

Highlights provided by USDA/WAOB

• ool but dry air settled across the **Midwest**, benefiting Corn and soybeans in areas with adequate soil moisture In the upper Midwest, however, ongoing reserves. dryness continued to stress summer crops, despite several days of cooler weather. Late in the week, stormy weather returned to portions of the Corn Belt, with the heaviest rain falling in Wisconsin and portions of neighboring states. Cool conditions also covered a broader area, with weekly temperatures averaging at least 5°F below normal in many locations from the southern Plains to the mid-

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(Continued from front cover)

Atlantic. Still, large sections of the Plains received little or no precipitation. Punishing drought persisted on the northern Plains, where hot weather lingered, while short-term dryness sapped topsoil moisture across the central and southern Plains. Meanwhile, rainfall associated with the Southwestern monsoon circulation waned, although scattered showers dotted the Rockies and Intermountain West. In the Far West, another round of extreme heat (temperatures more than 5°F above normal in parts of southern California and from Oregon and Washington into Montana) accompanied dry weather, aggravating an already serious drought situation and hampering wildfire containment efforts. Elsewhere, locally heavy showers dotted the Deep South, while heavy rain (locally 4 inches or more) fell along the Atlantic Seaboard as far north as



coastal New England. Late in the week, building heat across the **central and southern Plains** replaced an early-August cool spell.

In early August, unusually cool air settled across the Plains and Midwest. Daily-record lows for August 2 included 50°F in Sioux City, IA, and 54°F in Dodge City, KS. Childress, TX, posted consecutive daily-record lows (62 and 61°F, respectively) on August 3-4. Elsewhere in Texas, daily-record lows dipped to 59°F (on August 3) in Abilene; 58°F (on August 4) in Midland; and 54°F (on August 5) in Dalhart. Meanwhile, hot weather gripped the northern High Plains and the Northwest. Cut Bank, MT, started the new month with a daily-record high of 95°F on August 1. Later, impressive heat briefly returned across the Southwest, during a break in the monsoon. On August 2, Anaheim, CA, notched a daily-record high of 100°F. Consecutive daily-record highs occurred on August 3-4 in California locations such as Palm Springs (119 and 122°F) and Imperial (117 and 119°F). Palm Springs reached or exceeded the 120-degree mark for the fifth time this year-other occurrences were July 10 and June 15, 17, and 27-tying the annual record set in 2020. Thermal, CA, achieved a high of 122°F on the 4th, breaking by 1°F a monthly record originally set on August 5, 1997. Heat extended into the Great Basin, where Tonopah, NV, registered consecutive daily-record highs of 100°F on August 4-5. In Arizona, record-setting highs for August 4 soared to 117°F in Yuma and 107°F in Kingman.

As the week began, a few monsoon-related showers lingered across the **interior Northwest**. In **Idaho**, record-setting totals for August 1 reached 0.42 inch in **Pocatello** and 0.31 inch in **Stanley**. Daily-record amounts for August 2 included 0.49 inch in **Livingston**, **MT**, and 0.25 inch in **Idaho Falls**, **ID**. Meanwhile, locally heavy showers dotted the **South** and **East**, resulting in daily-record amounts in locations such as **Watertown**, **NY** (2.36 inches on August 1), and **Greenwood**, **MS** (1.58 inches on August 2). Soon, heavy rain developed along the **Atlantic Coast**.

Wilmington, NC, received 6.36 inches of rain during the first 7 days of the month, aided by a daily-record sum of 2.97 inches on August 3. Elsewhere in North Carolina, August 1-7 rainfall totaled 8.46 inches on Cape Hatteras, 7.92 inches in New Bern, 6.62 inches in Beaufort, and 5.99 inches in Elizabeth City. More than two-thirds of the rain on Cape Hatteras—5.73 inches—fell on August 4, representing the wettest day in that location since May 30, 2016, when 7.09 inches fell. In contrast, a 20-day (July 16 – August 4) spell without measurable rain in Cedar Rapids, IA, ended with a 0.28-inch total on August 5. Sioux City, IA, also experienced a 20-day (July 15 - August 3) streak without measurable rain, followed by a 0.76-inch total from August 4-7. At week's end, heavy rain erupted across Wisconsin and environs. On August 7, daily-record totals in Wisconsin included 3.81 inches in Eau Claire, 2.77 inches in Marshfield, and 2.25 inches in Wisconsin Rapids, while La Crosse (5.59 inches) observed its highest calendar-day total on record. Previously, the wettest day on record in La Crosse had been September 6, 1884, when 5.55 inches fell.

In Alaska, warmth boosted weekly temperatures as much as 10°F above normal, while precipitation was highly variable. Fairbanks logged consecutive daily-record highs (88 and 89°F, respectively) on August 2-3. Kotzebue achieved a high of 80°F on the 4th, tying a monthly record originally set on August 6, 1968. Meanwhile, Anchorage received no measurable rain from August 1-7 but collected 1.25 inches on August 8-the first day with more than an inch of precipitation in that location since August 22, 2016, and the wettest day since September 29, 2015. Farther south, August in Hawaii began as July had ended, with warm, mostly dry weather, except for a few heavier showers in windward locations. Kahului, Maui, received rainfall totaling 0.10 inch on August 3-4, ending a long-running spell without measurable precipitation at 74 days (May 21 – August 2). On the Big Island, Hilo received measurable rain each day from June 29 - August 6, a total of 39 days-but reported only a trace of rain on August 7.









Weekly Weather and Crop Bulletin

National Weather Data for Selected Cities

Weather Data for the Week Ending August 7, 2021

Data Provided by Climate Prediction Center

TEMPERATU					TUR	E	F	PRECIPITATION							RELATIVE HUMIDITY PERCENT		TEM	TEMP. °F		PRECIP	
S	AND TATIONS	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	68	54	76	50	61	2	0.00	-0.61	0.00	1.33	38	5.17	76	87	58	0	0	0	0	
	BARROW	49	40	59	35 57	44	4	0.00	-0.24	0.00	1.76	109	2.69	110	89	79	0	0	0	0	
	JUNEAU	68	56	77	57	62	4	1.00	-0.09	0.12	9.81	110	38.00	133	90	43 64	0	0	4	1	
	KODIAK	61	51	66	46	56	1	0.89	-0.12	0.74	10.68	90	43.73	101	93	72	0	0	3	1	
	NOME	62	51	79	46	57	5	1.00	0.27	0.63	8.41	218	12.81	158	91	69	0	0	4	1	
AL	BIRMINGHAM	87	71	89	66 62	79	-2	0.10	-0.88	0.09	17.14	167	44.94	131	89	55	0	0	2	0	
	MOBILE	85 91	00 72	87 95	62 69	76 81	-5 -1	0.89	0.36	0.64	15.88	1/1	42.04	124	95 97	50 54	0 5	0	2	2	
	MONTGOMERY	90	71	95	69	81	-1	1.92	0.95	1.39	13.87	135	33.41	99	94	51	4	0	3	1	
AR	FORT SMITH	90	71	93	69	81	-2	0.39	-0.24	0.39	11.19	136	31.27	114	90	49	2	0	1	0	
. 7	LITTLE ROCK	89	70	93	65	79	-4	0.08	-0.50	0.05	10.82	144	29.63	100	88	47	2	0	2	0	
AZ	PHOENIX	84 110	50 89	87 115	48 85	67 99	1	0.12	-0.64	0.12	6.39 1.87	170	2 70	120	87 43	23 18	0	0	1	0	
	PRESCOTT	91	63	95	61	77	3	0.01	-0.61	0.01	2.30	73	4.96	63	70	22	6	0	1	0	
	TUCSON	102	78	107	75	90	4	0.00	-0.58	0.00	6.19	202	7.20	114	68	24	7	0	0	0	
CA	BAKERSFIELD	101	73	106	68	87	3	0.00	0.00	0.00	0.00	0	1.97	44	39	11	7	0	0	0	
	FRESNO	102	53 70	07 107	51 65	57 86	-2	0.01	-0.02	0.01	0.00	001	13.79 5.11	วช 64	51	90 12	7	0	0	0	
	LOS ANGELES	73	63	78	62	68	-1	0.00	-0.01	0.00	0.11	77	3.31	37	91	61	0	0	0	0	
	REDDING	100	66	105	62	83	1	0.00	-0.02	0.00	0.01	1	9.19	44	49	11	6	0	0	0	
	SACRAMENTO	93 77	59 60	100	57 65	76	1	0.00	0.00	0.00	0.00	0	4.49	37	83	22	6	0	0	0	
	SAN DIEGO	70	57	80 74	65 55	64	0	0.00	-0.01	0.00	0.01	9	3.51 5.43	49 41	84 91	59 57	0	0	0	0	
	STOCKTON	92	58	97	55	75	-1	0.00	0.00	0.00	0.00	0	5.91	65	84	22	5	0	0	0	
со	ALAMOSA	82	46	88	43	64	0	0.03	-0.24	0.02	2.03	114	4.77	116	93	26	0	0	2	0	
	CO SPRINGS	84	58	96	56 57	71	1	0.04	-0.80	0.03	5.43	88	12.99	114	78	27	1	0	2	0	
	GRAND JUNCTION	92	63	96 100	57 56	74	0	0.00	-0.51	0.00	0.60	20 45	2.63	50	53	17	2	0	0	0	
	PUEBLO	89	60	100	55	75	0	1.76	1.20	1.74	6.33	158	13.50	156	86	26	4	0	2	1	
СТ	BRIDGEPORT	80	64	88	60	72	-3	0.03	-0.93	0.02	10.08	125	26.07	100	87	51	0	0	2	0	
DC		82	60 68	90	53 66	71	-3	0.07	-0.97	0.07	12.86	134	29.43	107	90	47	1	0	1	0	
DE	WILMINGTON	82	61	90	58	70	-4	0.30	-0.52	0.33	4.39	47	20.01	79	93	40	1	0	2	0	
FL	DAYTONA BEACH	91	74	93	74	83	1	4.96	3.63	1.27	17.27	133	27.50	98	95	60	5	0	6	4	
	JACKSONVILLE	88	73	93	71	80	-2	4.00	2.61	1.14	19.80	137	35.34	118	100	68	3	0	7	3	
	KEY WEST MIAMI	90 01	83 78	91 92	80 73	87	2	0.07	-0.97	0.07	10.17	116 105	15.80 29.53	81 88	78 01	59 61	3	0	1	0	
	ORLANDO	92	76	96	75	84	1	3.31	1.63	2.48	15.70	94	27.03	86	94	56	6	0	4	2	
	PENSACOLA	91	76	97	75	83	1	1.52	-0.19	0.55	22.08	140	50.95	128	95	62	4	0	7	1	
	TALLAHASSEE	90	73	96	71	82	0	0.51	-1.33	0.26	10.83	64	27.81	72	97	58	4	0	4	0	
	WEST PALM BEACH	89 91	75	93 93	76	83	0	2.42	0.73 3.41	2.16	22.04 16.66	142	23.32	68	87 92	60 60	4 5	0	4 6	3	
GA	ATHENS	89	69	93	66	79	-2	0.62	-0.27	0.40	10.93	114	29.44	102	88	49	3	0	3	0	
	ATLANTA	87	71	90	69	79	-1	1.45	0.57	1.43	13.72	135	33.51	108	88	47	1	0	3	1	
		89 89	70 71	97 94	65 68	80 80	-2	0.58	-0.47	0.35	15.38 9.64	151 102	35.34	128 100	93 91	53 49	3	0	4	0	
	MACON	90	70	96	66	80	-2	0.40	-0.50	0.38	12.23	122	29.06	100	96	54	3	0	3	0	
	SAVANNAH	87	73	95	71	80	-3	0.86	-0.63	0.44	15.06	115	29.92	102	97	65	2	0	5	0	
н		84 88	72 76	85 90	70 75	78 82	1	2.74	0.31	1.06	14.33	69 16	83.36 9.32	115 109	91 69	61 42	0	0	7 1	1	
	KAHULUI	87	73	88	71	80	0	0.11	-0.02	0.06	0.87	98	14.04	135	82	49	0	0	3	õ	
	LIHUE	87	78	88	77	82	3	0.05	-0.46	0.02	2.84	71	21.81	110	78	58	0	0	3	0	
IA	BURLINGTON	81	62	87	57	71	-5	0.01	-0.86	0.01	11.03	114	26.05	109	99 00	54	0	0	1	0	
	DES MOINES	82	56 63	87	51 58	70	-2 -3	0.30	-0.70	0.28	3.50 8.27	33 79	16.28	47 69	90 90	40 52	0	0	3 2	0	
	DUBUQUE	80	59	86	53	70	-1	0.01	-0.98	0.01	7.45	76	15.68	69	93	52	0	0	1	0	
	SIOUX CITY	83	60	88	50	72	-2	0.73	0.04	0.63	3.43	42	12.97	72	91	47	0	0	3	1	
п	BOISE	84 03	59 67	89 105	52 61	72 80	-1 3	0.39	-0.61	0.39	2.50	22 127	10.44	45 95	91 68	43 25	0	0	1	0	
	LEWISTON	95	71	102	66	83	7	0.00	-0.12	0.00	0.43	21	3.22	40	54	23	6	0	0	0	
	POCATELLO	87	56	96	46	71	0	0.13	0.00	0.10	0.15	8	5.06	66	85	29	2	0	2	0	
IL	CHICAGO/O_HARE	83	64	89	60	73	0	0.19	-0.94	0.19	8.65	105	14.69	69	85	43	0	0	1	0	
	PEORIA	84 83	63	89 88	55 58	73 73	-2 -2	0.01	-0.97	0.01	6.75 8.91	69 110	22.71	96 121	91 91	49 49	0	0	1	0	
	ROCKFORD	84	59	89	51	72	-1	0.01	-1.02	0.01	3.49	36	11.60	52	89	43	0	0	1	0	
	SPRINGFIELD	83	61	88	54	72	-3	0.00	-0.79	0.00	9.62	104	27.69	119	93	51	0	0	0	0	
IN	EVANSVILLE	86 82	61 57	89 85	57 53	73 60	-4	0.00	-0.66	0.00	6.31	75 124	24.34	85 103	92 95	40	0	0	0	0	
	INDIANAPOLIS	83	62	87	57	72	-3 -3	0.02	-0.73	0.02	13.76	143	24.00	103	85	44	0	0	1	0	
	SOUTH BEND	82	59	86	53	71	-2	1.17	0.30	1.17	13.21	152	23.98	107	89	45	0	0	1	1	
KS	CONCORDIA	90	63	98	56	77	-2	0.35	-0.39	0.35	5.17	59	15.40	82	83	35	4	0	1	0	
	GOODLAND	92 91	62 60	102 101	54 56	77 76	-3 0	0.70	0.04	0.63	3.69	53 32	12.83 11.19	88 82	90 86	29 26	4 4	0	2	1	
	ТОРЕКА	87	63	95	57	75	-4	0.32	-0.61	0.30	7.87	77	23.36	100	87	44	2	0	2	0	

Based on 1981-2010 normals

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AND STATIONS	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
WICHITA LEXINGTON LOUISVILLE PADUCAH BATON ROUGE LAKE CHARLES NEW ORLEANS SHREVEPORT BOSTON WORCESTER BALTIMORE CARIBOU PORTLAND ALPENA GRAND RAPIDS HOUGHTON LAKE LANSING MUSKEGON TRAVERSE CITY DULUTH INT_L FALLS MINNEAPOLIS ROCHESTER ST. CLOUD COLUMBIA KANSAS CITY SAINT LOUIS SPRINGFIELD JACKSON MERIDIAN TUPELO BILLINGS BUTTE CUT BANK GLASGOW GREAT FALLS HAVRE	91 84 88 86 88 92 92 81 76 84 77 77 80 79 83 80 79 83 80 79 83 80 78 80 82 79 83 85 87 86 84 89 87 88 89 87 83 85 87 86 84 89 92 92 92 83 80 92 92 83 80 79 83 80 78 80 82 79 83 80 80 80 82 79 83 80 82 79 83 80 80 80 83 80 80 82 83 80 83 80 82 83 85 85 87 80 82 83 85 87 83 85 87 80 82 83 80 82 83 85 87 83 80 82 83 80 82 83 85 83 80 82 83 83 85 87 83 85 87 83 85 87 83 80 82 83 85 87 83 80 82 83 83 85 83 80 83 83 85 83 83 85 83 83 85 83 83 83 83 83 85 83 83 83 83 83 83 83 83 83 83 83 83 83	$\begin{array}{c} 64\\ 59\\ 66\\ 62\\ 70\\ 74\\ 76\\ 73\\ 66\\ 60\\ 58\\ 56\\ 58\\ 56\\ 58\\ 54\\ 58\\ 59\\ 56\\ 65\\ 59\\ 57\\ 64\\ 65\\ 70\\ 68\\ 64\\ 51\\ 58\\ 65\\ 70\\ 68\\ 64\\ 51\\ 58\\ 65\\ 61\\ 64\\ \end{array}$	 99 87 91 89 91 93 97 98 92 84 92 85 84 83 89 83 87 80 86 83 87 90 86 83 87 91 97 93 89 96 93 96 98 99 98 99 	$\begin{array}{c} 59\\ 54\\ 62\\ 58\\ 66\\ 972\\ 68\\ 62\\ 55\\ 60\\ 47\\ 53\\ 52\\ 53\\ 47\\ 51\\ 54\\ 50\\ 62\\ 53\\ 50\\ 60\\ 61\\ 63\\ 64\\ 65\\ 64\\ 63\\ 44\\ 51\\ 61\\ 50\\ 58\\ \end{array}$	78 71 77 74 79 82 84 82 73 66 68 68 68 66 66 66 71 70 71 69 68 74 69 68 74 70 74 76 77 74 80 78 77 73 79 67 73 79 76 73 73 73 73 73 73 73 73 73 73 73 73 73	4 5 3 5 4 1 0 1 0 2 3 1 1 1 3 0 0 1 2 3 3 1 0 0 3 2 3 4 2 3 4 3 7 6 8 7	0.74 0.24 0.00 0.00 2.98 1.83 0.62 1.99 0.25 1.36 0.28 0.25 0.19 0.48 0.01 0.21 0.24 0.22 1.25 0.66 0.29 0.00 0.01 0.00 0.01 0.00 0.01 0.02 0.68 0.42 0.22 1.25 0.66 0.29 0.00 0.01 0.00 0.01 0.05 0.42 0.29 0.00 0.01 0.05 0.42 0.25 0.42 0.65 0.42 0.25 0.42 0.42 0.43 0.42 0.44 0.44 0.44 0.44 0.44 0.44 0.44	-0.03 -0.03 -0.59 -0.83 -0.70 1.41 -0.50 0.44 -0.06 1.14 -0.69 0.56 -0.64 -0.19 -0.48 -0.31 -0.77 -0.50 0.07 -0.31 -0.77 -0.50 0.07 -0.37 -0.37 -0.37 -0.36 -0.36 -0.40 0.20 -0.36 -0.57 -0.25 -0.57 -0.25 -0.57 -0.25 -0.57 -0.25 -0.57 -0.25 -0.57 -0.57 -0.57 -0.57 -0.57 -0.57 -0.50 -0.77 -0.50 -0.73 -0.73 -0.73 -0.57 -0.50 -0.57 -0.50 -	0.70 0.24 0.00 0.00 2.00 0.47 0.99 0.34 1.18 0.15 1.36 0.16 0.55 0.12 0.26 0.01 0.17 0.51 0.26 0.01 0.17 0.52 0.26 0.01 0.44 0.39 0.22 0.84 0.63 0.27 0.00 0.01 0.00 0.01 0.00 0.12 0.84 0.37 1.31 0.63 0.12 0.00 0.02		88 117 104 107 155 128 87 174 165 91 77 133 128 87 174 162 111 142 184 16 16	20.68 33.07 30.15 32.83 57.72 49.27 61.03 34.05 29.92 32.10 23.91 19.22 23.92 15.79 21.26 14.13 17.34 17.69 14.04 14.70 12.81 36.53 26.68 26.88 34.17 38.79 48.22 52.66 5.52 3.88 2.96 3.01	97 113 104 107 162 142 153 106 114 112 94 88 87 97 97 86 93 99 97 86 93 99 87 74 52 74 52 74 52 74 50 105 125 113 133 155 57 43 37 36 74 59	88 94 81 90 100 98 86 82 91 88 86 82 90 89 97 95 92 90 89 97 95 92 90 89 91 83 95 93 86 80 94 35 95 86 80 94 35 95 93 86 80 97 95 97 97 97 97 97 97 97 97 97 97 97 97 97	$\begin{array}{c} 37\\ 44\\ 37\\ 42\\ 61\\ 55\\ 45\\ 50\\ 54\\ 7\\ 50\\ 58\\ 49\\ 53\\ 48\\ 45\\ 58\\ 46\\ 45\\ 3\\ 50\\ 55\\ 47\\ 26\\ 22\\ 18\\ 20\\ \end{array}$	3 0 1 0 2 6 5 6 1 0 1 0 0 0 0 0 0 0 0 1 0 0 0 1 2 1 0 2 2 4 5 0 2 5 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MISSOULA ASHEVILLE CHARLOTTE	89 80 86	60 63 66	98 84 93	52 57 62	75 71 76	5 -3 -2	0.34 0.26 0.24	0.11 -0.74 -0.76	0.28 0.23 0.15	1.25 11.46 8.72	37 114 103	6.19 33.31 25.39	67 118 100	87 94 92	30 53 47	3 0 1	0

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23.91

-5

-1

-2

-2

-3

-5

-1

-5

-1

-1

-3

-3

Based on 1981-2010	normal	s				
MANSFIELD	83	59	87	55	71	0
DAYTON	83	60	87	55	71	-2
COLUMBUS	64	01	0/	20	13	-2

*** Not Available

S

KΥ

LA

MA

MD

ME

MI

MN

МО

MS

МТ

NC

ND

NF

NH

NJ

NM

NV

NY

OH

GREENSBORO

HATTERAS

WII MINGTON

BISMARCK

DICKINSON

GRAND FORKS

GRAND ISLAND

NORTH PLATTE

SCOTTSBLUFF

ATLANTIC_CITY

ALBUQUERQUE

VALENTINE

CONCORD

NEWARK

LAS VEGAS

WINNEMUCCA

BINGHAMTON

ROCHESTER

AKRON-CANTON

SYRACUSE

CINCINNATI

CLEVELAND

ELY

RENO

AI BANY

BUFFALO

JAMESTOWN

FARGO

LINCOLN

NORFOLK

OMAHA

RALEIGH

August 10, 2021

Weekly Weather and Crop Bulletin

Weather Data for the Week Ending	August 7,	2021
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													RELATIVE		VE NUMBER OF		OF D	AYS		
	STATES	1	EMF	PERA	TUR	E°	F			PRE		TION			HUMIDITY PERCENT		тем	P. °F	PRE	CIP
S	AND TATIONS	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
	TOLEDO	84	59	87	55	72	-1	0.00	-0.77	0.00	9.71	129	21.66	104	86	37	0	0	0	0
ок	YOUNGSTOWN OKLAHOMA CITY	82 87	55 67	87 94	50 65	69 77	-2 -6	0.16	-0.61 0.10	0.16 0.79	11.11 10.27	123 119	22.77 20.92	96 93	94 87	42 45	0 2	0	1 2	0
on	TULSA	91	67	97	63	79	-5	0.09	-0.54	0.09	11.88	136	27.09	107	91	42	3	0	1	0
OR	ASTORIA	68	56	74	55	62	1	0.32	0.15	0.22	2.44	65	38.06	102	98	73	0	0	3	0
	BURNS	93	56	99	51	74	7	0.01	-0.08	0.01	0.55	42	5.64	82	74	15	5	0	1	0
	MEDFORD	90 95	65	95 102	57 57	75 80	4	0.00	-0.08	0.00	0.91	74 86	6.36	56 64	64 73	30 20	5 6	0	0	0
	PENDLETON	94	68	104	65	81	7	0.01	-0.07	0.01	0.33	23	4.25	54	63	23	6	0	1	0
	PORTLAND	88	64	96	61	76	5	0.03	-0.07	0.03	1.26	51	14.61	73	78	40	3	0	1	0
PA	SALEM ALLENTOWN	91 81	62 57	97 89	61 52	76 69	8 -4	0.00	-0.06	0.00	1.72	81 70	19.03 21.27	87 78	73 94	34 45	4	0	0	0
17	ERIE	80	62	88	56	71	-1	0.83	0.02	0.83	10.10	125	21.89	95	82	48	0	0	1	1
	MIDDLETOWN	83	63	91	60	73	-2	0.76	-0.02	0.76	10.46	116	24.41	100	83	43	1	0	1	1
		83 82	65 50	90 86	61 56	74	-4	0.42	-0.41	0.31	9.74	113	26.09	103	86 00	44	1	0	2	0
	WILKES-BARRE	81	58	89	50 52	69	-2 -2	0.13	-0.52	0.08	7.12	79 91	20.15	95	90 89	42	0	0	1	0
	WILLIAMSPORT	83	58	88	53	70	-2	0.40	-0.54	0.40	10.51	114	23.49	97	91	43	0	0	1	0
RI	PROVIDENCE	80	62	89	55	71	-3	2.39	1.55	1.39	12.13	156	29.01	104	95	54	0	0	2	2
SC	CHARLESTON	85 86	71	95 97	68 68	78 79	-4 -3	2.97	-0.43	1.67	17.79	92	33.86 29.09	113	97 91	69 55	2	0	5	2
	FLORENCE	86	73	96	70	79	-2	3.04	1.77	1.48	14.29	128	30.96	117	89	61	2	0	5	3
	GREENVILLE	85	65	91	62	75	-5	0.55	-0.53	0.31	10.15	107	30.53	106	90	48	2	0	2	0
SD		85 86	56 60	89 03	50 53	71	0	0.29	-0.26	0.28	2.43	33	7.84	54 53	89 06	40	0	0	2	0
	RAPID CITY	91	57	93 94	53 54	74	1	0.12	-0.32	0.12	5.00 5.11	106	9.47	81	90 81	22	4	0	3	0
	SIOUX FALLS	83	63	88	56	73	1	1.65	0.94	1.50	7.27	94	15.05	88	83	49	0	0	3	1
TN	BRISTOL	84	63	89	59	73	-1	1.58	0.67	1.23	9.23	97	28.00	104	93	45	0	0	2	1
	CHATTANOOGA KNOXVILLE	87 86	69 66	89 89	66 63	78 76	-2 -3	1.26	0.37	1.26 0.54	10.70 5.13	108 52	35.45 25.82	108 82	88 95	44 47	0	0	1	1 1
	MEMPHIS	88	71	92	68	80	-3	0.00	-0.80	0.00	10.18	112	36.63	109	82	46	1	0	0	0
	NASHVILLE	87	66	89	62	76	-3	0.28	-0.48	0.27	11.15	130	37.47	125	86	43	0	0	2	0
ТΧ	ABILENE	92 88	69 63	99 08	59 57	81 76	-3	0.06	-0.48	0.05	3.57	59 56	15.84	106	82 82	34 34	5	0	2	0
	AUSTIN	92	63 76	98 101	57 74	76 84	-2 -2	0.68	-0.69	0.06	3.80 7.19	108	22.06	93 109	82 89	50	3 5	0	2	1
	BEAUMONT	91	74	94	71	83	-1	1.93	0.75	1.51	17.74	124	42.19	120	100	59	6	0	3	1
	BROWNSVILLE	97	79	98	77	88	2	0.28	-0.12	0.28	10.77	216	17.51	137	88	46	7	0	1	0
		93	75 77	95 105	74 75	84 86	-1 0	0.97	0.56	0.67	14.15 4.77	217	29.51	175 94	100 86	60 43	6	0	4	1
	EL PASO	94	71	100	68	83	1	0.15	-0.39	0.10	7.26	239	8.40	167	59	27	6	0	3	0
	FORT WORTH	93	74	100	73	84	-3	1.99	1.61	1.69	5.16	80	22.80	101	87	42	6	0	2	1
	GALVESTON	90 04	80 77	94 08	76 75	85 86	0	1.84	0.00	0.77	15.21	0	26.72	0	84 80	62 47	3	0	5	2
	LUBBOCK	90	66	96	57	78	-2	0.03	-0.31	0.02	5.38	100	14.84	128	77	30	3	0	1	0
	MIDLAND	88	66	97	58	77	-5	0.46	0.05	0.43	7.65	190	13.05	156	93	34	2	0	2	0
	SAN ANGELO	93	67	99	61	80	-3	0.43	0.05	0.26	8.94	214	14.15	115	89	32	6	0	2	0
	VICTORIA	92 93	74	97 97	72	85	-2	2.17	0.28	0.37	19.14	98 207	21.76 46.09	113	93 93	53	5 7	0	4	2
	WACO	93	73	97	69	83	-3	0.30	-0.10	0.22	7.45	132	20.66	100	91	49	6	0	2	0
	WICHITA FALLS	91	69	97	64	80	-6	1.15	0.64	1.15	6.14	98	18.00	101	94	42	4	0	1	1
VA		90 85	62	101 91	62 59	78 74	-1 -1	0.55	-0.33	0.35	1.15	65 92	7.53 23.70	75 93	67 89	43	4	0	2	0
•	NORFOLK	78	68	82	64	73	-6	4.35	2.99	2.27	10.84	100	27.64	99	99	68	0	0	4	3
	RICHMOND	82	66	87	62	74	-5	2.52	1.35	1.73	13.14	136	29.20	110	95	58	0	0	2	2
	ROANOKE WASH/DUILES	86 83	65 60	89 90	61 57	76	-1 -5	0.01	-0.81	0.01	7.35	84 79	22.51	89 79	82 03	37 48	0	0	1	0
VT	BURLINGTON	81	59	88	53	70	0	1.15	0.18	0.82	7.62	86	17.19	81	93	44	0	0	3	1
WA	OLYMPIA	82	56	91	52	69	4	0.00	-0.11	0.00	3.24	127	28.08	104	95	44	1	0	0	0
	QUILLAYUTE	69	54 60	74	50	62	2	0.53	0.13	0.49	3.14	53	43.41	79	100	67	0	0	2	0
	SPOKANE	89	67	96	61	78	6	0.08	-0.03	0.08	0.59	28	4.80	49	69 64	27	3	0	1	0
	YAKIMA	94	66	100	57	80	8	0.02	-0.03	0.02	0.20	21	2.73	58	68	24	5	0	1	0
WI	EAU CLAIRE	78	59	85	51	69	-2	0.00	-1.05	0.00	7.49	82	13.92	74	93	54	0	0	0	0
	GREEN BAY	80 81	59 64	85 86	56 56	70 73	1 0	0.50 5,76	-0.27 4,75	0.50 5.59	9.55 16.27	117 168	15.99 25.46	90 123	93 91	54 52	0	0	1 2	1 1
	MADISON	81	59	86	52	70	Ő	0.98	0.02	0.97	7.13	73	14.10	65	93	45	õ	õ	2	1
	MILWAUKEE	82	64	88	59	73	1	0.08	-0.83	0.08	2.67	31	9.99	47	83	50	0	0	1	0
WV	BECKLEY	79 85	60 61	85	57 57	69 72	-1 2	0.31	-0.69	0.28	8.06	80 62	25.42	93 77	94	49	0	0	3	0
	ELKINS	80	55	90 86	52	73 68	-2 -2	0.31	-0.04 -0.81	0.24	0.49 7.73	03 71	21.92	74	99 93	42 41	0	0	4 3	0
	HUNTINGTON	83	63	86	60	73	-3	0.03	-0.85	0.03	14.46	155	31.40	114	96	47	0	0	1	0
WY	CASPER	86	54	93	50	70	-1	0.57	0.31	0.51	4.33	131	9.86	115	84	23	1	0	2	1
		83 85	56 56	90 92	52 52	69 70	-2	0.17 0.01	-0.38	0.13	3.29 1.98	65 86	9.00	80 111	// 75	25 25	1	0	う 1	0
	SHERIDAN	89	56	97	53	73	1	0.36	0.18	0.18	1.22	35	8.28	87	78	24	4	õ	3	õ

Based on 1981-2010 normals

*** Not Available

July Weather Summary

Weather

Weather summary provided by USDA/WAOB

Highlights: During July, the country was evenly split between hot weather across the North and West and relatively cool conditions in the South and East. In fact, it was the hottest July (and month) on record in numerous Western communities, including Lewiston, ID; Medford, OR; Salt Lake City, UT; and Spokane, WA. Northwestern heat hastened crop maturation and promoted small grain harvest efforts, but left rangeland, pastures, and immature summer crops in terrible condition. By August 1, Washington led the nation in rangeland and pastures rated very poor to poor (96 percent; tied with Montana), along with spring wheat (90 percent). Northern California and the Northwest also contended with dozens of wildfires, which swept across hundreds of thousands of acres of varying landscapes and broadly degraded air quality.

Meanwhile, a robust Southwestern monsoon circulation provided some drought relief in the Four Corners States and neighboring regions, but barely dented longer-term impacts such as subsoil moisture depletion and low reservoir levels. However, the benefits of Southwestern rainfall included reducing the wildfire threat and improving vegetation health, albeit gradually. In some cases, however, high Southwestern precipitation rates led to flash flooding and landslides, especially in areas where hillsides had been scarred or denuded by recent fires.

Farther east, punishing drought persisted across the northern Plains and far upper Midwest, leading to significant stress on rangeland, pastures, winter wheat, and spring-sown crops. By August 1, rangeland and pastures were rated more than three-quarters very poor to poor, ranging from 77 to 96 percent, in Minnesota, Montana, and the Dakotas. On the same date, North Dakota led the nation—among major production states—in very poor to poor ratings for oats (55 percent; tied with South Dakota), soybeans (45 percent), corn (44 percent), while Montana led for barley (79 percent).

Summer crops in the heart of the Midwest fared better, benefiting from abundant rainfall (through mid-July) and mostly moderate temperatures. Although large sections of the Midwest experienced a late-July drying trend, crops in much of the central and eastern Corn Belt were able to draw on plentiful soil moisture reserves. Southern crops also generally fared well amid widespread showers and near- to below-normal temperatures, with good to excellent ratings noted on August 1 for 73 percent of the U.S. peanuts, 72 percent of the rice, and 60 percent of the cotton.

Elsewhere, cool, rainy weather eased or eradicated Northeastern drought, while hotter, drier weather developed

late in the month across the central and southern Plains. Most of the central and southern Plains' crops were able to withstand the short-term dryness by tapping into soil moisture reserves, although pockets of triple-digit temperatures (100°F or greater) arrived late in the month.

During the 5-week period ending August 3, drought coverage in the contiguous U.S. decreased slightly (from 47 to 46 percent), mostly on the strength of improving conditions from the Great Lakes region into the Northeast. However, any improvement was generally offset by worsening drought conditions in California, the Northwest, and portions of the northern Plains and far upper Midwest. In fact, drought coverage in the 11-state Western region increased during July from 88 to 90 percent. However, due to monsoon-related Southwestern rainfall, Western coverage of exceptional drought (D4) fell slightly between June 29 and August 3, from 24 to 22 percent.





Historical Perspective: According to preliminary data provided by the National Centers for Environmental Information, the contiguous U.S. experienced its 13th-hottest,

sixth-wettest July during the 127-year period of record. The nation's monthly average temperature of 75.5°F was 1.9°F above the 20th-century mean, while precipitation averaged 3.36 inches—121 percent of normal. Among recent years, July 2021 was marginally wetter than July 2010 (3.32 inches) and July 2013 (3.34 inches). Going farther back, only July 1905, 1915, 1950, 1958, and 1992 were wetter than 2021.

State temperature rankings ranged from the 21st-coolest July in Texas to the hottest on record in Nevada and the Pacific Coast States (figure 1). California's hottest July on record (monthly average temperature of 80.0° F) followed its hottestever June (75.1°F); the previous record for any month had been 79.6°F in July 2018. July 2021 average temperature records in Nevada (77.6°F), Oregon (71.6°F), and Washington (70.1°F) were 5 to 7°F above normal, eclipsing standards that had been set in 1931, 2003, and 1906, respectively. Top-five values for July heat were achieved in five additional states: Idaho, Montana, North Dakota, Utah, and Wyoming.

Meanwhile, state precipitation rankings ranged from the second-driest July in Minnesota to the wettest on record in Massachusetts and New York (figure 2). Top-ten values for July dryness were also noted in North Dakota and Washington, while top-ten values for wetness were observed in Arizona, Mississippi, New Jersey, Pennsylvania, Texas, and all New England States except Maine.

Summary: In early July, remnants of the record-setting Northwestern heat wave spread across the northern Plains. For example, Glasgow, MT, posted consecutive, triple-digit, daily-record highs (102 and 101°F, respectively) on July 1-2. (Glasgow went on to record 12 days of triple-digit heat during the month, second only to 17 days in July 1936.) Other triple-digit, daily-record highs included 102°F (on July 2) in Havre, MT, and 107°F (on July 3) in Bismarck, ND. For Bismarck, it was the hottest day since July 30, 2006, when the high reached 112°F. In contrast, cool air settled across the mid-South and environs in early July. By July 3, daily-record lows dipped to 52°F in Crossville, TN, and 53°F in Lexington, KY. Several days later, another batch of cool air settling across the Midwest resulted in consecutive dailyrecord lows on July 8-9 in Hibbing, MN (34 and 36°F, respectively), and Ashland, WI (36 and 37°F). Meanwhile, heat retreated into the West for several days. From July 7-10, Ely, NV, logged four consecutive daily-record highs, registering highs of 98°F each days Record-setting temperatures briefly extended across the interior Northwest, where Boise, ID, tallied a daily-record high of 107°F on July 6. Later, Western heat greatly intensified, with Death Valley, CA, reporting a high of 130°F on July 9. Besides a high temperature of 130°F on August 16, 2020, the only other occurrences of readings of 130°F or higher in Death Valley were three controversial readings in 1913 (on July 10, 12, and 13). On July 10, all-time high temperature records were tied with readings of 118°F in Barstow-Daggett, CA, and 117°F in Las Vegas, NV. On the same date in Utah, St. George (117°F) tied its own state record, based on preliminary reporting. All-time records were broken on July 10 in Bishop, CA (111°F; previously, 110°F on July 10, 2002), and Winslow, AZ (110°F; previously, 109°F on July 13, 1971).

As the month began, rainfall records for July 1 were established in Kentucky locations such as Louisville (2.92 inches) and Lexington (2.46 inches). With 3.04 inches, Blacksburg, VA, also netted a record-setting total for July 1. By July 2, Newark, NJ (1.53 inches, including some hail), and Watertown, NY (1.07 inches), collected daily-record amounts. In Maine, it was the wettest Independence Day on record in locations such as Bangor (2.00 inches) and Augusta (1.18 inches). Dalhart, TX, also experienced its wettest July 4 on record, with 1.85 inches. Meanwhile, hail was reported on July 4 in Colorado Springs, CO. Later, some beneficial showers developed across the North. On July 5, recordsetting totals included 0.69 inch in Rapid City, SD, and 0.62 inch in Casper, WY. However, some of the Northern showers were accompanied by severe weather; in Lewistown, MT, a July-record thunderstorm wind gust to 73 mph was clocked on the 7th. Lewistown's previous monthly record had been 72 mph on July 14, 2002.

Elsa, the earliest fifth named tropical cyclone in Atlantic Basin history, produced heavy rain and gusty winds in parts of Florida before soaking the Atlantic Seaboard. Briefly a hurricane twice during its life cycle, Elsa crossed Cuba on July 5 and passed west of the Florida Keys on July 6. As a tropical storm, Elsa made landfall on the Gulf Coast in Taylor County, FL, on July 7, later moving roughly parallel to the Atlantic Coast. (Elsa made the transition to a posttropical cyclone on July 9 along the northern Atlantic Coast.) Concurrently, a disturbance unrelated to Elsa dumped heavy rain in southern and coastal Texas. July 6 featured dailyrecord totals in Key West, FL (3.67 inches), and Galveston, TX (2.24 inches). The following day, record-setting rainfall totals for July 7 included 4.67 inches in Gainesville, FL; 4.63 inches in McAllen, TX; and 4.43 inches on St. Simons Island, GA. In Texas, July 1-10 rainfall included 9.10 inches in Victoria and 8.48 inches in Corpus Christi. Unofficially, 19.60 inches fell from July 5-9 in Rockport, TX. Near Refugio, TX, Copano Creek crested on July 9 at 7.17 feet above flood stage, second only to the high-water mark (9.00 feet above flood stage) of September 12, 1971. The Mission River in Refugio (8.24 feet above flood stage on July 11) achieved its highest crest since July 1990. Back in Florida, the core of Elsa passed close enough to the Florida Keys on July 6 to generate a wind gust to 70 mph in Key West. Two days later, the remnants of Elsa resulted in daily-record amounts for July 8 in Raleigh-Durham, NC (2.52 inches); Georgetown, DE (2.45 inches); Florence, SC (2.30 inches); and New York's Central Park (2.27 inches). On July 9, Central Park reported another daily-record sum (2.06 inches). Other daily-record totals exceeding 2 inches on the 9th included 4.15 inches in Bridgeport, CT; 3.48 inches in Bangor, ME; and 2.47 inches in Worcester, MA.

Across the South, East, and lower Midwest, abundant rain fell as the middle of the month approached. Batesville, AR (2.42 inches), collected a record-setting total for July 9, followed the next day by a 3.76-inch deluge in Lamoni, IA. Record-setting totals for July 11 included 2.17 inches in

Harrisburg, PA, and 1.92 inches in San Angelo, TX. In Louisiana, daily-record amounts reached 1.44 inches (on July 11) in Shreveport and 1.03 inches (on July 12) in New Southern showers continued for several days; Orleans. additional daily records totaled 2.96 inches (on July 13) in Lufkin, TX, and 1.86 inches (on July 14) in Asheville, NC. Meanwhile, a robust Southwestern monsoon circulation led to widespread thundershowers in drought-affected areas. Marysvale, UT, netted 0.55 inch in a 24-hour period on July 13-14. A day after tying its highest-ever temperature (117°F on July 10), Las Vegas, NV, received rainfall totaling 0.10 inch. It was the wettest day in Las Vegas since March 12, as only 0.03 inch had fallen in the 120-day period from March 13 to July 10. On July 15, monsoon-related daily-record totals included 1.14 inches in Kingman, AZ, and 0.49 inch in Eureka, NV. Farther east, showers and thunderstorms swept across the Midwest and environs. Chanute, KS, measured a daily-record sum of 3.02 inches on July 15. The following day, record-setting totals for the 16th reached 2.72 inches in Fort Wayne, IN, and 2.20 inches in Detroit, MI. On July 17, daily-record totals topped the 2-inch mark in Rochester, NY (3.03 inches); Greenville, MS (2.99 inches); and Poughkeepsie, NY (2.15 inches).

In mid-July, extreme heat gradually shifted away from the Southwest due to increasing cloud cover and precipitation intensity. In Nevada, however, Desert Rock attained 114°F on July 11, breaking by 1°F an all-time temperature record previously set on June 30, 2013; July 3, 2013; and July 10, 2021. In California, daily-record highs topped the 110degree mark on July 11 in Central Valley locations such as Fresno (114°F), Hanford (112°F), and Bakersfield (111°F). From July 7-12, Tonopah, NV, collected six consecutive daily-record highs (102, 102, 104, 104, 105, and 104°F). Later, heat shifted northward, resulting in daily-record highs in Burns, OR (98°F on July 14), and Billings, MT (101°F on July 17). Meanwhile, cooler air pushed inland from coastal California; daily record-tying lows dipped to 54°F (on July 15) in Sacramento and 53°F (on July 16) in Stockton. Although relatively cool conditions prevailed in mid-July across the central and southern Plains, Midwest, and South, hot weather lingered in Florida. On July 16-17, Tampa, FL, notched consecutive daily record-tying highs (97 and 96°F, respectively).

By July 18, Western heat pushed temperatures to daily-record levels in locations such as Salt Lake City, UT (104°F), and Helena, MT (102°F). The following day, on July 19, Glasgow, MT, experienced its hottest day since 1936. In fact, Glasgow's high of 110°F was the third-highest temperature (tied with June 17, 1933) on record in that location, behind only 113°F on July 31, 1900, and 112°F on July 18, 1936. Elsewhere in Montana, record-setting highs for July 19 soared to 107°F in Billings and 102°F in Livingston. On the same date in Wyoming, daily-record highs surged to 107°F in Greybull, 106°F in Worland, and 104°F in Sheridan. Eventually, record-setting heat retreated southward. In Florida, however, daily-record highs for July 22 reached 97°F in Orlando and Fort Myers. New Orleans, LA, notched a daily record-tying high (98°F) for July 24. Later, hot weather again shifted toward the northern Plains

and environs. On July 23, daily records were tied in International Falls, MN (92°F), and at the National Weather Service office in Grand Forks, ND (97°F). Drought in Montana resulted in large diurnal temperature variations; in Havre, for example, a daily-record low of 43°F occurred on July 23, in the midst of a string of 14 consecutive days (July 14-27) with highs of 90°F or greater.

Widespread Midwestern rainfall abrupted ended in mid-July. However, any crop concerns related to short-term dryness were slow to emerge across the previously well-watered southern and eastern Corn Belt. Drier areas of the upper Midwest were not as fortunate, as corn and soybeans were already experiencing stress by the middle of the month. Showers were ending across the Midwest and spreading into other regions by July 18, when record-setting rainfall totals included 3.10 inches in Cape Girardeau, MO; 2.77 inches in Jackson, TN; and 1.84 inches in Concord, NH. Worcester, MA, also netted a daily-record amount (1.74 inches) for July 18, helping to set a July rainfall record. Worcester's monthly total of 13.85 inches easily eclipsed the July 1938 record of 11.41 inches. Other record-setting Northeastern monthly totals included Binghamton, NY (9.82 inches), and Bangor, ME (7.67 inches). Farther south, daily-record totals for July 19 topped the 2-inch mark in Tyler, TX (3.53 inches); El Dorado, AR (3.01 inches); North Myrtle Beach, SC (2.40 inches), and Huntsville, AL (2.30 inches). Alma, GA, recorded thunderstorm-related wind gusts to 43 mph on consecutive days, July 18 and 19, matching the peak gust that had occurred with Tropical Storm Elsa on July 7. Meanwhile, spotty but highly beneficial showers developed across the Northwest, where daily-record totals for July 20 reached 1.48 inches in Choteau, MT, and 1.19 inches in Laramie, WY. Organized rain fell, however, in the Southwest. At Utah's Capitol Reef National Park, 1.07 inches fell in a 24-hour period on July 20-21. Elsewhere in Utah, Bryce Canyon Airport collected 1.53 inches in 24 hours on July 22-23. In Arizona, Tucson received 6.30 inches in a 9-day period from July 22-30, easily topping its record-low 2020 annual sum of 4.17 inches. Farther north, thunderstorms ripped through the Great Lakes region, generating high winds, isolated tornadoes, and heavy rain. On July 24 in Michigan, daily-record amounts totaled 3.36 inches in Traverse City and 2.24 inches in Flint. For Traverse City, it was the second-wettest July day on record, behind 4.01 inches on July 5, 1999.

Late in the month, most parts of the country received some precipitation, but higher totals were limited to a few regions, including the East and Southwest. Although most of the Midwest remained dry, locally severe thunderstorms swept southward on July 28-29 through the upper Great Lakes region. Another area of heavy rain affected the southwestern Corn Belt on July 30-31. In Arizona, Tucson completed its wettest month on record. Tucson's monthly total, 8.06 inches (365 percent of normal), surpassed 7.93 inches in August 1955; previously, the wettest July in that location had occurred in 2017, with 6.80 inches. Tucson also received at least an inch of rain on 3 days (July 24, 25, and 27) during a month for the first time since July 2007. Monsoon-related showers briefly spread as far west as southern California,

where downtown Los Angeles secured its third-wettest July, with 0.22 inch. Higher July totals in Los Angeles occurred in 2015 (0.38 inch) and 1886 (0.24 inch). Scattered showers also spread into parts of the Northwest, where record-setting rainfall totals for July 27 included 0.67 inch in Burley, ID, and 0.38 inch in Klamath Falls, OR. Another round of Northwestern showers on July 31 led to daily-record totals in Idaho locations such as Idaho Falls (1.28 inches) and Boise In Utah, late-July downpours led to flash (0.83 inch).flooding in numerous communities, including Cedar City and Tooele. In Colorado, a debris flow in Glenwood Canyon on July 29 closed Interstate 70. Pueblo, CO, received 2.76 inches of rain on the 31st, representing the wettest July day on record and wettest day during any month since October 8, 1957. Late-month rain also soaked parts of the southwestern Corn Belt, where Des Moines, IA, received 2.91 inches on July 30-31. In the South and East, daily-record totals topped 2 inches in Greenville-Spartanburg, SC (3.68 inches on July 26); Nashville, TN (3.13 inches on July 31); Morgantown, WV (2.99 inches on July 29); and Sarasota-Bradenton, FL (2.68 inches on July 27).

Meanwhile, dozens of wildfires remained active late in the month across northern California and the Northwest, with containment efforts hampered at times by heat, erratic winds, and drought-cured vegetation. Oregon's third-largest wildfire in modern history, the Bootleg Fire, started on July 6 and burned more than 400,000 acres of timber and brush. Northern California's Dixie Fire, which was sparked on July 13, continued to aggressively burn into August and-at nearly 500,000 acres by August 10-eventually became the state's second-largest modern wildfire, behind only last year's 1.03 million-acre August Complex. Chronic, latemonth Northwestern heat led to numerous daily-record highs. From July 25-27, Greybull, WY, tallied a trio of daily records (102, 102, and 105°F). Elsewhere in Wyoming, recordsetting highs for July 27 soared to 107°F in Sheridan, 106°F in Worland, and 100°F in Casper. Other triple-digit, dailyrecord highs included 105°F (on July 25) in Winnemucca, NV, and 106°F (on July 27) in Billings, MT. Heat fully engulfed the High Plains by July 27, when temperatures surged to 108°F in Miles City, MT, and Pierre, SD. For Pierre, it was the hottest day since July 20, 2016, when the high reached 109°F. Similarly, Rapid City, SD (107°F on July 27), endured its highest reading since August 29, 2012, when it was also 107°F. During a final day of central Plains heat on July 28, triple-digit, daily-record highs climbed to 107°F in Chadron, NE, and 100°F in Denver, CO. From July 11-28, Bismarck, ND, noted 18 consecutive days with highs of 90°F or greater, tying an all-time station record originally set from July 2 - 19, 1936. Meanwhile, the focus for heat gradually shifted into the South and Northwest. Dallas-Fort Worth, TX, achieved it first three triple-digit readings of the year (100, 101, and 102°F) from July 25-27. On July 29, Vicksburg, MS, collected a daily-record high of 100°F. With a high of 101°F on July 30, Pine Bluff, AR, recorded its first triple-digit reading since August 7, 2015. Pine Bluff's streak of days without 100-degree heat-2,183 days-shattered the former mark of 1,132 days set from July 9, 1948 - August 14, 1951. In the Northwest, Lewiston, ID, closed the month with a pair of daily-record highs (109°F both days) on July

30-31. Other Northwestern daily-records included 110°F (on July 30) in Hermiston, OR, and 109°F (on July 31) in Omak, WA. In Oregon, July records were set for the number of 90-degree readings in Eugene (18 days) and 95-degree readings in Medford (22 days). Medford also weathered its hottest month on record, with a July average temperature of 80.3°F (previously, 79.9°F in July 2014). It was also the hottest month in Northwestern locations such as Spokane, WA (77.5°F), and Lewiston, ID (82.0°F); both previous records had been set in July 1906.

Following a warm start to July, Alaskan temperatures fell for several days before rebounding to near- or above-normal levels for the remainder of the month. Fairbanks notched a daily-record high of 88°F-the highest reading of the month-on July 1. When warmth returned at mid-month, several daily-record highs were set. From July 16-18, for example, Anchorage tallied a trio of daily-record highs (76, 79, and 81°F, respectively). Daily records were also set in Kodiak (79°F on July 16) and Yakutat (77°F on July 17). July 18 was also a warm day, with daily-record highs being set in Bethel (78°F) and Cold Bay (68°F). The warm weather was followed by increasingly stormy weather, except in east-central and northeastern Alaska. Fairbanks experienced high temperatures of 80°F or higher each day from July 15-22, except the 18th, followed by rainfall totaling 1.45 inches on July 23-24. Parts of western Alaska were especially wet. Kotzebue, with 1.52 inches on July 6, observed its wettest day since September 24, 1978, when 1.64 inches fell. July 27-28 rainfall totaled 1.15 inches in Kotzebue, boosting the month sum to 5.32 inches (333 percent of normal). Previously, Kotzebue's wettest July had occurred in 1931, when 4.16 inches fell. Meanwhile, Nome received more than an inch of rain on consecutive July days (1.15 and 1.47 inches on the 27th and 28th, respectively) for the first time on record. With a 6.41-inch monthly total (273 percent of normal), Nome experienced its wettest July since 1920, when 8.43 inches fell. Farther east, however, July rainfall totaled 1.19 inches (50 percent of normal) in Delta Junction and 0.81 inch (28 percent) in Northway. Elsewhere, late-month warmth was relegated to northern Alaska, where Utqiagvik attained 60°F for the first time this year on July 31.

Some of Hawaii's leeward locations experienced short-term dryness during July, with statewide coverage of severe to extreme drought (D2 to D3) increasing from 7 to 21 percent during the 5-week period ending August 3. In addition, general warmth resulted in several daily-record highs. For example, Lihue, Kauai, notched daily-record highs of 87°F on July 5 and 10. Lihue collected another daily-record high (88°F) on July 30. Elsewhere, Kahului, Maui, tallied a daily-record high of 91°F on July 12. On the Big Island, Hilo reported measurable rain each day during July, totaling 9.52 inches (103 percent of normal). In contrast, Kahului received July rainfall totaling only a trace (0.53 inch below normal) and has not reported measurable rain since May 20.

Fieldwork

Fieldwork summary provided by USDA/NASS

The monthly fieldwork summary will appear next week.



CPC gridded precipitation data supplemented with AHPS (water.weather.gov/precip/) for quality control purposes



CPC gridded precipitation data supplemented with AHPS (water.weather.gov/precip/) for quality control purposes





Weekly Weather and Crop Bulletin

National Weather Data for Selected Cities July 2021

Data Provided by Climate Prediction Center

		TEM	1P, *F	PR	ECIP.		TEM	IP, [∗] F	PR	ECIP.		TEM	P, [∗] F	PR	ECIP.
	STATES	Ξ	RE		RE	STATES	E	RE		RE	STATES	E	RE		RE
	AND	SAG.	TUF	LAL	TUF	AND	SAG.	TUL	TAL	TUF	AND	RAG.	TUF	TAL	1 LL
	STATIONS	VEF	PAR	101	PAR	STATIONS	VEF	PAR	101	PAR	STATIONS	VEF	PAR	101	PAR
		A	DE		DE		А	DE		DE		А	DE		DE
AK	ANCHORAGE	59	0	1.02	-0.81	WICHITA	79	-2	1.14	-2.15	TOLEDO	75	2	4.69	1.48
	BARROW	42	1	1.39	0.39	KY LEXINGTON	74	-2	4.76	0.08	YOUNGSTOWN	71	0	5.28	0.95
		65 50	3	1.88	-0.28	LOUISVILLE	80	0	4.85	0.60		80	-3	2.08	-0.85
	KODIAK	56	2	3.31	-1.63	LA BATON ROUGE	82	-1	8.93	2.44	OR ASTORIA	61	1	0.22	-0.82
	NOME	51	-1	5.92	3.81	LAKE CHARLES	83	0	7.20	1.58	BURNS	75	8	0.43	-0.01
AL	BIRMINGHAM	80	-1	8.66	3.83	NEW ORLEANS	85	2	10.57	4.63	EUGENE	72	5	0.01	-0.55
	HUNTSVILLE	80	-1	9.03	4.98	SHREVEPORT	83	0	4.26	0.61	MEDFORD	81	7	0.04	-0.29
	MOBILE	81	-1	7.98	0.75	MA BOSTON	72	-1	9.42	6.01	PENDLETON	78	5	0.02	-0.34
	MONTGOMERY	81	0	4.63	-0.61	WORCESTER	68	-2	13.87	9.63	PORTLAND	73	4	0.00	-0.67
AR		82	-1	7.81	4.54	ME CARIBOLI	64	-2	3.47 2.93	-0.01		73	0	4.23	-0.47
AZ	FLAGSTAFF	68	2	5.67	3.07	PORTLAND	67	-2	9.35	5.78	ERIE	72	0	6.37	2.85
	PHOENIX	94	-1	1.70	0.65	MI ALPENA	68	0	5.76	2.76	MIDDLETOWN	77	2	7.91	3.28
	PRESCOTT	76	1	1.60	-0.50	GRAND RAPIDS	72	-1	4.53	0.79	PHILADELPHIA	79	1	6.69	2.31
	TUCSON	86	-1	6.02	3.77	HOUGHTON LAKE	68	1	2.49	-0.16	PITTSBURGH	72	0	2.78	-1.02
CA	BAKERSFIELD	90	6	0.00	0.00	LANSING	72	1	1.70	-1.13	WILKES-BARRE	73	1	4.70	0.93
		56	-2	0.09	-0.12		71	0	2.67	0.30		74	1	6.94 7.06	2.59
	LOS ANGELES	68	0	0.11	0.07	MN DULUTH	68	2	2.74	-1.10	SC CHARLESTON	81	-1	7.71	1.19
	REDDING	86	4	0.01	-0.09	INT_L FALLS	68	3	0.80	-2.89	COLUMBIA	81	-1	6.09	0.63
	SACRAMENTO	77	2	0.00	0.00	MINNEAPOLIS	76	2	0.84	-3.20	FLORENCE	81	0	5.65	0.39
	SAN DIEGO	73	3	0.00	-0.04	ROCHESTER	71	0	4.11	-0.46	GREENVILLE	79	0	5.89	1.21
	SAN FRANCISCO	64	0	0.00	0.00	ST. CLOUD	72	1	0.83	-2.45	SD ABERDEEN	75	4	1.40	-1.61
	STOCKTON	78	1	0.00	0.00	MO COLUMBIA	78	0	6.07	1.70	HURON	75	1	2.56	-0.35
CO	ALAMUSA CO SPRINGS	68 73	3	1.11	0.11	SAINT LOUIS	79	-1	2.65	-1.80	RAPID CITY SIQUY FALLS	76	3	2.46	0.61
	DENVER INTL	77	2	0.39	-1.76	SPRINGFIELD	78	-1	3.74	0.07	TN BRISTOL	75	1	4.03	-0.67
	GRAND JUNCTION	82	4	0.50	-0.12	MS JACKSON	82	0	9.20	4.37	CHATTANOOGA	80	0	4.17	-0.76
	PUEBLO	78	2	4.19	2.13	MERIDIAN	81	0	8.96	3.82	KNOXVILLE	79	0	1.73	-3.35
СТ	BRIDGEPORT	75	0	8.49	5.04	TUPELO	82	0	8.07	4.19	MEMPHIS	82	-1	5.48	0.87
	HARTFORD	73	-1	10.11	5.91	MT BILLINGS	79	6	0.17	-1.16	NASHVILLE	81	2	8.71	5.10
DC	WASHINGTON	81	1	4.16	0.45	BUTTE	69 70	5	0.44	-0.91		82	-1	0.85	-1.01
FL	DAYTONA BEACH	82	0	6.97	-2.30	GLASGOW	70	8	0.68	-1.20	AUSTIN	84	-1	2.76	-0.04
	JACKSONVILLE	81	-1	7.24	0.70	GREAT FALLS	74	6	0.32	-1.17	BEAUMONT	83	0	4.70	-1.25
	KEY WEST	84	-1	7.52	4.00	HAVRE	75	6	0.50	-1.14	BROWNSVILLE	85	0	8.84	6.81
	MIAMI	84	0	7.74	1.24	MISSOULA	75	6	0.21	-0.80	CORPUS CHRISTI	84	0	9.20	6.43
	ORLANDO	83	1	5.92	-1.33	NC ASHEVILLE	74	0	5.37	1.03	DEL RIO	88	2	2.20	0.42
	PENSACOLA	83	1	8.74	1.33	CHARLOTTE	80	1	4.80	1.14	EL PASO	82	-1	4.76	3.20
	TALLAHASSEE	82	2	4.52	-2.03	HATTERAS	78 81	-1	4.59	-0.52	GALVESTON	85	-1	5.98	-1.18
	WEST PALM BEACH	83	1	4.89	-0.87	RALEIGH	79	-1	5.00	0.25	HOUSTON	84	0	3.11	-0.67
GA	ATHENS	81	0	6.38	1.88	WILMINGTON	81	0	8.68	1.19	LUBBOCK	79	-1	2.86	0.95
	ATLANTA	80	0	5.96	0.68	ND BISMARCK	79	8	1.52	-1.35	MIDLAND	79	-3	2.48	0.68
	AUGUSTA	81	0	6.52	2.16	DICKINSON	75	5	1.91	-0.53	SAN ANGELO	82	-2	3.67	2.45
	COLUMBUS	81	-2	5.18	0.40	FARGO	75	4	0.65	-2.13		82	-2	4.06	1.33
	SAVANNAH	81	-1	7.42	2.40		73	4	0.43	-2.70	WACO	83	-1	4 37	2.58
н	HILO	77	0	9.43	-1.38	NE GRAND ISLAND	77	1	2.83	-0.56	WICHITA FALLS	82	-3	1.79	0.19
	HONOLULU	82	1	0.08	-0.44	LINCOLN	77	-1	1.72	-1.65	UT SALT LAKE CITY	86	7	0.50	-0.12
	KAHULUI	80	1	0.76	0.24	NORFOLK	75	0	3.04	-0.25	VA LYNCHBURG	78	3	2.50	-1.88
	LIHUE	81	2	1.78	-0.09	NORTH PLATTE	76	2	2.61	-0.44	NORFOLK	82	2	2.23	-2.92
IA	BURLINGTON	74	-2	5.86	1.60	OMAHA	78	1	4.24	0.44	RICHMOND	79	0	6.60	2.09
	DES MOINES	73 76	0	0.79	-3.67		78 70	4	1.31	-0.51	WASH/DUILIES	78 78	2	3.00 2.41	-1.04
	DUBUQUE	72	0	3.20	-1.14	NH CONCORD	69	-1	12.41	8.69	VT BURLINGTON	69	-1	4.30	0.12
	SIOUX CITY	74	0	1.41	-2.02	NJ ATLANTIC_CITY	77	1	6.52	2.82	WA OLYMPIA	66	2	0.00	-0.65
	WATERLOO	75	2	1.24	-3.69	NEWARK	79	1	8.04	3.26	QUILLAYUTE	60	1	0.02	-1.96
ID	BOISE	84	8	0.46	0.09	NM ALBUQUERQUE	79	1	1.48	-0.03	SEATTLE-TACOMA	68	2	0.00	-0.72
	LEWISTON	82	8	0.02	-0.65	NV ELY	72	4	1.24	0.59	SPOKANE	78	8	0.12	-0.54
		75	5	0.01	-0.63	LAS VEGAS	95	2	0.41	-0.02		80	9	0.00	-0.26
12	MOLINE	75	0	2.84	-1.45	WINNEMUCCA	80	8	0.49	0.19	GREEN BAY	70	1	4.34	0.86
	PEORIA	75	0	3.73	-0.09	NY ALBANY	67	-4	8.70	4.57	LA CROSSE	75	2	5.21	0.91
	ROCKFORD	75	1	2.24	-1.70	BINGHAMTON	68	-1	8.65	4.99	MADISON	72	1	1.57	-2.63
	SPRINGFIELD	75	-1	4.22	0.29	BUFFALO	71	0	7.38	4.18	MILWAUKEE	73	2	1.07	-2.57
IN	EVANSVILLE	78	0	3.98	0.06	ROCHESTER	69	-2	6.65	3.33	WV BECKLEY	71	1	3.25	-1.78
		73	0	5.56	1.31		72	1	6.70	2.96		75	0	3.11	-1.85
	SOUTH BEND	73	-1	5.85 2.40	-1.60	CINCINNATI	73	1	7.01	2.93	HUNTINGTON	75	1 -1	3.31 8.36	-2.06
кs	CONCORDIA	79	0	3.65	-0.28	CLEVELAND	72	-1	7.67	4.23	WY CASPER	73	3	1.82	0.40
	DODGE CITY	80	0	2.51	-0.54	COLUMBUS	75	0	4.60	-0.20	CHEYENNE	72	3	0.50	-1.68
	GOODLAND	75	0	1.48	-1.97	DAYTON	75	1	5.36	1.25	LANDER	75	4	1.10	0.30
	IUPEKA	79	U	2.93	-0.88	MANSFIELD	74	2	6.64	2.24	SHERIDAN	75	5	0.55	-0.63

Based on 1981-2010 normals

National Agricultural Summary

August 2 - 8, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

More than twice the normal weekly precipitation was recorded in some areas along the Atlantic Coast, northern Rockies, Texas, and Wisconsin. Parts of the Florida Gulf Coast and the North Carolina coast received weekly rainfall totaling 6 inches or more. In contrast, large parts of the middle Mississippi Valley, Ohio Valley, Pacific Northwest, and Southwest were drier than normal. Meanwhile, most of the Pacific Northwest, northern Plains, northern Rockies, and Southwest remained warmer than normal. In contrast, most of the rest of the nation was cooler than normal. Large areas of the mid-Atlantic, Mississippi Valley, Ohio Valley, and southern Plains recorded temperatures 4°F or more below.

Corn: By August 8, ninety-five percent of the nation's corn had reached the silking stage, 1 percentage point behind last year but 1 point ahead of the 5-year average. By August 8, fifty-six percent of the corn was at or beyond the dough stage, equal to last year but 5 percentage points ahead of average. By August 8, eight percent of this year's corn acreage was denting, 2 percentage points behind last year and 3 points behind average. On August 8, sixty-four percent of the nation's corn was rated in good to excellent condition, 2 percentage points above the previous week but 7 points below the same time last year. In Iowa, 61 percent of the corn was rated in good to excellent condition.

Soybean: By August 8, ninety-one percent of the nation's soybean acreage had reached the blooming stage, equal to last year but 2 percentage points ahead of the 5-year average. Nationally, 72 percent of the soybeans had begun setting pods, 1 percentage point behind last year but 4 points ahead of average. On August 8, sixty percent of the nation's soybeans were rated in good to excellent condition, unchanged from the previous week but 14 percentage points below the previous year.

Winter Wheat: Ninety-five percent of the 2021 winter wheat acreage had been harvested by August 8, six percentage points ahead of last year and 4 points ahead of the 5-year average. Winter wheat harvest progress advanced 10 percentage points or more from the previous week in Idaho, Montana, and Washington.

Cotton: Eighty-eight percent of the nation's cotton had reached the squaring stage by August 8, seven percentage points behind both last year and the 5-year average. By August 8, sixty-three percent of the cotton had begun setting bolls, 6 percentage points behind last year and 5 points behind average. By August 8, five percent of the nation's cotton had open bolls, 4 percentage points behind last year and 6 points behind average. On August 8, sixty-five percent of the 2021 cotton acreage was rated in good to excellent condition, 5 percentage points above the previous week and 23 points above the same time last year.

Sorghum: By August 8, sixty-nine percent of the nation's sorghum had reached the headed stage, 1 percentage point ahead of last year and 2 points ahead of the 5-year average. Twenty-six percent of the sorghum was at or beyond the coloring

stage by August 8, equal to last year but 3 percentage points behind average. Sixty-three percent of the sorghum acreage was rated in good to excellent condition on August 8, one percentage point above the previous week and 5 points above the same time last year.

Rice: By August 8, seventy-four percent of the nation's rice had reached the headed stage, 1 percentage point ahead of the previous year but 6 points behind the 5-year average. Nationally, 7 percent of the rice was harvested by August 8, two percentage points behind last year and 1 point behind average. On August 8, seventy-five percent of the rice acreage was rated in good to excellent condition, 3 percentage points above the previous week but 1 point below the same time last year.

Small Grains: Sixty-four percent of the nation's oat acreage had been harvested by August 8, one percentage point ahead of last year and 7 points ahead of the 5-year average. Oat harvest progress advanced 15 percentage points or more during the week in Minnesota, North Dakota, Ohio, and Pennsylvania.

By August 8, producers had harvested 35 percent of the nation's barley crop, 21 percentage points ahead of last year and 11 points ahead of the 5-year average. Harvest progress was ahead of average in all five estimating states. On August 8, twenty-four percent of the barley acreage was rated in good to excellent condition, 3 percentage points above the previous week but 55 points below the same time last year.

By August 8, thirty-eight percent of the nation's spring wheat had been harvested, 24 percentage points ahead of the previous year and 17 points ahead of the 5-year average. Harvest progress was ahead of average in all six estimating states. On August 8, eleven percent of the spring wheat was rated in good to excellent condition, 1 percentage point above the previous week but 58 points below the same time last year.

Other Crops: By August 8, ninety-two percent of the nation's peanut crop had reached the pegging stage, 1 percentage point behind both the previous year and the 5-year average. On August 8, seventy-four percent of the peanuts were rated in good to excellent condition, 1 percentage point above both the previous week and the same time last year.

Crop Progress and Condition Week Ending August 8, 2021

Corn Percent Silking											
	Prev	Prev	Aug 8	5-Yr							
	Year	Week	2021	Avg							
со	93	86	95	89							
IL	99	96	97	97							
IN	96	93	96	92							
IA	98	92	96	96							
KS	94	88	93	94							
KY	94	91	93	93							
МІ	94	91	97	83							
MN	99	96	99	96							
MO	99	89	96	98							
NE	97	97	99	96							
NC	100	98	100	99							
ND	90	69	86	89							
он	93	88	93	87							
PA	72	57	72	83							
SD	94	83	94	91							
TN	97	95	97	98							
тх	97	93	94	97							
WI	92	86	92	85							
18 Sts	96	91	95	94							
These 18 States planted 92%											
of last vear	's corn ac	reage.									

Corn Condition by												
		Perc	ent									
	VP	Р	F	G	EX							
со	2	13	24	42	19							
IL	2	4	15	55	24							
IN	1	4	21	59	15							
IA	2	8	29	51	10							
KS	2	7	26	54	11							
KY	0	3	19	65	13							
МІ	1	2	18	58	21							
MN	8	16	40	31	5							
мо	1	6	23	55	15							
NE	3	7	20	51	19							
NC	1	5	21	55	18							
ND	16	31	36	16	1							
он	1	4	15	60	20							
PA	0	1	11	69	19							
SD	10	19	41	29	1							
TN	0	3	15	60	22							
тх	2	8	27	45	18							
WI	1	4	18	48	29							
18 Sts	3	8	25	49	15							
Prev Wk	3	8	27	47	15							
Prev Yr	2	6	21	53	18							

Corn Percent Dough											
	Prev	Prev	Aug 8	5-Yr							
	Year	Week	2021	Avg							
со	33	15	32	21							
IL	63	49	66	62							
IN	53	31	52	49							
IA	63	42	64	54							
KS	65	46	62	60							
KY	57	37	50	56							
МІ	34	19	41	25							
MN	58	28	44	47							
МО	69	54	68	72							
NE	64	41	63	52							
NC	83	81	89	89							
ND	18	8	20	24							
ОН	36	28	51	39							
PA	24	5	12	29							
SD	46	23	44	42							
TN	68	64	79	84							
тх	83	73	83	81							
WI	35	23	42	28							
18 Sts 56 38 56 51											
These 18 States planted 92%											
of last year	's corn ac	reage.									

Peanuts Percent Pegging												
	Prev	Prev	Aug 8	5-Yr								
	Year	Week	2021	Avg								
AL	98	87	92	94								
FL	96	94	95	95								
GA	98	95	98	98								
NC	90	91	95	95								
ОК	70	56	66	74								
SC	94	92	96	92								
ТΧ	74	60	70	76								
VA	90	84	89	91								
8 Sts	93	88	92	93								
These 8 Stat	These 8 States planted 96%											
of last year's peanut acreage.												

Corn Percent Dented												
	Prev	Prev	Aug 8	5-Yr								
	Year	Week	2021	Avg								
со	4	4	10	2								
IL	9	NA	3	13								
IN	3	NA	3	7								
IA	8	5	11	7								
KS	24	4	12	20								
KY 35 16 24 34												
мі	0	NA	0	1								
MN	2	2	4	2								
МО	22	NA	4	24								
NE	13	0	7	8								
NC	53	43	61	65								
ND	0	NA	0	1								
ОН	1	NA	1	3								
PA	1	NA	0	1								
SD	3	NA	1	3								
TN	9	13	43	34								
тх	66	58	65	65								
WI	1	0	2	1								
18 Sts 10 NA 8 11												
These 18 States planted 92%												
of last year's corn acreage.												

Peanut Condition by						
		Perc	ent			
	VP	Р	F	G	EX	
AL	0	3	20	60	17	
FL	0	2	28	68	2	
GA	1	3	20	61	15	
NC	1	4	15	65	15	
ок	0	0	26	74	0	
SC	0	0	2	95	3	
тх	0	1	47	41	11	
VA	0	0	5	91	4	
8 Sts	1	2	23	62	12	
Prev Wk	1	3	23	63	10	
Prev Yr	1	4	22	62	11	

Crop Progress and Condition Week Ending August 8, 2021

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

Soybeans Percent Blooming						
	Prev	Prev	Aug 8	5-Yr		
	Year	Week	2021	Avg		
AR	96	92	94	96		
IL	89	87	93	90		
IN	92	85	91	86		
IA	94	93	97	91		
KS	84	71	80	82		
KY	76	74	82	74		
LA	100	98	100	100		
МІ	94	92	96	85		
MN	98	96	98	96		
MS	96	88	94	95		
мо	82	65	78	78		
NE	98	95	97	93		
NC	72	62	74	75		
ND	90	88	92	93		
ОН	91	85	90	85		
SD	91	84	92	90		
TN	82	76	84	87		
WI	93	88	94	88		
18 Sts	s 91	86	91	89		
These	e 18 States plant	ed 96%				

of last year's soybean acreage.

	Sorghum Percent Headed						
		Prev	Prev	Aug 8	5-Yr		
		Year	Week	2021	Avg		
со		44	48	77	58		
KS		60	43	59	56		
NE		84	49	74	73		
ОК		58	32	46	58		
SD		59	57	77	63		
ТΧ		88	87	88	86		
6 Sts		68	57	69	67		
These 6 States planted 100%							
of last year's sorghum acreage.							

Rice Percent Headed							
	Prev	Prev	Aug 8	5-Yr			
	Year	Week	2021	Avg			
AR	69	49	67	81			
CA	62	55	70	62			
LA	95	87	94	95			
MS	82	74	89	88			
МО	51	46	60	69			
тх	97	85	90	98			
6 Sts	73	59	74	80			
These 6 States planted 100%							
of last year's rice acreage.							

	Prev	Prev	Aug 8	5-Yr	
	Year	Week	2021	Avg	
AR	84	75	83	87	
IL	71	59	71	68	
IN	68	52	66	62	
IA	81	73	84	73	
KS	63	39	49	53	
KY	57	53	63	52	
LA	95	84	86	96	
МІ	78	71	84	58	
MN	89	69	84	79	
MS	85	72	83	86	
МО	53	31	48	48	
NE	79	66	83	69	
NC	49	35	46	49	
ND	69	58	73	71	
он	65	53	72	60	
SD	74	47	67	68	
TN	56	50	62	66	
WI	72	61	73	66	
18 Sts	73	58	72	68	
These 18 States planted 96%					
of last yea	r's soybear	n acreag	e.		

Sorghum Percent Coloring					
	Prev	Prev	Aug 8	5-Yr	
	Year	Week	2021	Avg	
со	0	1	3	5	
KS	8	3	9	7	
NE	4	4	9	8	
ок	24	10	12	25	
SD	3	2	3	9	
ТΧ	71	65	69	69	
6 Sts	26	22	26	29	
These 6 States planted 100%					
of last year's sorghum acreage.					

Rice Percent Harvested						
	Prev	Prev	Aug 8	5-Yr		
	Year	Week	2021	Avg		
AR	0	NA	0	0		
CA	0	NA	0	0		
LA	47	13	33	42		
MS	0	NA	0	0		
MO	0	NA	0	0		
тх	31	7	25	33		
6 Sts	9	NA	7	8		
These 6 States harvested 100%						
of last year's rice acreage.						

Soybean Condition by							
	Percent						
	VP	Р	F	G	EX		
AR	2	6	29	44	19		
IL	2	4	16	55	23		
IN	1	6	23	57	13		
IA	2	8	30	50	10		
KS	1	6	33	54	6		
KY	0	4	22	64	10		
LA	1	2	13	73	11		
МІ	1	5	22	59	13		
MN	7	17	42	30	4		
MS	1	4	15	67	13		
мо	2	6	30	55	7		
NE	2	4	18	57	19		
NC	0	4	23	62	11		
ND	15	35	37	12	1		
ОН	2	5	20	57	16		
SD	7	22	44	26	1		
TN	1	3	17	60	19		
WI	1	5	20	54	20		
18 Sts	3	10	27	48	12		
Prev Wk	3	9	28	48	12		
Prev Yr	1	4	21	57	17		

Sorghum Condition by						
		Perc	ent			
	VP	Р	F	G	EX	
со	2	3	15	65	15	
KS	2	6	30	56	6	
NE	3	13	25	47	12	
ок	2	6	31	57	4	
SD	12	22	50	16	0	
тх	2	8	25	49	16	
6 Sts	2	7	28	54	9	
Prev Wk	3	7	28	54	8	
Prev Yr	3	9	30	45	13	

Rice Condition by					
		Perc	ent		
	VP	Р	F	G	EX
AR	2	4	27	46	21
CA	0	0	10	80	10
LA	0	0	17	76	7
MS	1	4	8	70	17
МО	0	3	27	55	15
ТΧ	1	1	43	38	17
6 Sts	1	2	22	59	16
Prev Wk	1	3	24	57	15
Prev Yr	1	2	21	57	19

Crop Progress and Condition Week Ending August 8, 2021

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

Cotton Percent Squaring							
	Prev	Prev	Aug 8	5-Yr			
	Year	Week	2021	Avg			
AL	98	94	97	96			
AZ	100	100	100	99			
AR	100	98	100	100			
CA	94	99	100	92			
GA	98	94	97	98			
KS	89	84	87	84			
LA	100	100	100	100			
MS	94	91	95	96			
МО	76	100	100	92			
NC	98	88	93	98			
ОК	94	72	87	94			
SC	86	94	99	93			
TN	93	87	93	98			
тх	95	76	83	94			
VA	97	92	97	97			
15 Sts	15 Sts 95 82 88 95						
These 15 States planted 99%							

Cotton Condition by						
Percent						
	VP	Р	F	G	EX	
AL	0	4	19	65	12	
AZ	0	2	16	56	26	
AR	0	1	16	37	46	
CA	0	0	25	70	5	
GA	1	8	24	58	9	
KS	0	10	40	44	6	
LA	0	1	10	82	7	
MS	3	4	18	60	15	
МО	0	11	33	55	1	
NC	3	10	24	56	7	
ок	0	9	50	38	3	
SC	0	0	19	66	15	
TN	5	9	21	55	10	
тх	1	6	30	42	21	
VA	0	1	7	88	4	
15 Sts	1	6	28	48	17	
Prev Wk	1	7	32	49	11	
Prev Yr	6	17	35	33	9	

Cotton I	Percer	t Setti	ng Boll	S
	Prev	Prev	Aug 8	5-Yr
	Year	Week	2021	Avg
AL	83	66	75	83
AZ	98	92	99	90
AR	98	90	94	98
CA	74	65	80	69
GA	83	62	75	83
KS	38	43	65	35
LA	95	82	93	96
MS	77	64	79	83
МО	42	74	90	62
NC	73	57	73	79
ОК	52	23	43	52
SC	63	66	79	71
TN	77	51	65	82
тх	63	41	55	60
VA	80	61	79	73
15 Sts	69	50	63	68
These 15 State	es plant	ed 99%		

Cotton Percent Bolls Opening							
	Prev	Prev	Aug 8	5-Yr			
	Year	Week	2021	Avg			
AL	3	NA	1	2			
AZ	32	22	30	24			
AR	4	5	8	4			
CA	0	NA	0	0			
GA	2	NA	1	3			
KS	1	0	4	1			
LA	19	5	21	19			
MS	4	3	22	6			
МО	0	NA	0	3			
NC	0	0	0	1			
ОК	0	NA	0	0			
SC	0	NA	0	0			
TN	0	NA	0	2			
тх	13	NA	5	15			
VA	1	NA	1	0			
15 Sts	9	NA	5	11			
These 15 States planted 99%							
of last year's cotton acreage.							

arves	ted	Spr	ring V	Vheat (Condit	tion by			
Aug 8	5-Yr		Percent						
2021	Avg		VP	Ρ	F	G			
37	21	ID	9	26	34	23			
76	22	MN	14	26	44	16			
35	18	мт	37	33	25	5			
24	15	ND	29	32	27	11			
72	55	SD	34	39	20	7			
57	22	WA	46	47	7	0			
38	21	6 Sts	29	32	28	10			
		Prev Wk	30	34	26	9			
age.		Prev Yr	2	5	24	57			

of last year's cotton acreage.

Spring Wheat Percent Harvested						
	Prev	Prev	Aug 8	5-Yr		
	Year	Week	2021	Avg		
ID	19	9	37	21		
MN	17	32	76	22		
МТ	13	19	35	18		
ND	6	6	24	15		
SD	56	53	72	55		
WA	16	40	57	22		
6 Sts	14	17	38	21		
These 6 States harvested 100%						
of last year's spring wheat acreage.						

EX

Week Ending August 8, 2021

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

Winter Wheat Percent Harvested						
	Prev	Prev	Aug 8	5-Yr		
	Year	Week	2021	Avg		
AR	100	100	100	100		
CA	100	100	100	99		
со	100	98	99	98		
ID	33	47	71	47		
IL	100	99	100	100		
IN	100	100	100	100		
KS	100	100	100	100		
МІ	97	93	96	94		
МО	100	100	100	100		
МТ	41	52	70	62		
NE	98	95	97	95		
NC	100	100	100	100		
ОН	100	98	100	100		
ОК	100	100	100	100		
OR	75	83	92	76		
SD	94	91	97	86		
тх	100	100	100	100		
WA	52	74	84	55		
18 Sts	89	91	95	91		
These 18 St	ates harve	sted 91	%			
of last year's winter wheat acreage.						

Oats Percent Harvested						
	Prev	Prev	Aug 8	5-Yr		
	Year	Week	2021	Avg		
IA	93	72	86	88		
MN	61	46	75	44		
NE	95	89	94	90		
ND	15	8	24	25		
ОН	92	79	94	87		
PA	53	25	49	51		
SD	80	71	81	69		
тх	100	100	100	100		
WI	53	28	39	44		
9 Sts	63	48	64	57		
These 9 States harvested 76%						
of last year's oat acreage.						

Barley Percent Harvested						
	Prev Prev Aug 8 5-					
	Year	Week	2021	Avg		
ID	19	13	40	25		
MN	36	31	82	36		
МТ	9	13	28	21		
ND	12	6	28	24		
WA	22	38	62	23		
5 Sts	14	13	35	24		
These 5 States harvested 81%						
of last year's barley acreage.						

Barley Condition by							
		Perc	ent				
	VP P F G EX						
ID	5	13	21	47	14		
MN	10	27	44	19	0		
МТ	27	30	29	14	0		
ND	23	31	38	7	1		
WA	28	38	34	0	0		
5 Sts	20	26	30	20	4		
Prev Wk	22	33	24	17	4		
Prev Yr	1	3	17	59	20		

	Pasture and Range Condition by Percent										
Week Ending Aug 8, 2021											
	VP	Р	F	G	EX		VP	Р	F	G	EX
AL	1	1	11	79	8	NH	0	0	20	50	30
AZ	51	13	23	2	11	NJ	4	9	15	72	0
AR	4	14	40	38	4	NM	13	24	38	16	9
CA	30	25	25	20	0	NY	0	6	13	62	19
со	5	17	30	25	23	NC	6	27	32	32	3
СТ	0	0	55	30	15	ND	47	32	17	4	0
DE	2	29	40	23	6	ОН	0	7	23	63	7
FL	0	3	10	52	35	ОК	2	7	30	47	14
GA	1	5	24	58	12	OR	62	21	14	3	0
ID	30	37	24	9	0	PA	1	7	22	61	9
IL	3	7	17	55	18	RI	0	0	0	50	50
IN	2	8	35	47	8	SC	0	3	23	61	13
IA	7	19	39	32	3	SD	39	44	12	5	0
KS	4	11	36	46	3	TN	3	10	30	50	7
KY	2	7	28	54	9	ТХ	7	13	27	36	17
LA	0	10	33	53	4	UT	26	39	24	11	0
ME	0	0	64	29	7	VT	0	0	2	90	8
MD	6	18	38	29	9	VA	21	29	34	16	0
MA	0	0	3	57	40	WA	79	17	3	1	0
МІ	1	8	31	47	13	WV	5	18	60	16	1
MN	35	39	19	4	3	WI	4	13	23	43	17
MS	2	6	32	52	8	WY	32	35	25	7	1
мо	0	2	24	67	7	48 Sts	22	21	27	22	8
мт	54	33	13	0	0						
NE	9	15	58	16	2	Prev Wk	23	19	26	24	8
NV	35	30	35	0	0	Prev Yr	11	20	35	30	4

VP - Very Poor;

P - Poor;

F - Fair;

G - Good;

EX - Excellent

NA - Not Available;

*Revised

Week Ending August 8, 2021



Week Ending August 8, 2021



Week Ending August 8, 2021



International Weather and Crop Summary

August 1-7, 2021

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

HIGHLIGHTS

EUROPE: Cool, wet weather favored corn and sunflowers over much of central and northern Europe, while heat and short-term dryness continued to afflict summer crops in the lower Balkans.

WESTERN FSU: Widespread showers benefited reproductive to filling summer crops in Ukraine and Moldova, while hot, mostly dry weather in Russia hastened corn and sunflowers toward maturity.

EASTERN FSU: Heat renewed stress on filling spring grains in western growing areas and accelerated cotton toward maturity in the south, while additional rain maintained good to excellent spring wheat yield prospects in eastern Russia.

MIDDLE EAST: Despite scattered showers, extreme heat hastened summer crops toward maturity in Turkey and may have impacted open-boll cotton.

SOUTH ASIA: Unseasonable dryness throughout much of India reduced topsoil moisture for many kharif crops, while flooding was likely in western soybean areas.

EASTERN ASIA: Heavy showers continued to benefit summer crops in key growing areas of northeastern China, while drought lingered in some locales.

SOUTHEAST ASIA: Drier weather returned to Thailand and environs, but moisture conditions remained favorable for rice.

AUSTRALIA: Widespread showers sustained good to excellent winter grain and oilseed prospects.

ARGENTINA: Dry weather supported corn harvesting and other late-season fieldwork.

BRAZIL: Conditions favored summer crop harvesting although moisture remained limited for wheat.

MEXICO: Widespread showers continued to benefit rain-fed summer crops, while helping to further replenish reservoirs.

CANADIAN PRAIRIES: Unseasonable warmth and dryness persisted, further stressing spring crops and pastures.

SOUTHEASTERN CANADA: Mild, sunny weather benefited reproductive to filling summer crops.





EUROPE

Cool, wet weather maintained good to excellent summer crop conditions in central and northern Europe, while heat and dryness lingered in the lower Balkans. Rainfall during the past week totaled 10 to 100 mm (locally more) from England and France eastward into Poland and the Baltic States, though pockets of drier weather (less than 10 mm) lingered in northeastern Germany and northwestern Poland. Most of the continent's central and northern croplands have reported nearto above-normal rainfall over the past 60 days save for northwestern Poland. Similarly, moderate to heavy rain (10-50 mm) in northern Italy provided additional late-season moisture for filling to maturing summer crops, while mostly dry weather maintained drought concerns over central and southern Italy. Meanwhile, dryness continued to afflict the lower Danube River Valley, where 30-day rainfall has tallied a meager 25 percent of normal or less. Compounding the stress on Balkans' filling summer crops were temperatures as high as 41°C during the past week; the recent spate of hot weather began on or about July 25, with highs routinely approaching or topping 38°C lowering yield prospects for corn, sunflowers, and soybeans. Conversely, temperatures up to 4°C below normal maintained near-ideal temperatures for summer crops over the rest of the continent. The cool weather was particularly beneficial on the Iberian Peninsula, where shortterm dryness in northern Spain (Castilla y Leon) has increased irrigation demands for corn.



, hot limited

Rain in western growing areas contrasted with dry, hot weather in Russia. Widespread moderate to very heavy rainfall (10-115 mm) was noted in Moldova, Belarus, and much of central and western Ukraine, while lesser amounts (2-22 mm, locally 0 mm) were noted over eastern and southeastern Ukraine. The moisture maintained good to excellent prospects for reproductive (north) to filling (south) summer crops and eased the short-term dryness which had developed in northeastern Ukraine. However, crop areas in Moldova, southwestern Ukraine, as well as western and northern Belarus would benefit from drier weather. In Russia, scattered showers (1-15 mm, locally more) afforded

limited relief from daytime highs in the upper 30s (degrees C), with temperatures for the week averaging up to 5° C above normal. The recent spell of hot weather — which began at the beginning of August — coupled with a mid-July heat wave has accelerated summer crops toward maturity one to two weeks ahead of average. However, summer crops in Russia benefited from locally wet conditions in July, allowing corn and sunflowers to better withstand the recent heat and dryness. The latest satellite-derived Vegetation Health Index (VHI) indicated good to excellent crop vigor in Ukraine and environs, while the VHI over western Russia remained better than last year but highly variable.





EASTERN FSU

The return of heat in western and southern growing areas contrasted with additional rain in eastern croplands. Temperatures for the week averaged up to 6°C above normal in northwestern Kazakhstan and neighboring portions of central Russia, with daytime highs in the upper 30s (degrees C) renewing stress on drought-afflicted spring wheat and barley in these locales. Several incursions of scorching heat (lower 40s) in the western spring grain belt have accelerated crops toward maturity one to two weeks ahead of average. Conversely, another round of moderate to heavy rain (10-65 mm) across northern and eastern portions of Russia's Siberia District maintained good to excellent spring wheat prospects in these locales. However, dry weather in the southwestern Siberia District (Altai Krai) over the past 30 days (less than 50 percent of normal) has reduced topsoil moisture for filling spring wheat locally. The latest satellite-derived Vegetation Health Index continued to depict poor crop vigor from this season's heat and drought in western and central spring grain areas, while conditions in the Siberia District remained good to excellent save for western-most croplands. In the south, sunny skies and above-normal temperatures (2-4°C above normal) hastened cotton development. One of the warmest — if not the warmest — summers on record has accelerated cotton toward maturity one to locally more than two weeks ahead of average.



Despite scattered showers in Turkey, hot weather accelerated summer crops toward maturity. Highly variable showers and thunderstorms (1-24 mm) peppered central and eastern Turkey, though rain did not offer much — if any — relief from this year's severe to extreme drought. Furthermore, temperatures averaged up to 5°C above normal, with numerous reports of scorching daytime highs (up to 45°C) in western Turkey (Aegean Region). While cotton is heat tolerant, temperatures of this magnitude can have adverse effects on the crop; the potential for deleterious impacts were further supported by 7-day average temperatures reaching

34°C, well above the heat-damage threshold of 30°C. The latest satellite-derived Vegetation Health Index (VHI) depicted increasing crop stress across western and northern portions of the country, while the VHI indicated generally good conditions in the heavily irrigated southeastern GAP Region. Meanwhile, unusual showers and thunderstorms (10-30 mm) were noted in northwestern Iran, affording irrigated specialty and summer crops supplemental moisture while helping to ease severe drought brought on by an early end to the wet season (typically runs October through May, but sputtered this year in March and ended in April).

KIST



SOUTH ASIA

Computer generated contours Based on preliminary gridded data

CLIMATE PREDICTION CENTER, NOAA

SOUTH ASIA

Drier-than-normal weather prevailed across most of India, and along with seasonable heat, reduced topsoil moisture for kharif crops. The dryness was most pronounced in western and southern growing areas where little, if any, rainfall was recorded. In particular, cotton and groundnuts in the west have continually missed out on rain and are beginning to experience short-term drought. Moisture conditions were little better in central cotton and some eastern rice areas where weekly rainfall totals were less than 25 mm. In

contrast, rice in northeastern India (including Bangladesh) benefited from showery weather (25-100 mm or more), while a semi-stationary monsoon cyclone drenched (upwards of 553 mm) soybeans and other crops in western Madhya Pradesh and eastern Rajasthan, likely causing localized damage. Meanwhile, rice and cotton in northern India and neighboring portions of Pakistan continued to benefit from above-average rainfall (100-250 percent of normal since July 1) as did rice in Sri Lanka.



EASTERN ASIA

Showers flared along the monsoon front draped across northeastern China, producing 25 to nearly 100 mm across most crop areas; a pocket of dryness persisted in eastern Heilongjiang, though. The rainfall maintained ample soil moisture for corn and soybeans in the latter stages of reproduction from western Heilongjiang and neighboring portions of Inner Mongolia south into western Liaoning. However, despite the rainfall, eastern sections of the northeastern provinces continued to experience severe drought. Similarly, heavy showers (25-100 mm or more) on the Korean Peninsula only dented the rainfall deficits of the last 30 to 45 days. Meanwhile, a tropical cyclone (Lupit) slowly skirted the southeastern coast of China, producing upwards of 373 mm of rain in areas closest to the coast and 25 to 100 mm farther inland. As with portions of the northeast, moisture deficits have been so extreme in the southeast that the rainfall only produced modest improvements to moisture supplies for rice. In the remainder of the summer crop areas of eastern and southern China, showers were spotty, with parts of the upper Yangtze Valley reporting some flooding from nearly 100 mm of rain.



SOUTHEAST ASIA

Drier-than-normal weather returned to most of Thailand and the surrounding areas. Most locales recorded less than 25 mm of rain, with more substantial totals (25-100 mm or more) limited to northern border regions. Despite the drier weather, rainfall totals since July 1 remained above normal in all but some rice areas of northeastern Thailand. Meanwhile in the Philippines, following poor seasonal rainfall in the typically wet western sections of Luzon, totals have skyrocketed since mid-July, with the area reporting nearly 1,100 mm over the period (260 percent of normal). While the downpours helped boost reservoir levels for irrigated rice and corn, the subsequent flooding has caused damage to crops and infrastructure. In contrast, a pocket of dryness has developed in the minor growing areas stretching across the Visayas in the central Philippines. Elsewhere in the region, showers (10-50 mm) in Malaysia and Indonesia maintained generally adequate soil moisture for oil palm.



Widespread showers continued to fall across major winter crop producing areas, sustaining good to excellent wheat, barley, and canola prospects. The heaviest rain was located in western and southern sections of the wheat belt, where totals of 10 to 25 mm or more were common. In northern New South Wales and southern Queensland, the rainfall was more localized, falling primarily in the border region. Although some areas in the northeast received little rain, soil moisture remained adequate to abundant throughout this region, favoring winter crop development. Seasonably warm weather further benefited winter grains and oilseeds, with temperatures averaging within 1°C of normal in most areas.



Dry, unseasonably warm weather supported fieldwork, including late-summer crop harvesting, while spurring rapid development of winter grains. All major agricultural districts of central and northern Argentina (La Pampa and Buenos Aires northward) were completely dry, as were most farming areas of Uruguay and Paraguay. Weekly temperatures averaged at least 1 to 2°C above normal in central and northwestern production areas, with relatively cooler conditions (weekly temperatures averaging 1-2°C below normal) recorded in and around Chaco. However, northern temperatures rebounded at week's end, with daytime highs reaching the lower and middle 30s (degrees C) in the north, after several days where frost developed. In contrast, highs reached the lower and middle 20s in major wheat and barley areas in and around La Pampa and Buenos. According to the government of Argentina, corn was 95 percent harvested as of August 5.





BRAZIL

Favorably warmer weather returned to southern Brazil, promoting a more rapid pace of summer crop growth in the wake of a second potentially damaging freeze. Although weekly average temperatures remained below normal (departures of 1-3°C below normal) throughout much of the region, temperatures remained well above freezing in all southern farming areas, dropping below 5°C only in the climatologically cooler locations (southern Rio Grande do Sul to southeastern Parana) where those temperatures are more common. Similarly, the highest temperatures (highs reaching the middle and upper 30s degrees C) were concentrated in Mato Grosso and the northeastern interior. Aside from seasonal showers (5-50 mm, locally higher) along the northeastern coast, near complete dryness prevailed, supporting fieldwork but further reducing moisture for wheat. According to the government of Mato Grosso, corn and cotton were 93 and 36 percent harvested, respectively, as of August 6. According to the government of Parana, 10 percent of second-crop corn had been harvested as of August 2, with 92 percent of the remainder being mature; however, 42 percent of Parana's wheat had reached flowering and moisture was needed as farmers assessed the potential damage from the recent freeze. In contrast, only 4 percent of wheat in Rio Grande do Sul was flowering as of August 5.



MEXICO

Widespread, locally heavy showers maintained favorable summer crop prospects, while further helping to recharge reservoirs. Moderate to heavy rain (25-100 mm) fell throughout a large section of southern Mexico, including the southern plateau (Jalisco to Puebla) and along the southern Pacific Coast from Michoacán to Chiapas. Similar amounts were recorded in southern Veracruz, but drier conditions prevailed in the vicinity of northern Veracruz, which has been trending dry for several weeks, and extended northward through eastern Tamaulipas. Meanwhile, extensive monsoon showers (25-100 mm) overspread the remainder of northern Mexico, providing a much needed boost to reservoir levels in key winter production areas (notably Sinaloa, Sonora, and western Chihuahua). Daytime temperatures reaching the middle and upper 30s (degrees C) maintained high water requirements for northern livestock, with highs reaching the lower 40s in spots.



CANADIAN PRAIRIES

Mostly dry, unseasonably warm weather prevailed, maintaining rapid maturation rates of drought-stressed spring crops. Isolated showers (5-25 mm) brought limited relief from heat and dryness to immature crops in southern Alberta and across the northern edge of Prairie farming areas, but the moisture arrived too late to significantly improve yields of crops experiencing irreversible damage from the summer drought. Weekly temperatures averaged as much as 6°C above normal in the southwest (southern Alberta and southwestern Saskatchewan), where daytime highs reached the middle and upper 30s (degrees C). Highs elsewhere reached the lower 30s on several days and nighttime lows stayed well above freezing Prairie-wide. According to reports emanating from Canada, harvesting of droughtstressed spring crops was already underway in some locations as crops matured rapidly from the heat and dryness.



SOUTHEASTERN CANADA

Mostly sunny, albeit mild weather favored development of reproductive to filling summer crops. Most agricultural districts in Ontario and Quebec reported rainfall totaling less than 10 mm, though moisture reserves should be adequate for immature summer crops and forage growth after recent weeks of rainfall. Conditions also favored fieldwork that included winter wheat harvesting and haying. Near- to below-normal temperatures lowered the moisture demands of crops as highest daytime temperatures ranged from 27 to 31°C.



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