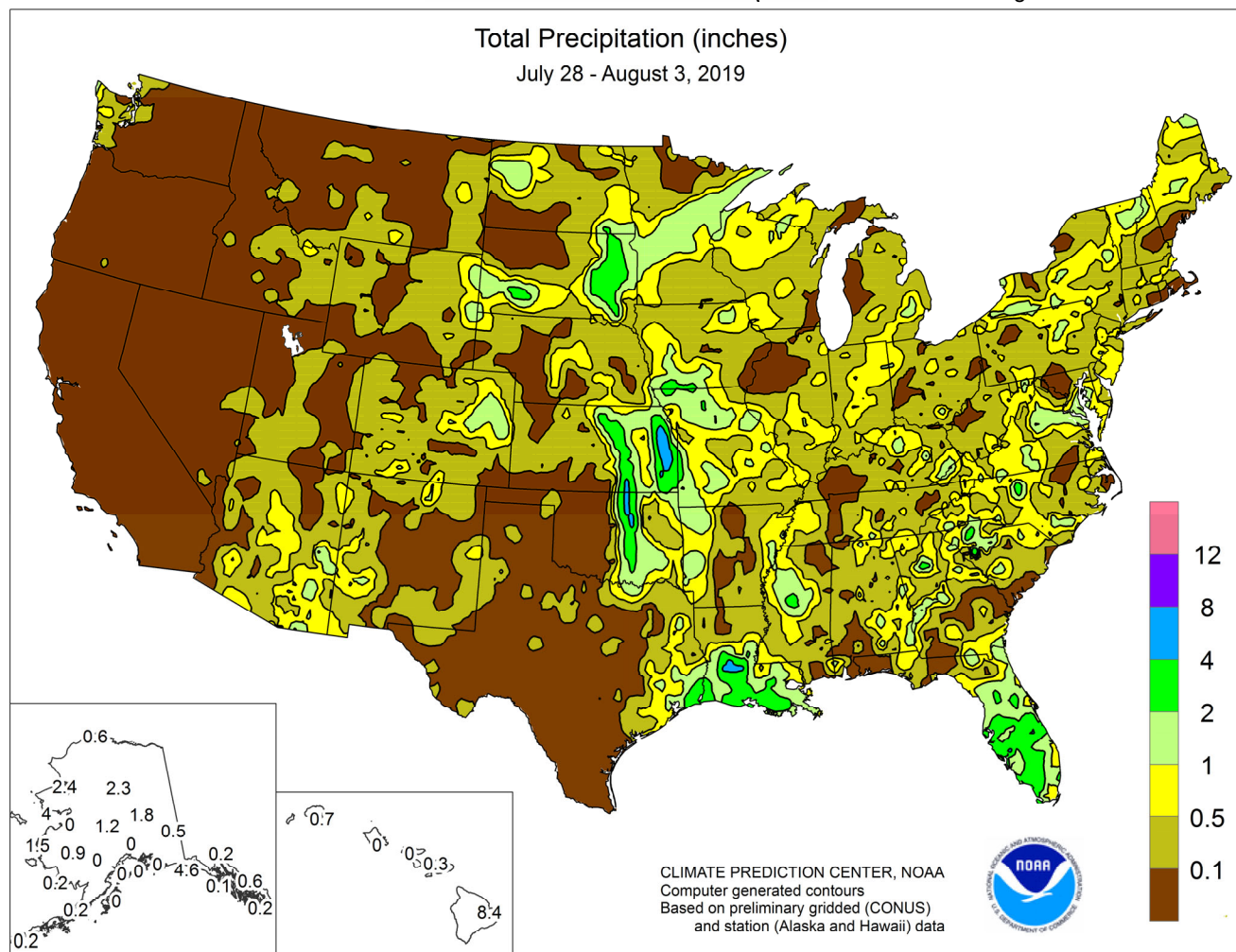


# WEEKLY WEATHER AND CROP BULLETIN

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 28 – August 3, 2019**

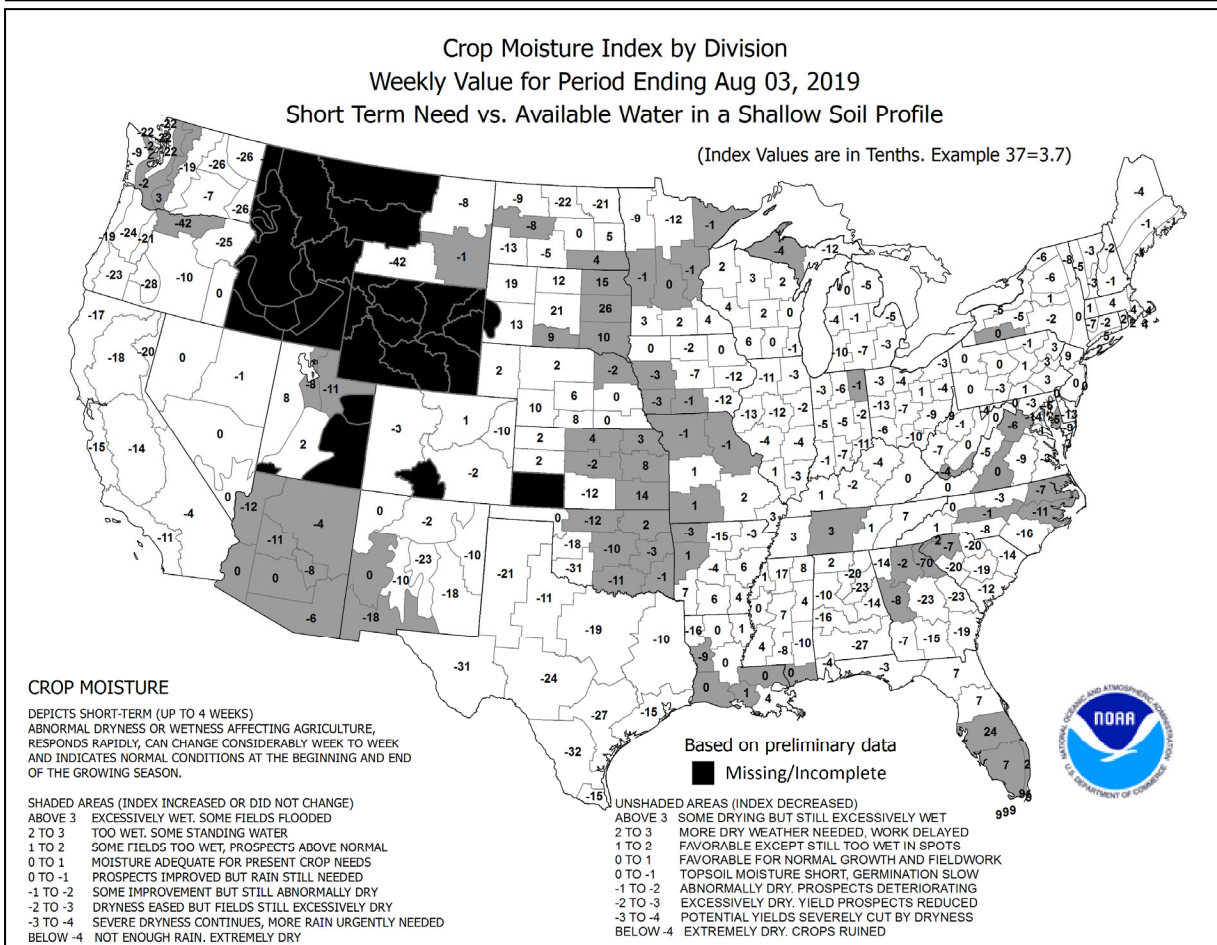
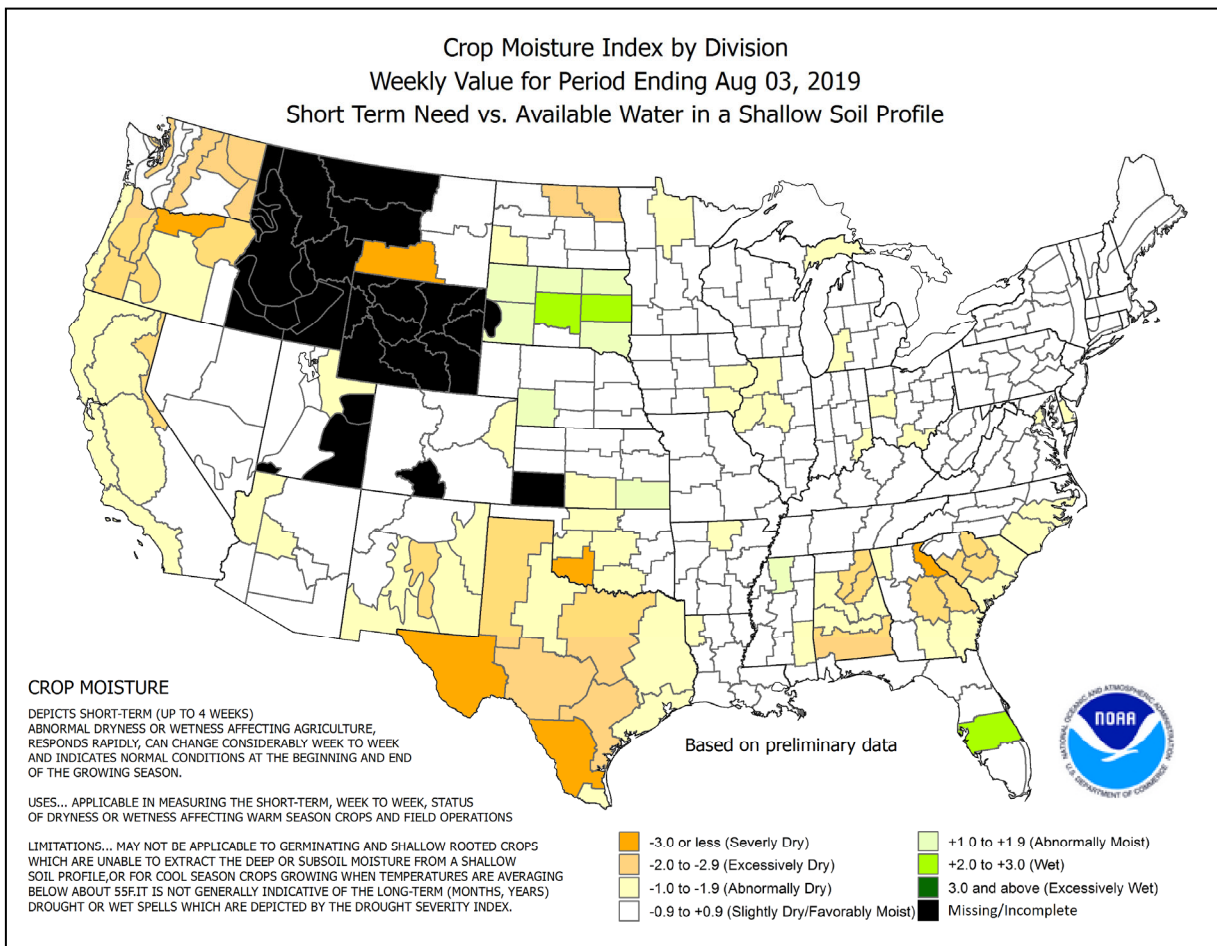
*Highlights provided by USDA/WAOB*

**H**heavy showers were confined to a few areas, mainly on the **eastern Plains**, across **Florida's peninsula**, and along the **central Gulf Coast**. In parts of **eastern Kansas** and environs, multiple rounds of heavy rain sparked local flooding. Meanwhile, mostly dry weather covered the **High Plains** and the **Far West**, favoring fieldwork such as winter wheat harvesting, but further reducing topsoil moisture and increasing stress on rangeland, pastures, and rain-fed crops. Elsewhere, spotty showers occurred across the **eastern half of the country**, as well as the **Four**

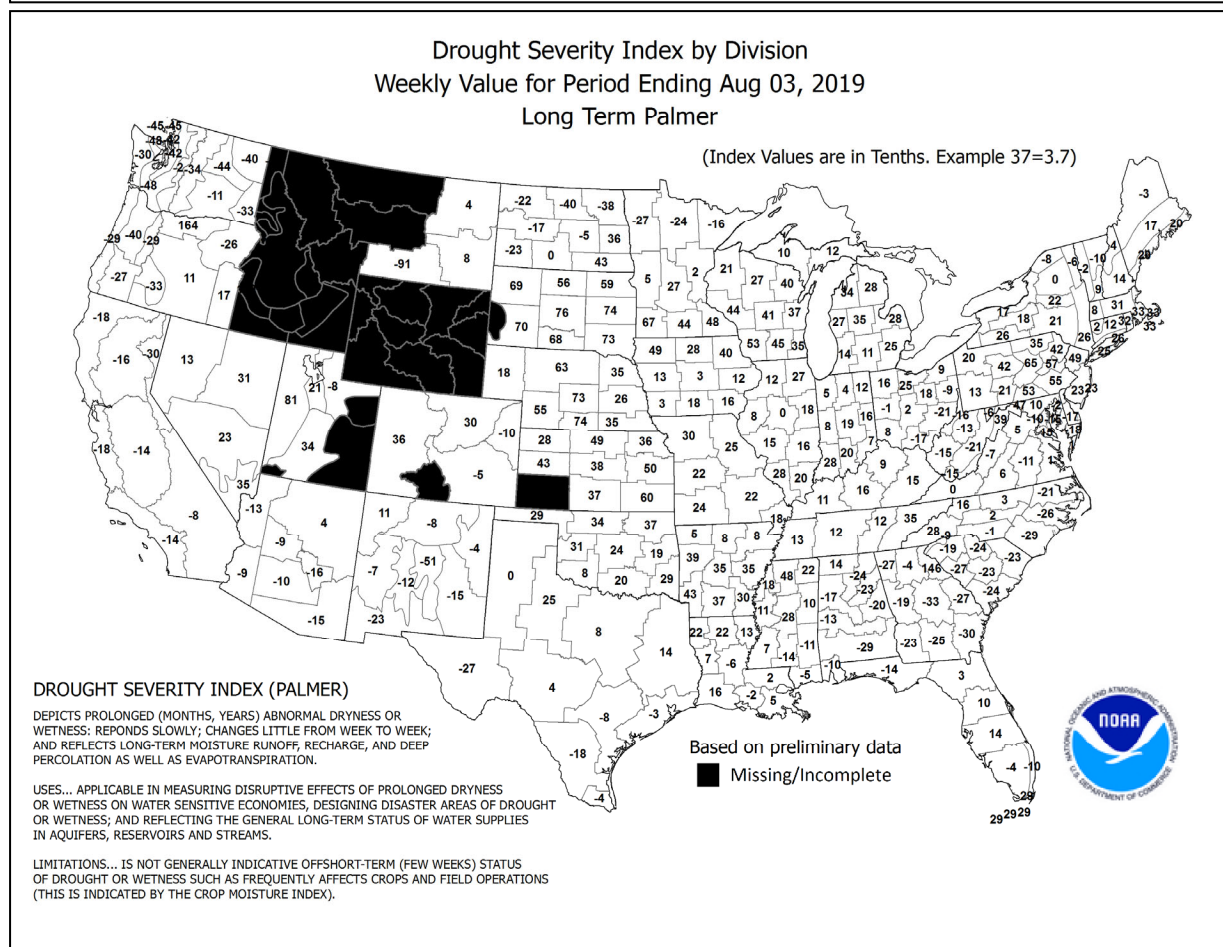
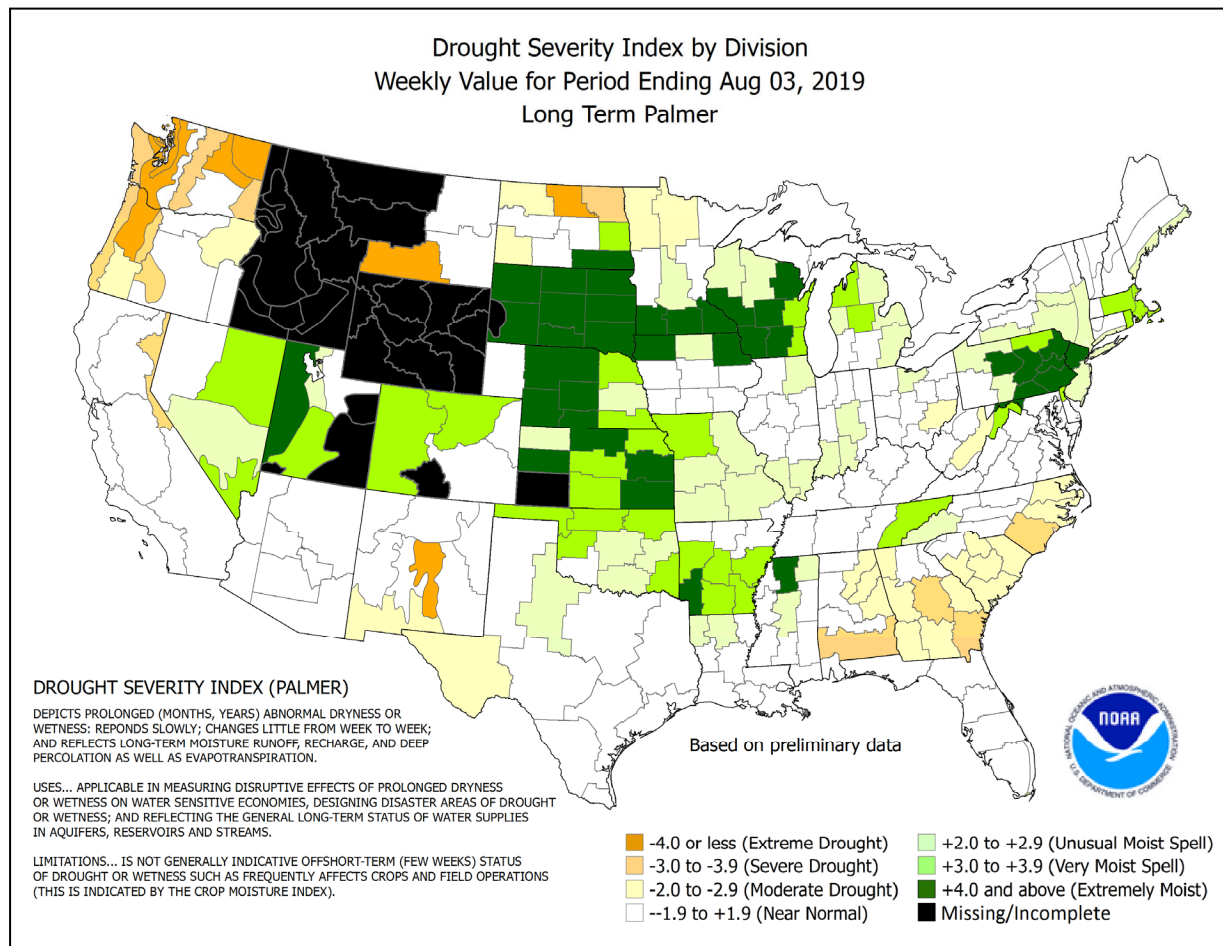
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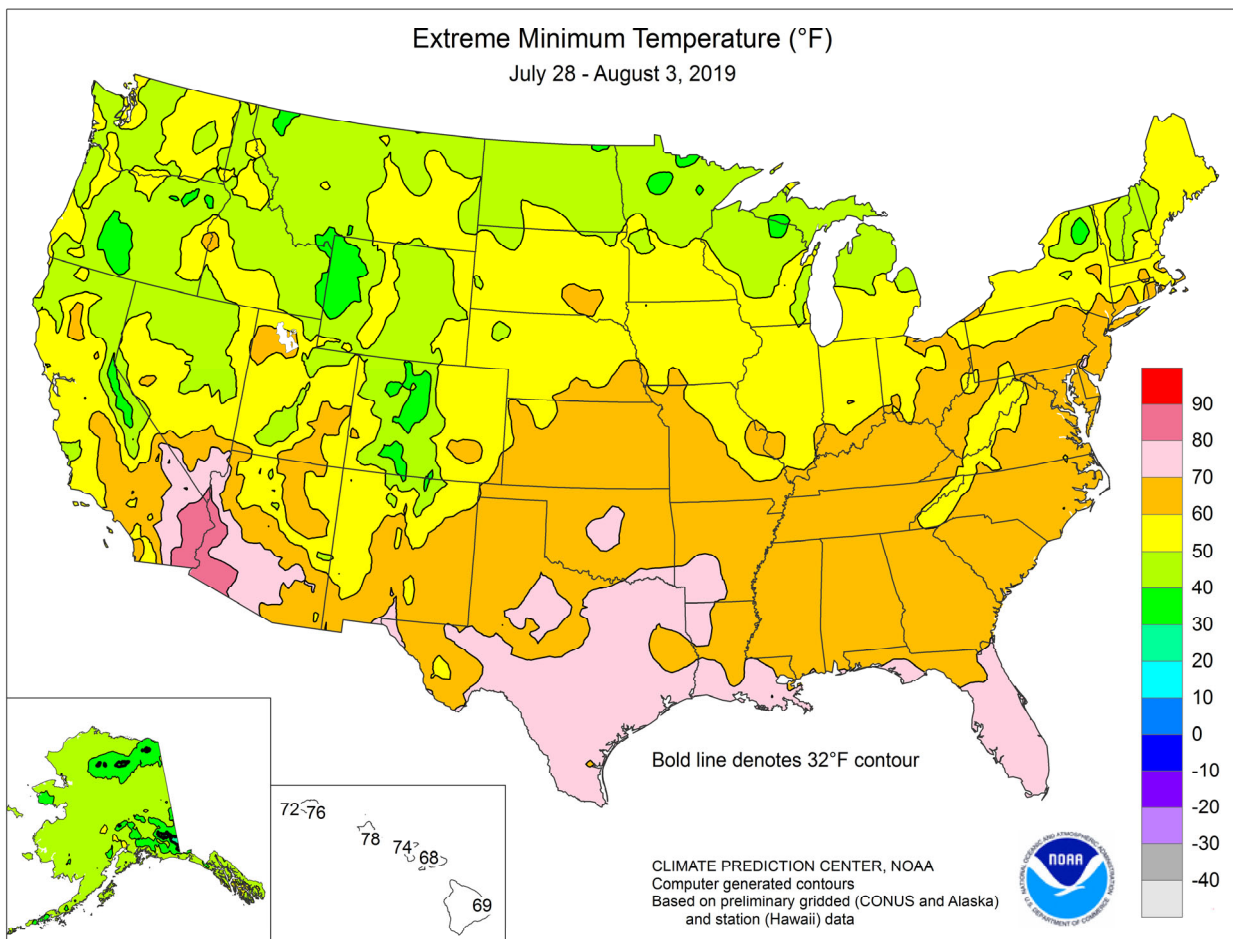
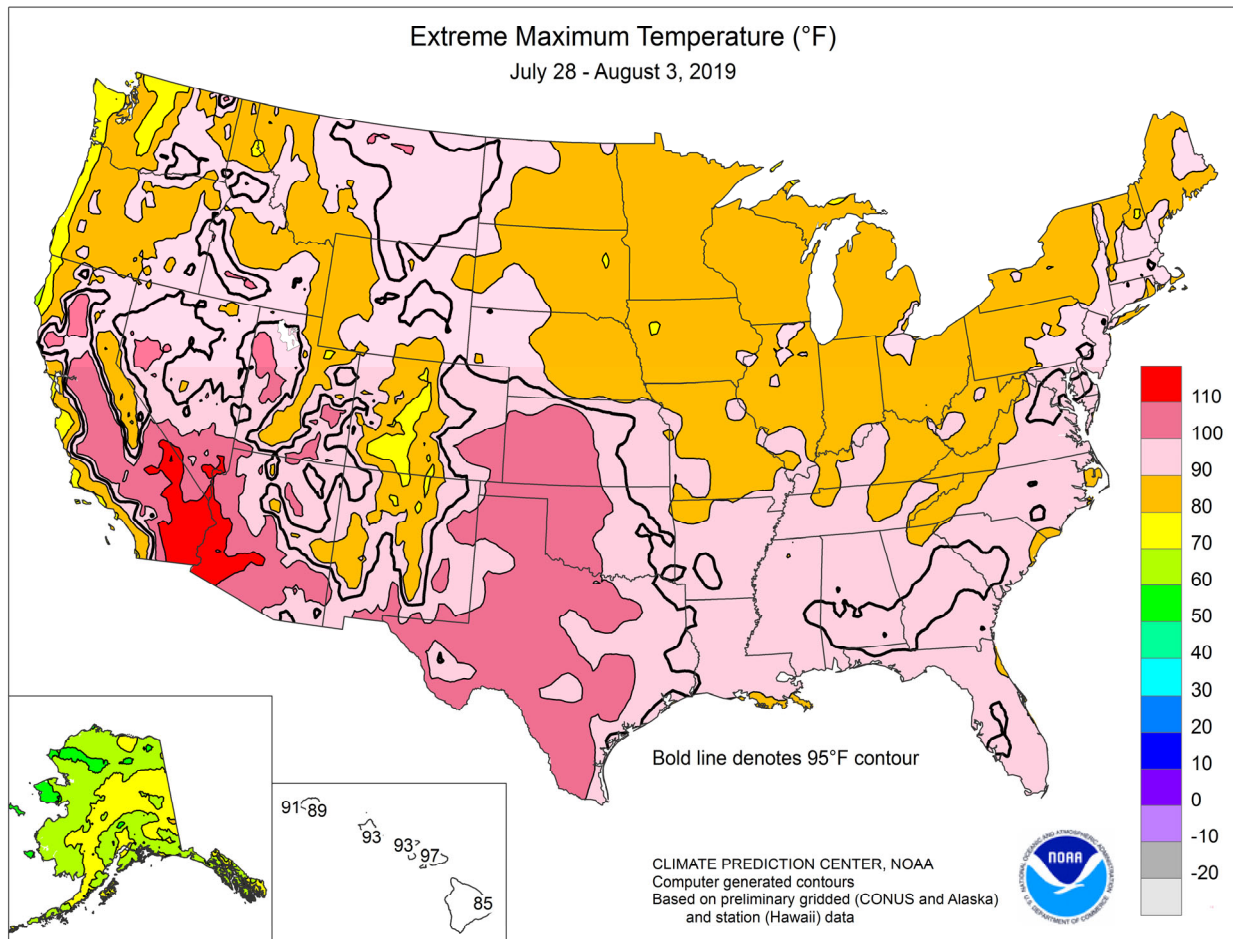
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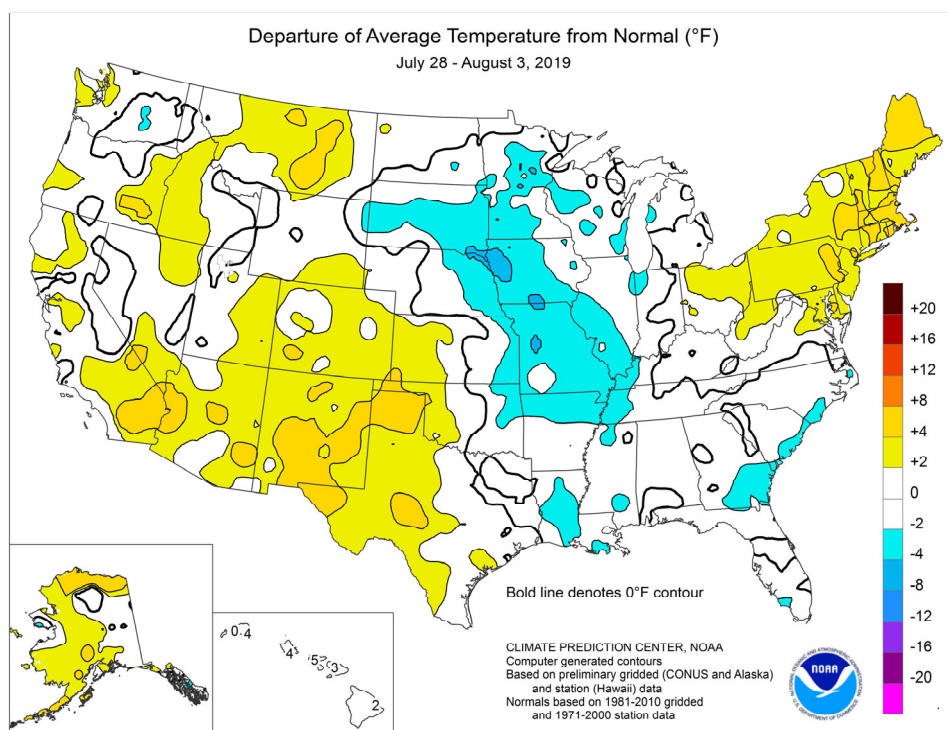
**Corners States** and parts of the **northern Intermountain West**. However, the rain was generally not heavy enough across drier sections of the **central and eastern Corn Belt** to offset the effects of short-term dryness on late-planted, poorly rooted corn and soybeans. Despite the drier-than-normal weather, much of the **Midwest** experienced near- or below-normal temperatures for the second week in a row. However, hotter-than-normal weather covered many other areas of the country, including the **Northeast**, the **southern High Plains**, and much of the **West**. Weekly temperatures averaged at least 5°F above normal in many locations from **southern California to the southern High Plains**.

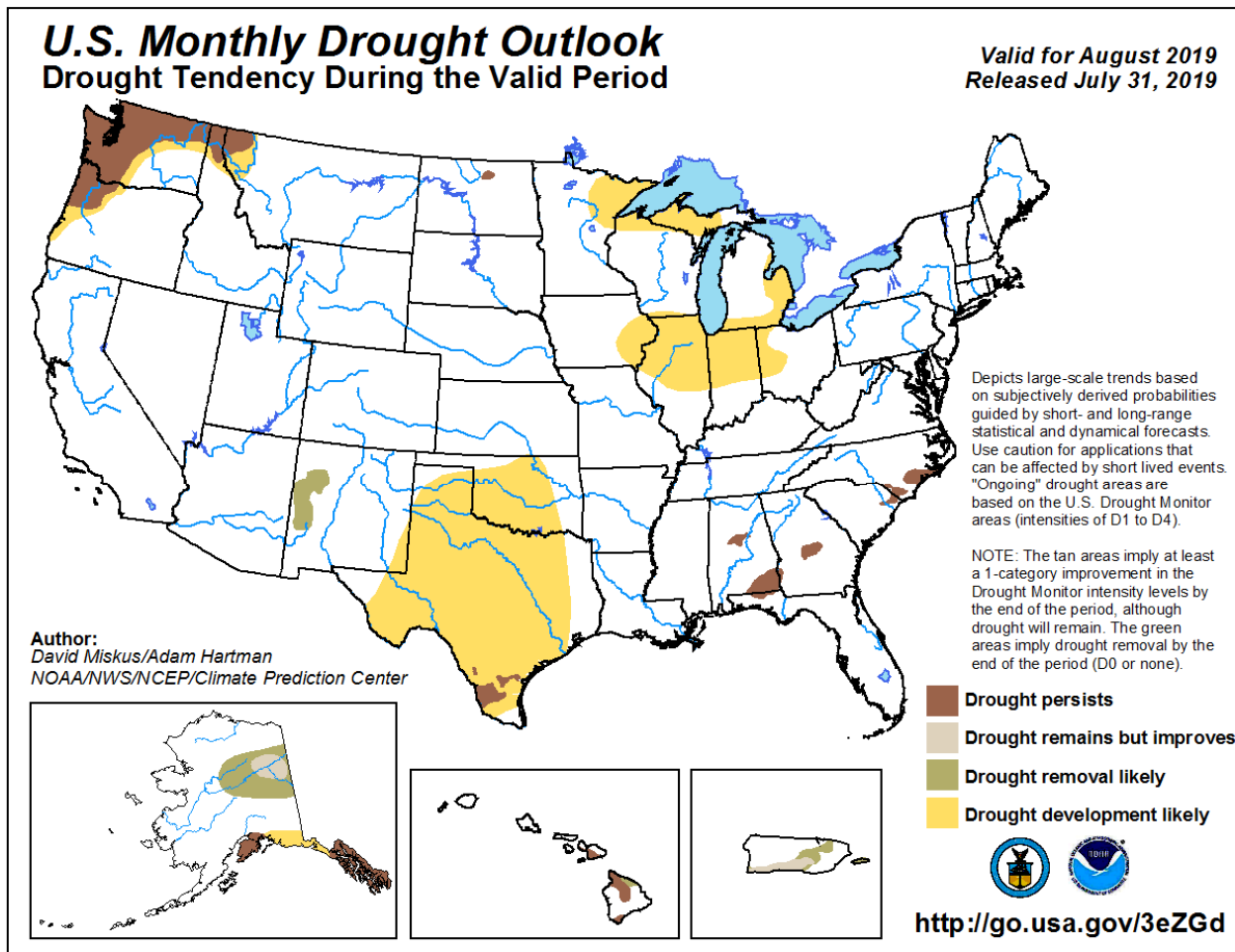
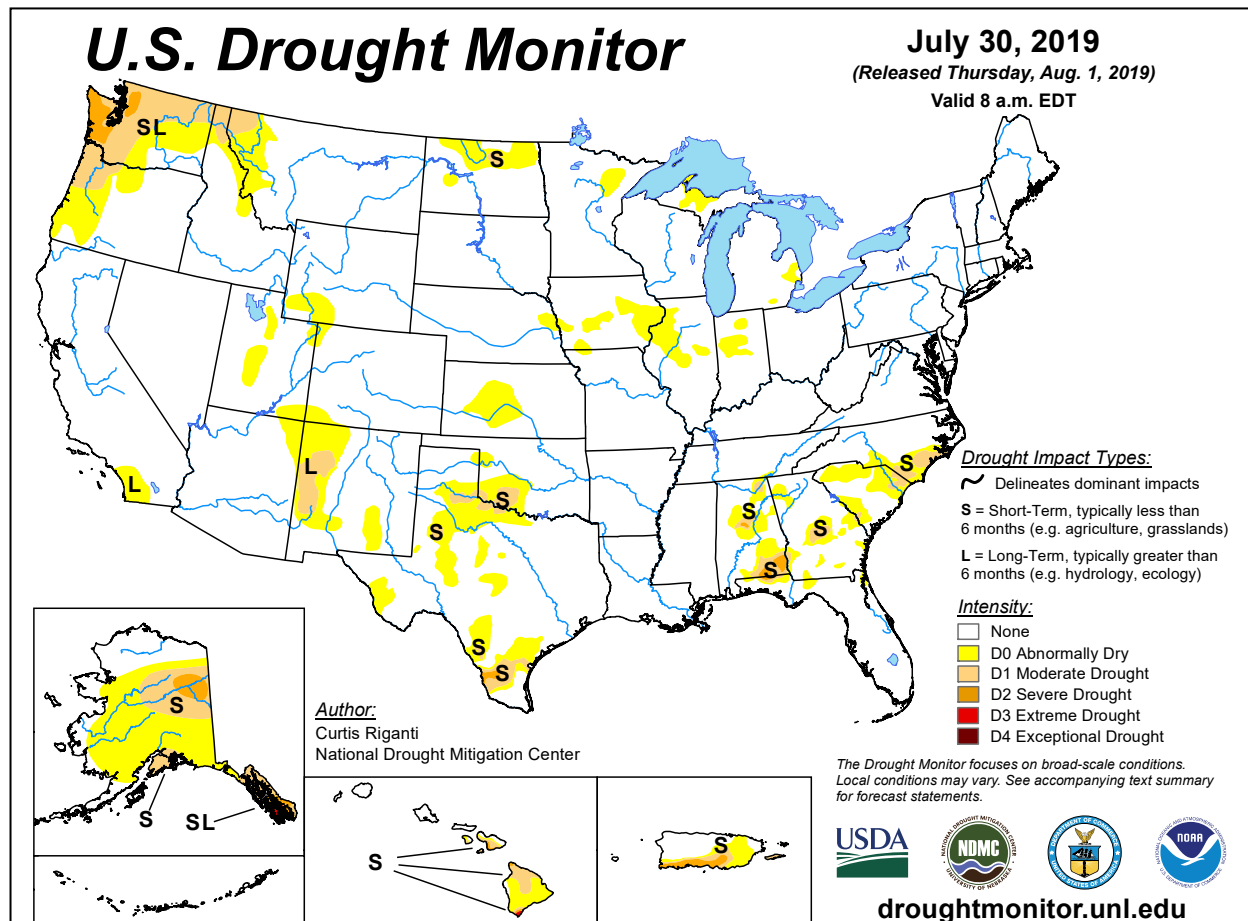
Multiple surges of cool air into the **Midwest** and **Southeast** resulted in several daily-record lows. In the latter region, **New Bern, NC**, noted consecutive daily-record lows of 63°F on July 29-30. Elsewhere in the **Southeast**, daily-record lows included 66°F (on July 29) in **Florence, SC**, and 68°F (on July 30) in **Jacksonville, FL**. Meanwhile in **Minnesota**, **Hibbing** posted consecutive daily-record lows (37 and 39°F, respectively) on July 30-31. **Rhineland, WI**, also registered a daily-record low on July 31, dipping to 40°F. In contrast, a **Northeastern** heat wave led to record-setting highs for July 30 in **Baltimore, MD** (98°F), and **Houlton, ME** (92°F). Farther west, building heat on the **southern High Plains** resulted in consecutive daily-record highs (102 and 103°F, respectively) in **Dalhart, TX**, on July 31 – August 1. Heat also gripped the **Desert Southwest**, where **Thermal, CA**, collected a daily-record high of 117°F on August 2.

Rain was heavy early in the week across parts of the **upper Midwest**, where daily-record totals for July 28 reached 1.72 inches in **Mitchell, SD**, and 1.16 inches in **Brainerd, MN**. Meanwhile, monsoon-related showers affected the **Four Corners States**. On July 29, **Safford, AZ**, netted a record-setting rainfall total of 1.14 inches. Two days later, on July 31, **Kingman, AZ**, tallied a daily-record sum of 1.21 inches. Still, the monsoon did not perform well overall during July in much of the **Southwest**, with **Arizona** monthly rainfall totaling just 0.20 inch (19 percent of normal) in **Winslow** and 0.17 inch (16 percent) in **Phoenix**. Farther east, heavy showers peppered the **central Gulf Coast region** on July 30, when **Alexandria, LA**, received 7.70 inches. During the mid- to late-week period, widely scattered but locally heavy showers developed across the **East**, resulting in daily-record totals for August 1 in locations such as **St. Petersburg, FL** (3.62 inches), and **Greenville-Spartanburg, SC** (3.47 inches). Other daily records in the **East** included 2.10 inches (on August 1) in **Lynchburg, VA**, and 1.96

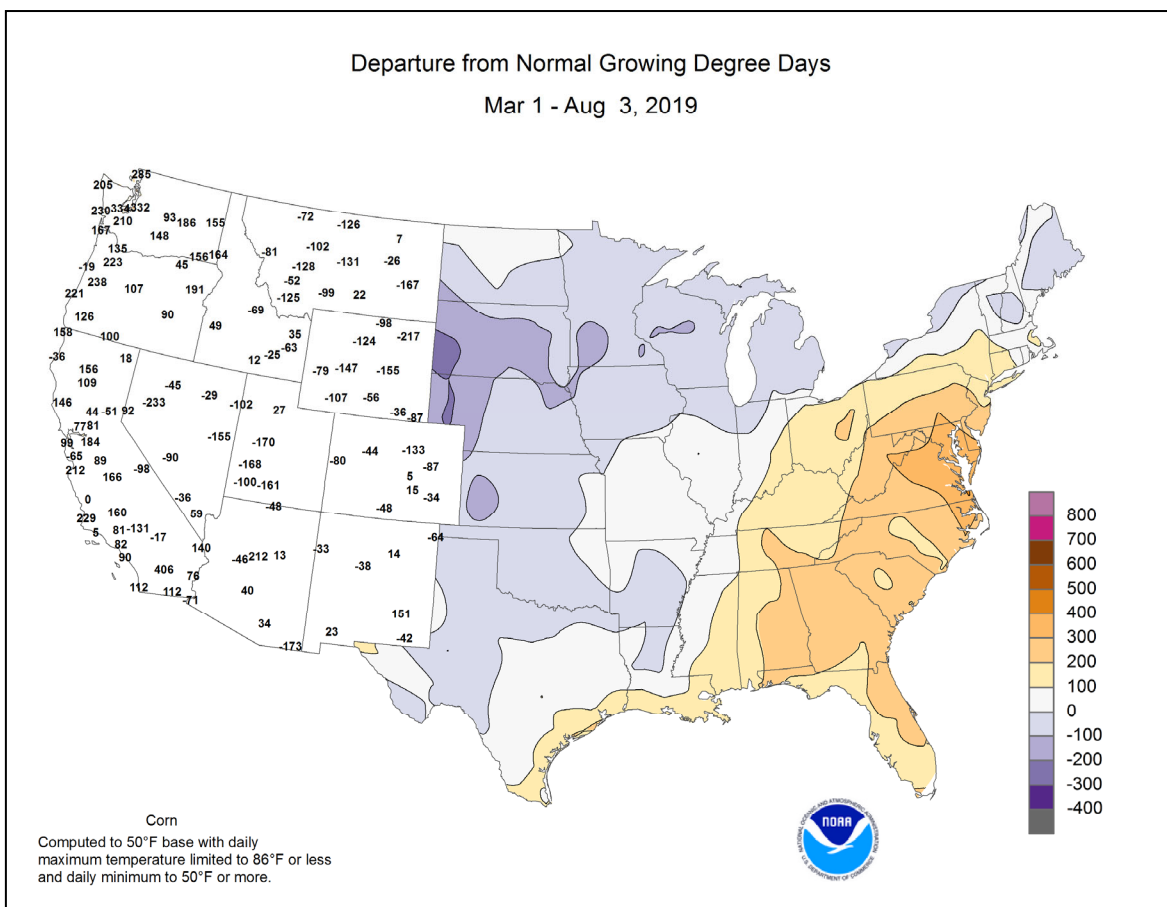
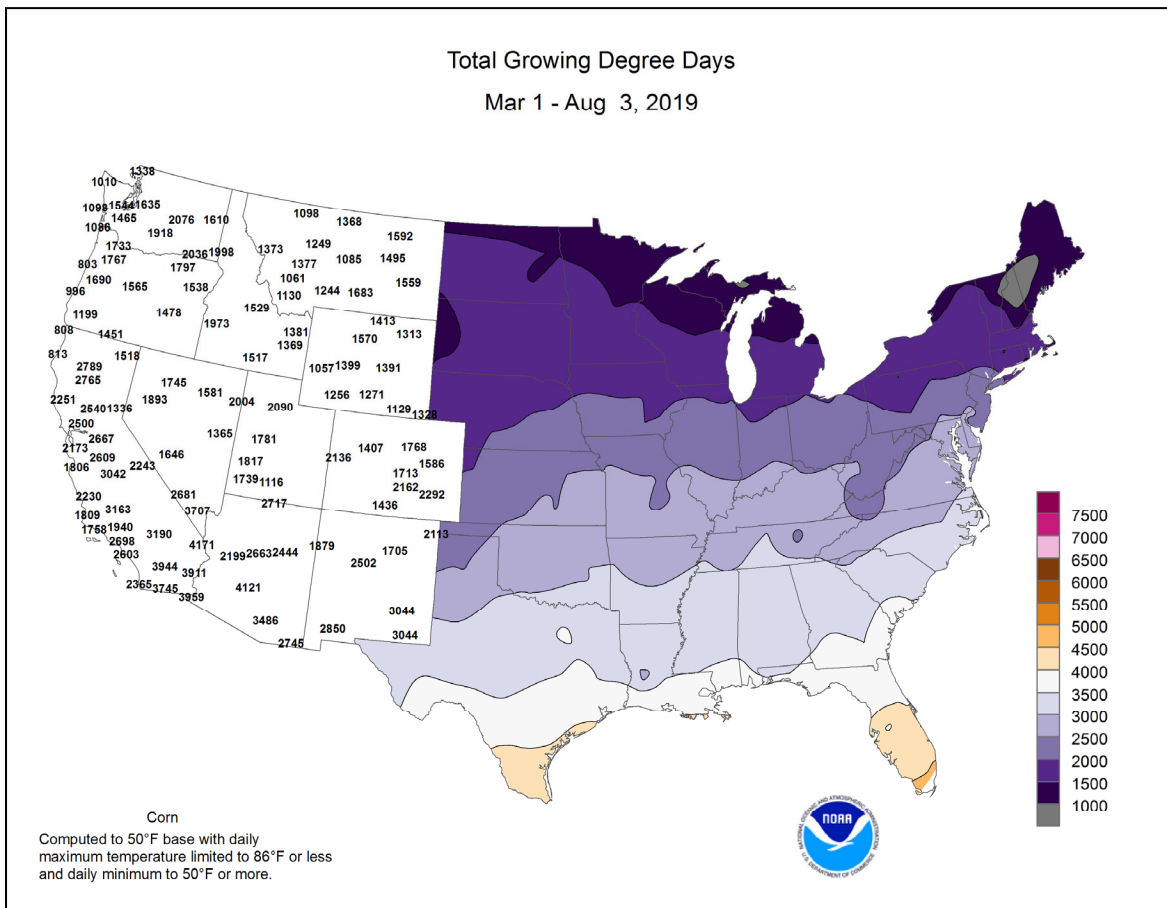
inches (on July 31) in **Greensboro, NC**. Elsewhere, heavy rain drenched parts of **eastern Kansas** and neighboring areas. On July 31 – August 1, **Lawrence, KS**, received 4.33 inches.

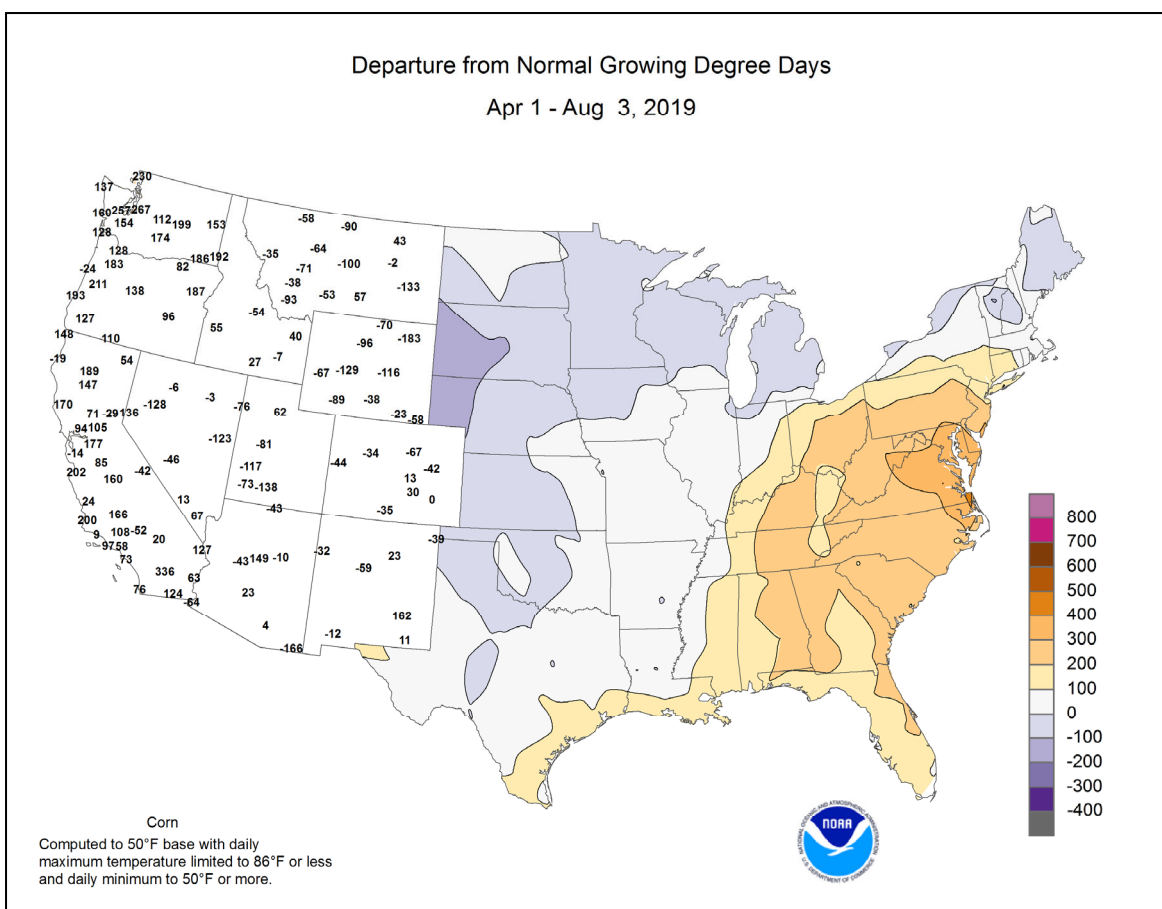
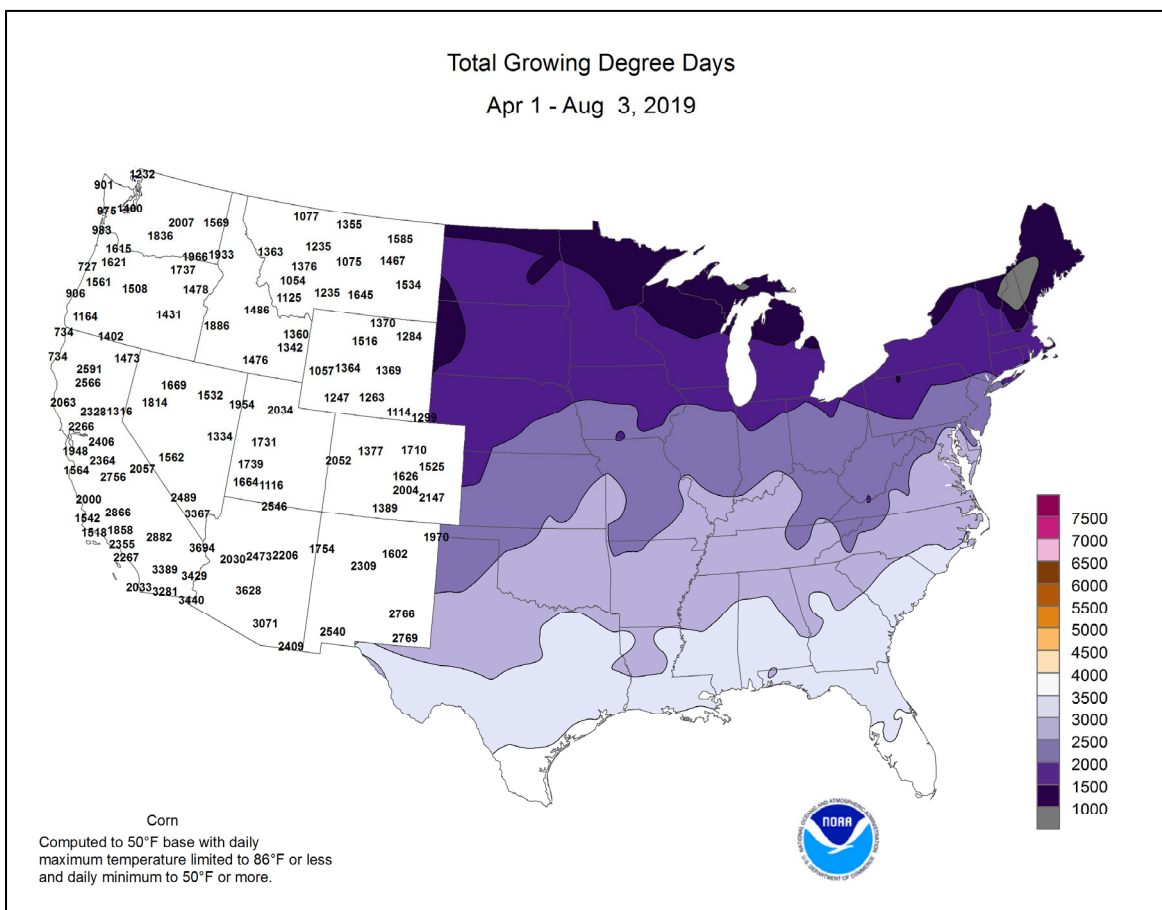
Much-needed precipitation fell in **Alaska**, except across the state's southern tier. Consecutive daily-record rainfall totals were reported in **Kotzebue** (0.67 and 0.72 inch, respectively, on July 30-31) and **Fairbanks** (1.27 and 0.76 inch, respectively, on August 2-3). Other daily-record amounts included 2.16 inches (on August 2) in **Nome** and 1.20 inches (on August 3) in **Bethel**. **Nome's** total marked its wettest day (at any time of year) since August 9, 1956, when 2.36 inches fell. For **Fairbanks**, the 2nd was the wettest August day since August 26, 1990, when 1.38 inches fell. Despite the precipitation, near- or above-normal temperatures prevailed statewide. In the **Aleutians**, **Cold Bay** posted a daily-record high of 67°F on July 29. Elsewhere in **southern Alaska**, it was the warmest July and warmest month on record in locations such as **Anchorage** (65.3°F, or 6.5°F above normal) and **Yakutat** (59.6°F, or 5.3°F above normal). Previous all-time records had been 62.7°F in 2016 in **Anchorage**, and 58.9 in July 1930 in **Yakutat**. Farther south, hot weather prevailed across **Hawaii** in advance of the approach of former Hurricanes Erick and Flossie. During July, high temperatures reached or exceeded the 90-degree mark on 30 days in **Kahului, Maui**, and 25 days in **Honolulu, Oahu**. On July 29, **Kahului** attained 97°F, tying an all-time record most recently achieved on August 22, 2015. The heat persisted into August, with **Honolulu** notching daily-record highs (91, 93, and 92°F) on each of the first 3 days of the month. Although only light rain fell in most leeward areas, heavy showers developed in some windward locations. On the **Big Island**, weekly rainfall in **Hilo** totaled 8.38 inches, with 1 to 3 inches occurring each day from July 31 – August 2.













## National Weather Data for Selected Cities

Weather Data for the Week Ending August 3, 2019

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	PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	92	70	94	69	81	0	0.19	-0.83	0.16	7.67	83	31.86	92	87	43	7	0	3	0
	HUNTSVILLE	91	70	92	69	80	0	0.49	-0.37	0.49	7.55	84	42.48	118	94	60	6	0	1	0
	MOBILE	93	71	94	68	82	0	0.33	-1.12	0.17	13.24	109	34.52	83	96	52	7	0	2	0
	MONTGOMERY	94	70	97	67	82	0	2.11	1.10	2.08	8.68	88	29.25	83	93	45	7	0	2	1
AK	ANCHORAGE	70	55	74	51	63	4	0.05	-0.44	0.05	0.91	31	5.94	95	87	69	0	0	1	0
	BARROW	52	44	59	41	48	8	0.56	0.34	0.26	3.27	255	6.23	339	94	76	0	0	3	0
	FAIRBANKS	69	54	76	50	61	0	2.77	2.38	1.05	4.73	143	8.21	155	90	74	0	0	6	2
	JUNEAU	68	51	76	46	59	2	0.17	-0.85	0.12	5.54	70	23.24	87	87	74	0	0	2	0
AZ	KODIAK	67	50	73	48	59	4	0.01	-0.79	0.01	6.01	61	34.43	85	79	64	0	0	1	0
	NOME	54	45	57	35	49	-4	4.04	3.43	2.47	7.93	223	15.07	209	98	84	0	0	3	2
	FLAGSTAFF	82	54	88	51	68	2	0.52	-0.17	0.22	0.80	26	15.98	127	84	31	0	0	5	0
	PHOENIX	108	85	114	76	96	3	0.23	-0.04	0.12	0.24	20	3.26	76	51	33	7	0	3	0
AR	PRESCOTT	91	65	95	63	78	5	0.37	-0.45	0.15	1.30	36	10.10	97	72	25	6	0	5	0
	TUCSON	101	78	105	72	90	4	0.54	-0.05	0.37	1.12	44	6.16	107	60	34	7	0	3	0
	FORT SMITH	90	74	95	70	82	-1	0.70	0.12	0.62	12.44	161	39.01	151	96	62	4	0	3	1
	LITTLE ROCK	90	71	91	68	81	-2	0.04	-0.59	0.04	7.31	97	41.96	141	94	52	6	0	1	0
CA	BAKERSFIELD	101	72	110	68	87	3	0.00	0.00	0.00	0.23	192	6.50	141	46	26	7	0	0	0
	FRESNO	101	70	107	66	86	4	0.00	0.00	0.00	0.00	0	9.52	121	58	32	7	0	0	0
	LOS ANGELES	74	63	75	62	69	-1	0.00	0.00	0.00	0.05	45	12.86	136	93	75	0	0	0	0
	REDDING	101	67	107	64	84	3	0.00	0.00	0.00	0.00	0	31.08	142	53	27	7	0	0	0
CO	SACRAMENTO	93	61	104	56	77	1	0.00	0.00	0.00	0.00	0	19.36	162	80	28	4	0	0	0
	SAN DIEGO	75	67	77	65	71	-1	0.00	0.00	0.00	0.01	8	8.42	110	87	74	0	0	0	0
	SAN FRANCISCO	72	58	76	55	65	2	0.00	0.00	0.00	0.00	0	18.42	137	82	65	0	0	0	0
	STOCKTON	97	63	106	58	80	2	0.00	0.00	0.00	0.00	0	12.48	138	66	38	7	0	0	0
CT	ALAMOSA	84	49	85	47	67	3	0.01	-0.24	0.01	0.53	32	5.21	137	85	33	0	0	1	0
	CO SPRINGS	89	60	96	55	75	5	0.28	-0.51	0.15	3.59	65	9.28	83	80	25	2	0	5	0
	DENVER INTL	92	61	96	57	77	4	0.37	-0.17	0.29	4.73	114	12.07	130	79	23	5	0	3	0
	GRAND JUNCTION	95	65	99	61	80	3	0.03	-0.15	0.03	0.88	77	6.73	132	58	32	6	0	1	0
DE	PUEBLO	95	63	100	61	79	3	0.71	0.16	0.69	5.29	147	9.72	123	79	37	7	0	2	1
	BRIDGEPORT	88	71	93	67	79	4	0.54	-0.31	0.47	11.00	143	32.89	124	84	56	3	0	2	0
	HARTFORD	91	66	96	60	79	5	0.66	-0.17	0.66	5.37	68	30.17	113	85	46	4	0	1	1
	WASHINGTON	91	74	95	71	83	4	0.01	-0.81	0.01	10.78	151	28.80	124	80	44	6	0	1	0
FL	WILMINGTON	89	72	94	71	81	4	0.40	-0.49	0.40	14.56	177	34.62	133	94	53	3	0	1	0
	DAYTONA BEACH	87	75	90	73	81	-1	2.59	1.49	1.16	18.67	165	30.01	112	100	74	1	0	3	2
	JACKSONVILLE	89	72	94	68	80	-2	2.30	1.03	1.79	11.85	100	24.41	83	95	58	3	0	3	1
	KEY WEST	89	82	92	79	86	1	0.50	-0.31	0.28	4.23	52	15.00	78	79	66	4	0	3	0
GA	MIAMI	91	77	94	74	84	0	4.21	2.89	2.53	25.84	173	39.06	129	84	60	5	0	5	2
	ORLANDO	92	75	94	73	83	1	1.52	0.13	0.39	15.61	103	27.24	92	92	58	5	0	6	0
	PENSACOLA	92	73	93	72	82	-1	1.08	-0.64	1.07	13.43	89	28.34	71	94	52	7	0	2	1
	TALLAHASSEE	93	71	95	68	82	0	0.08	-1.68	0.07	13.73	87	26.04	64	92	50	6	0	2	0
HI	TAMPA	91	75	95	73	83	0	1.35	-0.14	0.69	21.10	167	37.55	150	87	61	6	0	2	2
	WEST PALM BEACH	91	77	93	74	84	1	1.04	-0.09	0.59	11.14	79	32.16	98	86	66	7	0	6	1
	ATHENS	93	68	97	66	81	1	0.43	-0.52	0.20	8.76	100	24.79	83	87	53	7	0	3	0
	ATLANTA	91	71	94	70	81	1	0.47	-0.57	0.29	8.87	97	30.02	94	81	50	6	0	3	0
ID	AUGUSTA	96	67	98	62	81	0	0.12	-0.81	0.05	7.92	91	22.40	80	90	46	7	0	3	0
	COLUMBUS	93	71	95	68	82	0	0.73	-0.34	0.45	11.08	123	28.64	91	88	42	6	0	3	0
	MACON	96	68	99	64	82	1	2.81	1.89	2.23	10.51	127	23.92	83	91	36	7	0	3	1
	SAVANNAH	91	71	95	68	81	-1	0.09	-1.37	0.07	15.83	130	26.50	89	93	59	6	0	2	0
IL	HILO	85	71	85	69	78	2	8.38	6.05	3.03	17.80	93	52.33	72	88	75	0	0	7	4
	HONOLULU	91	80	93	78	85	4	0.00	-0.13	0.00	5.80	586	8.88	90	65	60	7	0	0	0
	KAHULUI	91	74	97	68	82	3	0.29	0.18	0.16	0.36	47	9.64	83	76	68	5	0	3	0
	LIHUE	88	78	89	76	83	4	0.68	0.21	0.25	7.95	192	16.41	77	80	74	0	0	7	0
IN	BOISE	97	65	98	60	81	5	0.03	0.00	0.02	0.07	6	12.14	159	51	31	7	0	2	0
	LEWISTON	93	61	98	58	77	2	0.00	-0.14	0.00	1.24	64	9.18	115	43	27	6	0	0	0
	POCATELLO	93	52	96	46	72	1	0.16	0.02	0.16	0.72	43	9.26	117	72	32	6	0	1	0
	CHICAGO/O'HARE	82	64	89	57	73	-1	0.32	-0.55	0.32	6.99	93	28.21	137	85	53	0	0	1	0
IA	MOLINE	87	62	91	54	74	-1	0.01	-0.90	0.01	5.69	63	30.87	133	84	54	2	0	1	0
	PEORIA	86	63	90	56	74	-1	0.03	-0.78	0.03	7.09	86	31.39	143	83	43	1	0	1	0
	ROCKFORD	86	61	91	54	74	1	0.06	-0.79	0.06	6.01	65	28.38	129	88	56	1	0	1	0
	SPRINGFIELD	85	62	89	55	74	-2	0.29	-0.48	0.29	7.66	100	30.77	142	95	49	0	0	1	0
KS	EVANSVILLE	87	67	89	62	77	-1	1.25	0.49	1.24	11.07	135	40.82	146	86	56	0	0	2	1
	FORT WAYNE	84	62	88	55	73	0	1.10	0.33	1.10	6.05	76	24.91	113	92	50	0	0	1	1
	INDIANAPOLIS	86	67	88	61	76	1	0.68	-0.28	0.68	11.37	127	34.49	137	84	44	0	0	1	1
	SOUTH BEND	82	59	88	53	71	-2	0.13	-0.65	0.13	7.98	97	28.52	127	90	61	0	0	1	0
LA	BURLINGTON	85	63	89	60	74	-2	0.02	-0.91	0.02	5.74	62	28.43	123	86	45	0	0	1	0
	CEDAR RAPIDS	82	60																	

## Weather Data for the Week Ending August 3, 2019

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 JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIP		
																			.01 INCH OR MORE	.50 INCH OR MORE	
KY	WICHITA	92	71	100	67	82	0	1.56	0.90	1.06	8.92	114	28.61	149	80	54	5	0	4	1	
	JACKSON	87	65	88	63	76	1	0.18	-0.80	0.18	14.99	155	38.22	126	99	56	0	0	1	0	
	LEXINGTON	89	67	91	65	78	2	0.66	-0.35	0.61	10.98	112	34.35	117	86	51	4	0	2	1	
	LOUISVILLE	91	71	94	69	81	2	0.32	-0.61	0.32	9.13	108	36.50	130	81	42	6	0	1	0	
LA	PADUCAH	89	66	92	61	78	0	0.86	0.06	0.67	13.55	146	52.09	170	89	54	4	0	2	1	
	BATON ROUGE	91	73	93	72	82	0	0.87	-0.45	0.42	14.82	125	42.48	109	96	55	5	0	4	0	
	LAKE CHARLES	91	75	95	73	83	0	1.26	0.28	0.96	14.44	124	42.91	128	94	62	6	0	3	1	
	NEW ORLEANS	91	75	94	72	83	0	1.74	0.54	1.26	17.14	127	44.17	111	88	73	5	0	4	1	
ME	SHREVEPORT	94	73	96	71	84	0	0.09	-0.63	0.05	8.63	92	31.34	98	94	50	7	0	2	0	
	CARIBOU	84	60	90	54	72	6	0.77	-0.16	0.38	5.52	73	24.13	114	90	47	1	0	3	0	
	PORTLAND	85	64	90	58	74	5	0.00	-0.70	0.00	8.38	121	29.84	113	86	48	1	0	0	0	
	BALTIMORE	93	71	98	68	82	6	0.30	-0.55	0.30	7.10	93	25.80	103	81	48	6	0	1	0	
MA	BOSTON	91	71	96	67	81	7	1.26	0.59	1.25	10.97	167	31.16	127	77	39	4	0	2	1	
	WORCESTER	84	66	89	63	75	4	0.10	-0.83	0.09	8.28	96	31.53	111	95	50	0	0	2	0	
	ALPENA	82	55	87	47	68	1	0.15	-0.62	0.15	5.04	84	21.24	131	93	47	0	0	1	0	
	GRAND RAPIDS	83	62	87	55	72	0	0.29	-0.43	0.29	8.29	110	28.12	137	89	47	0	0	1	0	
MI	HOUGHTON LAKE	80	53	86	44	67	0	0.63	-0.04	0.58	7.45	125	22.95	146	93	52	0	0	2	1	
	LANSING	83	61	90	53	72	2	0.26	-0.28	0.26	10.18	156	25.78	146	86	60	1	0	1	0	
	MUSKEGON	81	61	85	55	71	0	0.06	-0.54	0.06	5.98	116	28.16	164	81	49	0	0	1	0	
	TRAVERSE CITY	81	57	89	47	69	-1	0.06	-0.57	0.06	6.48	96	23.81	129	89	45	0	0	1	0	
MN	DULUTH	80	58	87	49	69	3	1.84	0.98	1.53	7.06	80	19.69	113	84	56	0	0	3	1	
	INT'L FALLS	80	50	88	37	65	-2	0.19	-0.46	0.13	7.74	102	16.66	119	100	55	0	0	3	0	
	MINNEAPOLIS	81	64	87	59	73	-1	0.60	-0.29	0.36	10.48	120	27.89	155	85	55	0	0	2	0	
	ROCHESTER	80	57	83	52	69	-1	0.11	-0.91	0.11	16.49	182	37.70	197	92	60	0	0	1	0	
MS	ST. CLOUD	78	58	85	49	68	-2	1.79	1.07	1.79	9.94	122	25.01	155	96	53	0	0	1	1	
	JACKSON	92	70	94	68	81	-1	0.44	-0.54	0.28	8.89	100	38.13	107	91	49	7	0	3	0	
	MERIDIAN	93	70	96	67	81	-1	2.05	0.98	1.30	8.61	87	41.46	107	92	55	5	0	2	2	
	TUPELO	93	71	94	69	82	1	0.05	-0.62	0.04	15.81	181	53.79	151	85	51	7	0	2	0	
MO	COLUMBIA	87	65	90	59	76	-2	0.27	-0.56	0.14	7.86	96	30.55	126	88	49	2	0	2	0	
	KANSAS CITY	86	67	91	63	77	-2	0.35	-0.52	0.22	11.13	121	35.68	156	87	53	1	0	3	0	
	SAINT LOUIS	87	69	91	65	78	-2	0.72	-0.05	0.72	10.39	130	36.76	154	78	50	1	0	1	1	
	SPRINGFIELD	87	69	92	65	78	-1	2.14	1.57	1.61	9.38	106	36.66	141	89	61	1	0	3	1	
MT	BILLINGS	95	65	98	59	80	6	0.05	-0.16	0.03	4.79	147	13.60	136	54	19	6	0	2	0	
	BUTTE	85	47	88	45	66	2	0.31	0.01	0.14	2.47	67	8.70	102	80	17	0	0	4	0	
	CUT BANK	88	51	94	45	70	5	0.01	-0.31	0.01	3.01	72	7.90	93	67	14	2	0	1	0	
	GLASGOW	93	63	99	53	78	6	0.00	-0.32	0.00	5.09	124	9.65	126	65	32	5	0	0	0	
NE	GREAT FALLS	92	54	97	47	73	5	0.03	-0.29	0.02	3.16	83	12.68	127	73	15	6	0	2	0	
	HAVRE	94	57	100	50	75	5	0.00	-0.29	0.00	3.68	104	8.39	108	65	25	6	0	0	0	
	MISSOULA	92	52	95	47	72	3	0.18	-0.04	0.18	1.82	63	9.63	110	74	36	5	0	1	0	
	GRAND ISLAND	84	67	87	59	75	-1	1.51	0.82	1.51	11.81	165	27.65	162	87	63	0	0	1	1	
NV	LINCOLN	83	67	88	62	75	-3	0.06	-0.73	0.04	8.48	115	23.75	132	87	65	0	0	2	0	
	NORFOLK	81	63	85	56	72	-3	0.33	-0.39	0.15	6.56	79	22.02	122	91	68	0	0	3	0	
	NORTH PLATTE	86	63	91	56	75	0	0.06	-0.59	0.04	10.45	158	23.31	166	89	56	1	0	2	0	
	OMAHA	82	67	87	61	75	-2	0.33	-0.46	0.19	6.46	79	21.69	113	86	61	0	0	3	0	
NH	SCOTTSBLUFF	91	62	93	57	76	2	0.01	-0.35	0.01	5.15	104	20.46	175	94	57	6	0	1	0	
	VALENTINE	88	64	93	56	76	1	0.14	-0.55	0.06	9.22	138	24.96	182	87	51	3	0	4	0	
	ELY	91	50	94	47	70	1	0.00	-0.17	0.00	0.65	49	11.99	198	64	18	5	0	0	0	
	LAS VEGAS	107	85	112	78	96	5	0.01	-0.10	0.01	0.04	7	4.64	164	26	16	7	0	1	0	
NJ	RENO	95	60	99	57	78	6	0.00	-0.03	0.00	0.25	35	8.76	188	43	20	7	0	0	0	
	WINNEMUCCA	97	50	99	45	74	1	0.00	-0.03	0.00	0.14	14	7.16	138	45	14	7	0	0	0	
	CONCORD	88	59	94	48	73	3	1.14	0.40	1.10	***	***	***	94	43	3	0	2	1		
	NEWARK	90	72	95	70	81	3	1.83	0.79	1.60	13.05	153	37.00	132	80	47	3	0	2	1	
NM	ALBUQUERQUE	93	69	95	67	81	3	0.34	-0.03	0.31	2.35	113	5.80	123	65	24	7	0	3	0	
	ALBANY	87	66	92	60	76	4	1.24	0.47	0.81	9.95	132	26.27	118	84	50	3	0	5	1	
	BINGHAMTON	82	62	85	57	72	3	0.66	-0.03	0.48	8.79	116	26.91	119	88	56	0	0	4	0	
	BUFFALO	83	65	87	59	74	3	0.74	0.06	0.50	6.43	89	24.75	111	84	49	0	0	3	1	
NY	ROCHESTER	85	63	91	54	74	3	0.01	-0.63	0.01	6.59	100	19.58	103	84	47	1	0	1	0	
	SYRACUSE	86	64	91	55	75	4	1.31	0.52	1.10	8.29	103	26.74	118	85	45	2	0	2	1	
	ASHEVILLE	84	63	87	59	74	1	1.01	0.14	0.53	11.08	128	38.22	132	91	60	0	0	2	1	
	CHARLOTTE	91	68	94	64	79	-1	2.09	1.24	1.44	11.56	153	33.03	126	83	43	5	0	3	1	
NC	GREENSBORO	88	67	91	66	78	0	2.33	1.40	1.96	14.79	177	35.06	134	93	51	3	0	2	1	
	HATTERAS	88	72	92	65	80	1	1.09	-0.23	0.94	6.00	64	34.54	110	93	58	3	0	2	1	
	RALEIGH	91	67	95	63	79	0	1.32	0.39	0.88	8.75	108	29.17	111	89	61	5	0	3	1	
	WILMINGTON	88	68	91	63	78	-3	0.24	-1.47	0.13	7.21	53	18.60	56	92	52	3	0	3	0	
ND	BISMARCK	83	61	88	50	72	0	0.02	-0.52	0.02	6.48	120	13.96	128	91	59	0	0	1	0	
	DICKINSON	86	57	91	47	72	1	0.00	-0.31	0.00	5.33	96	14.14	128	94	36	1	0	0	0	
	FARGO	81	60	85	45	70	-2	0.89	0.31	0.83	8.93	134	18.94	144	92	51	0	0	2	1	
	GRAND FORKS	83	57	88	43	70	0	0.34	-0.32	0.34	6.17										



## Weather Data for the Week Ending August 3, 2019

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 JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
OK	TOLEDO	88	66	92	59	77	4	0.32	-0.25	0.32	9.37	137	27.16	138	83	52	2	0	1	0	
	YOUNGSTOWN	85	63	88	58	74	4	0.15	-0.63	0.11	12.31	148	34.44	153	83	50	0	0	2	0	
	OKLAHOMA CITY	95	71	100	69	83	0	0.05	-0.48	0.05	7.05	91	30.94	141	91	43	6	0	1	0	
OR	TULSA	91	73	95	69	82	-2	0.98	0.45	0.63	11.37	144	38.54	154	90	66	5	0	4	1	
	ASTORIA	71	56	74	50	63	2	0.20	0.07	0.20	2.71	72	24.71	67	91	73	0	0	1	0	
	BURNS	92	51	92	49	72	5	0.00	-0.08	0.00	1.05	95	11.09	170	56	28	7	0	0	0	
PA	EUGENE	87	54	91	50	70	3	0.00	-0.08	0.00	0.58	26	22.65	80	84	55	1	0	0	0	
	MEDFORD	93	59	97	54	76	2	0.00	-0.06	0.00	0.01	1	13.86	139	62	23	5	0	0	0	
	PENDLETON	90	57	94	49	74	0	0.00	-0.08	0.00	0.33	27	9.61	128	54	30	5	0	0	0	
	PORTLAND	85	61	90	60	73	4	0.04	-0.07	0.04	1.30	55	14.22	70	77	58	1	0	1	0	
	SALEM	84	56	89	53	70	2	0.01	-0.05	0.01	0.86	42	19.41	88	83	55	0	0	1	0	
	ALLENTOWN	90	68	94	66	79	6	0.58	-0.36	0.58	15.31	177	41.69	158	83	45	3	0	1	1	
	ERIE	83	66	89	62	75	3	0.70	0.02	0.41	7.44	95	24.06	107	82	58	0	0	3	0	
	MIDDLETOWN	90	70	95	69	80	4	0.05	-0.69	0.03	8.39	108	30.72	126	88	47	3	0	3	0	
	PHILADELPHIA	91	73	96	71	82	4	0.01	-0.95	0.01	13.97	173	35.15	138	81	49	5	0	1	0	
	PITTSBURGH	85	67	88	63	76	3	0.15	-0.64	0.13	13.37	159	34.33	146	90	49	0	0	2	0	
RI	WILKES-BARRE	88	65	92	64	77	5	0.66	-0.03	0.32	13.50	169	32.90	148	93	48	2	0	3	0	
	WILLIAMSPORT	86	65	91	62	76	3	0.98	0.24	0.49	13.48	152	33.98	137	92	58	1	0	2	0	
	PROVIDENCE	89	68	93	63	78	4	0.00	-0.73	0.00	8.19	119	31.99	119	87	55	4	0	0	0	
SC	CHARLESTON	88	71	93	67	80	-2	0.27	-1.10	0.18	16.98	134	24.69	82	93	54	2	0	2	0	
	COLUMBIA	92	69	94	64	81	-1	0.64	-0.60	0.61	12.56	114	24.47	81	85	53	6	0	3	1	
	FLORENCE	92	69	95	66	81	0	1.36	0.10	0.78	10.45	104	23.79	87	92	42	6	0	2	2	
SD	GREENVILLE	91	67	94	66	79	0	3.83	2.78	3.49	12.10	134	33.15	107	91	45	5	0	4	1	
	ABERDEEN	81	61	84	51	71	-2	1.13	0.55	0.99	9.08	136	19.92	148	91	64	0	0	2	1	
	HURON	78	62	84	56	70	-4	4.97	4.43	3.71	13.32	209	28.00	195	92	70	0	0	2	2	
TN	RAPID CITY	82	59	89	53	71	-2	0.89	0.48	0.84	9.52	189	26.77	228	93	51	0	0	3	1	
	SIOUX FALLS	78	63	83	54	71	-3	0.54	-0.09	0.43	10.02	150	28.08	180	89	67	0	0	3	0	
	BRISTOL	88	63	90	60	76	2	0.03	-0.80	0.02	11.04	131	37.45	140	94	44	2	0	2	0	
TX	CHATTANOOGA	91	69	94	67	80	0	0.77	-0.15	0.52	7.91	87	42.48	125	93	57	5	0	3	1	
	KNOXVILLE	89	67	91	64	78	0	0.00	-0.91	0.00	12.91	142	45.11	143	92	48	3	0	0	0	
	MEMPHIS	91	72	93	70	81	-2	0.71	-0.07	0.68	17.07	193	47.78	141	88	51	5	0	2	1	
	NASHVILLE	92	70	93	66	81	2	1.59	0.82	0.86	13.97	171	43.99	148	86	45	7	0	3	2	
	ABILENE	99	75	101	72	87	3	0.00	-0.39	0.00	4.46	90	18.80	145	70	40	7	0	0	0	
	AMARILLO	99	67	102	62	83	5	0.20	-0.41	0.16	5.75	92	13.52	109	71	22	7	0	2	0	
	AUSTIN	97	73	100	70	85	0	0.00	-0.43	0.00	5.60	94	24.78	127	83	39	7	0	0	0	
	BEAUMONT	92	76	96	74	84	1	1.95	0.97	1.13	22.33	183	46.09	133	93	66	7	0	3	2	
	BROWNSVILLE	96	78	97	77	87	3	1.02	0.71	1.02	7.96	164	13.64	107	96	56	7	0	1	1	
	CORPUS CHRISTI	96	75	98	73	86	2	0.00	-0.45	0.00	3.17	55	12.82	78	94	55	7	0	0	0	
UT	DEL RIO	102	78	104	76	90	4	0.00	-0.37	0.00	7.85	174	13.26	120	71	41	7	0	0	0	
	EL PASO	100	77	104	75	89	6	0.16	-0.20	0.14	1.31	52	2.02	48	50	20	7	0	2	0	
	FORT WORTH	96	77	100	75	86	0	0.20	-0.30	0.20	5.11	92	24.89	117	82	44	6	0	1	0	
	GALVESTON	91	81	92	79	86	1	0.52	-0.17	0.19	8.55	110	25.67	109	84	61	7	0	4	0	
	HOUSTON	95	75	97	74	85	1	0.47	-0.17	0.42	9.69	110	26.81	97	90	53	7	0	3	0	
	LUBBOCK	98	70	101	65	84	4	0.03	-0.38	0.03	2.25	43	9.15	84	63	33	7	0	1	0	
	MIDLAND	99	73	103	69	86	4	0.00	-0.40	0.00	3.03	80	11.08	142	61	33	7	0	0	0	
	SAN ANGELO	102	74	105	70	88	5	0.21	-0.04	0.21	4.75	127	14.38	126	67	34	7	0	1	0	
	SAN ANTONIO	98	77	100	74	88	3	0.00	-0.42	0.00	5.66	87	14.99	78	84	36	7	0	0	0	
	VICTORIA	99	76	101	73	87	2	0.00	-0.50	0.00	4.59	57	14.63	64	91	46	7	0	0	0	
VA	WACO	97	77	100	73	87	1	0.02	-0.42	0.02	8.43	153	27.74	140	84	50	6	0	1	0	
	WICHITA FALLS	99	73	101	68	86	0	0.00	-0.31	0.00	4.68	87	19.70	116	88	43	7	0	0	0	
	SALT LAKE CITY	97	70	101	65	84	6	0.02	-0.15	0.02	0.93	60	15.14	147	55	18	7	0	1	0	
WV	BURLINGTON	87	64	93	55	76	5	0.40	-0.48	0.32	6.94	89	23.56	117	85	37	2	0	2	0	
	LYNCHBURG	89	64	92	62	77	2	2.10	1.21	2.10	9.48	111	26.78	101	95	49	4	0	1	1	
	NORFOLK	89	72	93	68	80	1	1.01	-0.18	1.01	9.31	99	28.06	101	87	52	4	0	1	1	
WA	RICHMOND	92	69	95	67	81	3	1.20	0.14	0.59	12.10	140	32.48	123	83	47	6	0	3	1	
	ROANOKE	89	67	92	65	78	2	0.48	-0.39	0.25	10.49	130	28.23	108	87	48	4	0	3	0	
	WASH/DULLES	92	67	97	63	80	4	0.02	-0.75	0.02	5.17	65	25.06	101	84	44	4	0	1	0	
WY	OLYMPIA	82	52	86	49	67	3	0.16	0.05	0.16	1.56	59	16.58	60	92	61	0	0	1	0	
	QUILLAYUTE	71	54	74	50	63	3	0.87	0.37	0.74	4.83	80	36.48	65	95	74	0	0	3	1	
	SEATTLE-TACOMA	81	59	85	57	70	4	0.37	0.26	0.37	2.43	104	16.39	83	77	55	0	0	1	0	
WV	SPOKANE	87	59	89	52	73	3	0.00	-0.14	0.00	0.96	48	8.64	89	49	20	0	0	0	0	
	YAKIMA	90	55	93	50	73	3	0.00	-0.03	0.00	0.14	16	6.03	132	58	33	4	0	0	0	
	BECKLEY	83	61	85	59	72	1	0.48	-0.51	0.27	9.05	99	32.29	121	87	54	0	0	2	0	
WI	CHARLESTON	90	65	92	62	78	4	0.13	-0.93	0.13	6.43	68	29.02	106	97	41	5	0	1	0	
	ELKINS	85	60	87	56	73	3	2.27	1.24	1.74	13.69	139	34.36	120	94	53	0	0	3	1	
	HUNTINGTON	88	66	90	65	77	1	0.28	-0.74	0.28	9.48	108	30.54	115	94	51	1	0	1	0	
WY	EAU CLAIRE	81	57	88	47	69	-3	0.92	0.02	0.71	8.75	102	27.11	143	94	45	0	0	2	1	
	GREEN BAY	83	60	90	52	71	1	0.8													

## National Agricultural Summary

July 29 – August 4, 2019

*Weekly National Agricultural Summary provided by USDA/NASS*

### HIGHLIGHTS

**Rain fell most heavily in parts of the Great Plains, Delta, and Florida, with some areas receiving 4 inches or more. Temperatures were above normal across much of the West and**

**Northeast, averaging more than 2°F above normal. In contrast, temperatures were 2°F or more below normal in parts of the eastern Great Plains and upper Midwest.**

**Corn:** Seventy-eight percent of the nation's corn acreage was at or beyond the silking stage by August 4, seventeen percentage points behind last year and 15 points behind the 5-year average. By August 4, twenty-three percent of the corn was at or beyond the dough stage, 31 percentage points behind last year and 19 points behind average. Acreage at or beyond the dough stage advanced 12 percentage points or more in eight of the 18 estimating states. Overall, 57 percent of the corn was rated in good to excellent condition, 1 percentage point below the previous week and 14 points below the same time last year.

**Soybeans:** By August 4, seventy-two percent of the nation's soybean acreage had reached the blooming stage, 19 percentage points behind last year and 15 points behind the 5-year average. Nationally, 37 percent of the soybeans were setting pods, 36 percentage points behind last year and 26 points behind average. Pod-setting advances of 19 percentage points or more occurred in Iowa, Minnesota, South Dakota, and Wisconsin. On August 4, fifty-four percent of the nation's soybeans were rated in good to excellent condition, identical to the previous week but 13 percentage points below the same time last year.

**Winter Wheat:** Eighty-two percent of the 2019 winter wheat acreage was harvested by August 4, seven percentage points behind last year and 10 points behind the 5-year average. Winter wheat harvest advanced 16 percentage points or more in Michigan, Montana, Nebraska, Oregon, South Dakota, and Washington.

**Cotton:** Ninety-five percent of the nation's cotton acreage had reached the squaring stage by August 4, four percentage points ahead of last year and 2 points ahead of the 5-year average. By August 4, fifth-nine percent of the cotton had begun setting bolls, 1 percentage point ahead of last year but 2 points behind average. Boll-setting advances of 16 percentage points or more were estimated in six of the 15 estimating states. On August 4, fifty-four percent of the 2019 cotton acreage was rated in good to excellent condition, 7 percentage points below the previous week but 14 points above the same time last year.

**Sorghum:** By August 4, forty-five percent of the nation's sorghum acreage had reached the heading stage, 22 percentage points behind last year and 17 points behind the 5-year average. Eighty-two percent of Texas' sorghum acreage had reached the heading stage by August 4, three percentage points behind last year and 4 points behind average. Twenty-three percent of the nation's sorghum was at or beyond the coloring stage by

August 4, seven percentage points behind both last year and the average. On August 4, seventy-one percent of Texas' sorghum acreage had reached the coloring stage, 4 percentage points behind last year but 1 point ahead of average. On August 4, sixty-eight percent of the nation's sorghum was rated in good to excellent condition, 3 percentage points below the previous week but 19 points above the same time last year.

**Rice:** By August 4, sixty percent of the nation's rice acreage had reached the heading stage, 19 percentage points behind last year and 13 points behind the 5-year average. Heading was nearing completion in Texas. On August 4, sixty-eight percent of the nation's rice was rated in good to excellent condition, identical to previous week but 1 percentage point below the same time last year.

**Small Grains:** By August 4, thirty-two percent of the nation's oat acreage had been harvested, 17 percentage points behind both last year and the 5-year average. Harvest advances of 21 percentage points or more were reported in Iowa, Nebraska, and Ohio, and harvest was complete in Texas. On August 4, sixty-five percent of the nation's oats were rated in good to excellent condition, 1 percentage point below the previous week and 6 points below the same time last year.

Three percent of the nation's barley acreage was harvested by August 4, eleven percentage points behind last year and 15 points behind the 5-year average. Harvest progress was behind average in all five estimating states. On August 4, seventy-six percent of the barley was rated in good to excellent condition, 1 percentage point below the previous week and 3 points below the same time last year.

By August 4, two percent of the spring wheat was harvested, 10 percentage points behind last year and 12 points behind the 5-year average. Harvest progress was behind the average pace in all six estimating states. On August 4, seventy-three percent of the spring wheat was rated in good to excellent condition, identical to the previous week but 1 percentage point below the same time last year.

**Other Crops:** By August 4, ninety-two percent of the nation's peanut acreage had reached the pegging stage, 3 percentage points ahead of the previous week and 1 point ahead of the 5-year average. On that date, 69 percent of the peanuts were rated in good to excellent condition, 1 percentage point below the previous week and 2 points below the same time last year.

**Crop Progress and Condition****Week Ending August 4, 2019**

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

Corn Percent Silking				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
CO	82	53	77	79
IL	100	59	81	97
IN	96	40	60	93
IA	98	69	84	95
KS	95	71	85	93
KY	94	79	86	93
MI	79	20	44	83
MN	96	54	83	93
MO	100	77	87	98
NE	94	70	85	95
NC	99	93	99	98
ND	94	38	70	82
OH	93	32	53	87
PA	82	70	78	83
SD	95	27	64	90
TN	98	94	97	98
TX	92	89	95	96
WI	85	28	53	81
18 Sts	95	58	78	93
These 18 States planted 92% of last year's corn acreage.				

Corn Percent Dough				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
CO	21	1	5	10
IL	79	16	29	58
IN	55	8	16	40
IA	52	7	20	42
KS	63	24	39	50
KY	56	34	43	49
MI	20	0	2	16
MN	42	3	15	34
MO	82	21	38	68
NE	54	12	27	40
NC	86	71	87	86
ND	29	0	1	14
OH	45	3	9	31
PA	29	2	8	23
SD	50	2	7	31
TN	87	66	79	80
TX	84	65	74	78
WI	25	0	4	17
18 Sts	54	13	23	42
These 18 States planted 92% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	0	4	22	63	11
IL	5	17	37	35	6
IN	7	18	39	31	5
IA	2	6	26	54	12
KS	3	10	33	46	8
KY	3	6	20	52	19
MI	6	19	29	37	9
MN	3	8	32	47	10
MO	4	18	44	30	4
NE	1	5	23	58	13
NC	10	23	27	29	11
ND	1	6	20	61	12
OH	6	17	43	31	3
PA	1	5	15	62	17
SD	2	6	26	50	16
TN	1	2	11	59	27
TX	1	3	33	50	13
WI	3	9	23	44	21
18 Sts	3	10	30	47	10
Prev Wk	3	9	30	47	11
Prev Yr	3	7	19	50	21

Soybeans Percent Blooming				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
AR	99	82	88	93
IL	95	52	72	90
IN	90	37	54	88
IA	93	65	78	91
KS	88	40	56	77
KY	74	51	62	69
LA	100	95	99	98
MI	83	42	57	86
MN	94	69	90	93
MS	96	88	91	92
MO	85	38	50	72
NE	92	66	78	91
NC	68	45	62	68
ND	97	71	85	93
OH	89	41	55	85
SD	89	53	75	89
TN	88	68	78	83
WI	87	48	66	86
18 Sts	91	57	72	87
These 18 States planted 95% of last year's soybean acreage.				

Soybeans Percent Setting Pods				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
AR	90	62	74	81
IL	83	14	30	66
IN	75	8	19	65
IA	78	13	33	68
KS	61	12	22	43
KY	51	25	37	45
LA	98	81	91	92
MI	52	15	20	55
MN	78	27	53	70
MS	89	63	76	80
MO	56	9	16	40
NE	66	34	51	62
NC	42	26	38	41
ND	82	26	43	69
OH	71	9	20	55
SD	66	12	33	62
TN	66	41	54	59
WI	61	10	29	59
18 Sts	73	21	37	63
These 18 States planted 95% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	4	11	32	35	18
IL	6	18	36	34	6
IN	7	19	38	31	5
IA	2	5	28	55	10
KS	3	7	41	44	5
KY	1	5	22	60	12
LA	1	5	33	53	8
MI	4	17	35	37	7
MN	2	6	31	52	9
MS	1	5	24	56	14
MO	4	10	39	43	4
NE	1	4	25	57	13
NC	3	8	35	43	11
ND	2	7	28	55	8
OH	7	18	46	27	2
SD	2	7	37	42	12
TN	2	3	18	61	16
WI	1	6	24	49	20
18 Sts	3	10	33	45	9
Prev Wk	3	10	33	45	9
Prev Yr	3	7	23	51	16



**Crop Progress and Condition****Week Ending August 4, 2019**

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

Cotton Percent Squaring				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
AL	91	92	95	93
AZ	98	99	100	99
AR	100	97	99	100
CA	84	85	90	93
GA	96	95	98	96
KS	95	67	78	75
LA	100	98	100	100
MS	98	85	92	97
MO	100	81	88	98
NC	97	93	98	96
OK	88	78	94	90
SC	89	91	98	94
TN	100	88	97	97
TX	89	83	94	91
VA	97	92	95	96
15 Sts	91	86	95	93
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Setting Bolls				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
AL	76	69	78	78
AZ	86	74	82	81
AR	100	87	91	97
CA	53	45	70	74
GA	74	72	79	79
KS	32	15	26	26
LA	99	72	91	93
MS	91	55	68	83
MO	100	26	48	63
NC	68	70	83	76
OK	44	25	40	46
SC	57	59	63	73
TN	83	47	65	74
TX	45	34	50	50
VA	58	44	62	62
15 Sts	58	45	59	61
These 15 States planted 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	1	6	32	52	9
AZ	0	6	25	56	13
AR	0	3	14	45	38
CA	0	0	70	25	5
GA	2	8	27	53	10
KS	9	20	37	31	3
LA	0	0	28	62	10
MS	1	5	35	50	9
MO	8	8	55	29	0
NC	3	12	26	54	5
OK	0	4	36	55	5
SC	0	3	31	61	5
TN	4	7	21	54	14
TX	1	17	36	37	9
VA	0	1	5	92	2
15 Sts	1	12	33	44	10
Prev Wk	1	10	28	46	15
Prev Yr	11	21	28	32	8

Sorghum Percent Headed				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
CO	59	18	40	41
KS	55	10	26	44
NE	75	26	43	61
OK	55	22	30	54
SD	62	23	37	62
TX	85	79	82	86
6 Sts	67	33	45	62
These 6 States planted 97% of last year's sorghum acreage.				

Sorghum Percent Coloring				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
CO	5	0	1	4
KS	6	1	3	3
NE	5	1	4	6
OK	28	3	6	24
SD	4	0	1	7
TX	75	70	71	70
6 Sts	30	21	23	30
These 6 States planted 97% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
CO	1	2	33	54	10
KS	1	5	27	58	9
NE	0	1	16	73	10
OK	0	1	24	70	5
SD	1	1	28	65	5
TX	0	7	25	41	27
6 Sts	1	5	26	54	14
Prev Wk	1	3	25	59	12
Prev Yr	6	12	33	42	7

Peanuts Percent Pegging				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
AL	92	94	97	86
FL	88	92	94	94
GA	97	96	99	96
NC	95	86	96	94
OK	71	50	72	73
SC	80	89	94	92
TX	71	32	63	71
VA	86	82	91	83
8 Sts	89	84	92	91
These 8 States planted 96% of last year's peanut acreage.				

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	1	48	45	6
FL	1	12	17	67	3
GA	1	6	26	57	10
NC	1	3	33	53	10
OK	0	0	14	75	11
SC	0	0	21	72	7
TX	0	1	13	79	7
VA	0	0	2	83	15
8 Sts	1	5	25	61	8
Prev Wk	1	4	25	61	9
Prev Yr	1	3	25	58	13

**Crop Progress and Condition****Week Ending August 4, 2019**

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

Rice Percent Headed				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
AR	84	33	55	74
CA	45	25	40	47
LA	97	82	87	94
MS	86	60	82	81
MO	74	14	37	68
TX	98	86	94	94
6 Sts	79	42	60	73
These 6 States planted 100% of last year's rice acreage.				

Rice Condition by Percent					
	VP	P	F	G	EX
AR	2	9	31	38	20
CA	0	0	0	50	50
LA	1	4	29	60	6
MS	1	2	25	63	9
MO	4	7	32	31	26
TX	0	3	23	61	13
6 Sts	1	6	25	45	23
Prev Wk	1	6	25	48	20
Prev Yr	1	7	23	56	13

Oats Percent Harvested				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
IA	79	39	64	80
MN	30	3	12	36
NE	96	49	75	86
ND	11	0	1	16
OH	80	46	67	72
PA	39	14	32	41
SD	68	8	18	65
TX	100	100	100	100
WI	34	6	24	34
9 Sts	49	21	32	49
These 9 States harvested 65% of last year's oat acreage.				

Spring Wheat Percent Harvested				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
ID	5	0	1	16
MN	11	NA	1	13
MT	7	NA	1	11
ND	7	NA	1	8
SD	50	NA	5	42
WA	15	2	10	29
6 Sts	12	NA	2	14
These 6 States harvested 99% of last year's spring wheat acreage.				

Spring Wheat Condition by Percent					
	VP	P	F	G	EX
ID	5	3	29	55	8
MN	0	2	14	71	13
MT	0	11	20	62	7
ND	0	4	21	64	11
SD	1	3	29	53	14
WA	1	2	37	53	7
6 Sts	0	5	22	63	10
Prev Wk	1	5	21	62	11
Prev Yr	1	5	20	60	14

Oat Condition by Percent					
	VP	P	F	G	EX
IA	1	4	30	56	9
MN	1	4	27	58	10
NE	2	4	23	62	9
ND	0	4	19	65	12
OH	1	10	50	36	3
PA	0	6	17	64	13
SD	1	3	30	54	12
TX	5	12	32	43	8
WI	1	4	19	57	19
9 Sts	2	6	27	54	11
Prev Wk	2	6	26	53	13
Prev Yr	4	3	22	58	13

Barley Percent Harvested				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
ID	14	1	5	18
MN	35	0	4	24
MT	12	NA	2	18
ND	13	NA	1	14
WA	13	1	9	24
5 Sts	14	NA	3	18
These 5 States harvested 83% of last year's barley acreage.				

Barley Condition by Percent					
	VP	P	F	G	EX
ID	0	3	14	72	11
MN	1	1	17	71	10
MT	0	8	21	57	14
ND	0	3	19	68	10
WA	1	1	28	66	4
5 Sts	0	5	19	64	12
Prev Wk	0	5	18	62	15
Prev Yr	0	2	19	64	15

Winter Wheat Percent Harvested				
	Prev Year	Prev Week	Aug 4 2019	5-Yr Avg
AR	100	100	100	100
CA	97	97	100	97
CO	99	80	92	97
ID	45	6	15	46
IL	100	98	100	100
IN	100	96	100	99
KS	100	98	99	100
MI	92	45	74	92
MO	100	100	100	100
MT	40	1	26	62
NE	93	55	75	96
NC	100	100	100	100
OH	100	93	97	99
OK	100	100	100	100
OR	75	33	52	76
SD	88	24	49	81
TX	100	100	100	100
WA	46	19	35	58
18 Sts	89	75	82	92
These 18 States harvested 91% of last year's winter wheat acreage.				

## Crop Progress and Condition

### Week Ending August 4, 2019

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

Pasture and Range Condition by Percent Week Ending Aug 4, 2019											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	12	41	44	2	NH	0	18	40	42	0
AZ	3	20	40	36	1	NJ	0	3	19	78	0
AR	0	4	28	51	17	NM	19	34	34	12	1
CA	30	35	10	25	0	NY	2	8	32	41	17
CO	1	5	17	65	12	NC	1	12	35	47	5
CT	0	0	68	32	0	ND	2	9	24	54	11
DE	4	33	38	18	7	OH	1	12	42	36	9
FL	1	5	17	56	21	OK	0	7	38	51	4
GA	4	14	37	40	5	OR	5	27	37	31	0
ID	0	9	25	51	15	PA	0	3	40	46	11
IL	4	15	44	29	8	RI	0	25	50	25	0
IN	4	12	43	35	6	SC	0	14	54	31	1
IA	2	10	35	48	5	SD	1	3	16	49	31
KS	1	5	24	61	9	TN	1	6	26	55	12
KY	2	9	24	57	8	TX	7	17	36	34	6
LA	0	5	40	50	5	UT	0	6	18	54	22
ME	0	0	16	67	17	VT	0	48	50	2	0
MD	1	3	45	46	5	VA	1	21	41	34	3
MA	0	5	15	70	10	WA	8	22	42	28	0
MI	5	16	31	41	7	WV	0	7	32	57	4
MN	1	5	23	61	10	WI	1	7	29	45	18
MS	0	6	34	50	10	WY	1	9	28	52	10
MO	0	3	26	58	13	48 Sts	3	10	29	48	10
MT	2	6	23	61	8						
NE	1	2	15	67	15	Prev Wk	2	8	26	52	12
NV	10	15	40	35	0	Prev Yr	12	18	30	34	6

VP - Very Poor; P - Poor;  
F - Fair;

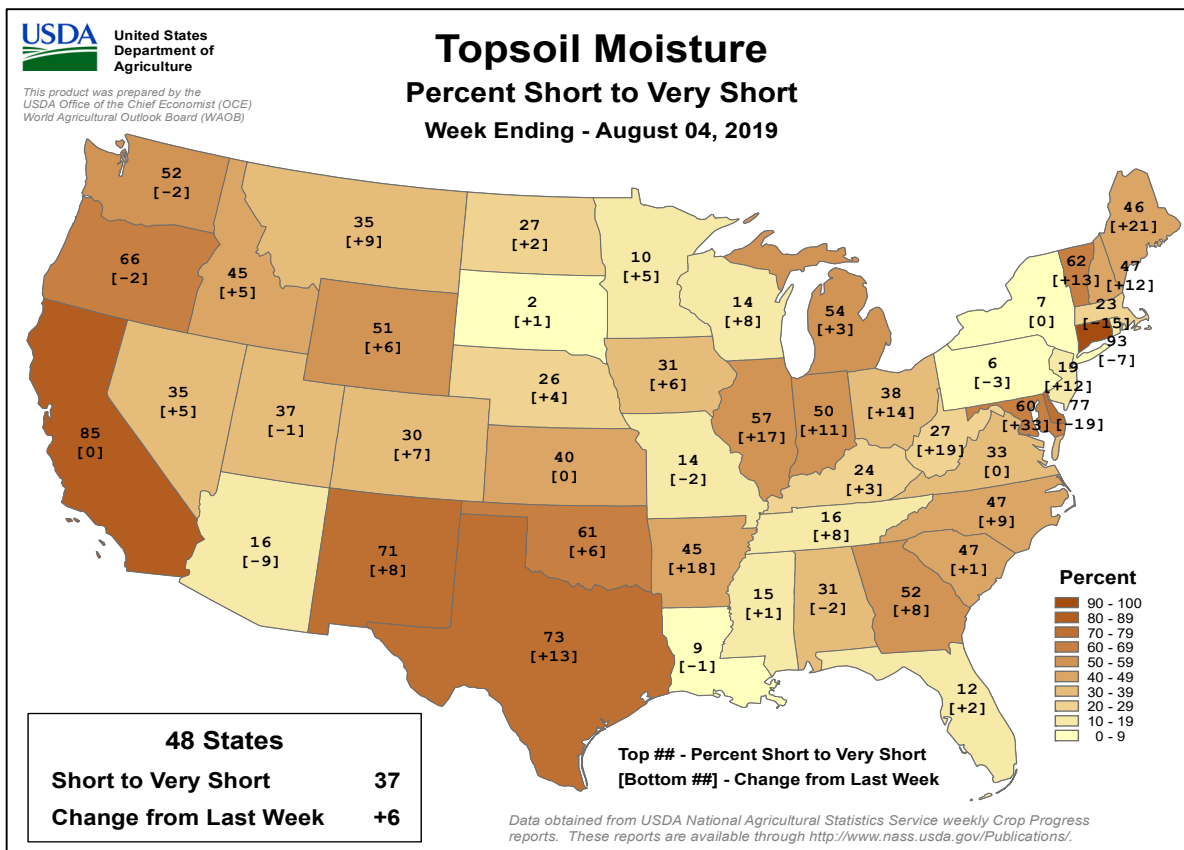
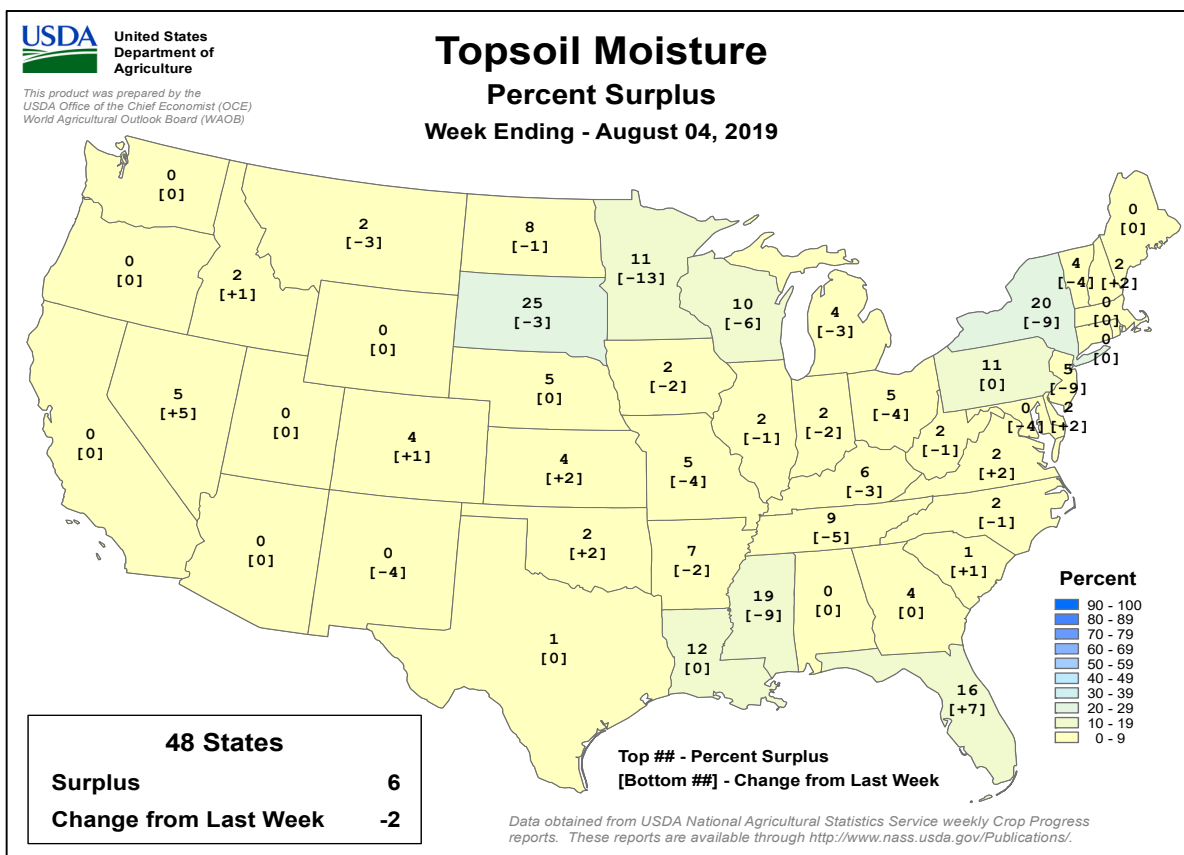
G - Good; EX - Excellent

NA - Not Available  
\* Revised

# Crop Progress and Condition

## Week Ending August 4, 2019

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

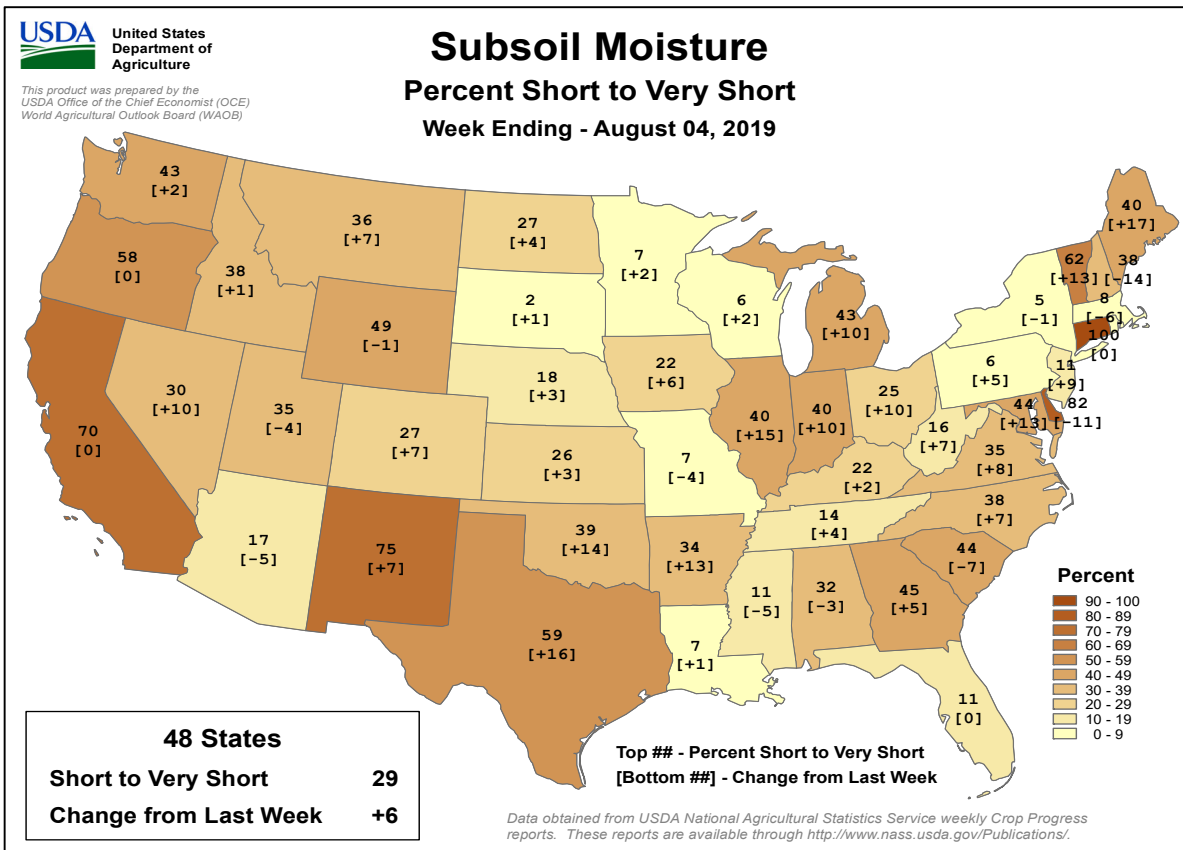
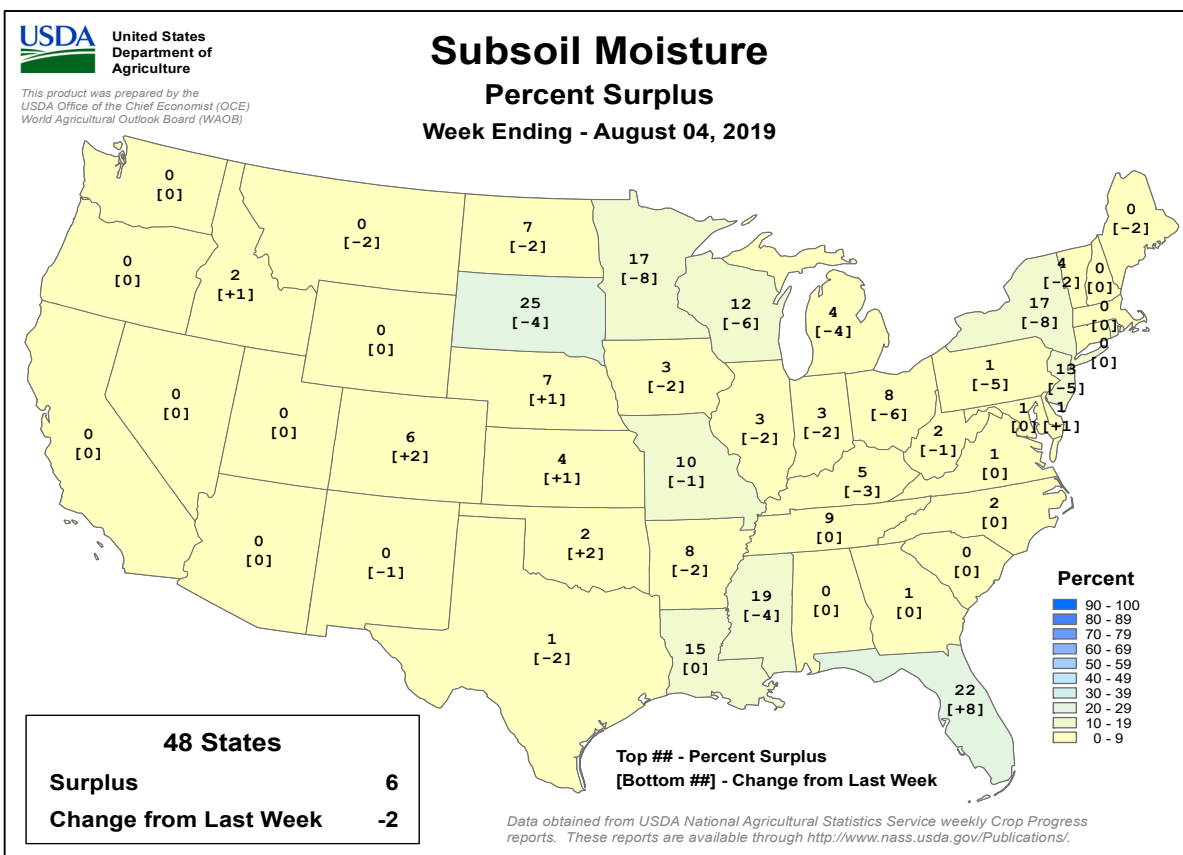




# Crop Progress and Condition

## Week Ending August 4, 2019

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



## International Weather and Crop Summary

**July 28 – August 3, 2019**

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

**EUROPE:** Wet weather improved moisture in the north and maintained excellent summer crop prospects in southeastern Europe.

**FSU-WESTERN:** Cool, showery weather maintained favorable prospects for filling summer crops.

**FSU-EASTERN:** Rain eased drought in the west, while heat intensified in eastern spring grain areas and continued across the south.

**MIDDLE EAST:** Sunny skies benefited filling summer crops in Turkey after early July rain.

**SOUTH ASIA:** Widespread, locally torrential, showers in India provided a significant boost to soil moisture for crops.

**EAST ASIA:** Rainfall maintained excellent moisture conditions for crops in northeastern China and eased stressful heat on the North China Plain.

**SOUTHEAST ASIA:** Tropical Cyclone Wipha brought beneficial late-week showers to Indochina and the Philippines, but drought continued in Thailand.

**AUSTRALIA:** Isolated showers provided little additional moisture for vegetative winter grains and oilseeds.

**ARGENTINA:** Dry weather favored the final stages of summer crop harvesting and winter grain planting.

**BRAZIL:** Warm, sunny weather benefited corn and cotton harvesting, but showers and occasional cold weather were recorded in southern wheat areas.

**MEXICO:** Beneficial rain continued over many southern farming areas, and monsoon showers continued in the northwest.

**CANADIAN PRAIRIES:** Warm, mostly dry weather fostered rapid development of spring grains and oilseeds.

**SOUTHEASTERN CANADA:** Showers boosted moisture for corn and soybeans in Ontario's southern-most farming areas, but dryness continued elsewhere.

**July 2019**

COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	34	21	43	18	28	3.4	2	-4
	BATNA	38	18	43	11	28	1.7	4	-7
ARGENT	IGUAZU	22	11	30	-1	16	0.2	32	-42
	FORMOSA	22	12	32	3	17	0	98	56
	CERES	19	7	30	-1	13	0.9	26	9
	CORDOBA	18	3	26	-5	11	0.5	1	-11
	RIO CUARTO	16	4	23	-4	10	0.7	0	-18
	ROSARIO	17	5	26	-4	11	0.2	33	2
	BUENOS AIRES	15	6	28	-4	10	0.7	94	42
	SANTA ROSA	16	1	23	-5	8	0.7	0	-21
	TRES ARROYOS	13	3	21	-3	8	0.6	14	-25
AUSTRA	DARWIN	31	19	33	15	25	-0.4	0	*****
	BRISBANE	21	11	26	5	16	1.2	20	-38
	PERTH	19	8	23	5	14	0.7	94	-59
	CEDUNA	18	6	28	1	12	0.3	6	-35
	ADELAIDE	16	10	22	5	13	1.6	40	-24
	MELBOURNE	14	7	17	2	11	1.3	26	-11
	WAGGA	13	4	17	-2	9	1.1	20	-38
	CANBERRA	13	1	17	-4	7	1.5	4	-42
AUSTRI	VIENNA	28	16	36	9	22	1.8	76	23
	INNSBRUCK	27	15	35	9	21	2.6	131	-4
BAHAMA	NASSAU	33	26	34	23	29	1	307	169
BARBAD	BRIDGETOWN	31	26	32	23	28	0.7	110	-21
BELARU	MINSK	22	12	32	8	17	-0.8	123	14
BERMUD	ST GEORGES	30	25	32	22	28	0.1	71	-50
BOLIVI	LA PAZ	15	-4	17	-8	6	0	17	10
BRAZIL	FORTALEZA	30	24	31	24	27	0.3	52	-4
	RECIFE	28	22	29	21	25	-1.1	259	5
	CAMPO GRANDE	27	15	31	5	21	-0.2	30	9
	FRANCA	25	14	28	5	19	0.6	8	-8
	RIO DE JANEIRO	26	17	33	13	22	0.5	3	-43
	LONDRINA	26	13	30	2	19	2.4	65	-10
	SANTA MARIA	19	9	28	-1	14	-0.5	174	18
	TORRES	19	11	24	2	15	-3.9	61	-34
BULGAR	SOFIA	28	14	34	9	21	0.4	48	-1
BURKIN	OUAGADOUGOU	32	25	39	21	29	0.9	334	159
CANADA	LETHBRIDGE	26	9	34	5	18	*****	34	*****
	REGINA	26	11	33	4	18	*****	50	*****
	WINNIPEG	27	17	31	12	22	*****	112	*****
	TORONTO	29	18	33	14	23	2.6	104	30
	MONTREAL	29	18	33	13	24	2.6	40	-51
	PRINCE ALBERT	23	10	28	3	17	-1	70	-7
	CALGARY	22	11	30	7	16	0.3	84	18
	VANCOUVER	23	14	29	10	18	1	31	-9
CANARY	LAS PALMAS	27	21	30	20	24	0.3	0	*****
CHILE	SANTIAGO	16	2	25	-2	9	1.3	8	-53
CHINA	HARBIN	28	20	32	14	24	1	164	35
	HAMI	35	19	40	15	27	0.5	8	0
	BEIJING	33	23	38	19	28	1.6	93	-92
	TIENTSIN	33	24	39	19	28	1.4	234	77
	LHASA	23	12	30	8	17	1.1	214	92
	KUNMING	25	18	28	17	22	1.5	283	84
	CHENGCHOW	35	25	39	21	30	2.8	101	-55
	YEHCHANG	32	23	37	20	28	0	159	-53
	HANKOW	34	26	37	21	30	0.5	62	-125
	CHUNGKING	32	25	39	21	29	0.3	258	108
	CHIHKIANG	32	23	36	18	28	0.2	145	16
	WU HU	33	25	38	20	29	0.3	102	-63
	SHANGHAI	31	25	38	21	28	-0.4	138	-7
	NANCHANG	32	26	37	21	29	0	315	171
	TAIPEI	35	28	37	25	31	1.2	366	108
	CANTON	33	26	38	24	30	0.8	274	53
	NANNING	33	25	36	23	29	0.4	267	50
COLOMB	BOGOTA	19	9	21	6	14	1.1	81	44
COTE D	ABIDJAN	28	24	30	24	26	0.9	47	-89
CUBA	CAMAGUEY	33	23	34	21	28	0.9	213	89
CYPRUS	LARNACA	33	23	36	21	28	1.2	1	*****
CZECHR	PRAGUE	26	14	35	6	20	2.3	45	-28
DENMAR	COPENHAGEN	23	15	29	11	19	1.4	30	-19
EGYPT	CAIRO	36	25	42	22	31	2.4	0	*****

Based on Preliminary Reports

## January 2012

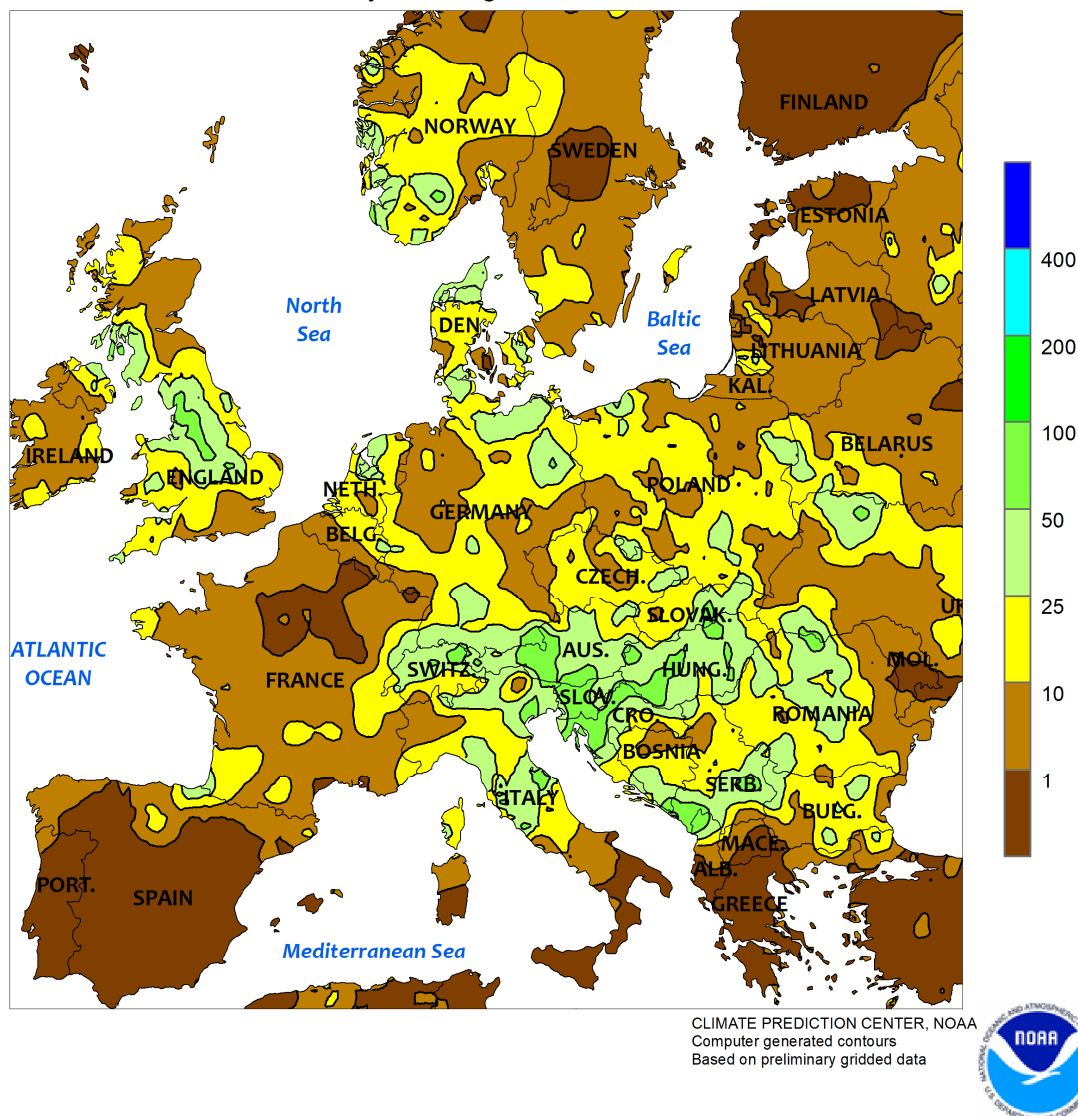
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	NRM TOT	DEP NRM	
	ASWAN	***	***	37	***	***	*****	*****	
ESTONI	TALLINN	21	12	32	5	17	0.0	38	-37
F GUIA	CAYENNE	31	23	34	21	27	1.0	412	164
FIJI	NAUSORI	28	21	29	16	24	1.7	239	129
FINLAN	HELSINKI	23	13	33	7	18	0.8	70	-1
FRANCE	PARIS/ORLY	29	16	42	12	22	2.7	9	-44
	STRASBOURG	29	15	39	9	22	2.6	25	-43
	BOURGES	30	17	42	10	23	3.7	12	-48
	BORDEAUX	30	18	41	13	24	3.5	43	-12
	TOULOUSE	31	19	39	15	25	3.6	29	-18
	MARSEILLE	33	21	36	17	27	3.0	5	-9
GABON	LIBREVILLE	28	26	29	23	27	2.7	63	61
GERMAN	HAMBURG	23	14	35	8	18	1.0	52	-22
	BERLIN	25	15	34	10	20	1.3	43	-12
	DUSSELDORF	26	14	41	7	20	1.1	15	-58
	LEIPZIG	26	15	36	8	20	1.9	37	-21
	DRESDEN	25	15	34	10	20	1.5	62	-27
	STUTTGART	26	15	37	7	20	1.9	60	-21
	NURNBERG	27	14	38	5	21	1.8	44	-30
	AUGSBURG	25	13	34	5	19	0.9	76	-21
GREECE	THESSALONIKA	32	21	36	18	27	0.5	48	25
	LARISSA	34	19	39	16	26	-0.3	35	15
	ATHENS	33	24	36	21	28	0.5	6	-1
GUADEL	RAIZET	32	25	33	23	28	0.4	170	71
HONGKO	HONG KONG INT	33	28	37	24	31	1.8	354	-14
HUNGAR	BUDAPEST	28	17	35	11	22	1.2	96	38
ICELAN	REYKJAVIK	16	11	20	7	14	2.9	47	-5
INDIA	AMRITSAR	34	26	42	22	30	-0.2	235	41
	NEW DELHI	36	27	42	22	32	0.7	251	37
	AHMEDABAD	37	27	41	24	32	2.3	137	-135
	INDORE	31	24	35	20	27	0.6	353	60
	CALCUTTA	35	28	38	26	31	1.8	128	-218
	VERAVAL	32	28	34	25	30	1.5	211	-47
	BOMBAY	31	25	36	23	28	0.1	#####	628
	POONA	29	23	33	21	26	0.2	403	228
	BEGAMPET	32	24	35	22	28	1.1	108	-45
	VISHAKHAPATNAM	32	27	35	25	30	0.8	68	-54
	MADRAS	36	26	40	23	31	0.5	193	77
	MANGALORE	29	23	32	22	26	0.2	948	-68
INDONE	SERANG	33	23	34	21	28	0.7	14	-62
IRELAN	DUBLIN	20	12	25	4	16	0.7	41	-10
ITALY	MILAN	32	21	36	15	26	2.5	52	-9
	VERONA	32	20	37	14	26	2.0	27	-35
	VENICE	29	21	33	16	25	1.4	116	55
	GENOA	29	23	34	19	26	1.5	28	6
	ROME	31	20	35	16	25	1.4	32	19
	NAPLES	32	22	37	17	27	2.5	11	-15
JAMAIC	KINGSTON	33	26	35	24	30	0.5	8	-29
JAPAN	SAPPORO	26	19	34	15	23	1.9	34	-34
	NAGOYA	30	23	37	20	27	0.3	289	68
	TOKYO	28	22	35	18	25	-0.8	198	35
	YOKOHAMA	27	22	34	18	25	-0.5	181	19
	KYOTO	31	24	37	21	27	-0.1	215	7
	OSAKA	30	24	35	21	27	-0.2	205	48
KAZAKH	KUSTANAY	30	16	38	10	23	2.0	24	-32
	TSELINOGRAD	30	17	37	12	23	2.0	14	-33
	KARAGANDA	29	15	35	10	22	1.2	5	-31
KENYA	NAIROBI	25	13	28	10	19	1.7	10	-4
LIBYA	BENGHAZI	32	23	39	18	27	1.2	0	*****
LITHUA	KAUNAS	23	13	31	8	18	0.2	64	-18
LUXEMB	LUXEMBOURG	26	15	39	9	20	2.7	17	-55
MALAYS	KUALA LUMPUR	33	25	35	24	29	2.0	152	22
MALI	BAMAKO	32	23	35	21	28	1.0	172	-57
MARSHA	MAJURO	31	27	31	25	29	1.6	185	-136
MARTIN	LAMENTIN	31	26	33	24	29	1.6	195	17
MAURIT	NOUAKCHOTT	***	***	35	23	***	*****	*****	*****
MEXICO	GUADALAJARA	28	18	32	15	23	1.3	247	-10
	TLAXCALA	23	12	26	9	17	-0.2	268	113
	ORIZABA	27	16	30	13	22	1.7	253	-169
MOROCC	CASABLANCA	25	20	26	18	23	0.0	2	1
	MARRAKECH	36	19	40	16	27	-0.9	0	-1
MOZAMB	MAPUTO	29	14	36	8	22	2.1	0	-15
N KORE	PYONGYANG	31	22	35	18	27	2.3	179	-110
NEW CA	NOUMEA	24	17	27	14	20	0.4	26	-44
NIGER	NIAMEY	35	26	41	22	30	1	158	13
NORWAY	OSLO	22	12	30	7	17	1.2	42	-31
NZEALA	AUCKLAND	16	9	18	3	12	*****	148	*****
	WELLINGTON	14	9	16	5	11	*****	134	*****
P RICO	SAN JUAN	32	26	34	24	29	0.9	121	16
PAKIST	KARACHI	35	28	39	26	32	1.2	86	14
PERU	LIMA	18	15	20	14	17	-0.5	1	-4
PHILIP	MANILA	32	26	34	23	29	0.6	274	-158
PNEWGU	PORT MORESBY	28	23	30	21	25	-0.3	12	-13
POLAND	WARSAW	25	15	33	9	20	1.4	37	-34
	LODZ	25	13	34	5	19	0.6	30	-57
	KATOWICE	25	13	35	7	19	1.2	120	19
PORTUG	LISBON	27	18	38	16	23	0.4	2	-4
ROMANI	BUCHAREST	30	15	36	11	22	0.1	75	15
RUSSIA	ST.PETERSBURG	21	13	30	8	17	-1.1	106	28
	KAZAN	23	14	29	8	19	-0.9	64	-4
	MOSCOW	21	13	29	8	17	-1.4	89	2
	YEKATERINBURG	25	15	34	8	20	1.2	122	31
	OMSK	26	14	31	9	20	0.5	29	-28
	BARNAUL	26	14	30	9	20	0.1	42	-24
	KHABAROVSK	27	17	31	12	22	0.6	191	65
	VLADIVOSTOK	20	16	29	11	18	-0.1	131	-2
	VOLGOGRAD	28	16	34	12	22	-0.9	74	44
	ASTRAKHAN	32	20	37	15	26	0.6	28	-5
	ORENBURG	29	15	37	8	22	0.1	106	66
S AFRI	JOHANNESBURG	19	6	24	-1	12	2.3	0	-2
	DURBAN	25	14	32	8	19	2.4	3	-46
	CAPE TOWN	17	10	22	2	13	1.2	106	20
S KORE	SEOUL	30	23	36	20	26	1.1	192	-142
SAMOA	PAGO PAGO	29	25	31	24	27	0.8	444	298
SENEGA	DAKAR	30	25	32	23	27	0.1	38	-38
SPAIN	VALLADOLID	32	16	39	11	24	2.4	26	9
	MADRID	36	20	40	15	28	2.6	20	8
	SEVILLE	34	20	41	16	27	-1.0	0	*****
SWITZE	ZURICH	26	16	35	12	21	3.3	97	-29
	GENEVA	29	17	36	13	23	3.1	47	-26
SYRIA	DAMASCUS	37	19	41	13	28	1.2	0	*****
TAHITI	PAPEETE	29	22	30	19	26	0.8	25	-29
TANZAN	DAR ES SALAAM	30	20	31	18	25	1.9	4	-24
THAILA	PHITSANULOK	34	25	38	24	30	0.5	64	-126
	BANGKOK	34	27	36	25	30	1.2	190	29
TOGO	TABLIGBO	31	23	34	22	27	1.9	177	72
TRINID	PORT OF SPAIN	32	24	33	22	28	1.3	192	-60
TUNISI	TUNIS	35	24	44	21	30	2.9	0	-3
TURKEY	ISTANBUL	30	21	33	16	25	1.3	9	-17
	ANKARA	28	13	34	7	21	0.1	16	-3
TURKME	ASHKHAHAD	39	27	44	20	33	2.2	1	-36
UKINGD	ABERDEEN	20	12	26	7	16	1.8	76	18
	LONDON	25	15	38	11	20	1.5	53	11
UKRAIN	KIEV	25	16	33	11	20	0.8	73	-12
	LVOV	25	12	33	5	18	0.8	75	-20
	KIROVOGRAD	28	14	35	10	21	0.3	25	-30
	ODESSA	28	19	35	15	24	1.8	17	-30
	KHARKOV	26	15	33	11	21	0.2	65	1
UZBEKI	TASHKENT	39	23	43	18	31	3.4	0	-3
YUGOSL	BELGRADE	29	19	35	13	24	2.3	46	-26
ZAMBIA	LUSAKA	23	11	27	5	17	0.3	0	0
ZIMBAB	KADOMA	***	***	28	2	***	*****	0	-1

Based on Preliminary Reports

## EUROPE

Total Precipitation (mm)

July 28 - August 3, 2019



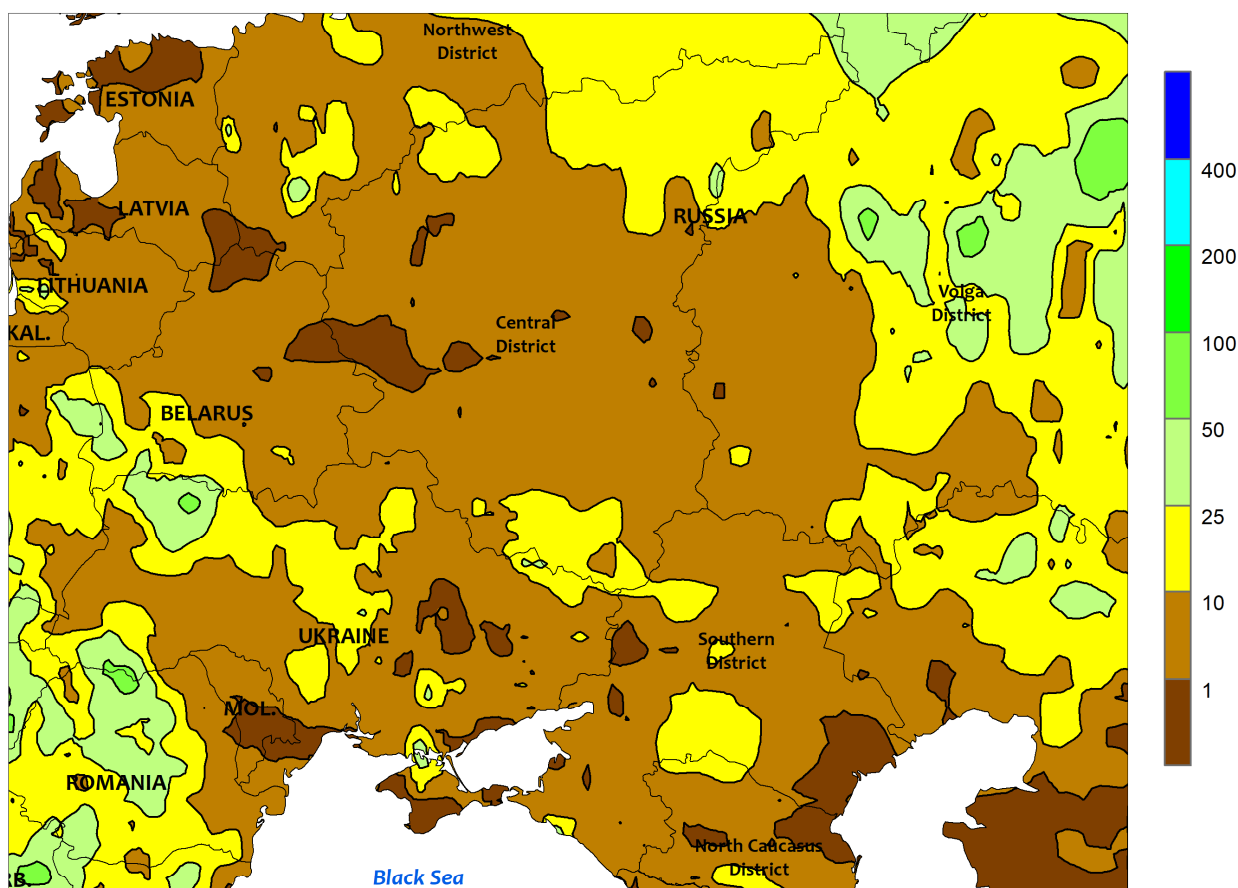
## EUROPE

Heat abated, with widespread showers maintaining or improving moisture supplies across much of the continent. Positive temperature anomalies were still prevalent across northern and eastern growing areas (1-4°C above normal), but not nearly as extreme as last week. Furthermore, cooler-than-normal weather (up to 4°C below normal) arrived across southwestern Europe. The cooler temperatures brought an end to the recent acute heat wave, particularly in primary summer crop areas of Spain, France, Germany, and Italy. Furthermore, another round of well-placed showers (5-20 mm) aided corn and sunflower prospects in southern France, while heavier rain (10-100 mm) eased or ended drought concerns across much of Italy. Despite the recent improvements, heat and dryness during July were untimely for corn, particularly in France where readings as high as 41°C in late July were coincident with the tasseling and

silking stages of development. Despite the recent beneficial rain in southern France, the country's northern growing areas remained dry and moisture will be needed soon for upcoming winter crop planting. Dryness also lingered in Spain, where drought has maintained very high irrigation demands for flowering to filling summer crops in central and southern portions of the country. Conversely, corn and sunflowers in northern Spain (Castilla y León) have benefited from timely rain over the past 30 days (100-200 percent of normal, locally more). Meanwhile, widespread moderate to heavy showers (10-75 mm, locally more) improved moisture supplies for winter rapeseed planting from across most of northern Europe (save for France) and maintained excellent yield prospects for flowering to filling corn, sunflowers, and soybeans across southeastern growing areas.



WESTERN FSU  
Total Precipitation (mm)  
July 28 - August 3, 2019



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



WESTERN FSU

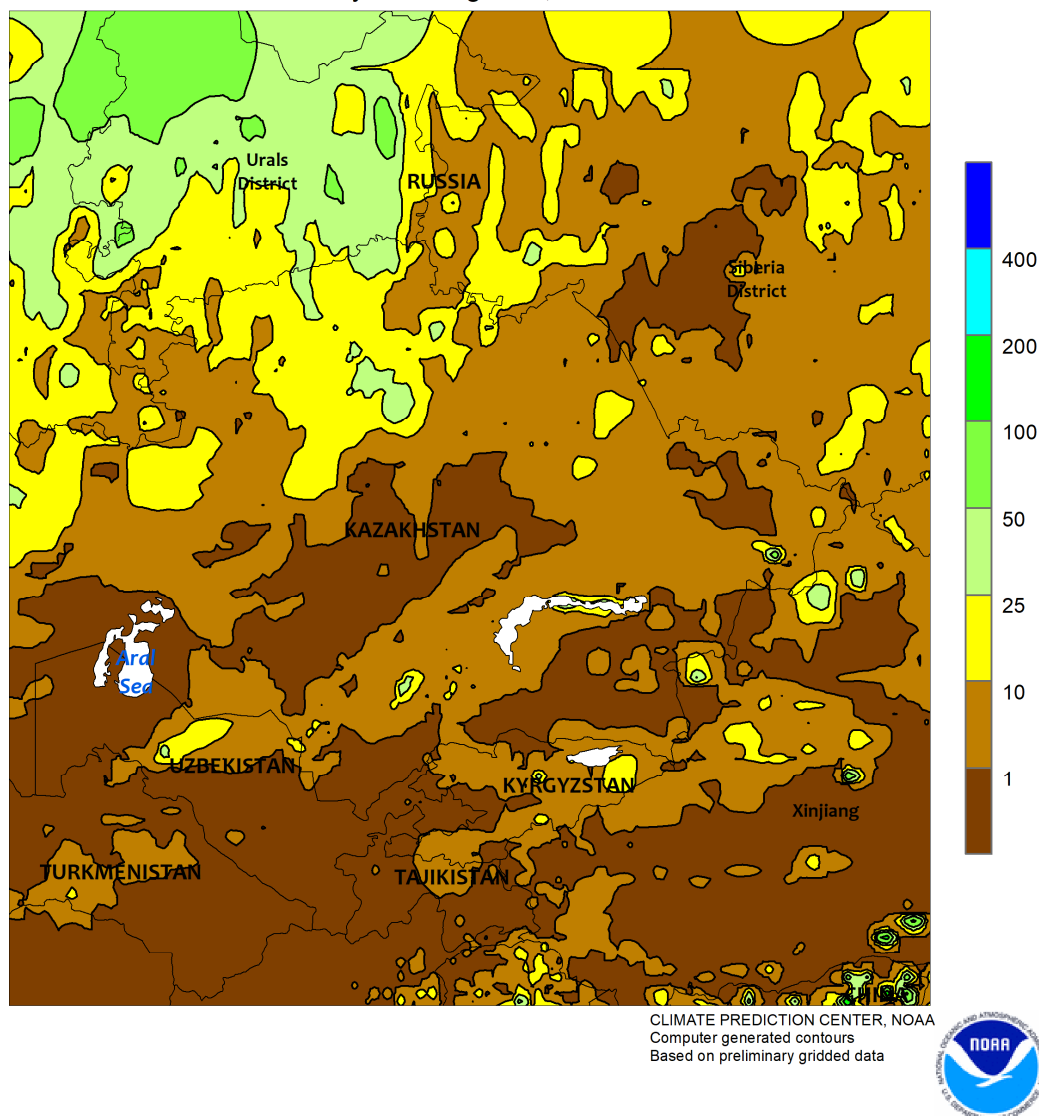
Crop prospects remained favorable over much of the region. Summer crops have largely passed through the key reproductive stages of development without detrimental heat or moisture deficits, and are now filling. Another week with beneficial showers (5-50 mm, locally more) and near- to below-normal temperatures (up to 5°C below normal in eastern growing areas) boosted prospects for filling corn, sunflowers,

and soybeans from central Ukraine into west-central Russia, though drier conditions (less than 5 mm) were noted in eastern Ukraine and environs. Warmer weather (1-4°C above normal) was noted from the western Black Sea region into Belarus, though light to moderate showers (5-20 mm) mitigated potential impacts of daytime highs pushing into the lower and middle 30s (degrees C).

## EASTERN FSU

Total Precipitation (mm)

July 28 - August 3, 2019

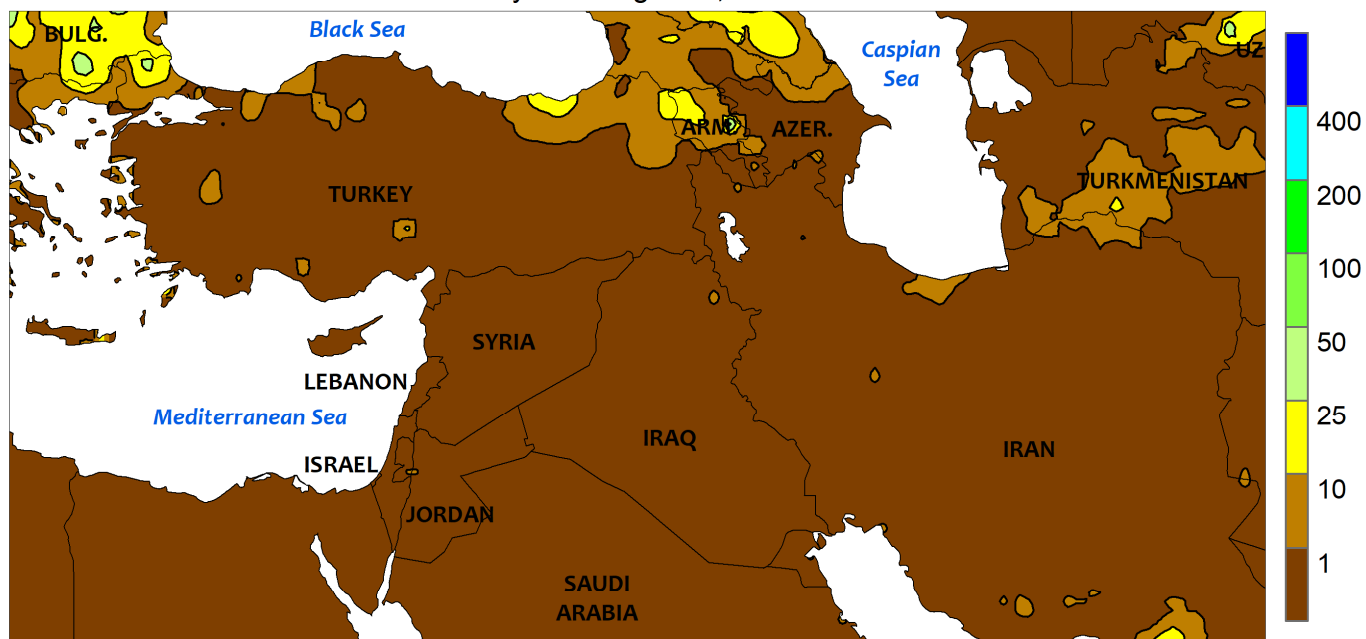


## EASTERN FSU

Rain eased drought in the west, while intensifying heat and dryness were noted in eastern and southern growing areas. Moderate to heavy rain (10-40 mm, locally more) in northwestern Kazakhstan and neighboring portions of Russia eased drought and stabilized yield prospects for later-developing spring wheat and barley, though spring grains in these locales have suffered largely irreversible yield losses due to dryness and untimely heat during the first three weeks of July. Conversely, the favorable growing season in the east (northeastern Kazakhstan into Russia's Siberia District) has given way to untimely heat (32-38°C) and short-term drought

(30-day rainfall less than 50 percent of normal, locally less than 25 percent); spring grains in these areas are in the reproductive to early filling stages of development. Farther south, sunny skies and above-normal temperatures maintained very high irrigation demands for open-boll cotton in Uzbekistan and environs. The recent protracted spell of hotter-than-normal weather was untimely for cotton, which was subjected to extreme heat during the flowering stages of development. This July will go down as the hottest on record across much of Uzbekistan and neighboring cotton areas, surpassing the blistering heat noted last year.

MIDDLE EAST  
Total Precipitation (mm)  
July 28 - August 3, 2019



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

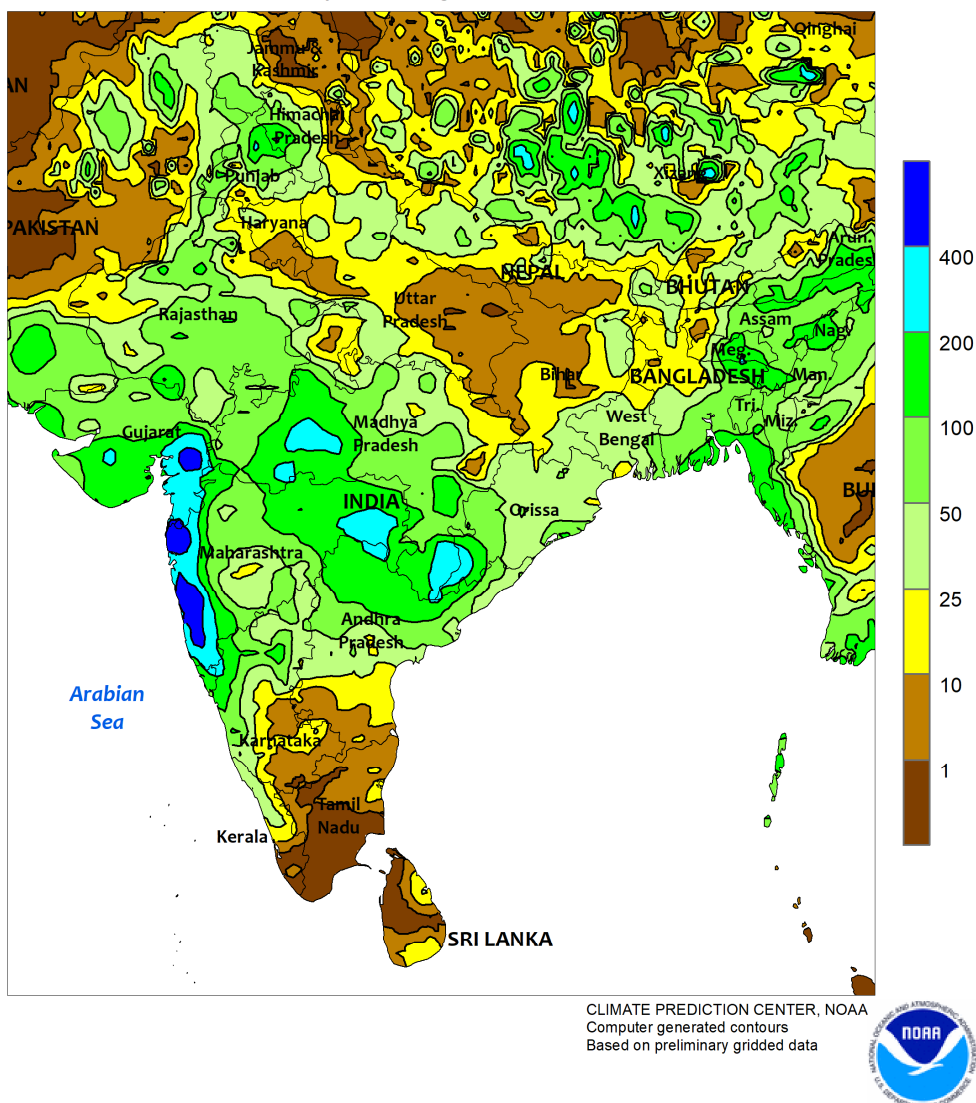


MIDDLE EAST

Seasonably dry, warm weather in Turkey promoted summer crop development. After early July supplemental rainfall, sunny skies in Turkey were beneficial for summer crops progressing through the filling stages of development.

Summer crop prospects remained good to excellent, as indicated by satellite-derived vegetation health data. Elsewhere in the region, seasonably sunny skies favored the development of irrigated summer crops and fieldwork.

SOUTH ASIA  
Total Precipitation (mm)  
July 28 - August 3, 2019



### SOUTH ASIA

Monsoon showers continued across much of India, improving moisture conditions for kharif crop establishment. In particular, the moisture was welcome in western cotton and groundnut areas (Gujarat and Rajasthan) where rainfall was nearly non-existent during the first half of July. More rain is needed, however, to overcome significant seasonal moisture deficits. Meanwhile, torrential showers (over 400 mm) were reported along coastal Maharashtra and adjacent areas of southern Gujarat, causing flooding and some damage to

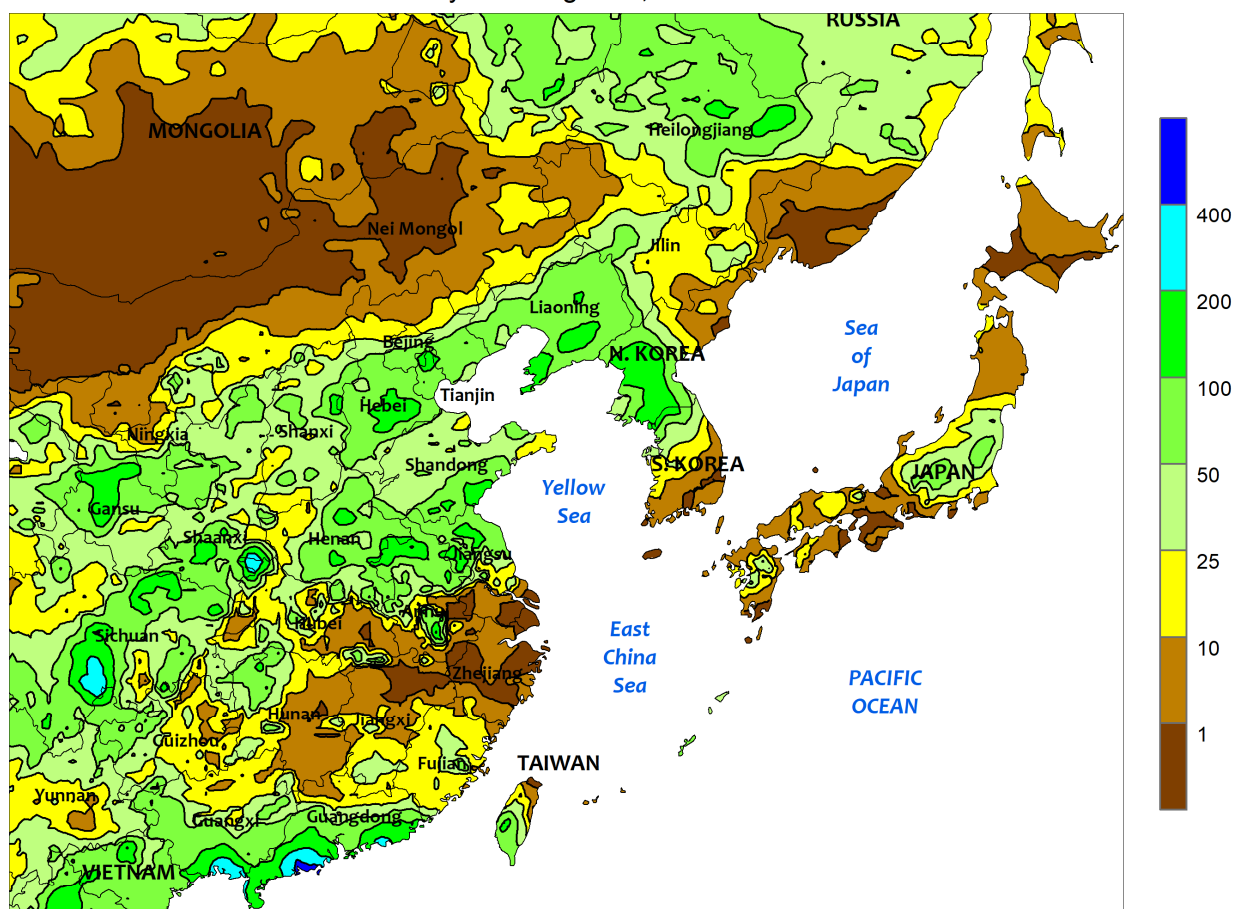
sugarcane. Deluges also occurred in parts of eastern Maharashtra and southern Chhattisgarh, possibly necessitating replanting of cotton. Showers were markedly lighter (25-50 mm, locally more) in eastern rice areas (Orissa and the lower Ganges Basin). Rainfall since July 1 in Orissa has been sub-par and more is needed to bolster irrigation supplies. Elsewhere, 25 to 50 mm (or more) of rain in northern India and Pakistan benefited reproductive rice and cotton.



## EASTERN ASIA

Total Precipitation (mm)

July 28 - August 3, 2019



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

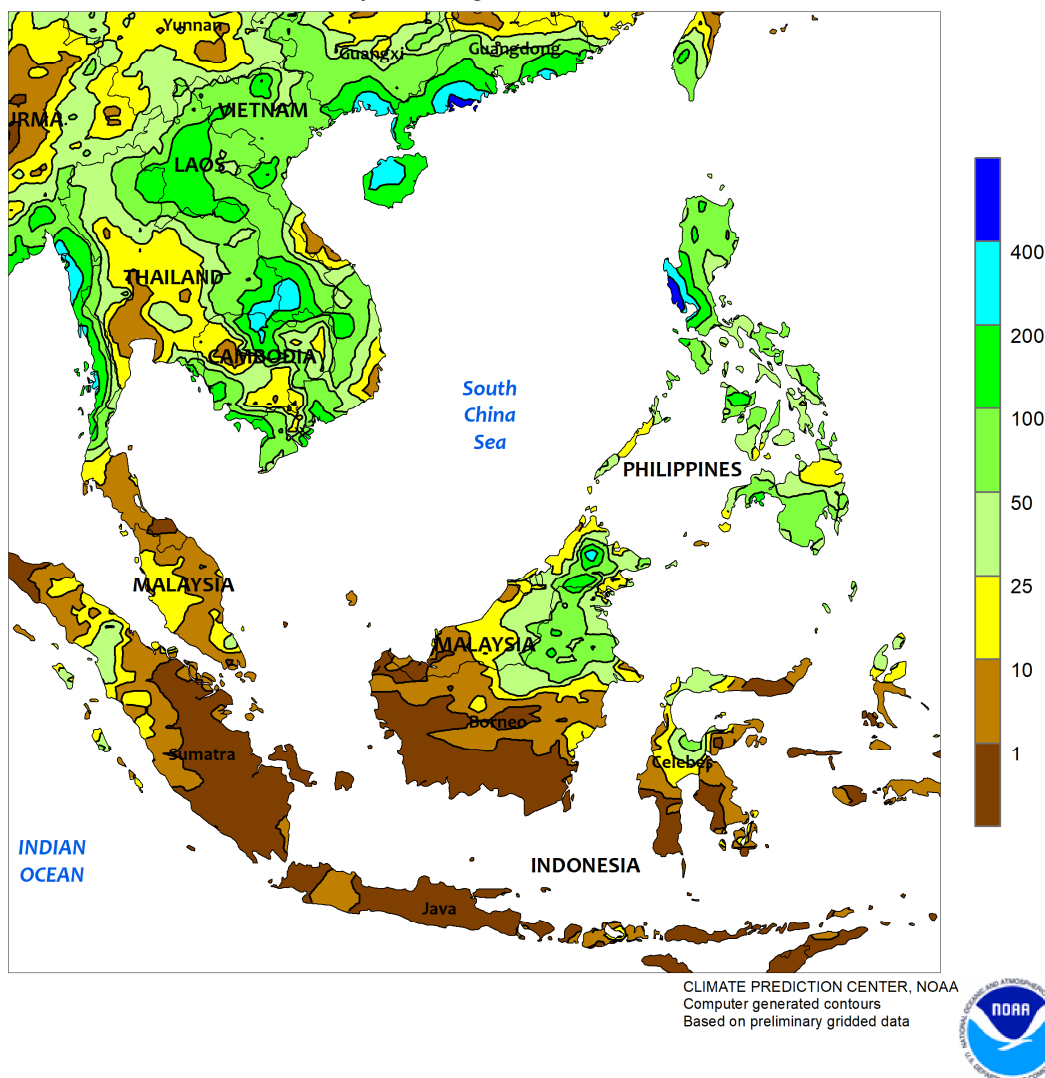


## EASTERN ASIA

Showers extended from the northeast to the North China Plain and throughout western sections of the Yangtze Valley. The rainfall (25-100 mm) in the northeast maintained good to excellent moisture conditions for reproductive soybeans and corn and was particularly beneficial for crops in Liaoning experiencing sub-par seasonal moisture. Additionally, rainfall (25-100 mm) was welcome on the North China Plain after consistently hot, dry weather caused stress on summer crops. Farther south, showers (25-100 mm) maintained above-average seasonal rainfall totals for rice in western sections of the Yangtze Valley, but persistently drier weather

since mid-July in eastern portions and throughout much of the southeast increased irrigation demands. Meanwhile, a tropical cyclone (Wipha) skirted the southern coast, producing locally torrential rainfall (over 300 mm) in sugarcane areas. In other parts of the region, showers (25-150 mm) on the Korean Peninsula provided short-term (4-6 weeks) drought relief, but longer-term (over 6 weeks) moisture deficits remained substantial. In contrast, unseasonable dryness continued in key rice areas of northern Japan, where rainfall totals over the last eight weeks were 60 percent of normal.

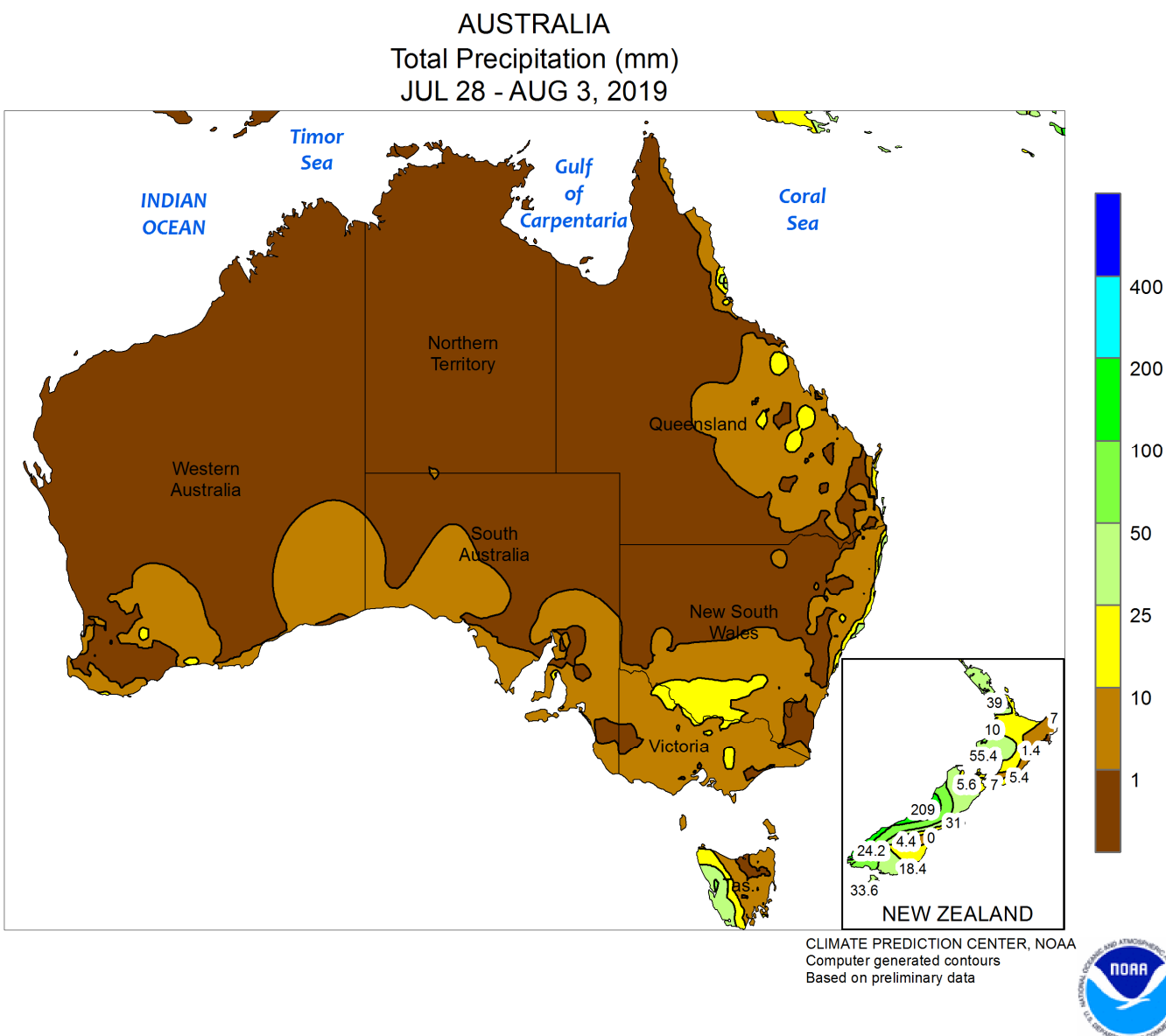
SOUTHEAST ASIA  
Total Precipitation (mm)  
July 28 - August 3, 2019



### SOUTHEAST ASIA

Monsoon showers (25-100 mm, locally more) continued throughout most of Indochina and the Philippines, but unseasonable dryness persisted in portions of Thailand. Tropical Cyclone Wipha brought late-week showers to the Philippines and northern Indochina. Some of the moisture moved into northern and northeastern Thailand, providing limited drought relief as significant seasonal (since May 1) deficits remained. Additionally, little rainfall was reported in central Thailand where drought was starting to expand. The

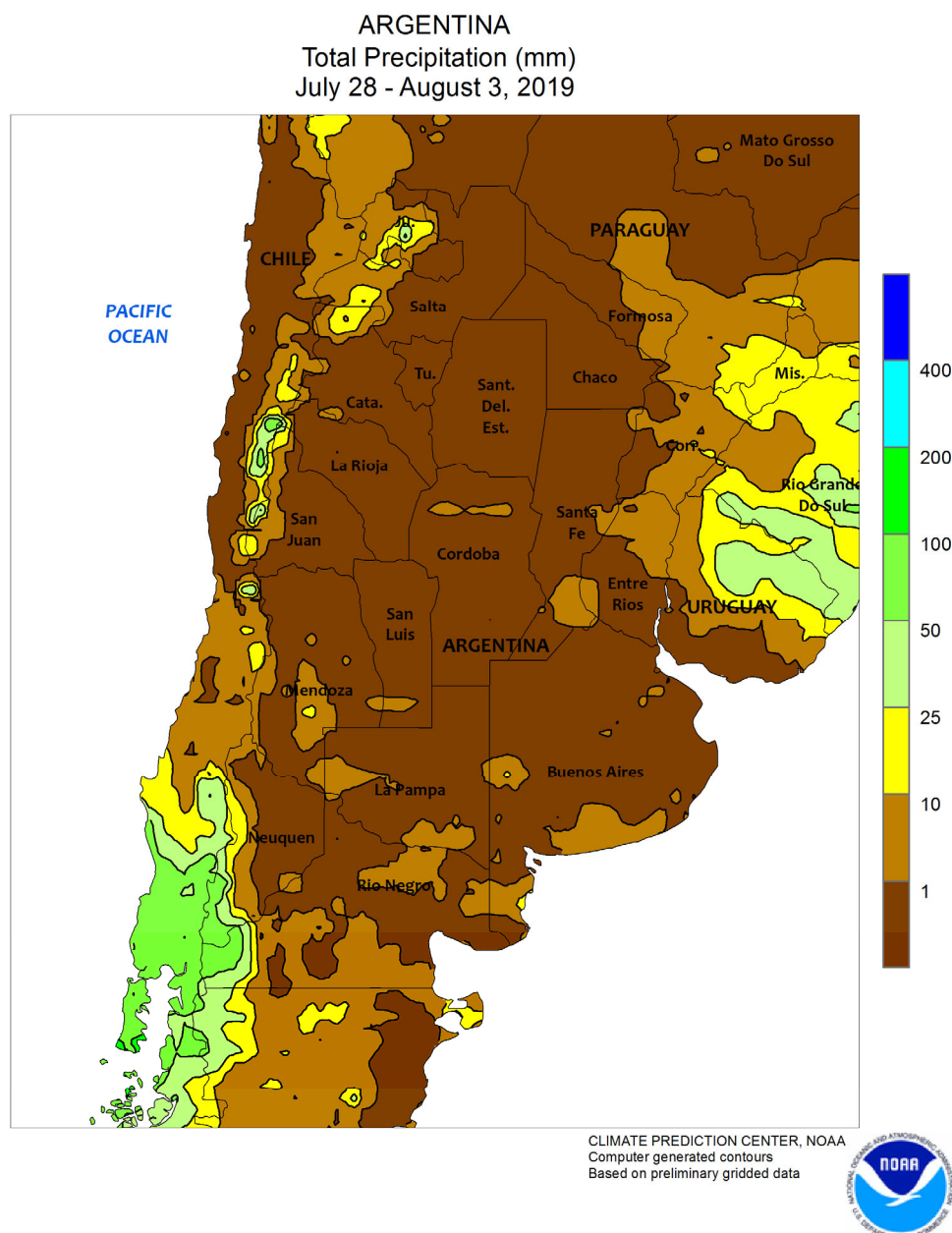
consistently poor rainfall in Thailand is raising concerns over prospects for wet-season rice as well as reservoir replenishment for dry-season rice. Meanwhile, moisture conditions have steadily been improving in the Philippines, but more rain is needed to overcome longer-term deficits. Elsewhere, showers were unseasonably light (less than 25 mm) across most oil palm areas of Indonesia and Malaysia, with high amounts (25-100 mm) limited to far eastern Malaysia (Sabah) and neighboring areas of Indonesia.



### AUSTRALIA

Soaking rain (10-25 mm, locally more) overspread portions of central Queensland, but the majority of the rain remained north of eastern Australia's wheat belt. Indeed, mostly dry weather persisted in drought-plagued southern Queensland and northern New South Wales, causing a further decline in wheat conditions while hampering soil moisture and reservoir recharge in advance of summer crop planting. Farther south, widespread showers (5-15 mm, locally more) moved into southern New South Wales and northeastern Victoria, providing a needed boost in topsoil moisture for vegetative

winter grains and oilseeds. Although the rain was welcome, more consistent rainfall would be beneficial to help maintain current crop prospects. Elsewhere in the wheat belt, mostly dry weather (less than 5 mm) covered the remainder of Victoria and most of South Australia and Western Australia. Sunny skies and generally adequate moisture supplies promoted wheat, barley, and canola development, but more rain would be welcome in these areas as well. Temperatures averaged 1 to 2°C above normal in Western Australia and near normal elsewhere in the wheat belt.



### ARGENTINA

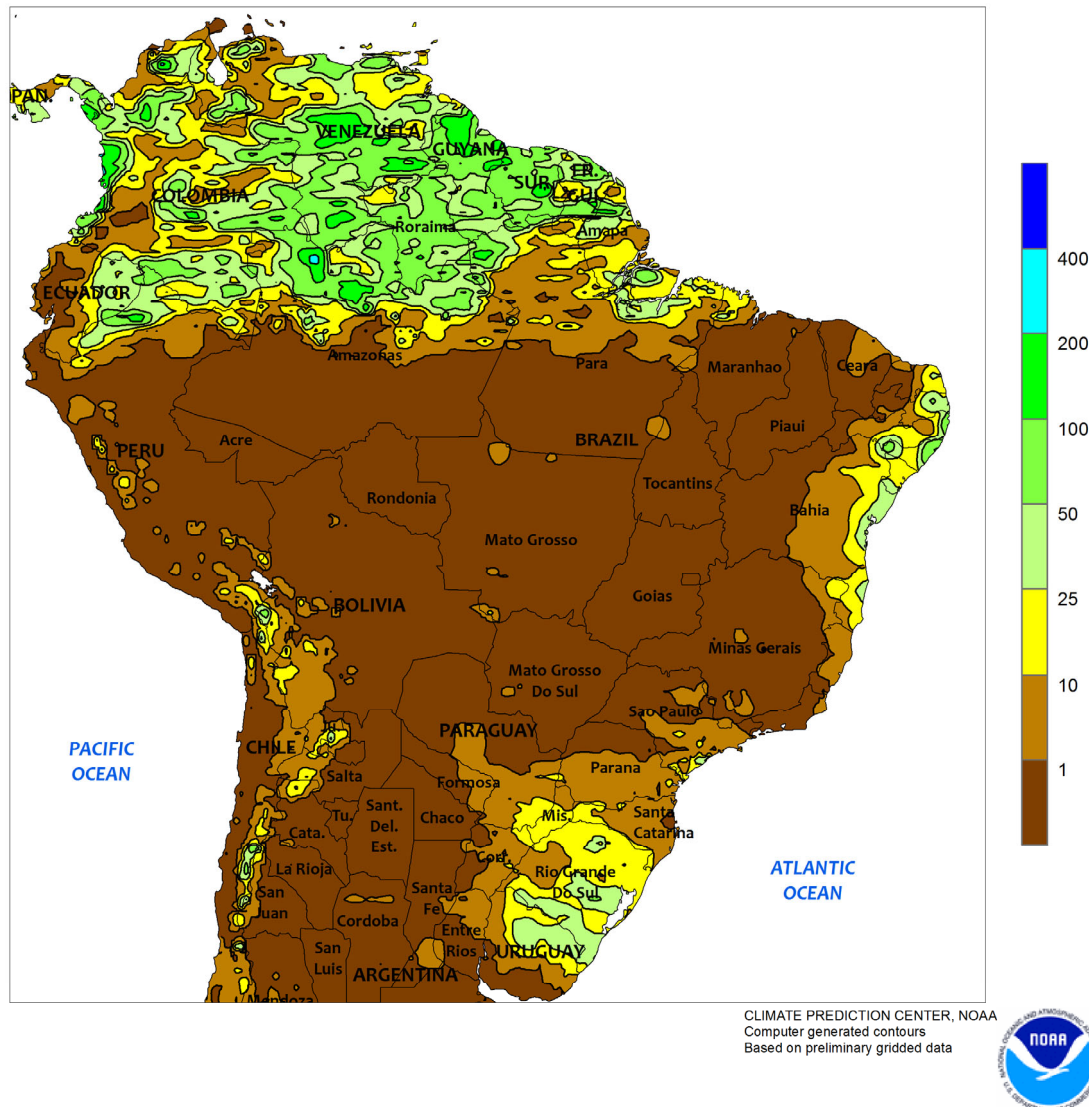
Dry weather dominated most Argentine farming areas, aiding the final stages of summer crop harvesting and winter grain planting. Most major production areas of central and northern Argentina were completely dry, including sections of the northeast (north and northeast of Santa Fe) recording unseasonable rain last week. Weekly temperatures generally averaged within 1°C of normal,

though many locations recorded nighttime lows at or below freezing and daytime highs ranged from the upper 10s (degrees C) in Buenos Aires to the lower 30s in Formosa. According to the government of Argentina, corn and cotton harvesting was 89 and 95 percent complete, respectively, as of August 1; wheat planting was also nearing completion at 98 percent planted.



## BRAZIL

Total Precipitation (mm)  
July 28 - August 3, 2019

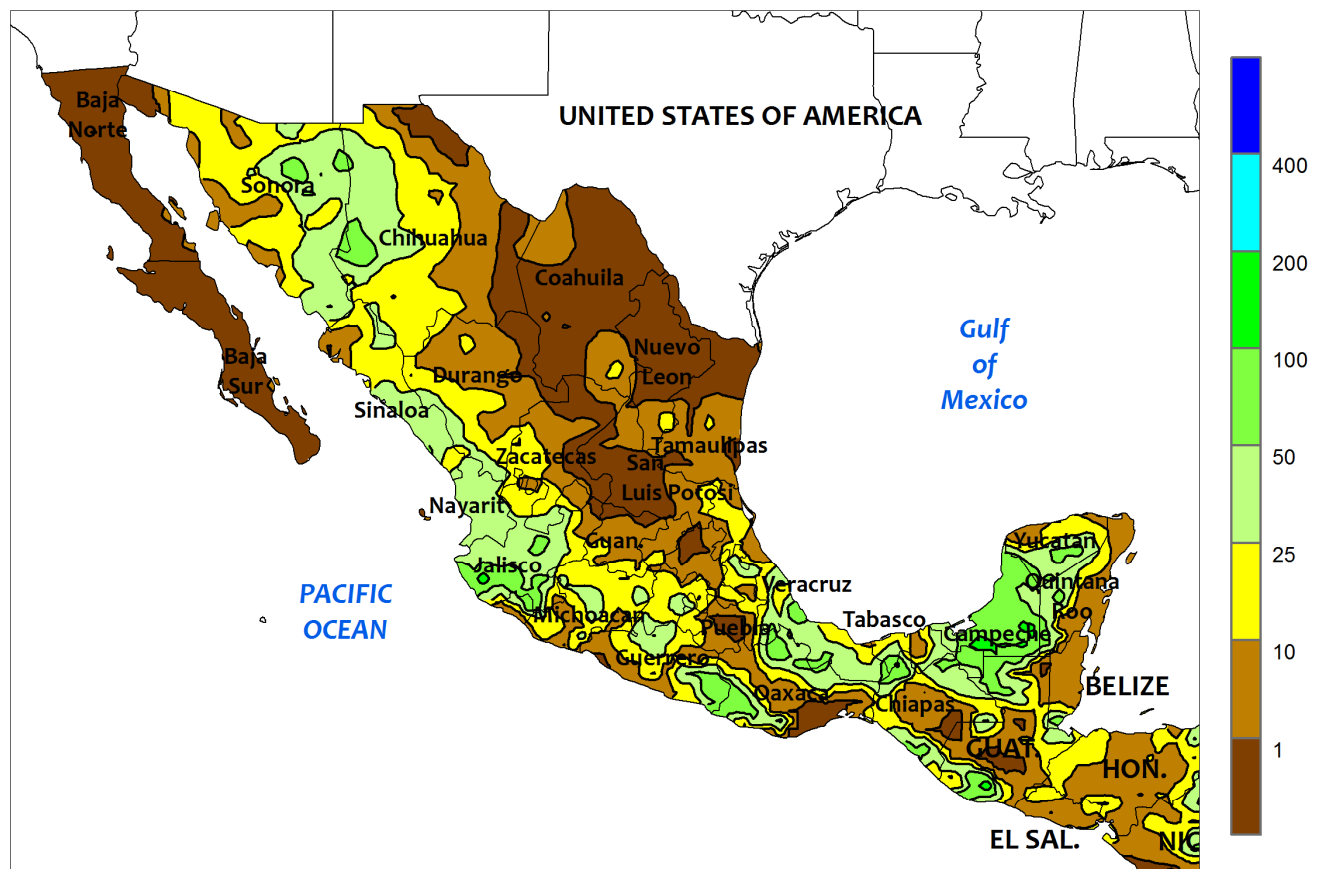


## BRAZIL

Seasonable warmth and dryness sustained a rapid pace of corn and cotton harvesting in central and northeastern Brazil. Virtually no rain fell from Mato Grosso southeastward to Sao Paulo and northeastward to Tocantins, western Bahia, and environs. Daytime highs reaching the upper 30s (degrees C) in traditionally warmer locations in the vicinity of Mato Grosso and Tocantins aided in the drying process. According to the government of Mato Grosso, corn was 98 percent harvested as of August 2; cotton was 36 percent harvested, slightly behind the 5-year pace of 39 percent. Elsewhere, the dryness dominating northern farming areas extended southward through Parana but locally heavy rain (25-50 mm or more) continued in Rio Grande

do Sul, maintaining abundant levels of moisture for vegetative wheat. Nighttime lows again dipped to 0°C in traditionally cooler locations of southern Parana and northern Rio Grande do Sul but the freeze was not reported to be widespread. According to the government of Parana, second-crop corn was 73 percent harvested as of July 29, with nearly all of the remainder having reached maturity; however, nearly 65 percent of wheat was reproductive or filling. Meanwhile, 3 percent of the wheat in Rio Grande do Sul had reportedly reached flowering by August 1. Meanwhile, seasonal rain (10-50 mm) continued along the northeastern coast, increasing moisture reserves for sugarcane, cocoa, and coffee.

MEXICO  
Total Precipitation (mm)  
July 28 - August 3, 2019



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

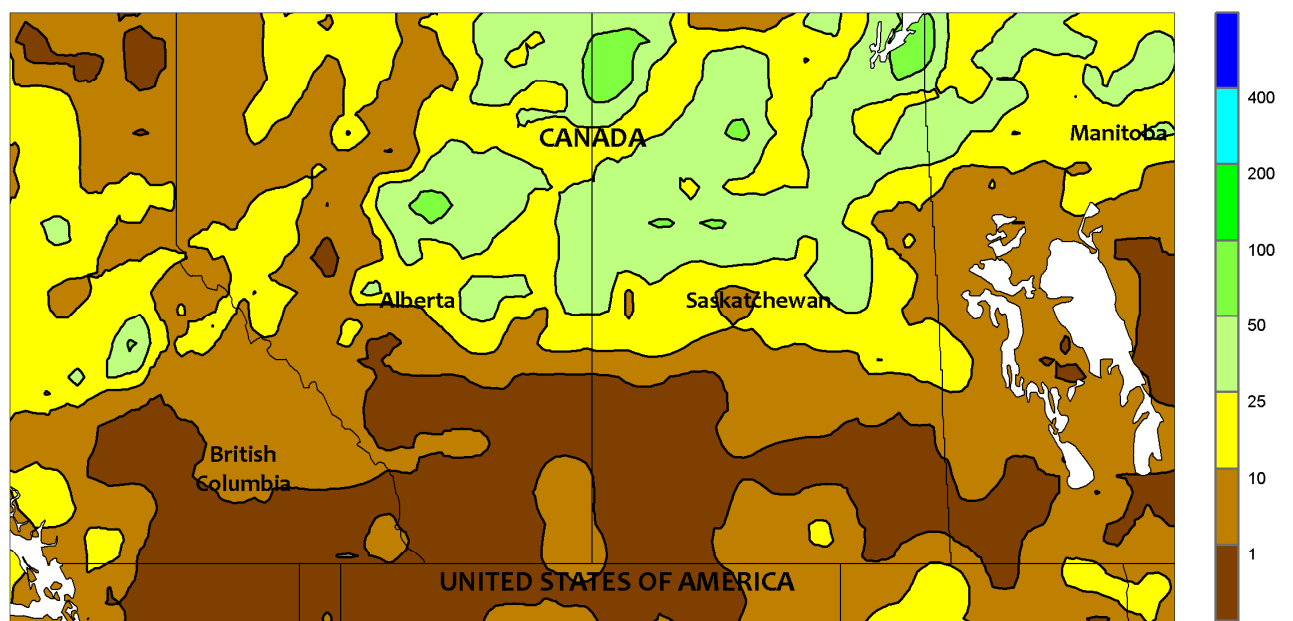


### MEXICO

Beneficial rain continued across much of the southern plateau, but pockets of dryness returned to other key southern farming areas. Rainfall totaled 10 to more than 50 mm from Jalisco to Puebla, with lighter rain (less than 25 mm) on northern and southern edges of the main summer corn belt. Pockets of dryness also returned to sugarcane areas in and around northern Veracruz as well as in farming

areas of Tabasco and Oaxaca. In northern Mexico, scattered showers (locally greater than 25 mm) continued in northwestern watersheds reaching as far east as central Chihuahua. However, warm, mostly dry weather (daytime highs reaching 40°C) dominated the northeast, maintaining high water demands of livestock and irrigated summer crops.

CANADIAN PRAIRIES  
Total Precipitation (mm)  
July 28 - August 3, 2019



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



#### CANADIAN PRAIRIES

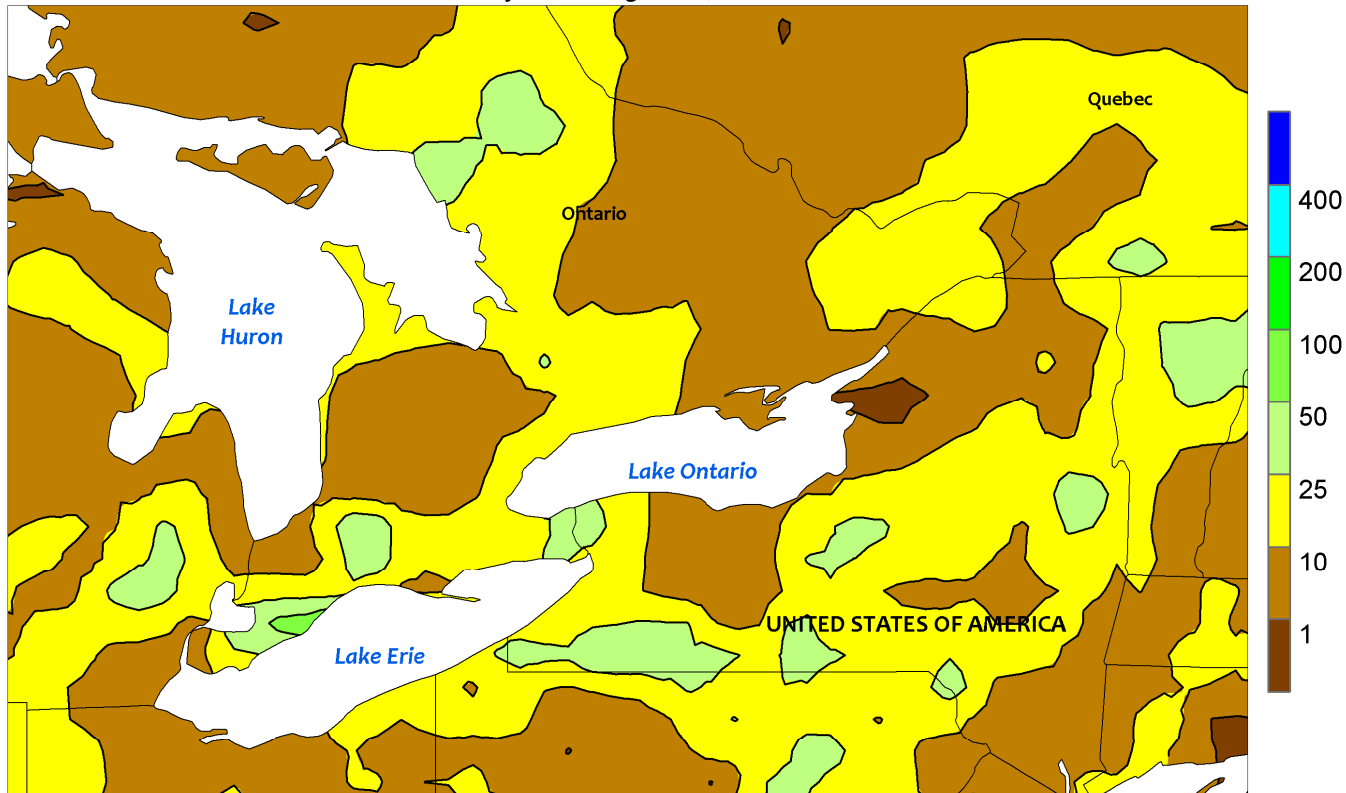
Mostly dry, warmer-than-normal weather fostered rapid development of spring grains and oilseeds in most Prairie farming areas. Weekly temperatures averaged 1 to 3°C above normal from Alberta's southern and central agricultural districts eastward through Manitoba, where daytime highs reached the lower and middle 30s (degrees C); showers (5-25 mm) and somewhat milder weather (daytime highs ranging in the lower 20s in the Peace River Valley) prevailed elsewhere. The hottest weather (highs greater than 35°C) prevailed in the

driest locations of the southwestern Prairies, maintaining locally unfavorable prospects for durum wheat and other spring crops. Nighttime lows dropped below 5°C in spots but no freeze was reported. According to the government of Saskatchewan, topsoil moisture on cropland was rated 2 percent surplus and 76 percent adequate as of July 29, with the remainder rated short to very short. Additionally, some crops were reportedly as much as 2 weeks behind schedule, raising concerns over the timing of the first autumn freeze.

## SOUTHEASTERN CANADA

Total Precipitation (mm)

July 28 - August 3, 2019



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



## SOUTHEASTERN CANADA

Showers returned to farming areas of southwestern Ontario but mostly dry weather continued elsewhere. Rainfall totaled 5 to 50 mm in agricultural areas south of London, Ontario, and in Quebec's eastern farmlands; otherwise, little to no rain fell. Weekly temperatures averaged near to above normal, with daytime highs ranging from the upper 20s to lower 30s

(degrees C). After an initially wet start to the growing season, below-normal rainfall has reduced moisture for corn and soybeans, some possibly developing with a shallow rooting system. However, the dryness has offered opportunities to treat crops – including immature winter wheat – for pests and diseases.

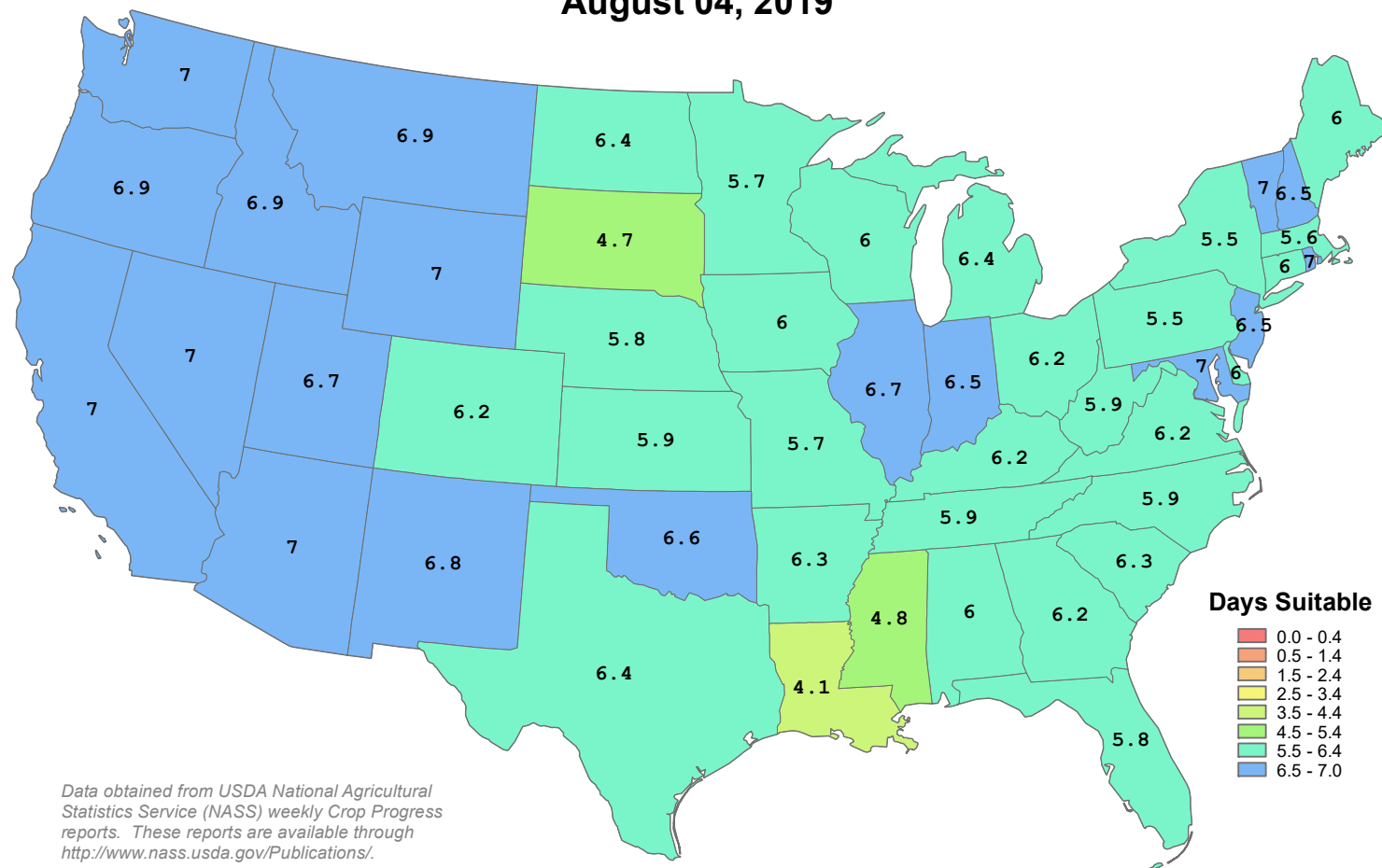


United States  
Department of  
Agriculture

This product was prepared by the  
USDA Office of the Chief Economist (OCE)  
World Agricultural Outlook Board (WAOB)

# Days Suitable for Fieldwork

Week Ending  
August 04, 2019



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

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The *Weekly Weather and Crop Bulletin* and archives are maintained on the following USDA Internet URL:

<http://www.usda.gov/oce/weather/pubs/Weekly/Wwcb/index.htm>

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