20, 2024



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

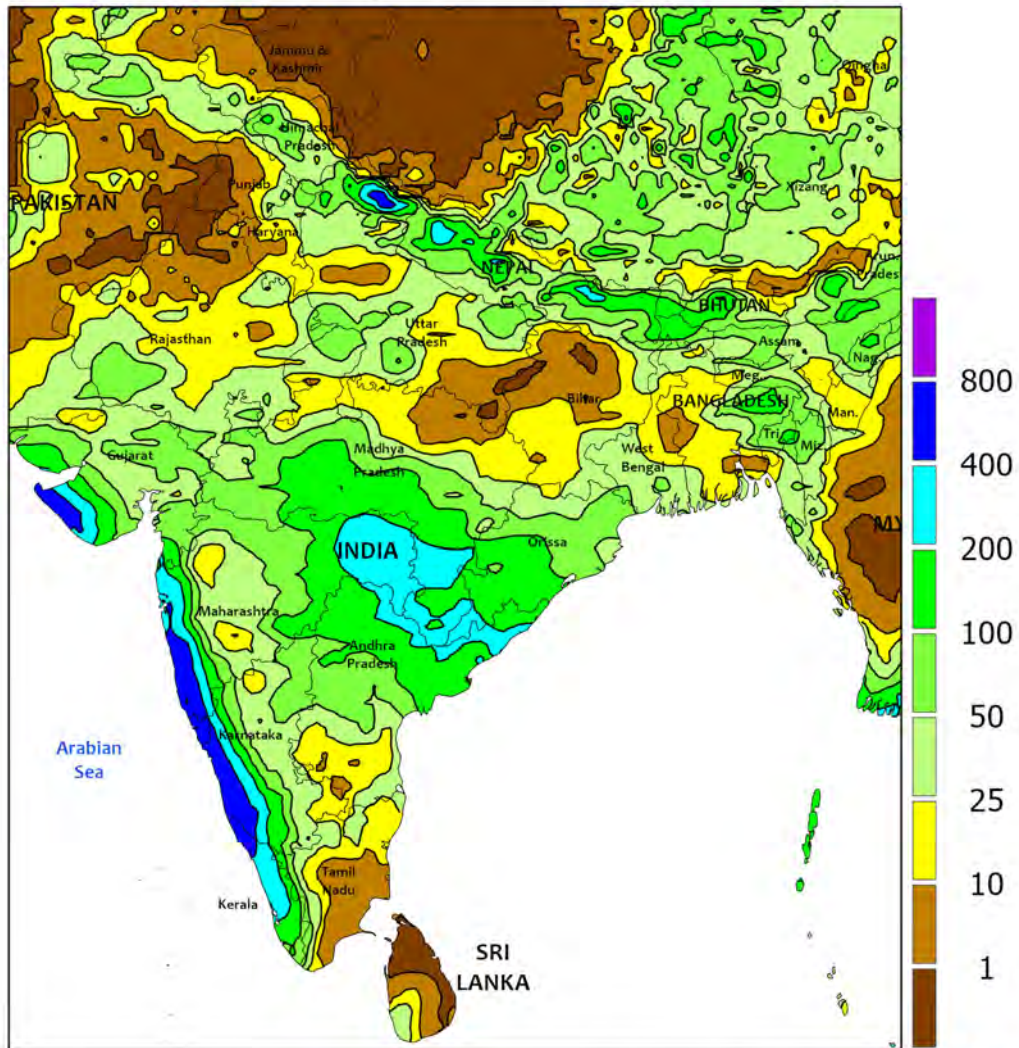


MIDDLE EAST

A weakening upper-air low over Turkey produced additional widespread showers, though extreme heat persisted in areas outside the low’s influence to the west and south. The low lingered over central Turkey for the first half of the monitoring period, producing 2 to 45 mm of rain over the Anatolian Plateau as well as areas adjacent to the Black Sea

for reproductive to filling corn and sunflowers. Meanwhile, extreme heat (40-43°C) prevailed in western Turkey’s Aegean Region and the GAP Region in the southeast, maintaining very high irrigation demands for cotton and hastening the crop toward (west) or into (southeast) the open boll stage of development.

SOUTH ASIA
Total Precipitation(mm)
July 14 - 20, 2024



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

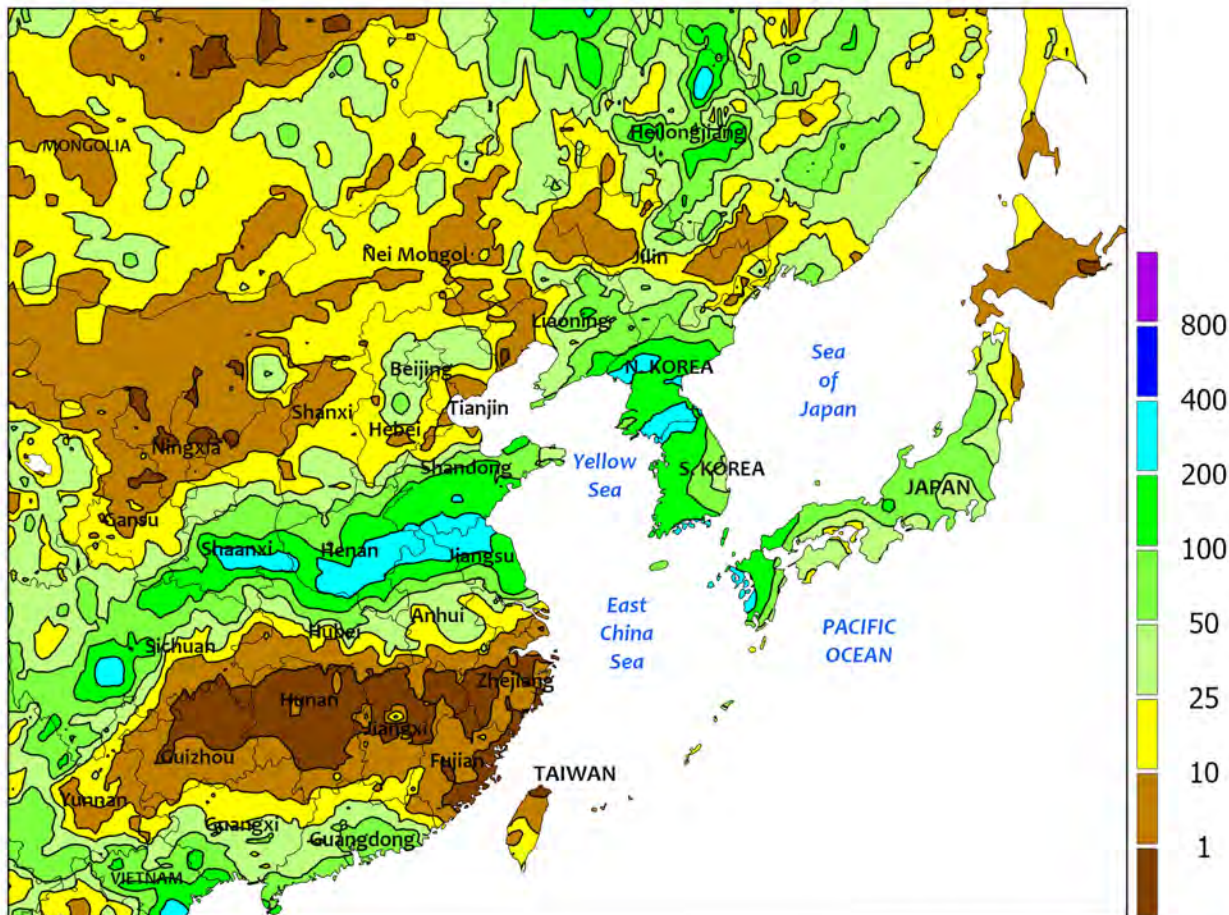


SOUTH ASIA

Monsoon showers continued throughout most of the region, although pockets of drier weather prevailed in the lower Ganges River Basin and northern India into neighboring Pakistan. Rainfall was particularly heavy (topping 350 mm locally) in eastern rice areas of India (southern Odisha and environs) into interior cotton and oilseed locales (eastern Maharashtra and environs). The moisture was welcome in all the aforementioned areas but more specifically in the rice areas following poor early-season rain. Meanwhile, seasonal

downpours continued along the western coast, topping 600 mm in some areas, with similar but more atypical totals extending into Gujarat, causing flooding in cotton and groundnut areas. Elsewhere, unseasonably dry weather prevailed in the lower Ganges River Basin, maintaining below-average seasonal (since June 1) rainfall totals (75 percent of normal), although in most crop locations benefit from some level of irrigation. Planting continued throughout India at a slightly more advanced pace than last year for many grains and oilseeds.

EASTERN ASIA
Total Precipitation(mm)
July 14 - 20, 2024



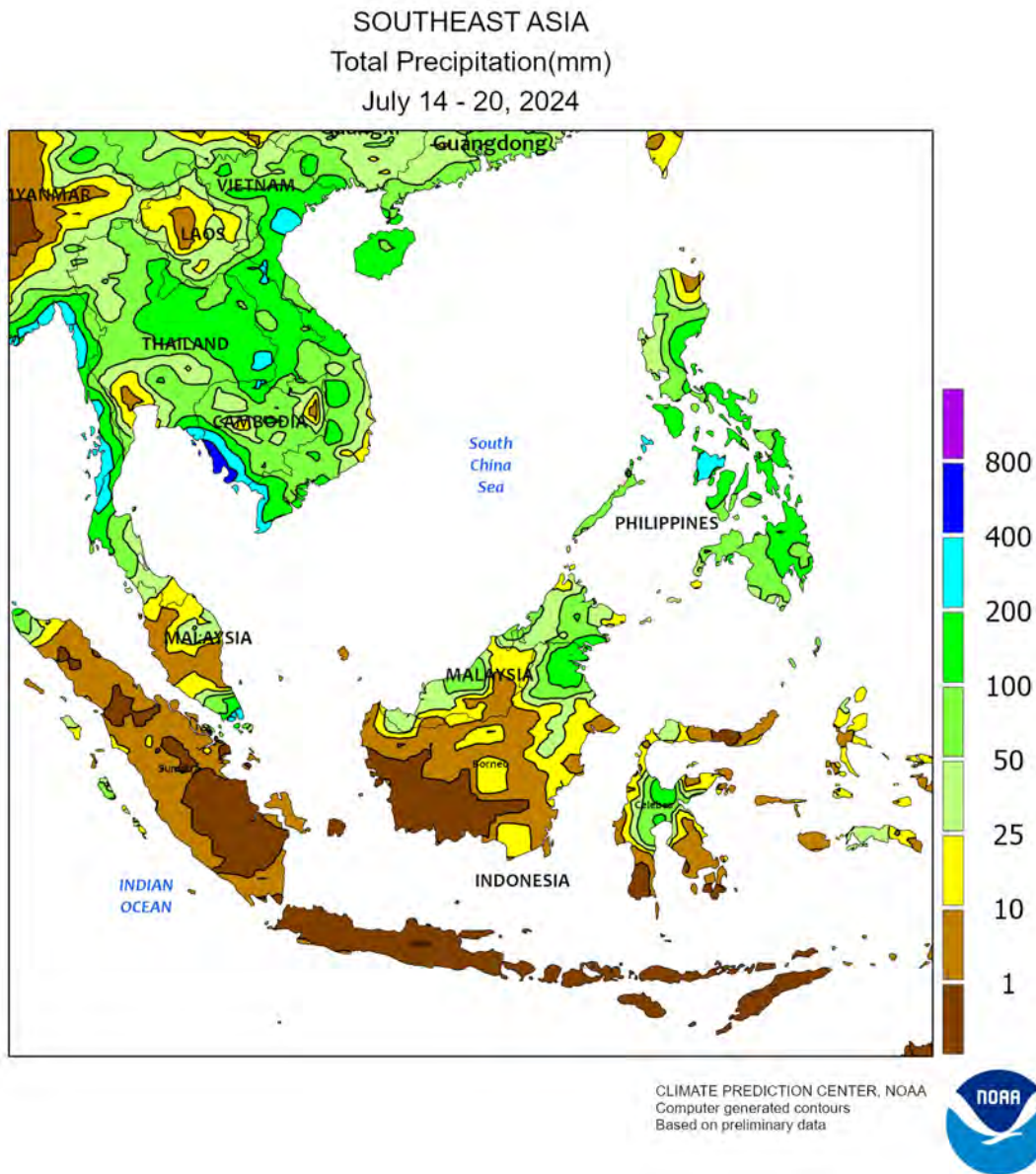
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



EASTERN ASIA

Persistent showers continued along a narrow strip extending from the upper Yangtze Valley eastward onto sections of the North China Plain. The flooding rains shifted from southern locales of China, now experiencing beneficially drier weather, northward over the last three weeks. Since July 1, summer crop areas on the North China Plain have averaged over 300 mm of rain (second highest total on record for the time period) with some individual locations topping 700 mm. The

inundation has likely caused damage to crop areas including corn, soybeans, and cotton while also lowering yield prospects. A similar situation has developed along border areas of North and South Korea, impacting rice and other summer crops; impacts in southern Japan were localized to southern-most portions of the country. Meanwhile in northeastern China, rainfall has been more periodic, sustaining favorable moisture conditions for reproductive corn and soybeans.

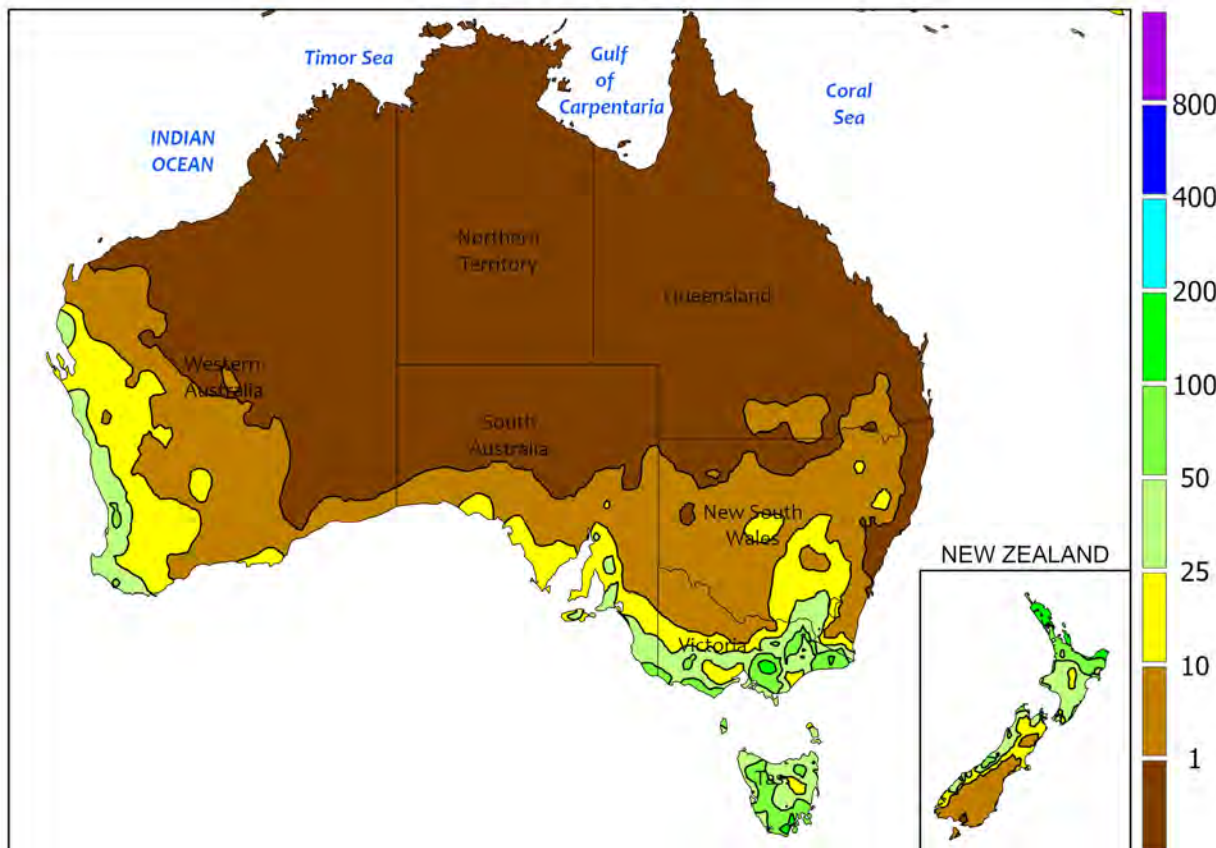


SOUTHEAST ASIA

Waves of heavy monsoon showers moved through the Philippines and Indochina during the period, with most areas totaling at least 50 mm and some locales topping 200 mm. The consistent rain of late has maintained favorable moisture conditions for rice and other seasonal crops in the major growing areas while also bolstering irrigation supplies. Meanwhile, a tropical cyclone off the

northeastern coast of the Philippines was intensifying toward the end of the week, with outer rain bands adding to some totals in eastern Luzon. In other parts of the region, drier weather prevailed in oil palm areas of Malaysia and Indonesia after several weeks of persistent showers. Despite this recent drier period, long-term moisture conditions remained favorable.

AUSTRALIA
Total Precipitation(mm)
July 14 - 20, 2024



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

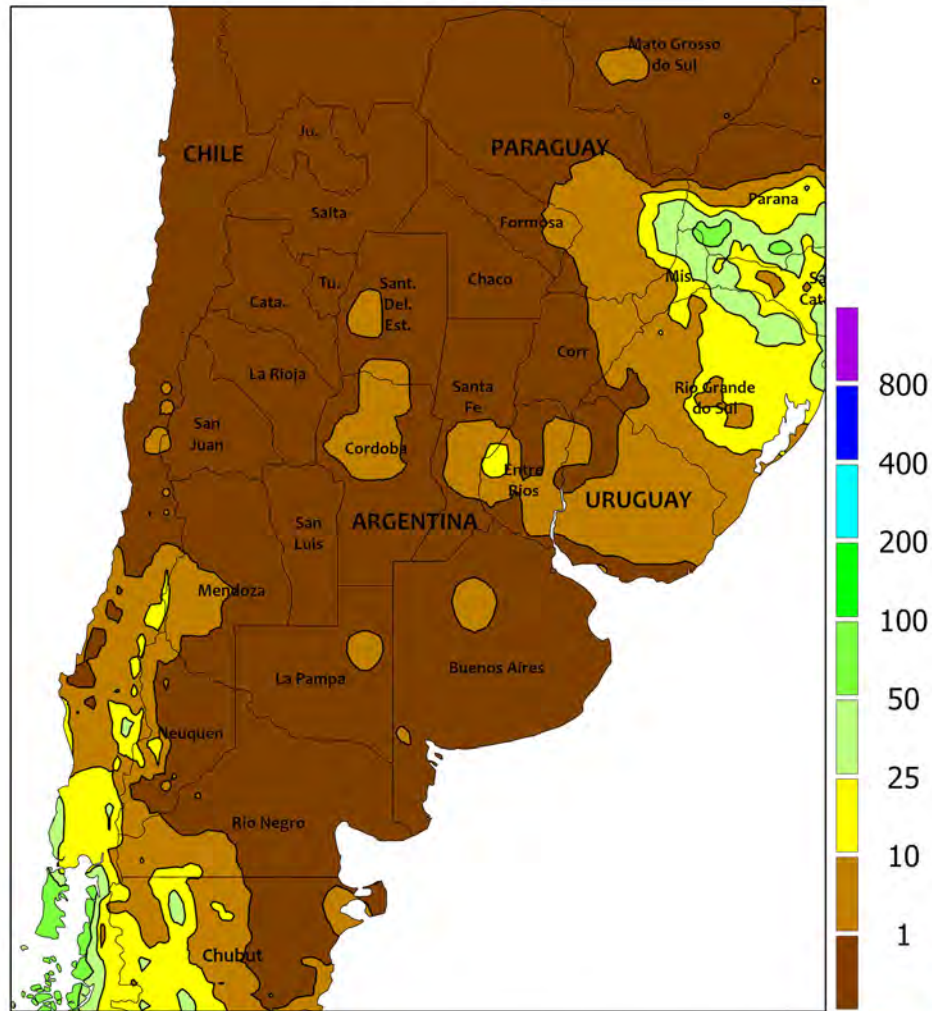


AUSTRALIA

Widespread showers continued throughout most of the wheat belt, further benefiting vegetative winter grains and oilseeds. For the second consecutive week, most major winter crop producing areas received between 10 and 25 mm of rain, maintaining or improving early-season yield prospects. Although little rain fell in southern Queensland, sunny skies

and near-normal root zone soil moisture promoted wheat and other winter crop development, maintaining good to excellent yield prospects here as well. Temperatures averaged 2 to 4°C below normal in southern Queensland and northern New South Wales, slowing the pace of crop development, while seasonably mild weather prevailed elsewhere in the wheat belt.

ARGENTINA
Total Precipitation(mm)
July 14 - 20, 2024



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

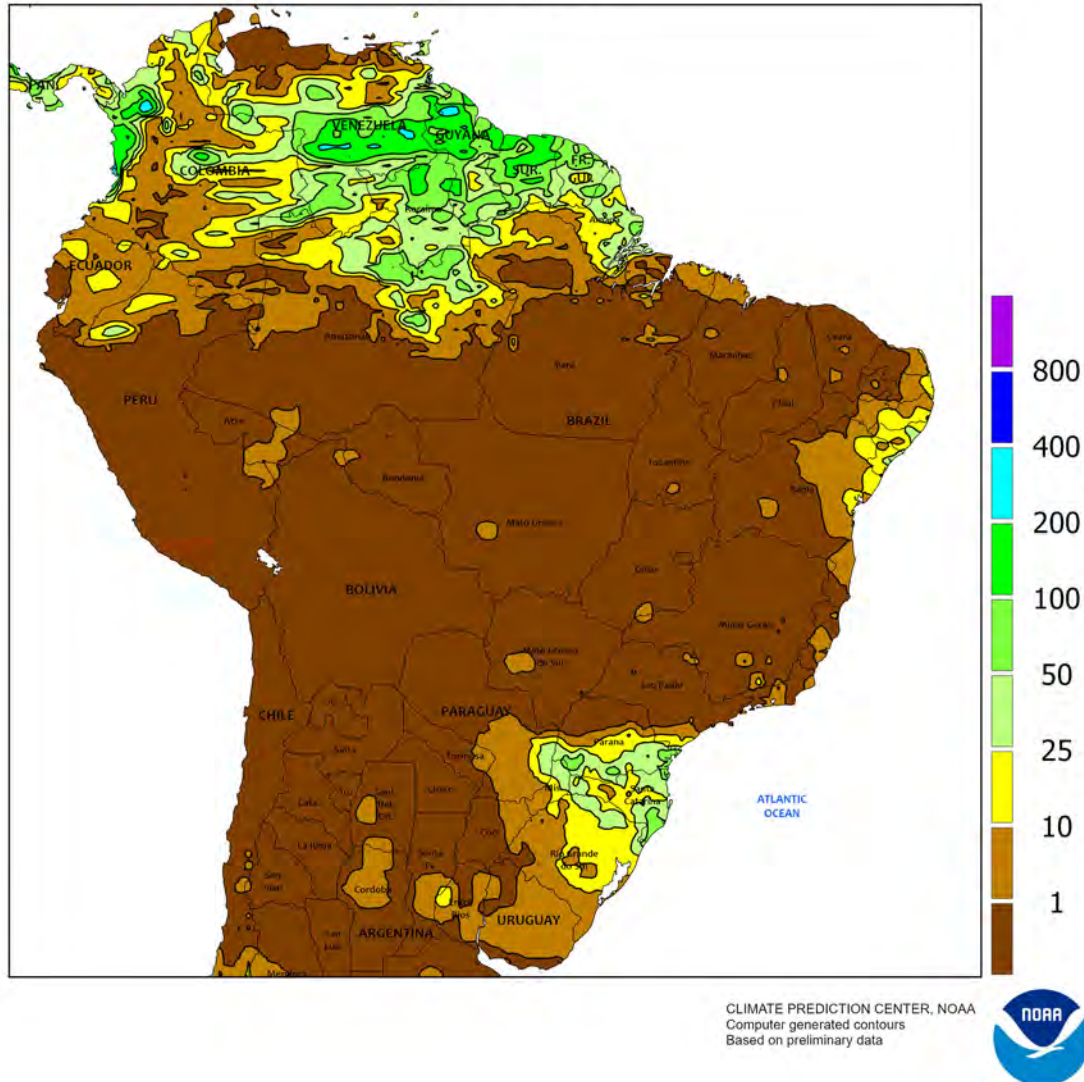


ARGENTINA

Mostly dry, seasonably cool weather prevailed. Most locations were either completely dry or recorded precipitation totaling below 5 mm. Average temperatures varied between 2°C below to 2°C above normal, with freezes (nighttime lows from -9 to 0°C) reaching as far north as Chaco. While aiding drydown of

unharvested summer crops, the low temperatures slowed winter grain emergence in the colder locations. According to the government of Argentina, wheat and barley were 92 and 91 percent planted, respectively, as of July 18; meanwhile, corn and cotton were 87 and 88 percent harvested, respectively.

BRAZIL
Total Precipitation(mm)
July 14 - 20, 2024

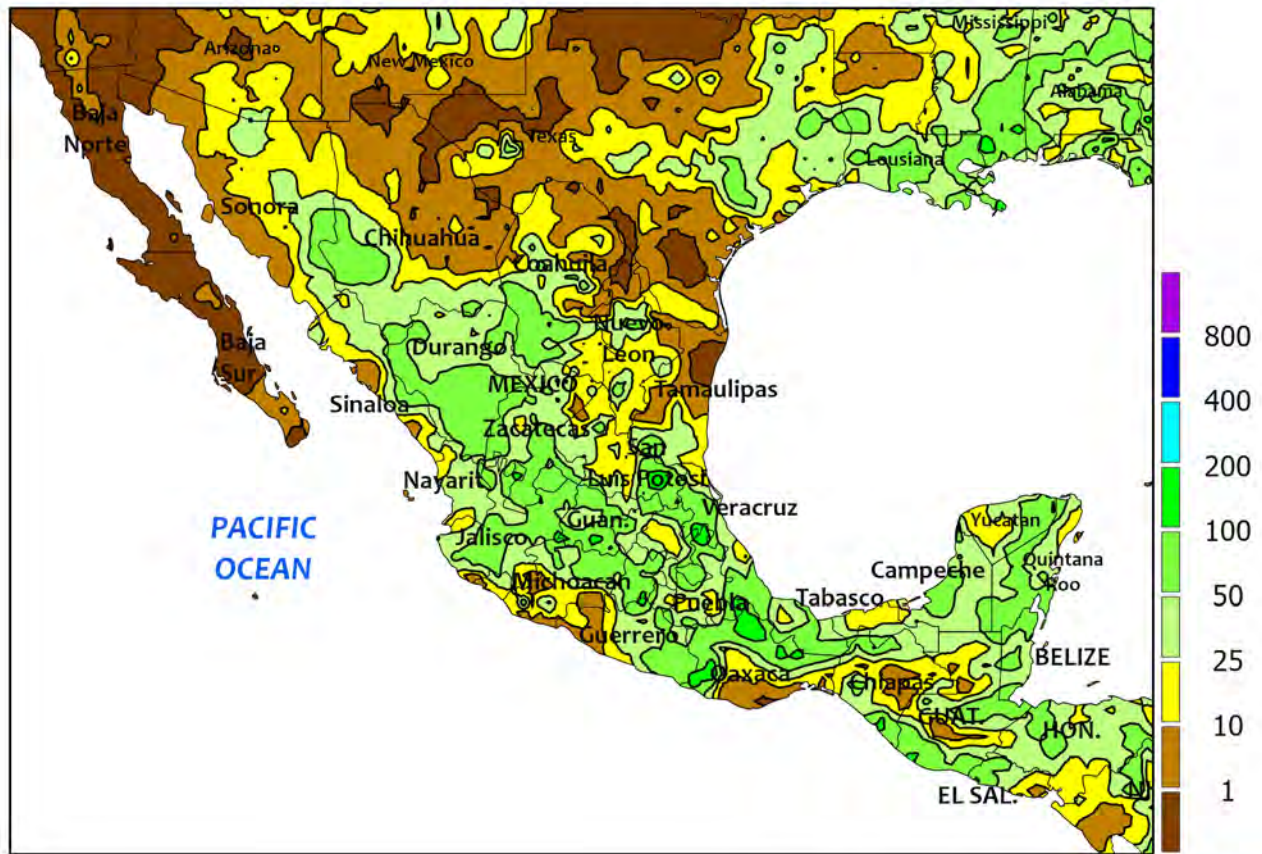


BRAZIL

Lingering showers maintained adequate to locally excessive levels of moisture for wheat in southern production areas. Rainfall totaled 5 to 25 mm from Paraná southward, accompanied by overall seasonable temperatures (daytime highs reaching the middle and upper 20s degrees C, and no freezes). According to the government of Paraná, second-crop corn was 67 percent harvested as of July 15, while nearly 40 percent of wheat had reached flowering. In Rio Grande do

Sul, wheat was 85 percent planted as of July 18, compared with the 5-year average of 93 percent. Farther north, warm (daytime highs mostly in the lower and middle 30s degrees C), sunny weather favored maturing summer row crops. According to the government of Mato Grosso, corn was 97 percent harvested as of July 19, more than 10 points ahead of the 5-year average pace, while cotton was 13 percent harvested versus 22 percent on average.

MEXICO
 Total Precipitation(mm)
 July 14 - 20, 2024



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



MEXICO

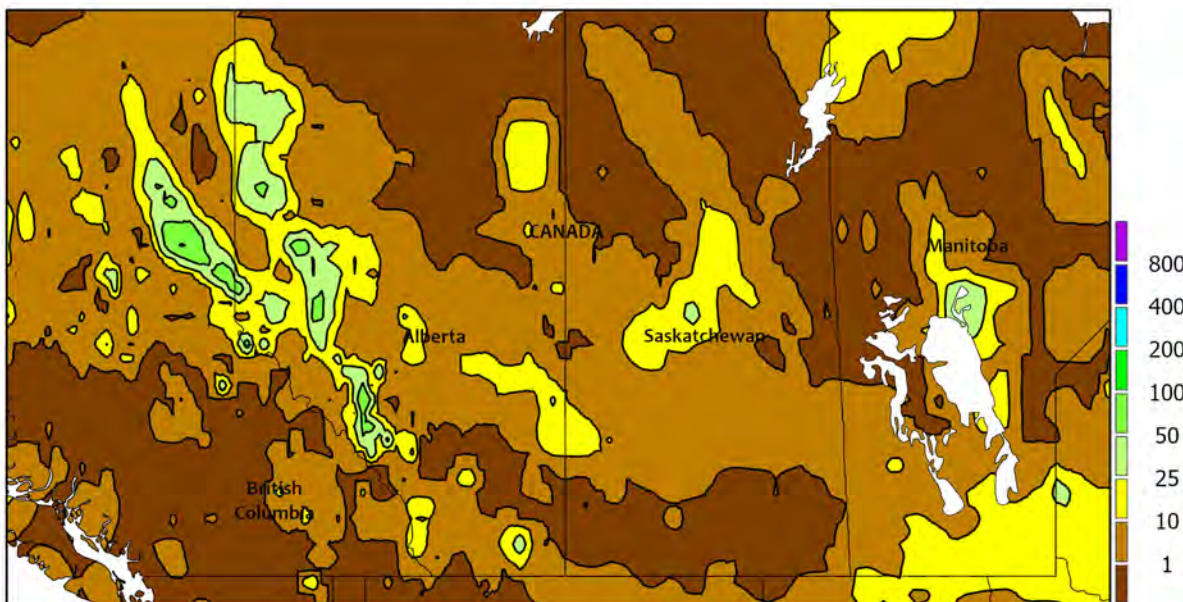
Widespread, locally heavy showers further improved prospects of rain-fed summer crops and those depending on irrigation. Much of southern and central Mexico recorded 25 to 100 mm, including key summer corn areas on the southern plateau (Jalisco to Puebla). Similar amounts were recorded in northwestern watersheds (notably Sinaloa, Durango, and sections of Sonora and Chihuahua) in the form of monsoon showers. In contrast, drier conditions prevailed in farming areas closest to the U.S. border, where highest daytime temperatures

locally reached 40°C. Following the late start to the rainy season, drought has dissipated significantly in a large section of the east; according to the Mexican Drought Monitor, farming areas in and around Veracruz were completely drought free as of July 15, compared with Extreme (D3) to Exceptional (D4) Drought plaguing the area on May 15. Similarly, reservoir levels have risen 5 percentage points over a comparable period (reaching 40 percent of capacity nationally on July 21, versus 35 percent on May 21), according to government reports.

CANADIAN PRAIRIES

Total Precipitation(mm)

July 14 - 20, 2024



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



CANADIAN PRAIRIES

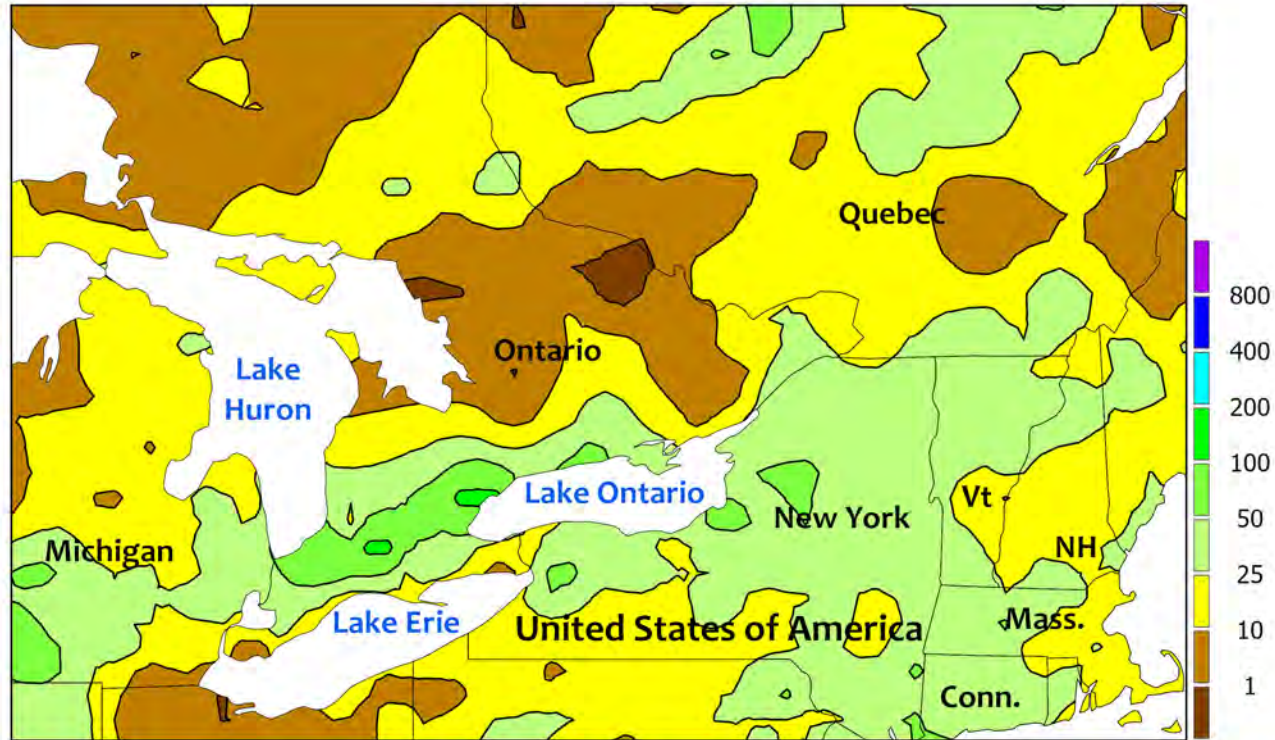
For a second week, warm, sunny weather maintained a more rapid pace of spring crop and pasture growth. Weekly average temperatures ranged from near normal in Manitoba to as much as 6°C above normal over large parts of Alberta, with daytime highs reaching the middle 30s (degrees C) in both Alberta and southwestern Saskatchewan. Widely scattered, generally light showers accompanied the warmth, with most locations recording below 10 mm. According to

the government of Alberta, the warmth and dryness resulted in visible crop stress during the week ending July 16, but overall crop condition was still favorable (73 percent in good to excellent condition versus the 5-year average of 61 percent). In Saskatchewan, a quicker pace of crop development was noted during the week ending July 15, although more than 25 percent of both spring grains and oilseeds were behind normal in development.

SOUTHEASTERN CANADA

Total Precipitation(mm)

July 14 - 20, 2024



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



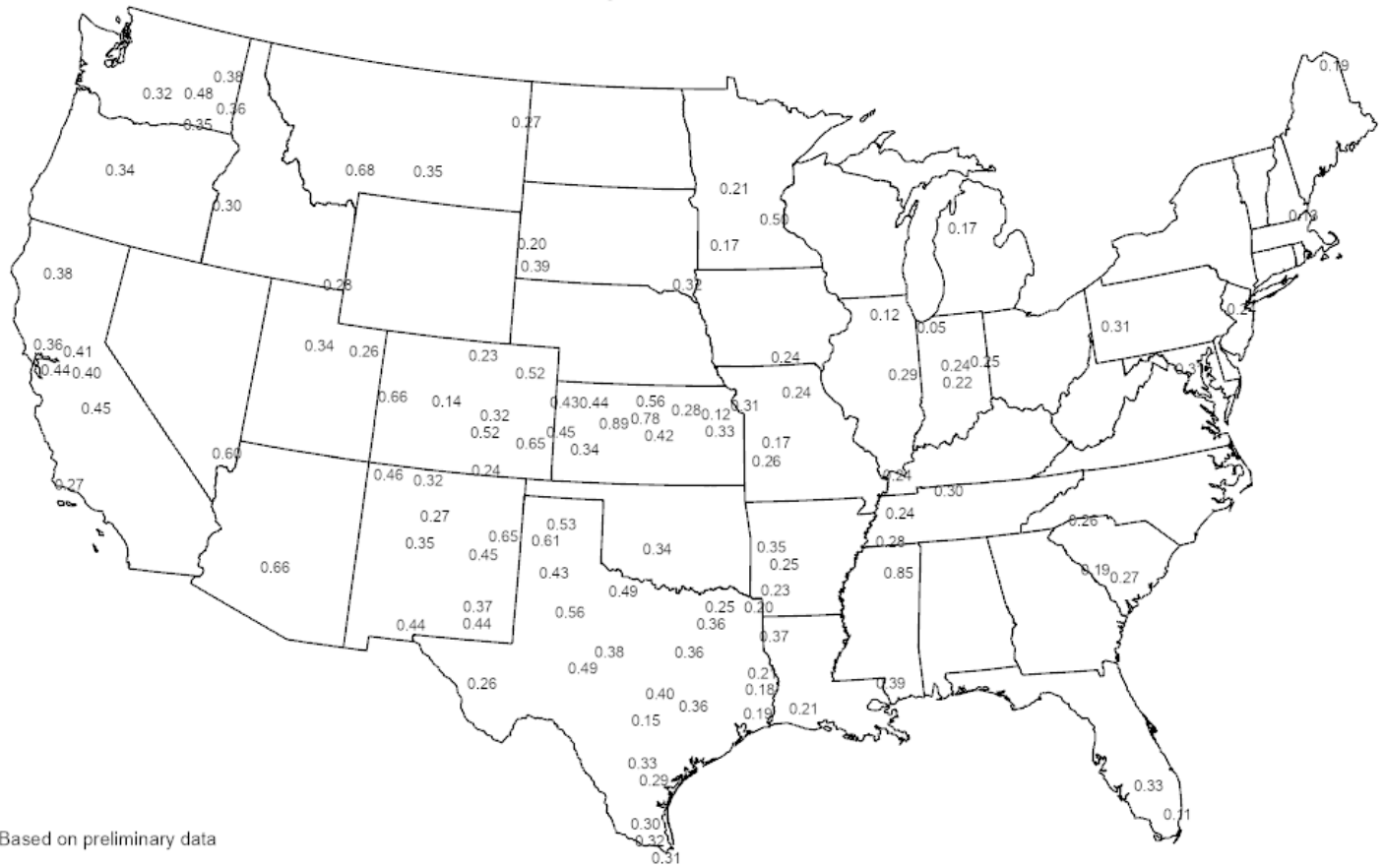
SOUTHEASTERN CANADA

Warm, showery weather continued across the region, maintaining overall favorable summer crop prospects. Most locations recorded at least 10 mm, with heavier rain (25-100 mm) concentrated over Ontario's southern agricultural districts. Weekly average temperatures ranged from near normal in Ontario to as much as 2°C above normal in Quebec. Highest daytime temperatures ranged from the upper 20s to lower 30s (degrees C) in all agricultural

districts, advancing development of summer crops and forage in the absence of stressful temperatures. Earlier-planted corn and soybeans are likely advancing through reproductive phases of development with at least adequate levels of moisture. According to the Canadian Drought Monitor, both Ontario and Quebec were free from drought as of June 30, and both provinces have recorded above-normal rainfall thus far in July.

Average Pan Evaporation (inches/day)

July 14 - 20, 2024



Based on preliminary data

USDA Agricultural Weather Assessments

Data obtained from the NWS Cooperative Observer Network.

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