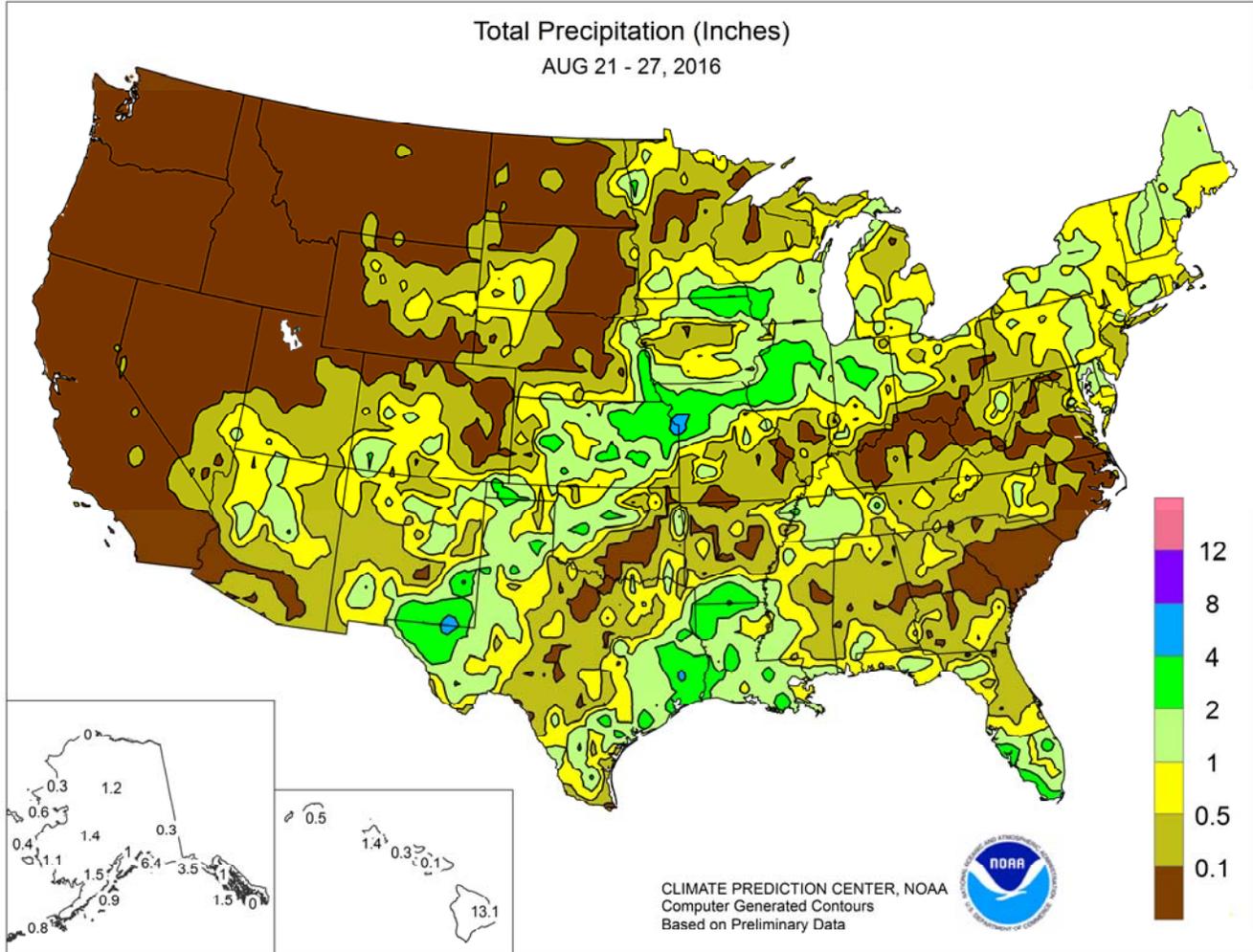


WEEKLY WEATHER AND CROP BULLETIN



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 August 21 – 27, 2016

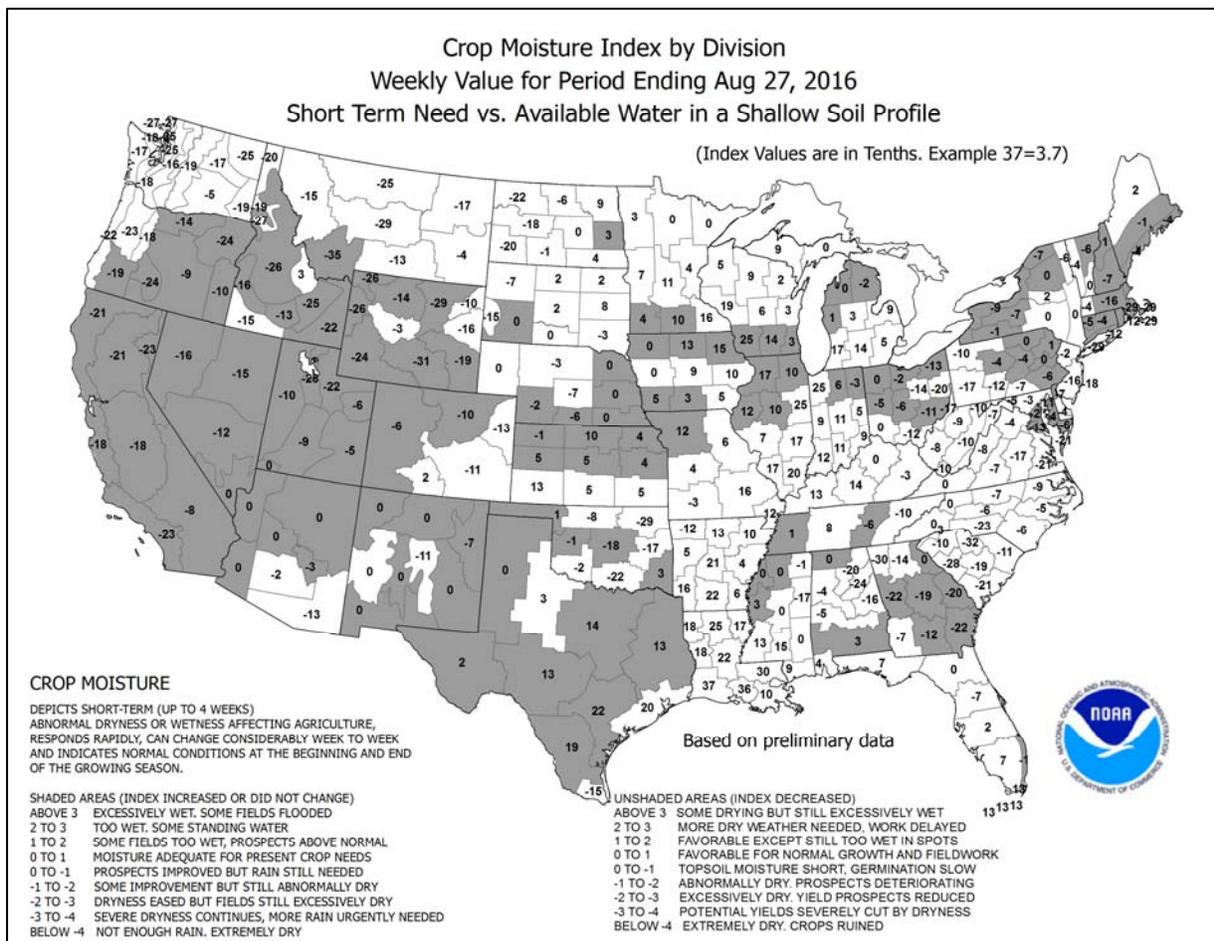
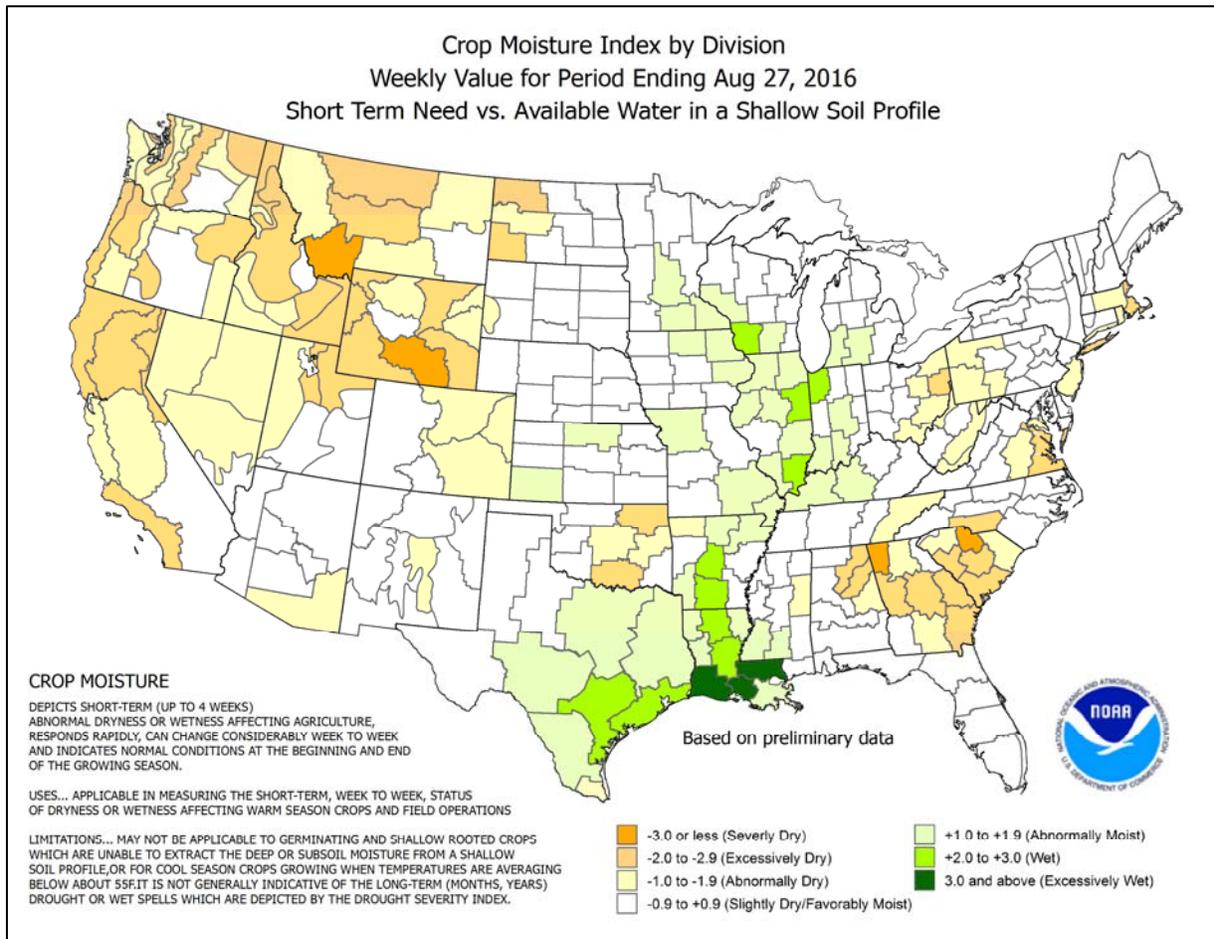
Highlights provided by USDA/WAOB

The development of a large ridge of high pressure over the **Southeast** resulted in hot, humid conditions across a broad area and a lack of organized rainfall as far north as the **Mid-Atlantic States**. In fact, above-normal temperatures dominated the **eastern U.S.**, while **Northeastern** rainfall also gradually diminished. Meanwhile, heat returned to parts of the **West**, promoting fieldwork and summer crop maturation but hampering containment efforts for several large wildfires. By August 27, nearly a dozen actively burning wildfires in six **Western States** had charred at

(Continued on page 5)

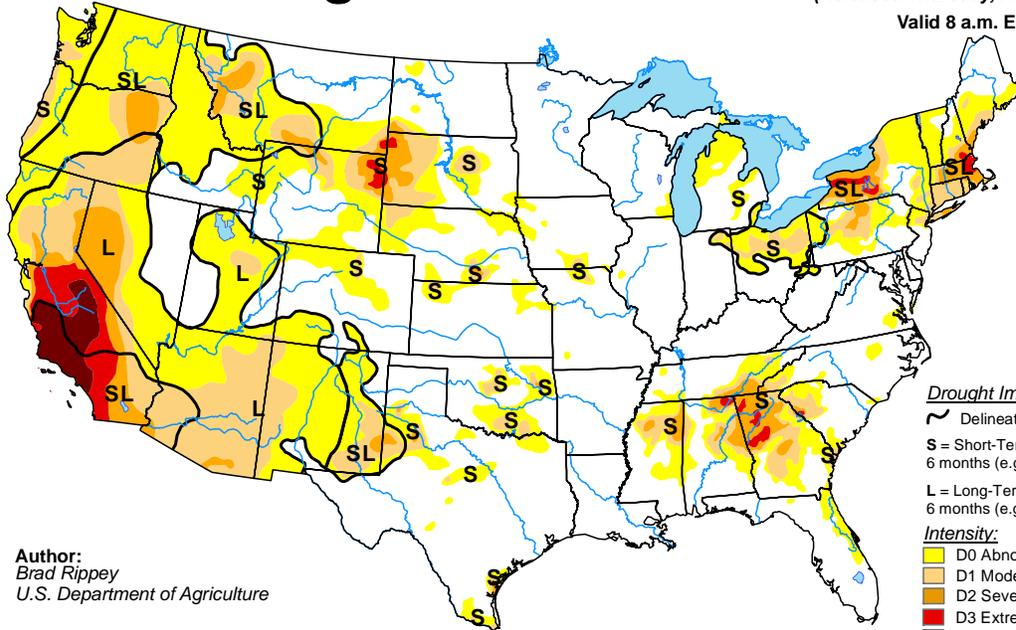
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U.S. Drought Monitor

August 23, 2016
(Released Thursday, Aug. 25, 2016)
Valid 8 a.m. EDT

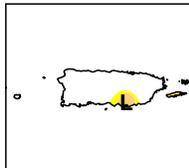
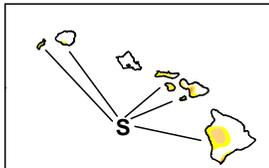
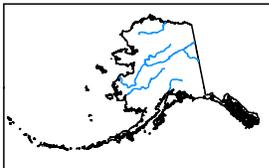


Author:
Brad Rippey
U.S. Department of Agriculture

Drought Impact Types:
~ Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

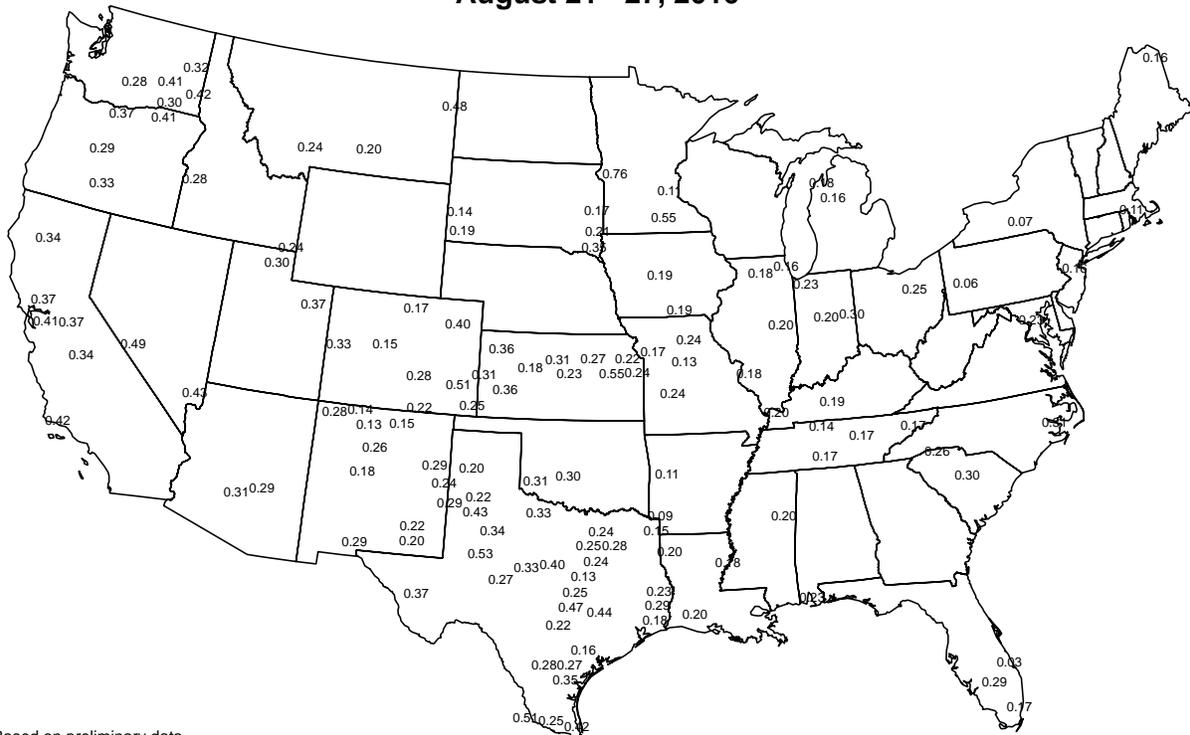
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



<http://droughtmonitor.unl.edu/>

Average Pan Evaporation (inches/day)

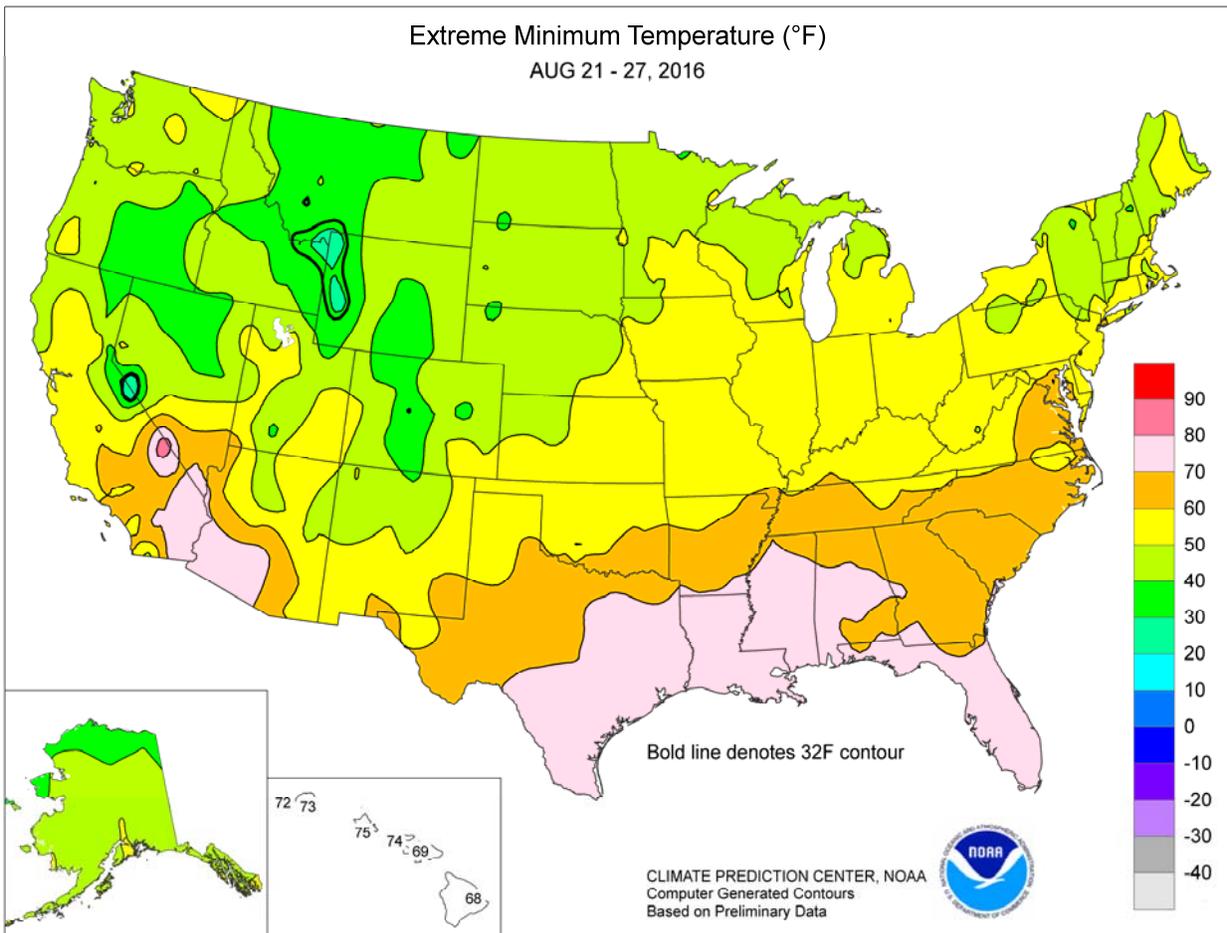
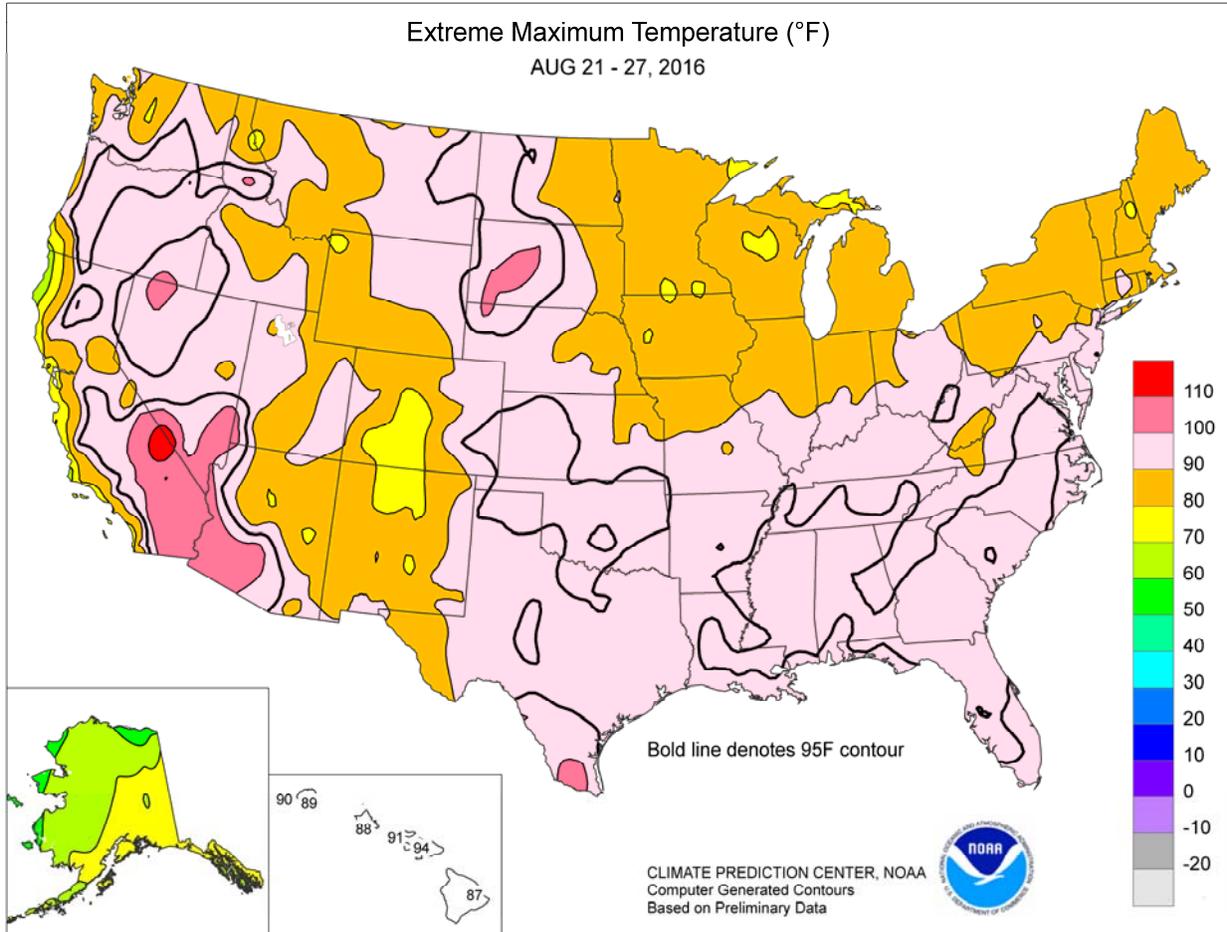
August 21 - 27, 2016



Based on preliminary data

USDA Agricultural Weather Assessments

Data obtained from the NWS Cooperative Observer Network.

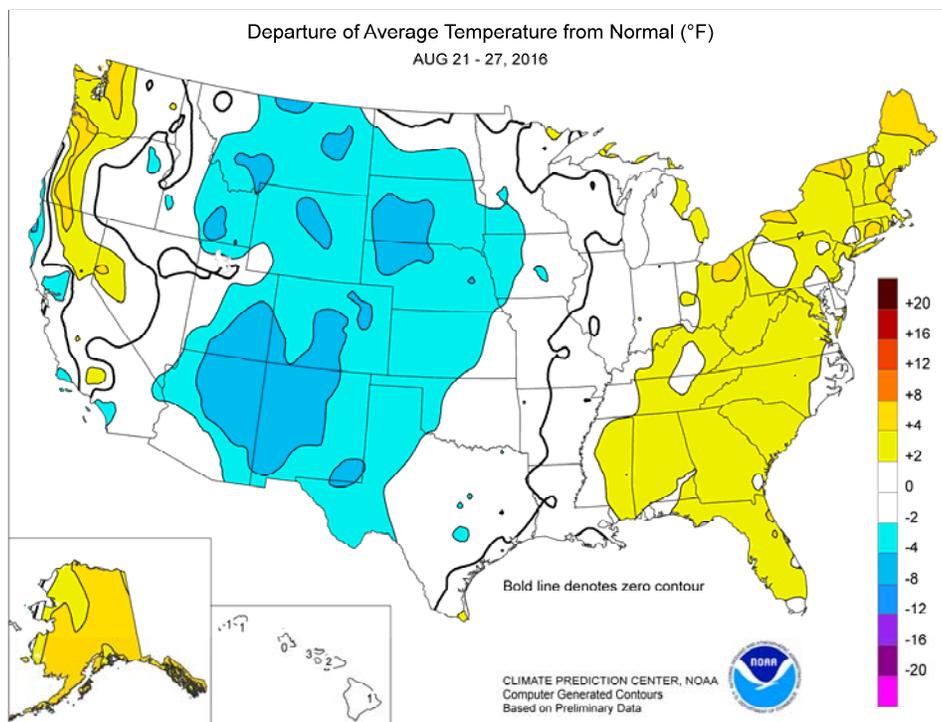


(Continued from front cover)

least 20,000 acres of vegetation apiece. However, the monsoon circulation helped to suppress temperatures in the **Southwest** due to cloudiness and showers. Farther east, below-normal temperatures covered the **nation's mid-section**, accompanied by widespread showers. The axis of heaviest rainfall stretched from the **southern High Plains to the east-central Plains**, benefiting pastures and immature summer crops, but causing local flooding. On the **northern Plains**, however, conditions remained dry enough to allow small grain harvest activities to proceed. Elsewhere, **Midwestern** conditions varied from cooler-than-normal weather in the **western Corn Belt** to late-season warmth in the **Ohio Valley** and the **lower Great Lakes region**. Locally heavy rain fell in parts of the **Midwest**, generally stretching northeastward from the **southwestern Corn Belt**.

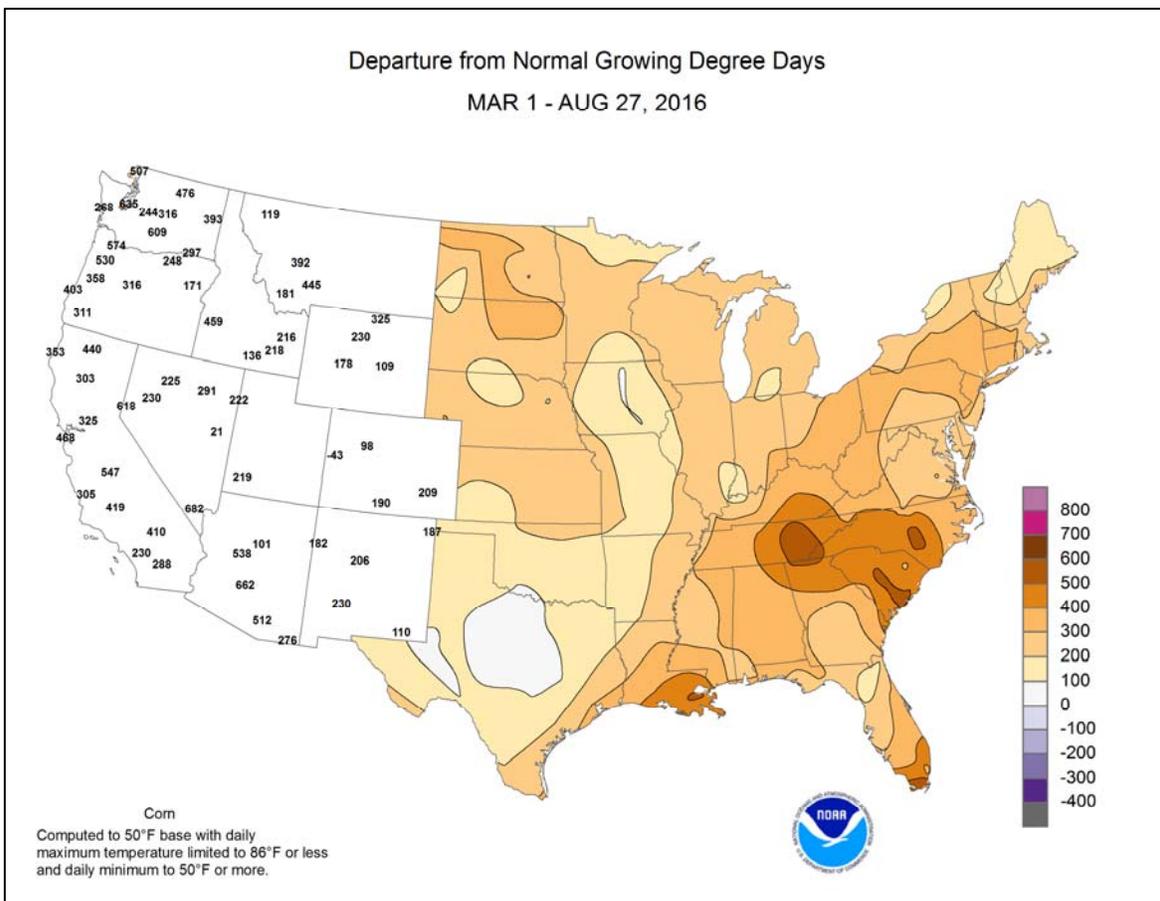
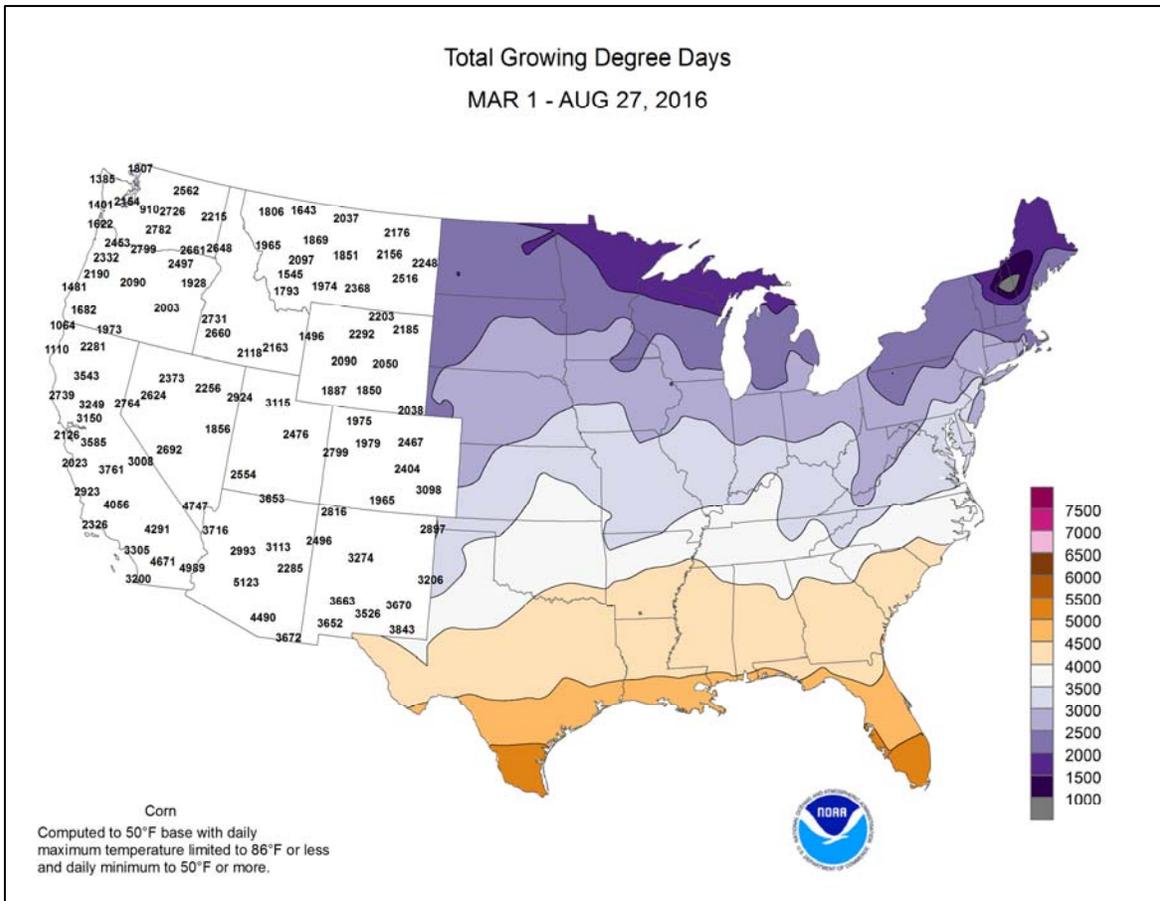
As the week began, cool conditions blanketed the **northwestern and central U.S.** Daily-record lows for August 21 dipped to 38°F in **Casper, WY**; 43°F in **North Platte, NE**; and 46°F in **Hill City, KS**. Just a few days later, however, record-setting heat returned to the **Pacific Northwest**. In **western Washington**, **Quillayute** posted a trio of daily-record highs (91, 92, and 86°F) from August 24-26. Consecutive daily-record highs occurred on August 25-26 in locations such as **Salem, OR** (97 and 99°F), and **Seattle, WA** (91 and 92°F). Meanwhile, consistent heat prevailed in much of the **eastern U.S.**, where selected daily-record highs climbed to 99°F (on August 23) in **Sarasota-Bradenton, FL**; 99°F (on August 26) in **Richmond, VA**; 98°F (on August 27) in **Raleigh-Durham, NC**. Meanwhile, cloudiness and showers covered the **western Gulf Coast region** early in the week and the **Southwest** at week's end. **Victoria, TX**, reported a record-low maximum temperature of 80°F on August 21; **Cedar City, UT**, achieved the same feat with a high of just 71°F on August 27.

Early-week showers brought limited drought relief to the **Northeast**; daily-record rainfall totals for August 21 reached 1.45 inches in **Reading, PA**, and 1.30 inches in **Watertown, NY**. Meanwhile, lingering showers in the **western and central Gulf Coast States** maintained a sluggish fieldwork pace and further threatened the quality of unharvested crops, such as rice. In fact, heavy rain on August 25 resulted in daily-record totals in locations such as **El Dorado, AR** (4.71 inches), and **Shreveport, LA** (2.17 inches). **Shreveport** received measurable rain on 9 consecutive days from August 14-22, tying an August record originally set in 2008. August rainfall records were broken at several **Arkansas** locations, including **Mount Ida**—where the previous record of 12.00 inches had been set in



1915. Farther north, a cold front sweeping across **northern sections of the Rockies and Plains** produced high winds; a gust to 74 mph in **Two Medicine, MT**, was the highest in that location during August since the beginning of the century. Heavy rain eventually reached parts of the **Midwest** due to a combination of approaching cold fronts and moisture being channeled into the region by the monsoon circulation and the **Southeastern** ridge of high pressure. Selected **Midwestern** daily-record amounts totaled 2.45 inches (on August 23) in **Sioux City, IA**; 1.96 inches (on August 26) in **Kansas City, MO**; and 1.47 inches (on August 24) in **Quincy, IL**. **Decorah, IA**, was deluged by 8.06 inches of rain on August 23-24, breaking a 24-hour rainfall record in that location (previously, 6.60 inches on June 7-8, 2008). **South Bend, IN**, received 1.15 inches on August 27, further padding its new August rainfall record (previously, 8.88 inches in 2007). Areas from **central Indiana to northwestern Ohio** also endured a tornado outbreak on August 24. Toward week's end, shower activity increased in coverage and intensity in the **Southwest**, where **Flagstaff, AZ**, collected consecutive daily-record rainfall amounts (1.41 and 0.94 inches) on August 26-27.

Alaska's warm, showery summer continued. **Anchorage** noted a daily-record rainfall of 1.02 inches on August 22, followed by a daily-record high of 73°F on August 27. Other **Alaskan** daily-record highs on the 27th included 78°F in **Yakutat** and 76°F in **Juneau** and **King Salmon**. Meanwhile, weekly rainfall totaled 1.67 inches in **King Salmon**, 1.61 inches in **Anchorage**, and 1.36 inches in **McGrath**. Farther south, parts of **Hawaii** experienced early- to mid-week downpours, followed by a return to more typical, late-summer weather. On the **Big Island, Hilo** netted 11.19 inches of rain on August 22-23. Through the 27th, **Hilo's** month-to-date rainfall reached 19.01 inches, 219 percent of normal.



National Weather Data for Selected Cities

Weather Data for the Week Ending August 27, 2016

Data Provided by Climate Prediction Center

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN, SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	92	74	95	71	83	4	0.55	-0.17	0.45	13.50	114	35.11	95	92	51	5	0	2	0
HUNTSVILLE	93	72	98	68	82	4	1.73	1.00	1.27	14.19	124	32.48	85	87	51	5	0	3	1
MOBILE	92	74	95	72	83	2	0.16	-1.24	0.16	18.67	111	46.84	102	96	59	7	0	1	0
AK MONTGOMERY	96	74	97	72	85	4	0.20	-0.58	0.12	10.85	87	33.22	88	87	42	7	0	2	0
ANCHORAGE	66	55	73	53	60	5	1.61	0.91	1.02	9.73	187	11.89	140	90	72	0	0	5	1
BARROW	47	37	64	33	42	4	0.02	-0.20	0.01	2.34	115	3.68	142	87	66	0	0	2	0
FAIRBANKS	69	53	72	49	61	7	0.28	-0.09	0.11	9.82	212	11.70	176	95	82	0	0	5	0
JUNEAU	67	52	76	46	60	5	0.97	-0.31	0.31	12.71	106	35.50	115	92	80	0	0	4	0
KODIAK	63	55	73	49	59	4	0.87	-0.26	0.28	9.22	70	51.99	118	94	83	0	0	6	0
NOME	55	46	60	35	50	0	0.57	-0.17	0.46	7.18	119	10.26	106	91	82	0	0	3	0
AZ FLAGSTAFF	70	46	77	44	58	-5	2.74	2.15	1.38	10.17	190	17.19	116	98	43	0	0	5	2
PHOENIX	100	78	103	74	89	-2	0.14	-0.03	0.10	2.17	115	4.05	82	50	30	7	0	2	0
PRESCOTT	78	56	83	54	67	-3	2.52	1.85	1.09	7.77	126	11.56	89	92	40	0	0	5	2
TUCSON	95	72	99	68	83	-2	0.02	-0.43	0.02	6.07	139	8.60	114	59	30	7	0	1	0
AR FORT SMITH	89	70	95	63	80	-1	0.04	-0.55	0.04	9.28	97	26.49	96	87	50	3	0	1	0
LITTLE ROCK	92	74	96	68	83	3	0.14	-0.55	0.11	16.76	173	45.95	143	88	52	5	0	2	0
CA BAKERSFIELD	96	69	99	64	83	2	0.00	0.00	0.00	0.00	0	4.10	89	40	27	7	0	0	0
FRESNO	95	65	99	61	80	1	0.00	0.00	0.00	0.06	25	9.08	115	58	35	7	0	0	0
LOS ANGELES	75	64	76	63	70	-1	0.00	-0.03	0.00	0.00	0	6.00	63	82	65	0	0	0	0
REDDING	98	63	102	60	81	3	0.00	-0.06	0.00	2.46	283	30.63	139	62	36	7	0	0	0
SACRAMENTO	86	56	88	54	71	-3	0.00	-0.02	0.00	0.00	0	12.75	106	89	32	0	0	0	0
SAN DIEGO	76	66	78	62	71	-2	0.00	-0.02	0.00	0.00	0	5.01	65	83	69	0	0	0	0
SAN FRANCISCO	70	58	73	56	64	0	0.00	-0.01	0.00	0.00	0	12.44	93	81	67	0	0	0	0
STOCKTON	90	57	93	54	74	-2	0.00	0.00	0.00	0.00	0	12.12	134	82	50	5	0	0	0
CO ALAMOSA	72	39	75	35	56	-5	0.20	-0.05	0.15	1.51	60	5.88	126	94	46	0	0	2	0
CO SPRINGS	79	52	86	43	65	-1	0.01	-0.71	0.01	5.04	61	12.97	93	76	27	0	0	1	0
DENVER INTL	82	53	93	47	67	-2	0.17	-0.14	0.12	2.91	53	10.73	101	72	27	2	0	2	0
GRAND JUNCTION	84	57	92	51	70	-3	0.23	0.06	0.19	1.26	72	6.23	109	64	36	1	0	3	0
PUEBLO	87	56	94	50	72	0	0.03	-0.42	0.03	3.02	56	10.20	105	76	39	3	0	1	0
CT BRIDGEPORT	85	68	93	59	77	5	0.39	-0.44	0.39	9.22	87	24.76	84	77	49	1	0	1	0
HARTFORD	85	62	92	52	73	3	1.11	0.19	1.11	8.40	77	22.34	75	82	46	1	0	1	1
DC WASHINGTON	89	71	95	67	80	4	0.69	-0.07	0.69	9.60	99	24.94	97	82	49	3	0	1	1
DE WILMINGTON	87	65	93	56	76	2	1.01	0.25	1.01	11.48	106	29.34	103	88	45	2	0	1	1
FL DAYTONA BEACH	93	76	96	73	85	4	0.17	-1.32	0.12	5.57	35	25.57	81	92	52	7	0	3	0
JACKSONVILLE	93	72	97	66	83	3	0.36	-1.32	0.36	7.38	43	21.84	63	96	50	7	0	1	0
KEY WEST	90	78	92	72	84	0	5.06	3.71	2.11	12.94	105	24.59	105	94	74	5	0	5	4
MIAMI	93	80	94	78	86	2	0.26	-1.91	0.21	23.81	111	44.20	120	88	59	7	0	3	0
ORLANDO	93	77	97	76	85	2	0.57	-0.87	0.47	19.90	100	39.99	117	90	58	7	0	3	0
PENSACOLA	87	78	92	75	83	1	0.39	-1.10	0.28	21.21	104	45.47	101	89	64	2	0	4	0
TALLAHASSEE	95	76	100	74	86	4	0.89	-0.62	0.33	23.60	112	46.99	102	90	50	7	0	3	0
TAMPA	93	79	95	77	86	3	0.98	-0.82	0.52	24.77	134	40.67	132	87	57	7	0	4	1
GA WEST PALM BEACH	92	79	94	78	86	3	1.32	-0.38	1.07	10.16	54	31.53	83	84	62	7	0	5	1
ATHENS	90	71	94	69	81	3	0.39	-0.41	0.25	15.80	136	30.97	94	99	77	4	0	3	0
ATLANTA	91	73	94	71	82	4	1.15	0.38	0.80	9.98	84	29.12	84	88	54	4	0	2	1
AUGUSTA	94	70	98	67	82	3	0.00	-1.01	0.00	6.73	56	25.46	81	93	46	7	0	0	0
COLUMBUS	94	74	96	72	84	3	0.87	0.11	0.87	8.48	71	27.92	81	91	41	7	0	1	1
MACON	95	71	98	68	83	4	0.04	-0.79	0.04	6.25	56	24.21	76	92	43	7	0	1	0
SAVANNAH	94	72	98	68	83	3	0.07	-1.58	0.07	11.17	63	33.84	96	88	50	7	0	1	0
HI HILO	83	72	87	68	77	1	13.13	10.94	8.81	37.07	140	62.01	77	93	80	0	0	6	3
HONOLULU	87	76	88	75	82	0	1.40	1.33	1.24	4.42	337	8.47	83	79	70	0	0	3	1
KAHULUI	90	73	94	69	82	2	0.05	-0.06	0.03	1.88	165	9.61	80	79	72	3	0	3	0
LIHUE	87	75	89	73	81	1	0.51	0.11	0.19	4.21	76	10.64	47	84	74	0	0	6	0
ID BOISE	86	56	95	50	71	-1	0.00	-0.07	0.00	0.45	35	4.97	64	41	22	2	0	0	0
LEWISTON	89	57	99	50	73	1	0.00	-0.17	0.00	2.82	115	9.63	113	45	26	3	0	0	0
POCATELLO	83	44	92	40	63	-4	0.00	-0.14	0.00	0.44	21	7.25	87	52	22	1	0	0	0
IL CHICAGO/O'HARE	81	63	85	56	72	1	1.30	0.23	0.84	12.72	115	26.35	109	88	61	0	0	4	1
MOLINE	82	62	87	53	72	0	2.06	1.07	1.48	18.48	148	28.48	107	91	61	0	0	4	1
PEORIA	82	64	87	56	73	1	2.82	2.15	1.32	14.71	139	23.82	98	97	62	0	0	4	2
ROCKFORD	81	62	85	52	71	1	1.05	0.09	0.43	13.55	109	25.61	101	90	63	0	0	4	0
SPRINGFIELD	85	66	91	55	75	2	0.35	-0.39	0.30	19.93	195	33.53	138	94	56	1	0	3	0
IN EVANSVILLE	87	67	93	59	77	2	0.14	-0.55	0.14	16.71	159	38.46	127	92	55	3	0	1	0
FORT WAYNE	82	61	86	54	72	2	0.96	0.16	0.94	8.85	83	23.04	93	92	58	0	0	2	1
INDIANAPOLIS	84	67	92	58	76	3	2.50	1.69	1.82	16.82	141	34.32	122	91	57	2	0	3	2
SOUTH BEND	79	62	84	55	71	1	1.36	0.43	1.15	18.94	168	34.05	133	96	68	0	0	3	1
IA BURLINGTON	81	63	86	54	72	-1	0.74	-0.11	0.25	13.15	107	24.00	92	100	61	0	0	4	0
CEDAR RAPIDS	79	60	85	52	69	-2	0.95	-0.01	0.55	19.80	163	30.31	128	100	65	0	0	3	1
DES MOINES	81	63	85	57	72	-1	0.76	-0.25	0.70	13.11									

Weather Data for the Week Ending August 27, 2016

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	
WICHITA	88	67	94	57	77	-2	0.12	-0.54	0.07	20.74	206	36.30	170	88	57	2	0	2	0	
KY JACKSON	86	66	92	59	76	3	0.05	-0.86	0.05	17.81	139	40.62	122	94	54	3	0	1	0	
LEXINGTON	87	66	94	58	77	3	0.08	-0.70	0.08	16.07	127	35.00	109	88	51	3	0	1	0	
LOUISVILLE	89	70	93	63	80	4	0.00	-0.69	0.00	14.58	132	33.64	109	85	46	4	0	0	0	
LA PADUCAH	89	66	95	58	78	3	0.79	0.14	0.79	17.53	152	41.73	127	94	52	4	0	1	1	
BATON ROUGE	93	75	96	72	84	3	2.70	1.39	1.28	42.79	261	72.99	167	97	56	6	0	4	2	
LAKE CHARLES	91	76	92	74	83	1	1.62	0.45	1.02	25.49	168	55.81	150	99	63	6	0	3	2	
NEW ORLEANS	94	79	97	76	87	5	2.44	0.96	1.04	26.14	144	55.46	125	86	67	7	0	5	3	
SHREVEPORT	92	74	95	72	83	1	3.10	2.52	2.17	16.42	144	50.65	149	98	59	6	0	4	2	
ME CARIBOU	78	57	85	51	68	6	1.19	0.28	0.86	14.70	136	30.62	126	91	55	0	0	4	1	
PORTLAND	82	60	88	53	71	5	0.75	0.08	0.67	8.02	87	23.53	82	88	47	0	0	3	1	
MD BALTIMORE	86	65	93	59	76	2	0.38	-0.45	0.38	13.25	127	31.09	112	85	53	2	0	1	0	
MA BOSTON	84	66	91	61	75	4	0.90	0.12	0.84	3.92	43	20.26	75	87	43	1	0	2	1	
WORCESTER	80	61	85	54	71	4	1.40	0.49	0.74	7.68	66	23.39	75	89	44	0	0	2	2	
MI ALPENA	80	56	87	48	68	5	0.21	-0.56	0.13	5.19	59	19.97	106	88	49	0	0	2	0	
GRAND RAPIDS	79	60	82	53	70	2	1.45	0.53	1.18	14.80	143	31.81	136	88	56	0	0	4	1	
HOUGHTON LAKE	77	57	82	50	67	4	0.24	-0.64	0.22	8.66	98	22.73	122	91	62	0	0	2	0	
LANSING	79	60	83	53	70	3	0.57	-0.30	0.38	10.34	114	23.25	115	90	58	0	0	3	0	
MUSKOGON	78	61	80	55	70	3	1.24	0.31	0.87	11.21	140	25.15	126	90	64	0	0	4	1	
MN TRVERSE CITY	78	61	83	54	70	3	0.48	-0.33	0.16	7.03	76	18.62	88	91	49	0	0	5	0	
DULUTH	75	56	85	50	66	4	0.33	-0.66	0.32	12.05	101	22.16	107	91	62	0	0	2	0	
INT'L FALLS	76	48	85	37	62	0	0.65	-0.08	0.59	12.21	122	19.99	122	95	54	0	0	2	1	
MNNEAPOLIS	77	61	84	56	69	0	1.11	0.21	1.02	15.81	133	24.73	117	87	57	0	0	3	1	
ROCHESTER	76	57	80	53	67	1	0.87	-0.07	0.87	16.62	134	28.31	126	97	69	0	0	1	1	
ST. CLOUD	75	55	83	48	65	-1	0.05	-0.88	0.05	14.33	128	20.70	108	100	57	0	0	1	0	
MS JACKSON	93	74	95	72	84	3	2.22	1.46	1.36	20.67	177	53.11	138	93	54	7	0	4	2	
MERIDIAN	96	74	98	72	85	4	0.69	0.03	0.60	12.35	100	37.34	91	90	52	7	0	2	1	
TUPELO	92	73	97	70	82	3	1.45	0.86	1.32	13.76	128	35.86	95	90	67	5	0	3	1	
MO COLUMBIA	84	65	90	58	75	0	0.10	-0.73	0.07	17.82	162	27.96	103	97	62	1	0	2	0	
KANSAS CITY	84	64	88	55	74	-1	5.10	4.31	1.96	16.41	139	36.94	145	91	55	0	0	4	3	
SAINT LOUIS	88	70	95	62	79	2	0.03	-0.60	0.03	14.90	146	27.94	107	80	54	3	0	1	0	
MT SPRINGFIELD	86	67	92	56	77	1	0.68	-0.20	0.68	13.90	124	25.15	89	87	58	3	0	1	1	
BILLINGS	80	52	92	47	66	-3	0.00	-0.18	0.00	2.35	61	7.75	73	62	22	2	0	0	0	
BUTTE	73	36	86	30	55	-5	0.00	-0.30	0.00	2.15	46	5.68	59	69	18	0	1	0	0	
CUT BANK	73	46	87	36	60	-1	0.00	-0.39	0.00	3.79	69	8.27	84	74	25	0	0	0	0	
GLASGOW	79	50	92	46	64	-4	0.02	-0.23	0.02	7.72	153	16.00	186	76	44	2	0	1	0	
GREAT FALLS	77	48	91	37	62	-2	0.01	-0.35	0.01	3.28	65	9.30	83	67	23	1	0	1	0	
HAVRE	78	46	93	39	62	-4	0.03	-0.22	0.02	5.38	122	13.27	153	83	42	1	0	2	0	
MISSOULA	81	46	93	40	63	-2	0.03	-0.23	0.03	3.10	83	8.22	86	64	32	1	0	1	0	
NE GRAND ISLAND	82	57	93	47	70	-2	0.00	-0.69	0.00	4.59	48	19.27	99	86	50	1	0	0	0	
LINCOLN	82	60	91	52	71	-3	0.23	-0.50	0.17	8.55	86	20.86	101	91	55	1	0	3	0	
NORFOLK	79	57	87	45	68	-3	1.18	0.60	1.15	8.44	81	24.89	123	89	58	0	0	3	1	
NORTH PLATTE	86	52	94	43	69	-2	0.05	-0.34	0.05	7.95	96	19.13	122	88	37	2	0	1	0	
OMAHA	81	61	86	55	71	-2	1.22	0.52	1.20	12.24	116	25.23	117	86	63	0	0	2	1	
SCOTTSBLUFF	82	52	94	47	67	-2	0.01	-0.21	0.01	3.62	63	12.73	101	88	46	1	0	1	0	
VALENTINE	82	51	94	45	66	-5	0.11	-0.30	0.11	8.10	97	22.02	143	84	40	1	0	1	0	
NV ELY	84	43	88	39	63	-1	0.15	-0.04	0.15	2.06	104	8.86	132	62	20	0	0	1	0	
LAS VEGAS	98	77	102	71	87	-1	0.04	-0.04	0.03	0.86	98	3.71	118	38	22	7	0	2	0	
RENO	91	57	96	53	74	5	0.04	-0.02	0.04	0.04	5	5.25	109	47	21	5	0	1	0	
WINNEMUCCA	90	45	97	38	68	0	0.00	-0.08	0.00	0.01	1	4.58	85	35	12	4	0	0	0	
NH CONCORD	87	56	90	46	72	5	0.94	0.24	0.54	5.48	59	18.21	76	89	38	3	0	4	1	
NJ NEWARK	88	67	95	59	78	3	0.14	-0.72	0.13	9.41	82	24.62	79	75	41	2	0	2	0	
NM ALBUQUERQUE	81	58	84	55	70	-5	0.21	-0.16	0.13	2.17	64	3.36	56	82	36	0	0	2	0	
NY ALBANY	82	60	87	50	71	3	0.74	-0.09	0.42	12.69	123	23.44	94	92	50	0	0	3	0	
BINGHAMTON	76	59	82	51	68	3	1.39	0.61	1.20	11.13	110	23.92	95	91	62	0	0	3	1	
BUFFALO	81	63	86	57	72	4	1.82	0.88	1.54	6.39	63	17.63	70	88	51	0	0	2	1	
ROCHESTER	83	62	88	56	73	5	0.75	-0.10	0.47	5.28	57	16.89	78	88	49	0	0	2	0	
SYRACUSE	81	61	86	52	71	3	0.66	-0.17	0.61	8.73	82	23.49	93	90	54	0	0	2	1	
NC ASHEVILLE	85	65	90	63	75	4	0.07	-0.92	0.07	13.57	114	28.45	88	89	53	1	0	1	0	
CHARLOTTE	93	70	98	65	81	3	0.63	-0.20	0.34	6.20	60	21.49	74	82	40	5	0	2	0	
GREENSBORO	89	69	94	65	79	3	0.95	0.14	0.55	11.69	105	30.66	106	89	47	4	0	2	1	
HATTERAS	87	72	90	69	80	2	0.01	-1.49	0.01	16.28	113	50.34	139	86	57	1	0	1	0	
RALEIGH	92	69	99	64	81	4	0.18	-0.65	0.18	17.11	157	36.71	126	86	45	4	0	1	0	
WILMINGTON	89	70	95	65	80	1	0.00	-1.64	0.00	16.91	88	39.59	102	94	52	3	0	0	0	
ND BISMARCK	79	50	89	41	64	-3	0.00	-0.44	0.00	11.36	161	18.54	148	91	48	0	0	0	0	
DICKINSON	80	48	97	43	64	-3	0.04	-0.31	0.04	7.21	108	11.94	98	87	23	1	0	1	0	
FARGO	79	56	91	46	68	1	0.30	-0.25	0.30	9.99	117	15.46	103	83	50	1	0	1	0	
GRAND FORKS	78	53	88	45	66	0	0.34	-0.23	0.32	12.13	143	19.02	135	90	50	0	0	2	0	
JAMESTOWN	76	52	84	45	64	-3	0.01	-0.45	0.01	12.92	155	18.83	135	92	53	0	0	1	0	
WILLISTON	83	51	99	44	67	0	0.01	-0.29	0.01	6.68	113	11.75	112	74	37	2	0	1	0	
OH AKRON-CANTON	85	63	91	56	74	5	0.75	-0.05	0.54	8.42	79	23.09	89	84	48	2	0	3	1	
CINCINNATI	86	65	92	56	75	1	0.02	-0.82	0.02	12.65	110	32.26	109	93	58	3	0	1	0	
CLEVELAND	85	65	93	58	75	6	0.95	0.07	0.42	7.43	71	23.36	93	84	45	2	0	4	0	
COLUMBUS	84	64	91	56	74	1	1.11	0.33	0.53	12.23	103	26.96	101	92	56	1	0	3	1	
DAYTON	84	64	90	56	74	3	0.45	-0.31	0.37	9.91	90	26.12	95	91	54	1	0	3	0	
MANSFIELD	83	62	90	54	73	5	0.35	-0.70	0.30	7.03	55	23.43	80	98	49	1	0	2	0	

Based on 1971-2000 normals

Weather Data for the Week Ending August 27, 2016

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP	
																		01 INCH OR MORE	50 INCH OR MORE		
OK TOLEDO	83	61	87	53	72	2	1.79	1.02	1.29	9.23	100	22.99	104	100	59	0	0	2	2		
OK YOUNGSTOWN	83	60	88	52	71	3	0.96	0.17	0.55	11.78	108	26.88	107	92	55	0	0	2	1		
OK OKLAHOMA CITY	91	68	96	57	79	-1	0.18	-0.41	0.08	7.22	75	19.63	83	89	42	4	0	3	0		
OR TULSA	92	70	98	59	81	0	0.04	-0.67	0.04	6.73	68	20.58	76	89	52	4	0	1	0		
OR ASTORIA	78	54	91	51	66	5	0.00	-0.34	0.00	3.54	77	40.77	108	90	70	2	0	0	0		
OR BURNS	85	38	94	35	62	-1	0.00	-0.08	0.00	0.54	39	4.39	64	51	20	1	0	0	0		
OR EUGENE	89	51	98	49	70	4	0.00	-0.28	0.00	1.03	36	20.96	72	74	46	3	0	0	0		
OR MEDFORD	96	57	99	51	77	5	0.00	-0.13	0.00	1.02	76	10.00	97	52	15	7	0	0	0		
OR PENDLETON	87	55	96	46	71	0	0.00	-0.13	0.00	1.80	113	7.38	94	45	24	3	0	0	0		
OR PORTLAND	87	58	97	53	73	5	0.00	-0.25	0.00	2.17	73	21.91	104	74	48	3	0	0	0		
OR SALEM	89	56	99	51	72	6	0.00	-0.19	0.00	1.69	68	21.98	98	69	45	3	0	0	0		
PA ALLENTOWN	86	60	91	52	73	3	0.73	-0.26	0.73	10.53	88	27.26	92	86	49	2	0	1	1		
PA ERIE	82	64	89	57	73	3	0.69	-0.37	0.41	12.00	109	25.77	100	82	55	0	0	2	0		
PA MIDDLETOWN	86	66	91	59	76	3	2.08	1.33	2.05	13.32	130	30.51	114	97	49	3	0	2	1		
PA PHILADELPHIA	88	69	93	62	78	3	0.60	-0.23	0.60	7.45	68	25.45	90	80	45	2	0	1	1		
PA PITTSBURGH	83	63	89	56	73	3	0.57	-0.19	0.37	9.44	86	23.06	89	88	47	0	0	2	0		
PA WILKES-BARRE	81	60	87	51	71	2	0.91	0.19	0.91	8.82	86	21.64	88	93	51	0	0	1	1		
PA WILLIAMSPORT	84	61	91	53	73	3	1.58	0.79	1.58	12.06	106	24.00	88	88	54	1	0	1	1		
RI PROVIDENCE	85	65	93	56	75	4	0.74	-0.18	0.74	7.31	74	25.45	85	84	45	1	0	1	1		
SC BEAUFORT	92	73	96	71	83	3	0.00	-1.76	0.00	7.92	44	26.31	76	92	50	6	0	0	0		
SC CHARLESTON	92	72	97	68	82	2	0.00	-1.62	0.00	10.78	60	31.54	89	88	48	7	0	0	0		
SC COLUMBIA	94	72	97	68	83	3	0.00	-1.19	0.00	8.66	57	22.58	65	83	44	7	0	0	0		
SC GREENVILLE	89	70	95	68	80	3	0.04	-0.81	0.04	10.59	87	28.12	82	91	51	4	0	1	0		
SD ABERDEEN	80	52	89	42	66	-3	0.01	-0.50	0.01	7.10	83	14.04	92	86	53	0	0	1	0		
SD HURON	81	53	91	45	67	-3	0.00	-0.43	0.00	6.07	77	14.88	93	89	46	1	0	0	0		
SD RAPID CITY	82	51	101	44	66	-4	0.97	0.65	0.77	5.75	92	10.39	80	79	35	1	0	2	1		
SD SIOUX FALLS	78	58	88	49	68	-1	0.64	-0.05	0.64	6.36	71	17.85	100	92	62	0	0	1	1		
TN BRISTOL	87	63	95	58	75	3	1.36	0.74	1.36	8.02	75	24.93	86	98	50	3	0	1	1		
TN CHATTANOOGA	92	70	97	65	81	3	0.86	0.06	0.86	5.63	48	22.87	62	87	50	5	0	2	1		
TN KNOXVILLE	90	69	97	61	79	3	0.20	-0.36	0.10	11.35	101	30.62	91	91	49	3	0	2	0		
TN MEMPHIS	92	74	97	70	83	3	2.79	2.14	1.38	14.71	133	49.80	138	86	56	4	0	3	2		
TN NASHVILLE	90	68	96	62	79	2	2.37	1.63	1.60	17.16	162	31.60	98	93	50	4	0	3	2		
TX ABILENE	91	70	93	67	80	-2	1.29	0.64	0.97	8.34	121	26.14	175	88	54	5	0	3	1		
TX AMARILLO	86	62	94	57	74	-1	0.28	-0.37	0.20	8.04	94	13.93	95	90	42	1	0	2	0		
TX AUSTIN	91	73	94	71	82	-2	0.21	-0.31	0.11	16.39	213	44.68	210	94	64	6	0	3	0		
TX BEAUMONT	91	75	95	74	83	1	1.26	0.09	0.51	22.43	142	51.93	136	98	62	4	0	4	1		
TX BROWNSVILLE	96	76	96	74	86	2	0.00	-0.84	0.00	3.46	50	13.45	91	95	51	7	0	0	0		
TX CORPUS CHRISTI	95	77	97	75	86	2	0.67	-0.26	0.67	5.57	67	23.79	125	96	52	7	0	1	1		
TX DEL RIO	91	74	93	72	83	-2	0.11	-0.23	0.11	11.83	209	20.44	168	93	63	5	0	1	0		
TX EL PASO	89	66	91	63	78	-2	2.27	1.88	1.53	4.89	128	5.53	100	76	35	4	0	3	1		
TX FORT WORTH	92	75	95	73	84	0	0.08	-0.32	0.08	11.83	166	28.59	125	86	48	7	0	1	0		
TX GALVESTON	89	79	91	76	84	0	1.45	0.35	0.81	17.22	159	37.76	142	92	68	4	0	5	2		
TX HOUSTON	91	75	95	73	83	0	1.49	0.55	0.74	24.49	210	53.44	176	96	71	4	0	3	1		
TX LUBBOCK	87	63	94	58	75	-2	0.54	-0.03	0.24	2.96	42	8.23	65	90	56	2	0	4	0		
TX MIDLAND	88	70	92	67	79	-1	0.29	-0.10	0.26	6.32	125	10.06	110	83	52	3	0	3	0		
TX SAN ANGELO	93	71	96	68	82	2	0.00	-0.53	0.00	9.83	188	25.46	197	88	51	6	0	0	0		
TX SAN ANTONIO	90	75	92	72	82	-2	1.11	0.49	0.64	7.56	89	29.38	139	91	56	6	0	2	1		
TX VICTORIA	91	73	94	70	82	-2	0.63	-0.15	0.62	7.13	69	27.35	109	97	67	6	0	2	1		
TX WACO	91	73	95	72	82	-2	1.42	1.03	1.32	9.31	136	31.96	151	97	65	6	0	2	1		
TX WICHITA FALLS	95	69	98	61	82	0	0.03	-0.58	0.03	5.88	82	22.37	120	86	49	6	0	1	0		
UT SALT LAKE CITY	89	64	95	55	76	2	0.00	-0.17	0.00	0.59	29	8.24	76	36	12	3	0	0	0		
VT BURLINGTON	82	63	87	52	73	6	0.36	-0.55	0.28	8.19	76	19.04	82	82	45	0	0	2	0		
VA LYNCHBURG	88	64	94	58	76	3	0.00	-0.72	0.00	13.46	121	33.11	114	96	53	3	0	0	0		
VA NORFOLK	86	71	93	66	79	2	0.54	-0.47	0.54	20.14	153	42.37	134	89	54	2	0	1	1		
VA RICHMOND	91	67	99	61	79	3	0.00	-0.88	0.00	12.80	108	33.43	113	86	44	4	0	0	0		
VA ROANOKE	87	66	94	59	76	2	0.18	-0.65	0.18	15.23	140	32.96	114	89	59	3	0	1	0		
WA WASH/DULLES	89	66	95	61	78	4	0.07	-0.80	0.07	10.31	95	27.97	101	82	47	4	0	1	0		
WA OLYMPIA	81	51	93	46	66	3	0.00	-0.31	0.00	2.07	61	27.45	97	87	58	2	0	0	0		
WA QUILLAYUTE	76	51	92	43	63	4	0.05	-0.58	0.03	6.01	75	57.84	100	97	68	2	0	2	0		
WA SEATTLE-TACOMA	82	58	92	54	70	5	0.00	-0.27	0.00	2.65	87	23.72	116	76	50	2	0	0	0		
WA SPOKANE	83	57	90	50	70	3	0.00	-0.15	0.00	0.94	38	8.80	86	46	20	1	0	0	0		
WA YAKIMA	90	52	97	46	71	4	0.00	-0.08	0.00	0.44	41	5.89	123	60	30	4	0	0	0		
WV BECKLEY	81	61	88	53	71	3	0.68	-0.01	0.68	17.88	152	36.91	126	90	66	0	0	1	1		
WV CHARLESTON	87	65	96	56	76	4	0.37	-0.50	0.37	12.59	100	32.49	107	96	50	3	0	1	0		
WV ELKINS	83	59	91	52	71	3	0.69	-0.25	0.29	12.56	96	30.98	97	93	49	1	0	3	0		
WV HUNTINGTON	87	65	95	56	76	3	0.09	-0.70	0.09	16.38	139	36.09	122	94	51	3	0	1	0		
WI EAU CLAIRE	77	57	84	51	67	-1	0.26	-0.84	0.22	14.58	120	27.00	120	98	53	0	0	3	0		
WI GREEN BAY	75	58	81	50	66	0	1.26	0.38	1.10	10.44	104	21.62	110	100	67	0	0	2	1		
WI LA CROSSE	80	62	85	56	71	1	0.04	-0.92	0.04	17.32	145	29.92	131	97	59	0	0	1	0		
WI MADISON	78	59	84	51	69	1	1.46	0.47	0.95	18.32	157	32.24	140	92	62	0	0	2	2		
WI MILWAUKEE	81	64	87	56	73	4	0.62	-0.32	0.33	6.75	64	18.56	79	83	57	0	0	3	0		
WY CASPER	80	44	92	38	62	-5	0.78	0.67	0.69	3.10	93	12.56	134	67	33	1	0	3	1		
WY CHEYENNE	78	51	89	44	64	0	0.21	-0.16	0.18	4.64	78	14.50	122	70	30	0	0	2	0		
WY LANDER	80	47	90	42	64	-4	0.01	-0.10	0.01	1.39	57	17.54	191	64	21	2	0	1	0		
WY SHERIDAN	80	46	95	43	63	-4	0.00	-0.18	0.00	2.36	63	11.71	114	70	29	2	0	0	0		

Based on 1971-2000 normals

*** Not Available

National Agricultural Summary

August 22 - 28, 2016

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Most of the Nation recorded weekly precipitation below normal last week with the most notable exceptions occurring in the Mississippi Valley. Showers brought significant rain during the week to northwest Missouri and northeast Iowa where rainfall totals of four to six inches were common. Temperatures were generally above normal for the week in the eastern United States and Pacific

Northwest with small pockets recording average weekly temperatures more than 4°F above normal in California, Maine, Ohio, and Oregon. Temperatures were cooler than normal from the Rocky Mountains through the Great Plains with average weekly temperatures more than 6°F below normal reported in areas of Arizona and New Mexico.

Corn: By August 28, ninety-two percent of the Nation's corn crop had reached the dough stage, 2 percentage points ahead of last year and 5 percentage points ahead of the 5-year average. By week's end, 60 percent of this year's corn crop was at or beyond the dent stage, 6 percentage points ahead of last year and 8 percentage points ahead of the 5-year average. The percentage of the crop entering the dent stage advanced by 20 percentage points or more during the week in 8 of the 18 estimating States. Nine percent of the Nation's crop was mature by August 28, slightly ahead of last year but 2 percentage points behind the 5-year average. Overall, 75 percent of the corn crop was reported in good to excellent condition, unchanged from last week but 7 percentage points above the same time last year. Corn conditions are the highest they have been this late in the season since 2004.

Soybeans: Ninety-four percent of the Nation's soybeans were at or beyond the pod setting stage by week's end, 3 percentage points ahead of last year and 2 percentage points ahead of the 5-year average. Leaf drop advanced to 5 percent complete Nationally by August 28, three percentage points behind last year but equal to the 5-year average. Progress was most advanced in the Mississippi Delta with 38 percent of the crop dropping leaves in Louisiana and 21 percent dropping leaves in Mississippi, both 3 percentage points behind the State 5-year average. Overall, 73 percent of the soybean crop was reported in good to excellent condition, up slightly from last week and 10 percentage points above the same time last year.

Cotton: Ninety-five percent of the Nation's cotton crop was at or beyond the boll setting stage by August 28, 4 percentage points ahead of last year and slightly ahead of the 5-year average. By August 28, open bolls were evident in 23 percent of the Nation's cotton fields, 3 percentage points ahead of last year but equal to the 5-year average. In Texas, the cotton harvest was slowed in the Upper Coast due to wet conditions. Overall, 48 percent of the cotton crop was reported in good to excellent condition, up slightly from last week but 6 percentage points lower than at the same time last year. In the High Plains of Texas, dry land cotton conditions were aided by rainfall and cooler temperatures.

Sorghum: By week's end, 95 percent of the sorghum crop was at or beyond the heading stage, slightly ahead of last year and 7 percentage points ahead of the 5-year average.

Nationally, 62 percent of this year's sorghum crop was at or beyond the coloring stage by August 28, seven percentage points ahead of last year and 11 percentage points ahead of the 5-year average. Thirty-three percent of the crop was mature by week's end, 5 percentage points ahead of last year and 3 percentage points ahead of the 5-year average. Harvest advanced slowly, with activity limited to portions of the southern Great Plains and the Mississippi Delta. By August 28, producers had harvested 18 percent of the Nation's crop, slightly behind last year and 5 percentage points behind the 5-year average. Overall, 65 percent of the sorghum crop was reported in good to excellent condition, unchanged from last week but 3 percentage points lower than at the same time last year.

Rice: By August 28, twenty-two percent of the Nation's crop was harvested, 2 percentage points behind last year but slightly ahead of the 5-year average. Harvest progress advanced 12 percentage points for the week in Texas and 10 percentage points in Louisiana. Overall, 60 percent of the rice crop was reported in good to excellent condition, down slightly from last week and 6 percentage points below the same time last year.

Small Grains: Ninety-five percent of the Nation's oat crop was harvested by August 28, slightly ahead of last year and 6 percentage points ahead of the 5-year average. Harvest progress advanced 11 percentage points in North Dakota during the week, now estimated at 91 percent complete.

By August 28, barley producers had harvested 86 percent of this year's crop, 5 percentage points behind last year but 19 percentage points ahead of the 5-year average. Harvest progress was 90 percent or more complete in Minnesota and North Dakota.

By week's end, 81 percent of the spring wheat crop was harvested, 3 percentage points behind last year but 19 percentage points ahead of the 5-year average. Harvest progress was 24 percentage points ahead of the 5-year average in North Dakota and 15 percentage points ahead in Montana.

Other Crops: Overall, 66 percent of the peanut crop was reported in good to excellent condition, down slightly from last week and 8 percentage points lower than at the same time last year. The peanut harvest started in Florida, estimated at 4 percent complete by August 28.

Crop Progress and Condition

Week Ending August 28, 2016

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

Corn Percent Dough				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
CO	79	56	80	77
IL	94	89	95	95
IN	86	84	95	88
IA	93	90	94	86
KS	92	87	92	93
KY	83	80	88	83
MI	83	67	78	77
MN	94	90	95	82
MO	93	93	97	94
NE	89	87	95	92
NC	98	98	100	98
ND	88	71	84	77
OH	84	77	86	83
PA	86	65	78	75
SD	87	83	91	88
TN	98	97	99	98
TX	89	96	100	91
WI	81	72	85	71
18 Sts	90	85	92	87
These 18 States planted 93% of last year's corn acreage.				

Corn Percent Dented				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
CO	52	20	45	32
IL	68	47	68	66
IN	46	44	62	49
IA	50	45	65	54
KS	63	51	64	64
KY	65	63	74	67
MI	26	15	33	27
MN	56	31	58	42
MO	71	63	79	76
NE	53	42	61	56
NC	92	92	95	93
ND	41	19	41	28
OH	46	26	44	39
PA	51	25	47	42
SD	43	23	45	39
TN	82	81	90	86
TX	68	70	74	77
WI	34	25	50	27
18 Sts	54	40	60	52
These 18 States planted 93% of last year's corn acreage.				

Corn Percent Mature				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
CO	1	NA	0	1
IL	16	1	7	16
IN	2	2	8	7
IA	2	NA	4	8
KS	14	7	15	23
KY	25	18	33	31
MI	0	NA	0	2
MN	1	NA	0	1
MO	16	6	21	29
NE	1	NA	5	7
NC	75	68	81	77
ND	0	NA	1	2
OH	1	NA	4	2
PA	4	NA	2	6
SD	2	NA	5	3
TN	20	16	43	34
TX	56	57	65	64
WI	1	NA	3	1
18 Sts	8	NA	9	11
These 18 States planted 93% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	1	2	18	65	14
IL	1	2	12	58	27
IN	3	6	19	52	20
IA	1	3	13	57	26
KS	1	6	25	56	12
KY	2	5	18	57	18
MI	3	11	28	46	12
MN	1	3	11	59	26
MO	2	5	17	55	21
NE	1	5	19	59	16
NC	2	7	25	50	16
ND	1	4	17	62	16
OH	6	14	35	39	6
PA	4	14	30	39	13
SD	5	13	30	44	8
TN	2	7	24	43	24
TX	2	11	31	45	11
WI	1	2	10	43	44
18 Sts	2	5	18	54	21
Prev Wk	2	5	18	54	21
Prev Yr	3	7	22	49	19

Oats Percent Harvested				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
IA	100	97	97	99
MN	96	85	93	90
NE	98	95	98	99
ND	87	80	91	63
OH	99	98	100	99
PA	88	81	85	92
SD	98	96	99	97
TX	100	100	100	100
WI	91	88	94	87
9 Sts	94	89	95	89
These 9 States harvested 70% of last year's oat acreage.				

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	0	51	43	6
FL	0	4	17	69	10
GA	3	9	25	46	17
NC	0	4	14	68	14
OK	0	0	11	86	3
SC	0	4	24	60	12
TX	1	7	35	41	16
VA	0	1	3	95	1
8 Sts	1	6	27	52	14
Prev Wk	1	5	27	53	14
Prev Yr	1	3	22	57	17

Crop Progress and Condition

Week Ending August 28, 2016

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

Soybeans Percent Setting Pods				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AR	95	97	98	95
IL	92	89	94	94
IN	93	89	94	93
IA	94	92	96	94
KS	78	71	82	79
KY	81	73	84	80
LA	98	98	99	99
MI	96	87	92	96
MN	99	95	97	95
MS	94	92	94	97
MO	62	71	84	78
NE	95	92	96	96
NC	77	75	84	75
ND	99	94	98	98
OH	94	92	95	94
SD	94	94	96	95
TN	88	87	91	90
WI	94	94	98	92
18 Sts	91	89	94	92
These 18 States planted 95% of last year's soybean acreage.				

Soybeans Percent Dropping Leaves				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AR	17	4	15	14
IL	1	NA	0	1
IN	2	1	5	5
IA	1	NA	0	1
KS	5	1	2	4
KY	1	NA	2	5
LA	55	24	38	41
MI	0	NA	0	1
MN	2	NA	0	2
MS	40	10	21	24
MO	1	NA	0	1
NE	9	2	8	4
NC	6	NA	5	2
ND	28	6	13	12
OH	2	NA	4	5
SD	15	7	14	12
TN	3	NA	3	5
WI	1	NA	2	0
18 Sts	8	NA	5	5
These 18 States planted 95% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	8	9	25	44	14
IL	2	4	16	56	22
IN	2	5	18	55	20
IA	1	3	14	58	24
KS	1	4	27	55	13
KY	2	5	20	57	16
LA	4	10	28	52	6
MI	2	8	26	52	12
MN	1	3	16	57	23
MS	1	6	21	45	27
MO	2	4	21	55	18
NE	1	3	19	61	16
NC	1	7	28	50	14
ND	2	5	19	60	14
OH	3	10	33	45	9
SD	3	10	28	50	9
TN	0	4	17	49	30
WI	1	2	11	48	38
18 Sts	2	5	20	55	18
Prev Wk	2	5	21	54	18
Prev Yr	3	8	26	48	15

Cotton Percent Setting Bolls				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AL	97	97	98	94
AZ	98	95	98	99
AR	100	100	100	100
CA	98	90	100	97
GA	98	96	98	97
KS	74	50	65	77
LA	100	99	100	100
MS	95	90	93	98
MO	83	78	83	95
NC	97	93	97	98
OK	91	72	81	86
SC	99	92	97	92
TN	90	97	100	95
TX	86	92	95	92
VA	96	92	95	98
15 Sts	91	92	95	94
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Bolls Opening				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AL	29	16	29	17
AZ	49	45	50	54
AR	19	16	23	24
CA	11	0	4	16
GA	26	18	30	24
KS	8	2	7	10
LA	49	44	63	56
MS	40	18	30	31
MO	10	1	3	14
NC	24	11	20	15
OK	9	4	9	14
SC	25	2	13	17
TN	12	9	17	19
TX	16	17	22	22
VA	20	5	10	15
15 Sts	20	16	23	23
These 15 States planted 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	2	5	40	44	9
AZ	4	0	4	52	40
AR	6	6	17	41	30
CA	0	0	30	30	40
GA	3	10	30	46	11
KS	1	2	29	64	4
LA	1	7	35	49	8
MS	1	6	33	44	16
MO	4	9	47	35	5
NC	3	8	26	56	7
OK	0	0	48	47	5
SC	0	1	49	45	5
TN	1	2	17	58	22
TX	5	16	39	33	7
VA	0	4	8	87	1
15 Sts	4	12	36	39	9
Prev Wk	4	14	35	39	8
Prev Yr	3	8	35	45	9

Crop Progress and Condition

Week Ending August 28, 2016

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

Sorghum Percent Headed				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AR	100	100	100	100
CO	89	89	92	82
IL	91	82	85	92
KS	94	90	96	85
LA	100	100	100	100
MO	94	87	93	93
NE	99	95	99	95
NM	73	56	75	55
OK	91	85	90	81
SD	95	96	96	97
TX	95	88	94	93
11 Sts	94	89	95	88
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Coloring				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AR	96	92	99	95
CO	36	27	39	36
IL	68	63	73	63
KS	42	32	50	30
LA	100	100	100	100
MO	60	44	57	52
NE	39	44	74	36
NM	11	24	29	9
OK	49	45	51	49
SD	42	43	53	47
TX	74	76	78	78
11 Sts	55	52	62	51
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Mature				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AR	73	76	90	62
CO	2	0	1	4
IL	4	3	20	4
KS	2	1	3	2
LA	94	93	97	95
MO	11	3	7	11
NE	0	0	2	0
NM	0	0	2	0
OK	15	11	17	15
SD	2	3	8	2
TX	64	68	74	71
11 Sts	28	29	33	30
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AR	31	4	18	27
CO	0	NA	0	0
IL	0	NA	0	0
KS	0	NA	0	0
LA	76	70	80	77
MO	1	NA	0	0
NE	0	NA	0	0
NM	0	NA	0	0
OK	1	NA	1	3
SD	0	NA	0	0
TX	48	46	47	58
11 Sts	19	NA	18	23
These 11 States harvested 98% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
AR	4	15	34	39	8
CO	0	5	28	60	7
IL	2	5	23	63	7
KS	1	3	22	59	15
LA	0	15	30	43	12
MO	0	2	28	60	10
NE	0	0	17	64	19
NM	0	3	77	19	1
OK	0	1	31	65	3
SD	0	3	43	53	1
TX	2	7	34	41	16
11 Sts	1	5	29	52	13
Prev Wk	1	6	28	52	13
Prev Yr	2	5	25	56	12

Rice Percent Harvested				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
AR	13	4	12	10
CA	0	0	0	0
LA	81	60	70	71
MS	19	2	10	16
MO	0	0	2	2
TX	69	70	82	72
6 Sts	24	15	22	21
These 6 States harvested 100% of last year's rice acreage.				

Spring Wheat Percent Harvested				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
ID	90	60	75	65
MN	94	77	88	74
MT	80	53	73	55
ND	81	64	82	55
SD	92	89	91	87
WA	100	66	78	73
6 Sts	84	65	81	62
These 6 States harvested 99% of last year's spring wheat acreage.				

Barley Percent Harvested				
	Prev Year	Prev Week	Aug 28 2016	5-Yr Avg
ID	87	64	85	68
MN	95	85	96	81
MT	90	66	82	67
ND	93	77	90	66
WA	99	65	79	73
5 Sts	91	70	86	67
These 5 States harvested 86% of last year's barley acreage.				

Rice Condition by Percent					
	VP	P	F	G	EX
AR	7	12	31	36	14
CA	0	0	15	75	10
LA	6	11	30	50	3
MS	0	2	21	49	28
MO	1	3	24	51	21
TX	3	4	25	55	13
6 Sts	5	8	27	47	13
Prev Wk	4	9	26	48	13
Prev Yr	2	4	28	48	18

Crop Progress and Condition

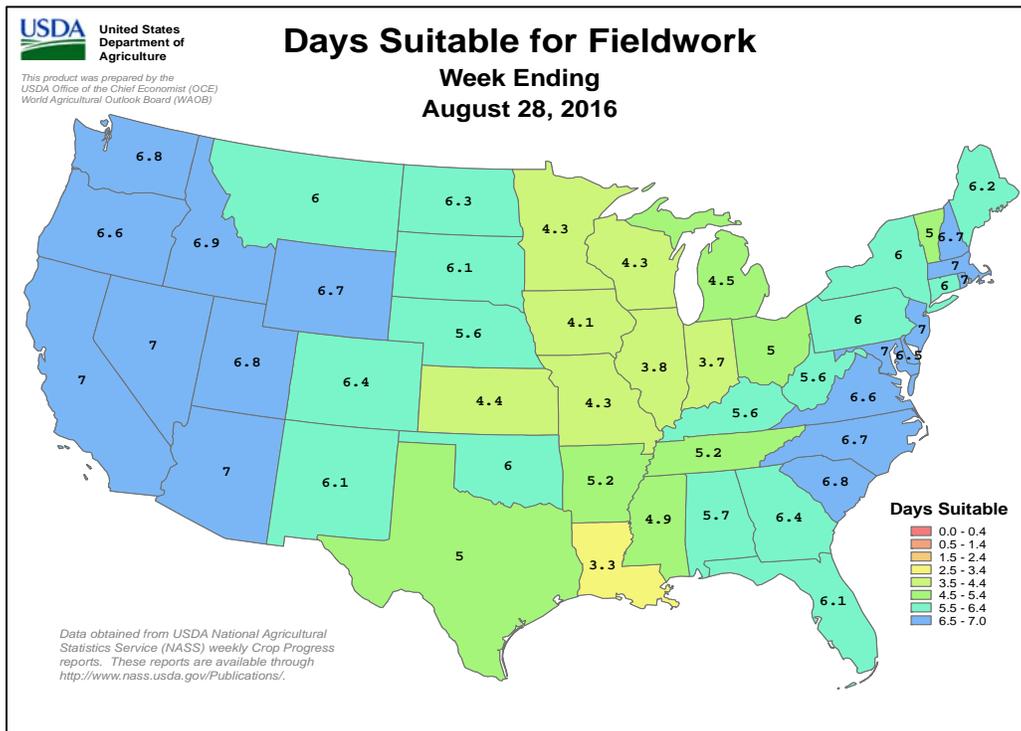
Week Ending August 28, 2016

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

Pasture and Range Condition by Percent Week Ending Aug 28, 2016											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	8	12	29	46	5	NH	21	37	36	6	0
AZ	11	15	35	31	8	NJ	0	1	51	43	5
AR	2	7	30	47	14	NM	3	23	46	25	3
CA	20	20	25	30	5	NY	6	13	39	36	6
CO	3	6	25	58	8	NC	3	12	38	42	5
CT	5	64	31	0	0	ND	6	11	28	51	4
DE	7	17	34	37	5	OH	9	18	31	34	8
FL	2	3	24	56	15	OK	2	9	41	42	6
GA	9	24	39	25	3	OR	26	26	28	17	3
ID	8	25	33	30	4	PA	15	23	36	22	4
IL	1	2	16	56	25	RI	19	52	29	0	0
IN	2	6	24	57	11	SC	8	24	26	39	3
IA	2	7	27	52	12	SD	8	19	36	36	1
KS	1	4	24	61	10	TN	4	12	36	40	8
KY	1	6	20	62	11	TX	4	10	33	41	12
LA	2	13	34	45	6	UT	2	10	41	41	6
ME	34	16	27	14	9	VT	0	29	59	12	0
MD	1	10	35	47	7	VA	2	11	35	47	5
MA	40	48	12	0	0	WA	10	16	27	43	4
MI	8	17	30	37	8	WV	1	11	35	49	4
MN	1	6	17	58	18	WI	0	3	16	55	26
MS	1	6	30	53	10	WY	10	18	32	35	5
MO	0	3	30	57	10	48 Sts	5	11	31	45	8
MT	14	21	34	26	5						
NE	3	9	23	55	10	Prev Wk	6	12	31	43	8
NV	20	20	35	25	0	Prev Yr	5	13	32	42	8

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

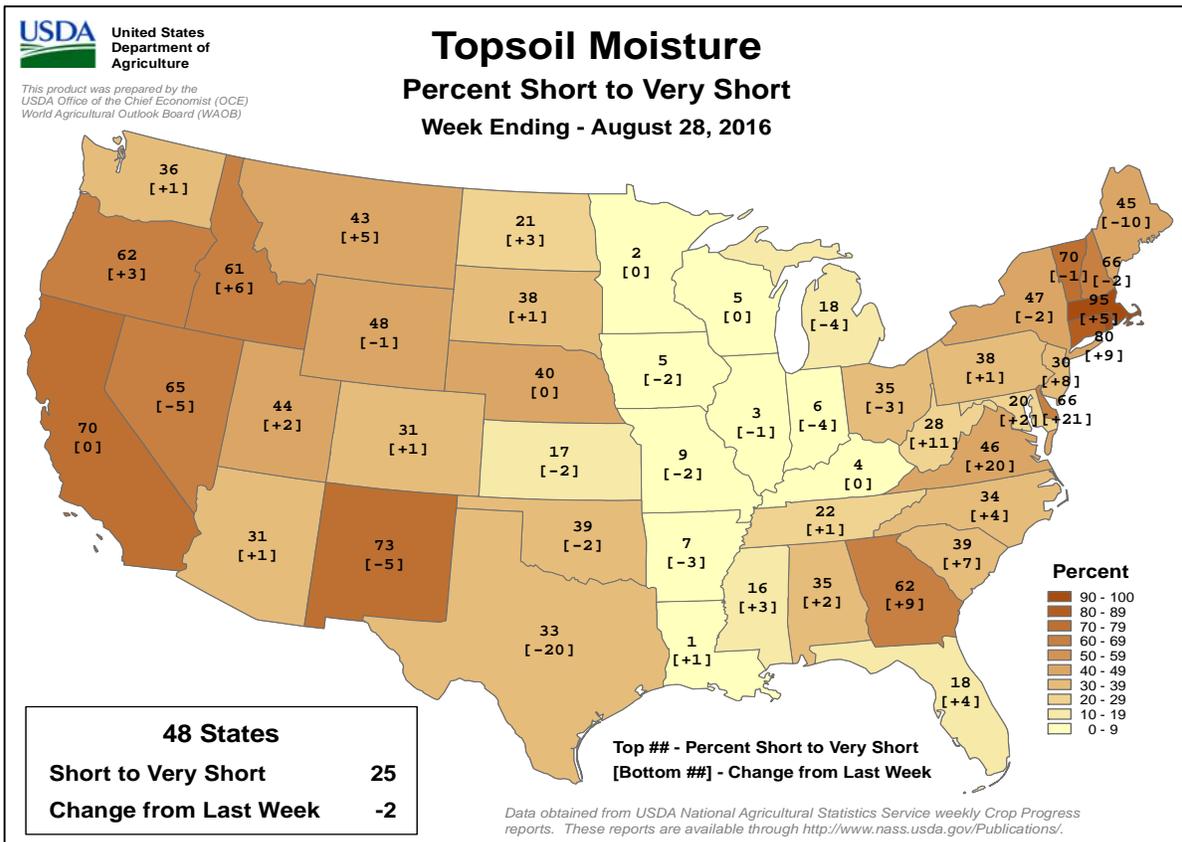
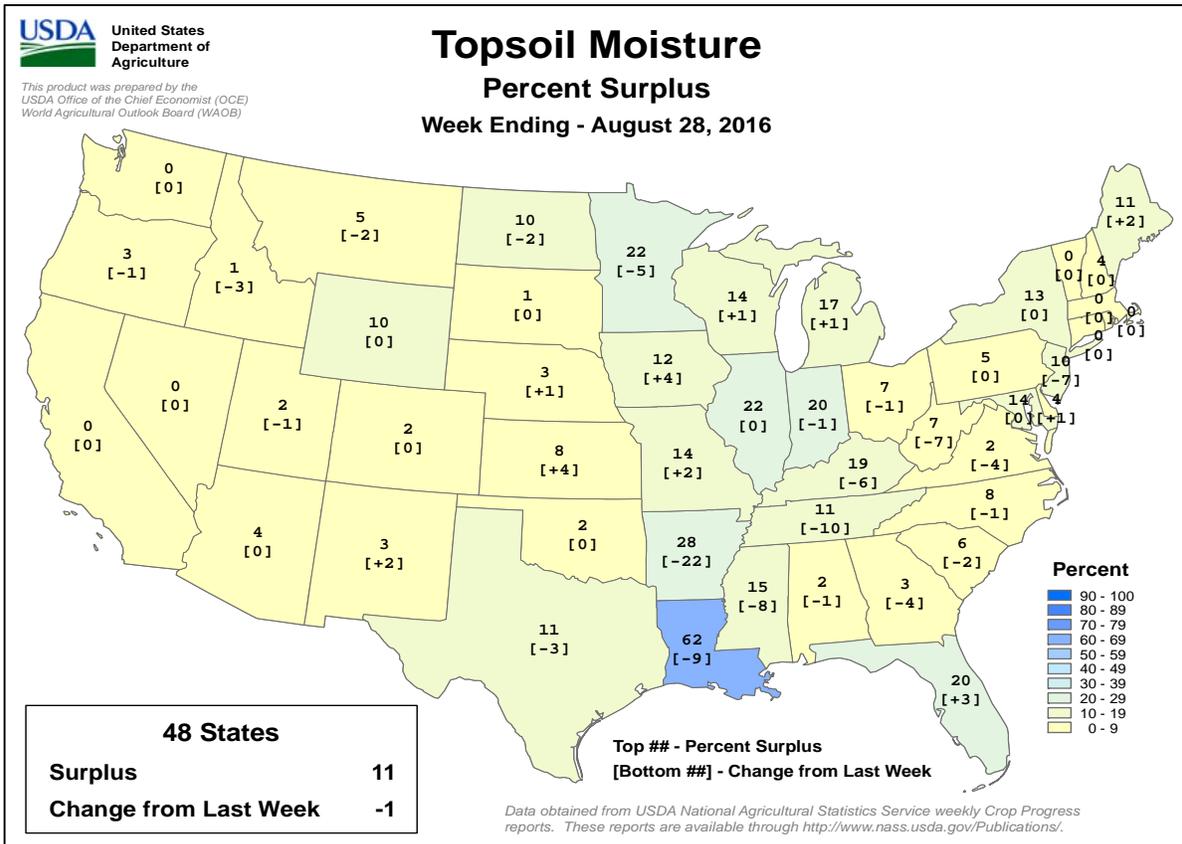
NA - Not Available
* Revised



Crop Progress and Condition

Week Ending August 28, 2016

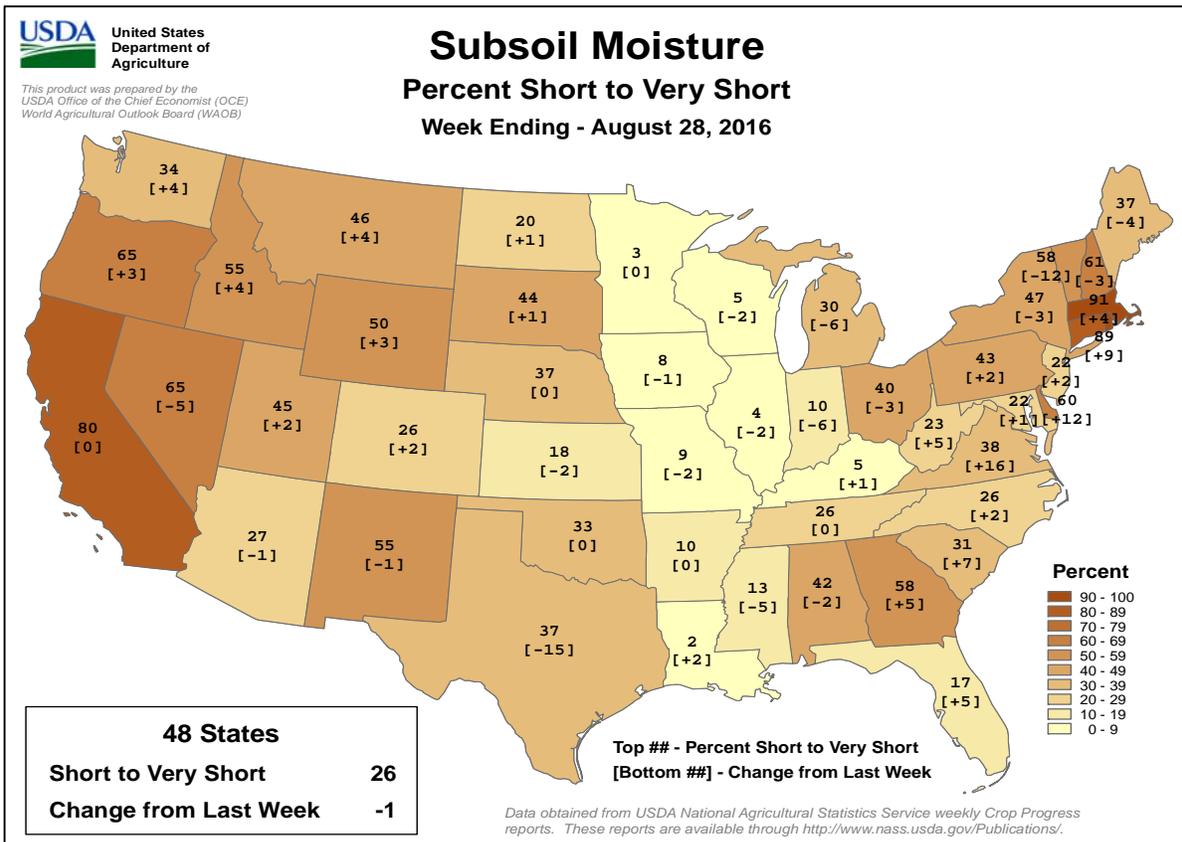
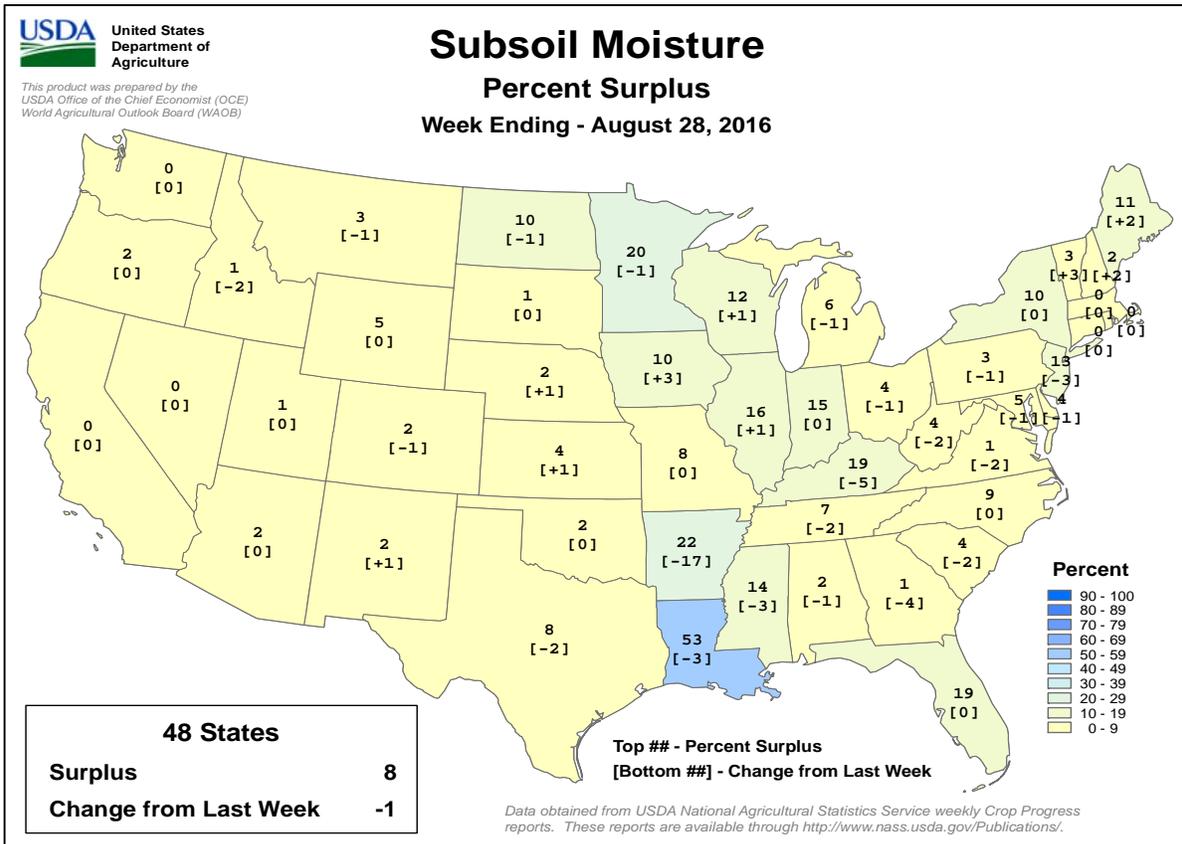
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending August 28, 2016

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



International Weather and Crop Summary

August 21-27, 2016

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

HIGHLIGHTS

EUROPE: Following early-week showers in the east, dry weather for much of the period favored summer crop maturation and harvesting.

WESTERN FSU: Despite some showers, generally sunny, hot weather accelerated summer crop drydown and harvesting.

EASTERN FSU: Increasingly hot, dry conditions lowered spring wheat yield prospects in the west but favored wheat maturation and early harvesting in the east.

MIDDLE EAST: Sunny, hot weather favored summer crop drydown and harvesting in Turkey.

SOUTH ASIA: More heavy rainfall across central India benefited rice and cotton but maintained unfavorably wet conditions for soybeans.

EAST ASIA: Hot weather and scattered showers prevailed in China as most crops entered the final stages of development.

SOUTHEAST ASIA: Showers maintained favorable moisture conditions for rice across the region.

AUSTRALIA: Sunny skies and adequate moisture supplies favored winter crop development in the southeast.

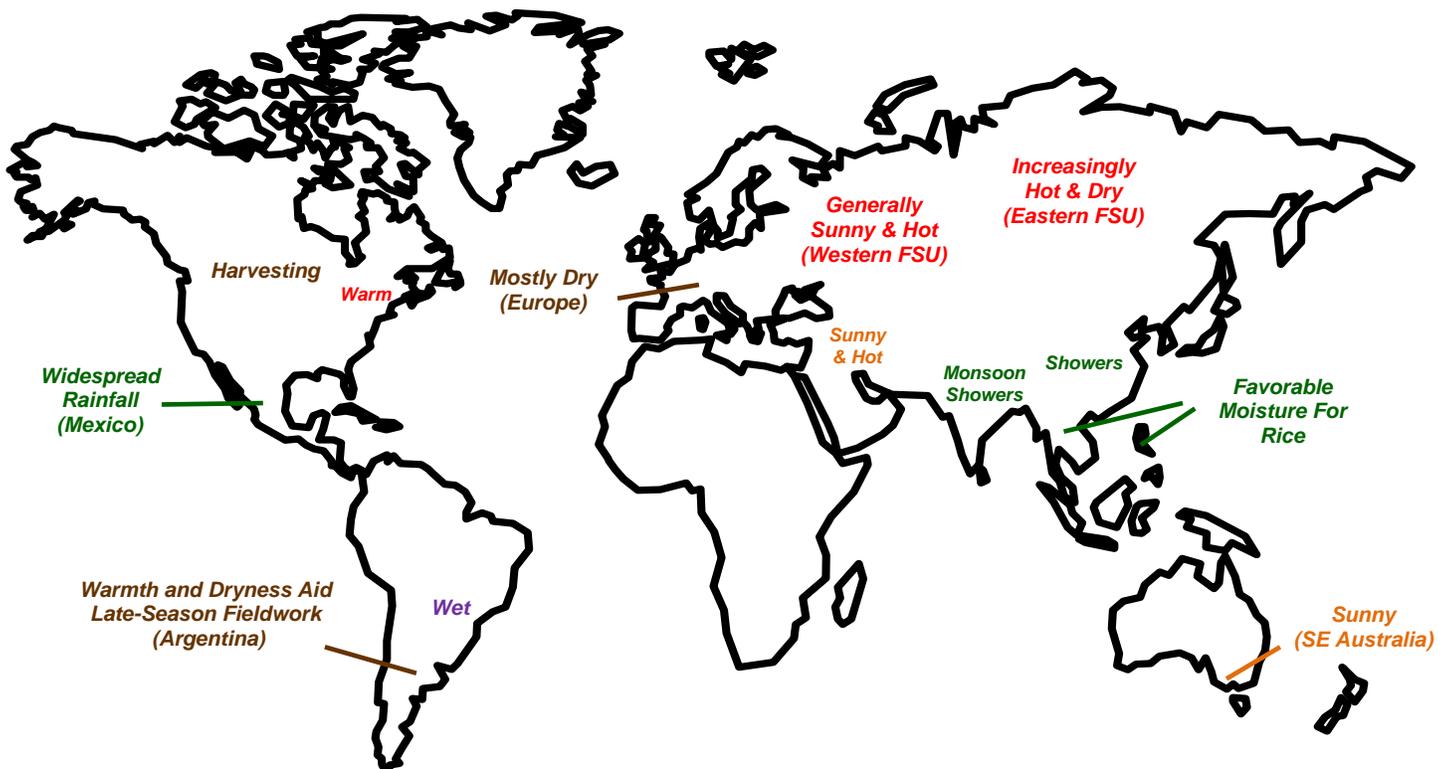
ARGENTINA: Warmer- and drier-than-normal weather aided late-season fieldwork.

BRAZIL: Rain kept immature wheat unfavorably wet in parts of southern Brazil.

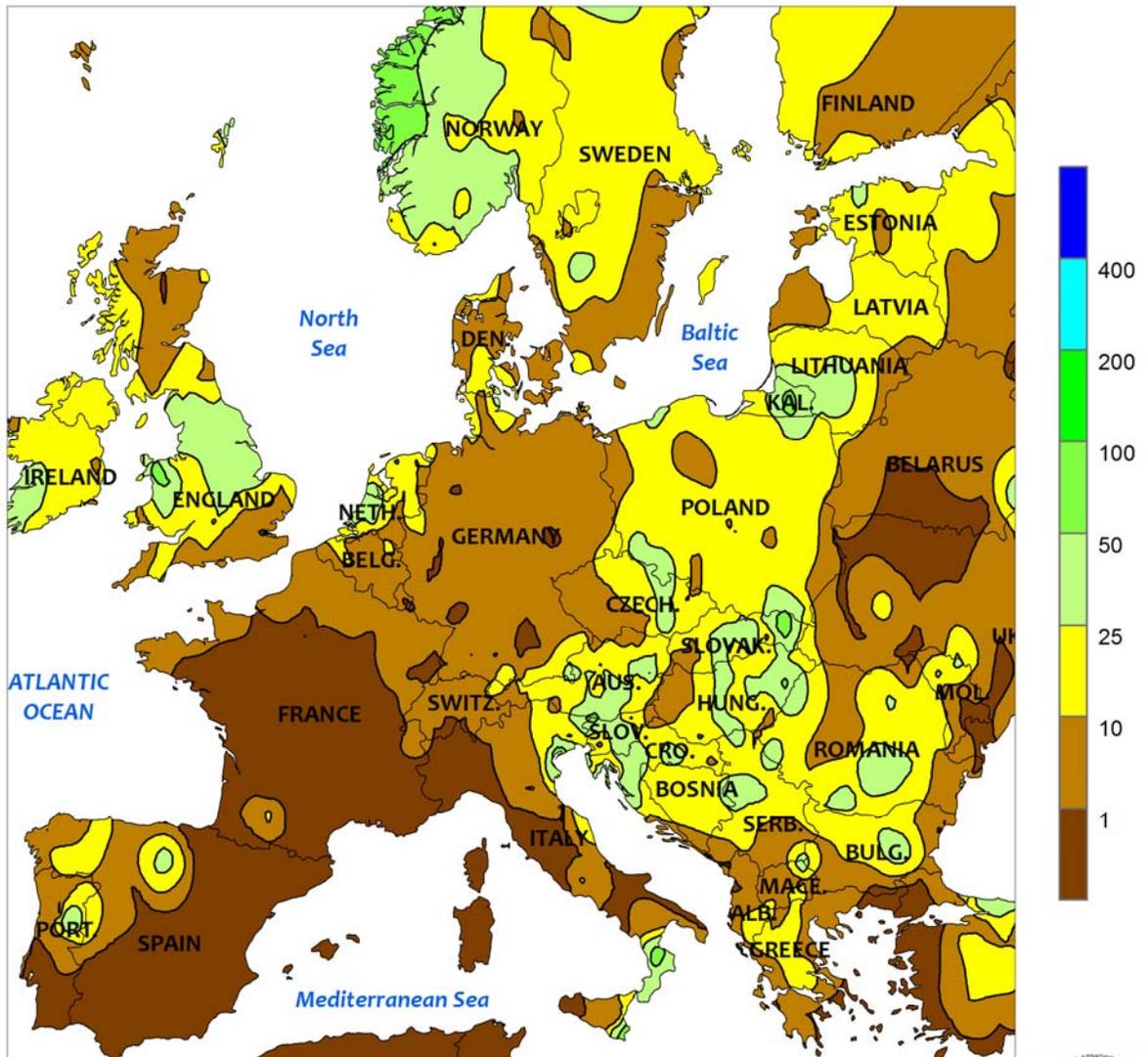
MEXICO: Seasonal showers benefited rain-fed summer crops, while boosting northwestern reservoir levels.

CANADIAN PRAIRIES: Conditions were generally favorable for spring crop harvesting in southern production areas, but heavy rain returned farther north.

SOUTHEASTERN CANADA: Unseasonable warmth accompanied scattered, locally heavy showers.



EUROPE
Total Precipitation (mm)
AUG 21 - 27, 2016



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

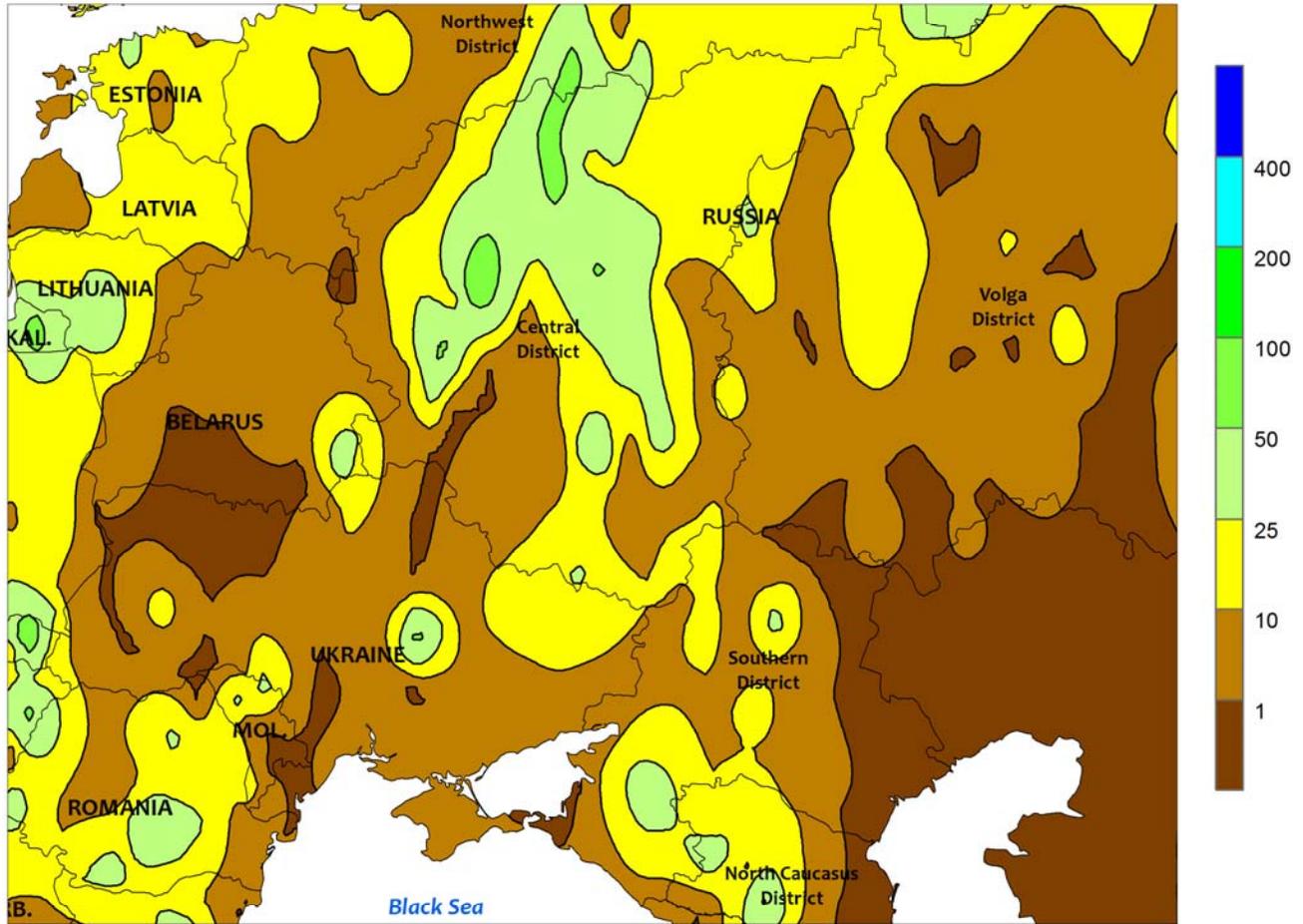


EUROPE

Despite early-week showers in the east, generally dry weather for much of the week accelerated summer crop drydown and harvesting. Sunny skies across central and western Europe favored drydown and harvesting of corn and sunflowers. Likewise, winter rapeseed planting gained momentum in France and Germany. However, late-week showers (2-20 mm, locally more) in Spain slowed fieldwork but provided topsoil moisture in advance of upcoming winter grain planting. In the north, despite unsettled weather over much of the United Kingdom (1-50 mm), drier conditions (less than 10 mm) in southeastern England

allowed spring grain maturation and seasonal fieldwork to proceed without significant delay. Meanwhile, widespread showers (10-60 mm, locally more) early in the period over eastern Europe slowed summer crop maturation and harvesting but boosted soil moisture for winter crop planting and establishment. Sunny skies followed, allowing crop maturation and harvesting to resume. Overall, conditions for corn, sunflowers, and soybeans are improved over last year's heat and drought impacted crops, although localized dryness has adversely impacted summer crops in the lower Danube River Valley.

WESTERN FSU
Total Precipitation (mm)
AUG 21 - 27, 2016



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

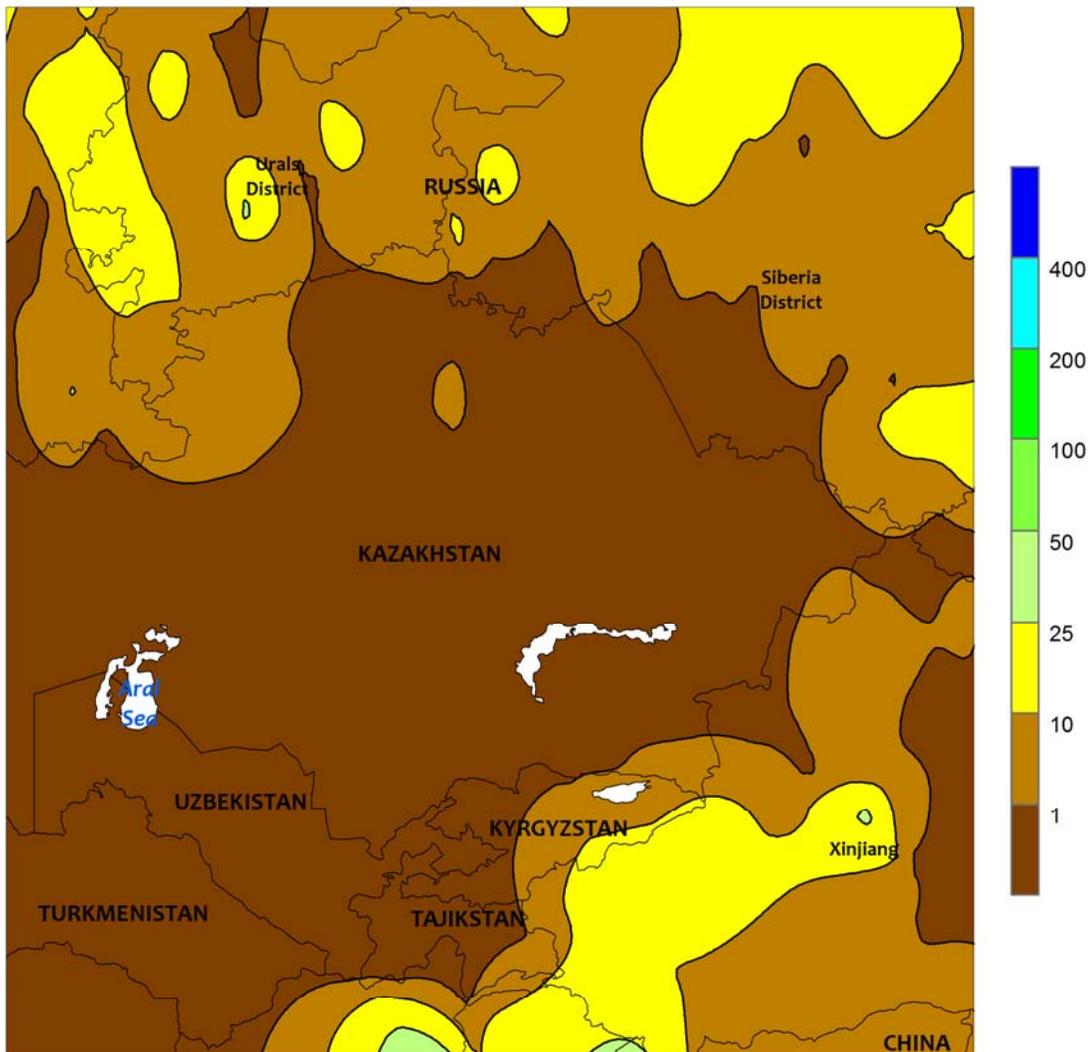


WESTERN FSU

Despite scattered showers, mostly sunny, hot conditions accelerated summer crop maturation and harvesting. Showers and thunderstorms (2-60 mm) dotted the region, though rainfall was not widespread or heavy enough to cause significant fieldwork delays. Temperatures for the week averaged 3 to 8°C above normal, which coupled with generally sunny skies

promoted drydown and early harvesting of corn and sunflowers in Moldova, Ukraine, and Russia. Winter wheat sowing was able to proceed as well in these same areas. Spring wheat harvesting in the eastern Volga District also gained momentum, though crop yield prospects in this part of Russia have been lowered by protracted heat and dryness during grain fill.

EASTERN FSU
 Total Precipitation (mm)
 AUG 21 - 27, 2016



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

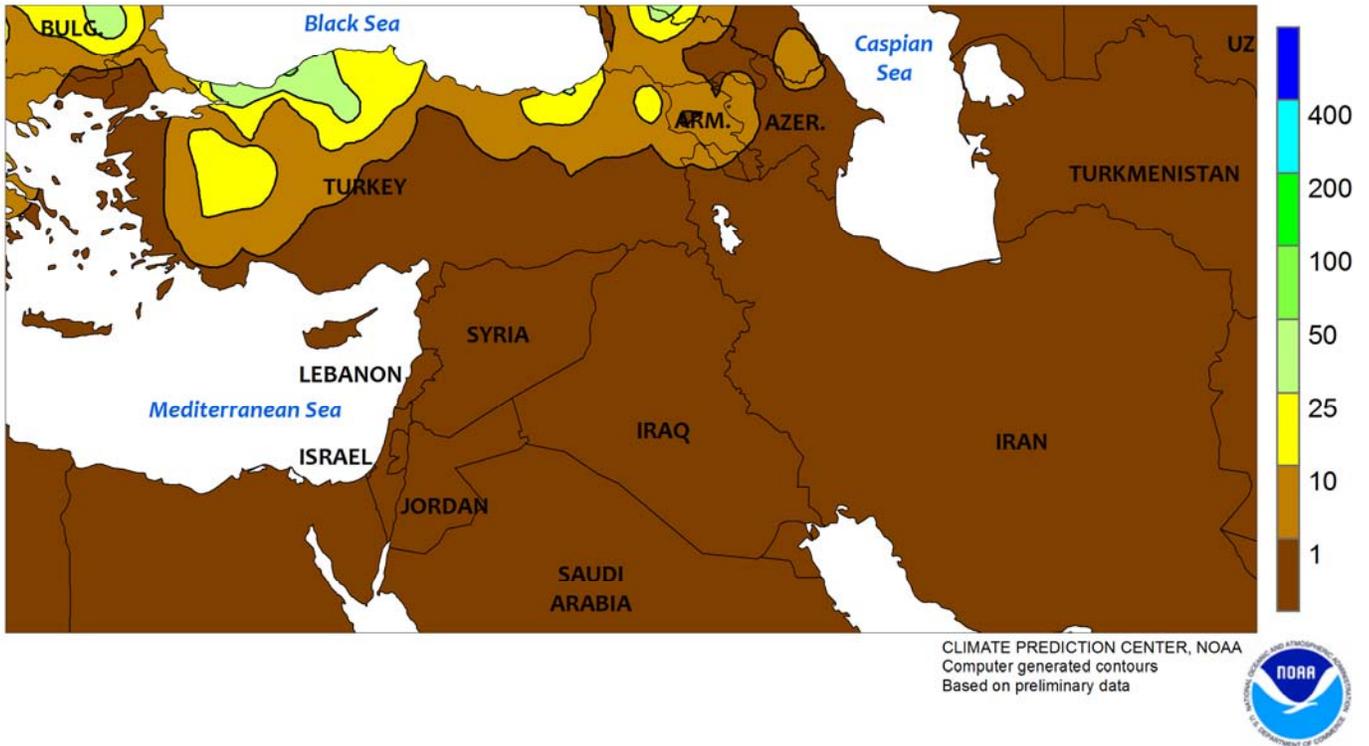


EASTERN FSU

Dry, warm weather accelerated spring wheat drydown in the north and cotton maturation in the south. In the western spring wheat belt (southeastern Volga and southern Urals Districts), increasingly dry weather coupled with high heat (5-8°C above normal, with highs in the lower to middle 30s) promoted crop maturation but further reduced yield prospects for late-filling spring wheat. Over northern Kazakhstan and neighboring portions of central Russia, sunny skies and above-normal temperatures (2-6°C above normal) favored spring wheat

maturation and early harvesting. Spring wheat yields in central growing areas remained mostly favorable, though short-term dryness (less than 50 percent of normal over the past 30 days) trimmed crop prospects somewhat. In the east, cool, dry weather maintained nearly-ideal conditions for filling spring wheat in Russia's Siberia District. Farther south, seasonable heat (35-38°C) and dryness in Uzbekistan accelerated cotton toward maturity, with the harvest typically beginning during the second half of September.

MIDDLE EAST
Total Precipitation (mm)
AUG 21 - 27, 2016

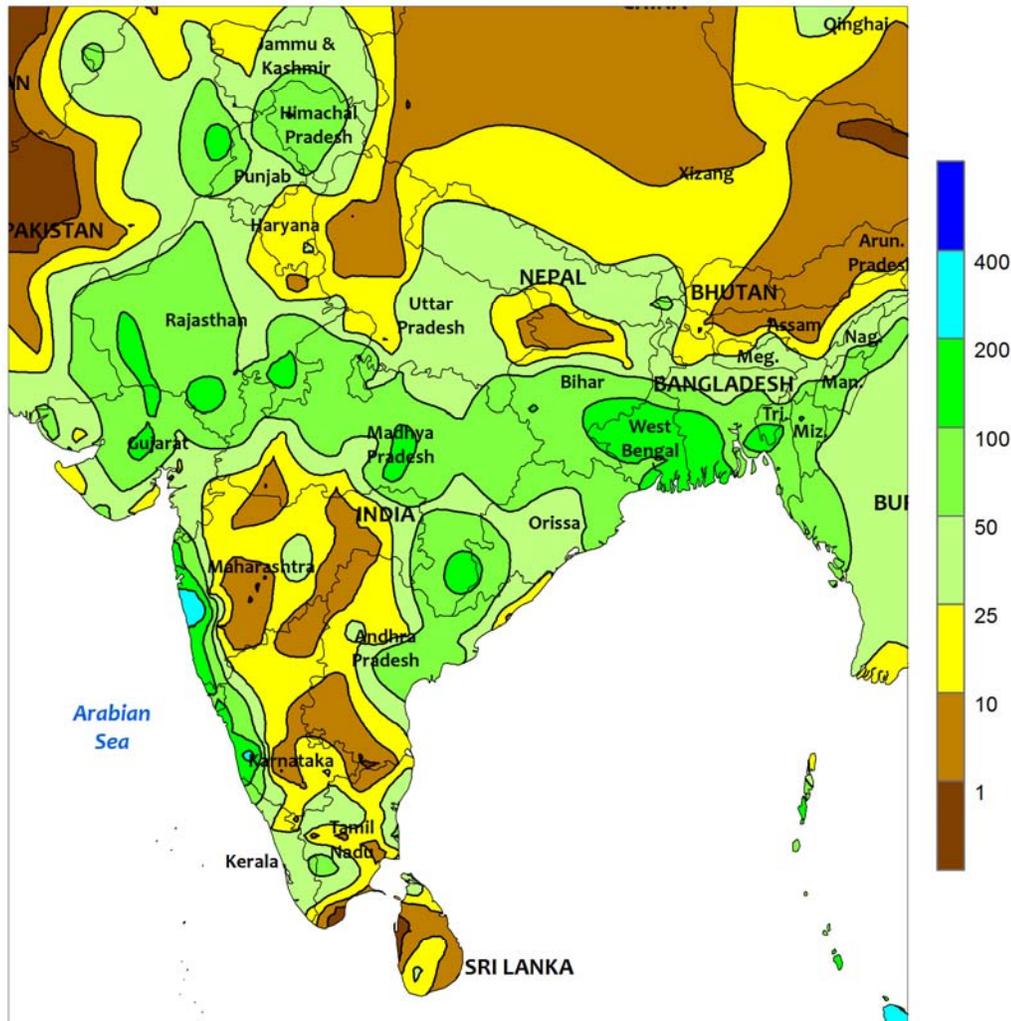


MIDDLE EAST

Seasonably dry, hot weather promoted summer crop maturation and harvesting. In Turkey, sunflowers are usually harvested during the latter half of August, while corn harvesting begins in

August and peaks in September. The cotton harvest typically starts in early September. Winter grains are planted in mid-autumn, with the seasonal arrival of cooler weather.

SOUTH ASIA
 Total Precipitation (mm)
 AUG 21 - 27, 2016



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

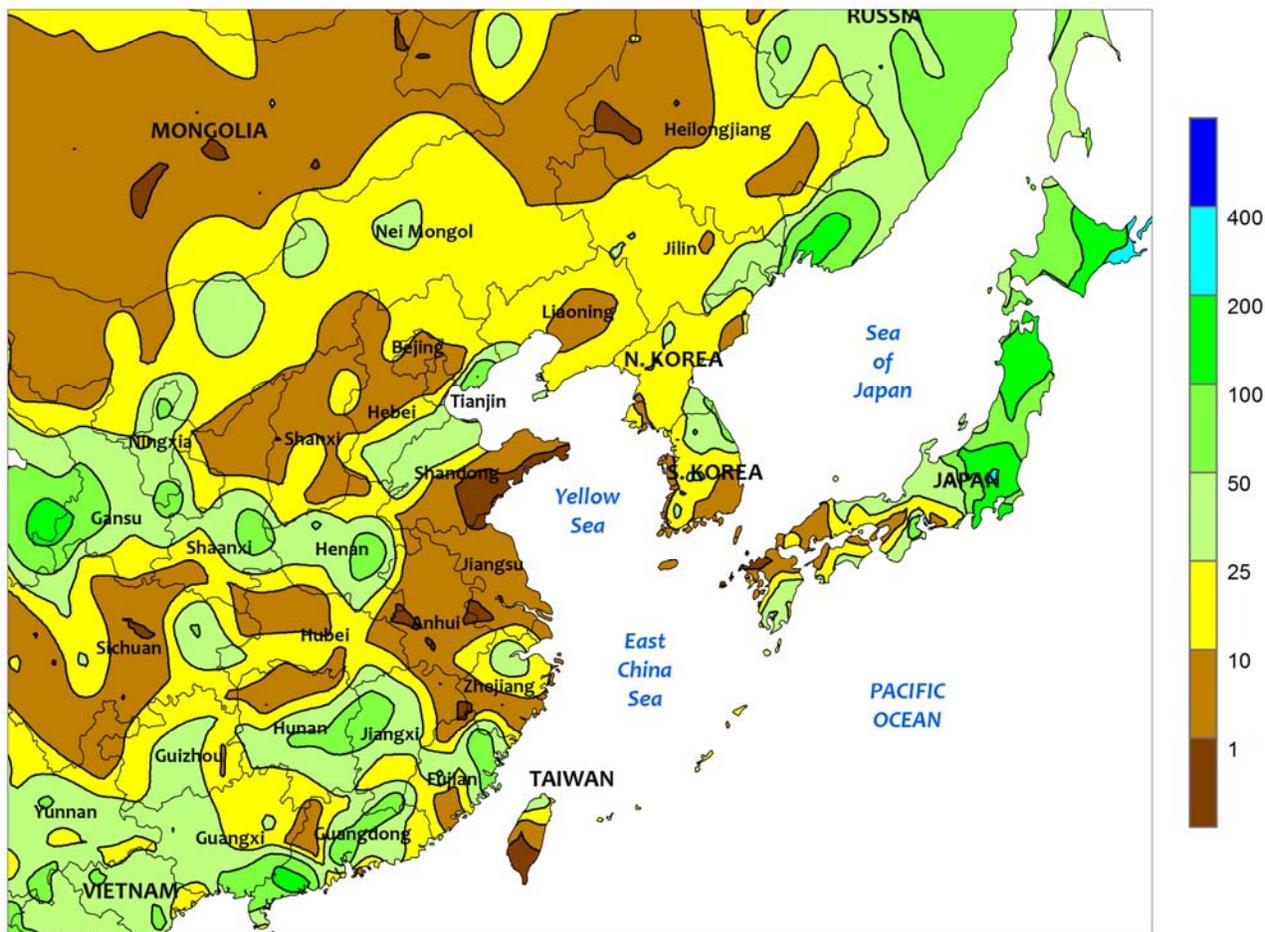


SOUTH ASIA

Heavy monsoon showers continued across central and northern India, with most areas receiving 50 to over 100 mm. The rainfall maintained adequate to abundant water supplies for rice in the east and boosted water reserves as far south as Andhra Pradesh. The rainfall also improved moisture conditions for groundnuts and cotton in Gujarat following dryness during the middle part of August. However, the wet weather was unwelcome for soybeans in Madhya Pradesh, where rainfall totals since July 1 were at a 30-year high. Meanwhile in Maharashtra, unseasonable dryness persisted for cotton and oilseeds. With the

exception of a 1-day rainfall total of nearly 200 mm in mid-August, rainfall has been below normal for much of the month. The dryness likely had little impact on soybeans and groundnuts following well-above normal rainfall during the first half of the season but could reduce cotton yields. In other parts of the region, heavy seasonal showers (50-100 mm or more) kept rice well watered in Bangladesh, while 25 to 50 mm or more in northern Pakistan boosted irrigation reserves for cotton and rice. However in Sri Lanka, dry weather for much of August increased irrigation demands of rice.

EASTERN ASIA
 Total Precipitation (mm)
 AUG 21 - 27, 2016



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

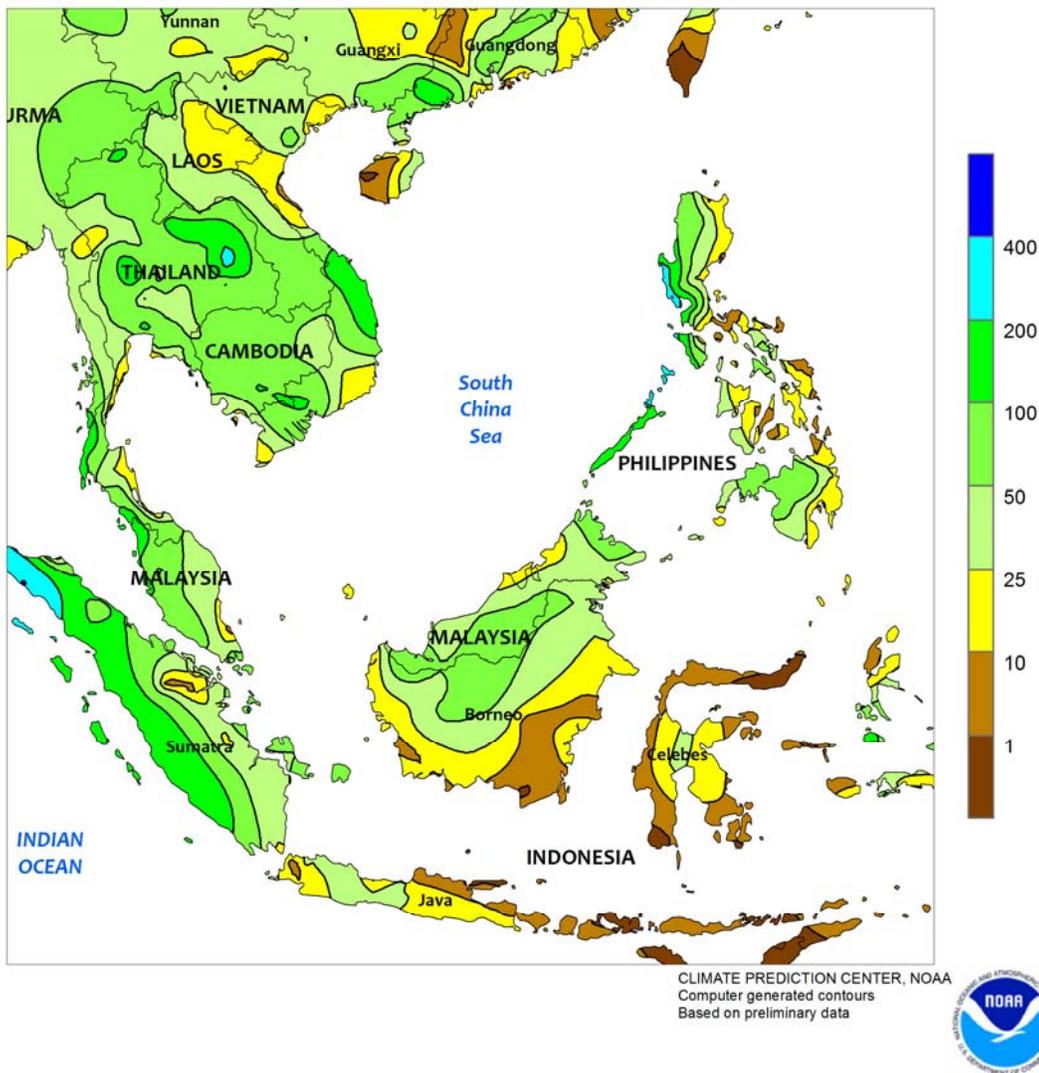


EASTERN ASIA

Rainfall was mostly scattered across eastern China, as showers continued to miss key corn areas in the northeast. Little if any rainfall was reported in western Heilongjiang and adjoining areas of Inner Mongolia and Jilin. Untimely dryness throughout the reproductive phase has reduced yield prospects for corn and time was running out for rainfall to have any further benefit. In the remainder of the northeast, light to moderate showers (10-25 mm) maintained generally favorable soil moisture for corn and soybeans. Farther south, showers were scattered with amounts varying from 1 mm to locally over 50 mm. Most summer crops in the south were in the latter stages of development and likely beginning to mature. Late-crop rice in the southern provinces and corn on the North

China Plain were likely just entering reproduction, though. Along with the scattered showers, unseasonably hot weather (temperatures averaging 1-3°C above normal) prevailed through much of southern China and in the drier areas of the northeast. Elsewhere in the region, moderate showers (10-25 mm) on the Korean Peninsula did little to alleviate significant seasonal rainfall deficits. Though, irrigation for rice appeared sufficient to maintain yield prospects. In Japan, three tropical cyclones (Mindulle, Kompas, Lionrock) from last week lingered into the current period and dropped more heavy showers (50-100 mm or more) in the north. The 2-week rainfall total in northern Honshu approached 200 mm, while in Hokkaido, the total was nearly 300 mm.

SOUTHEAST ASIA
Total Precipitation (mm)
AUG 21 - 27, 2016

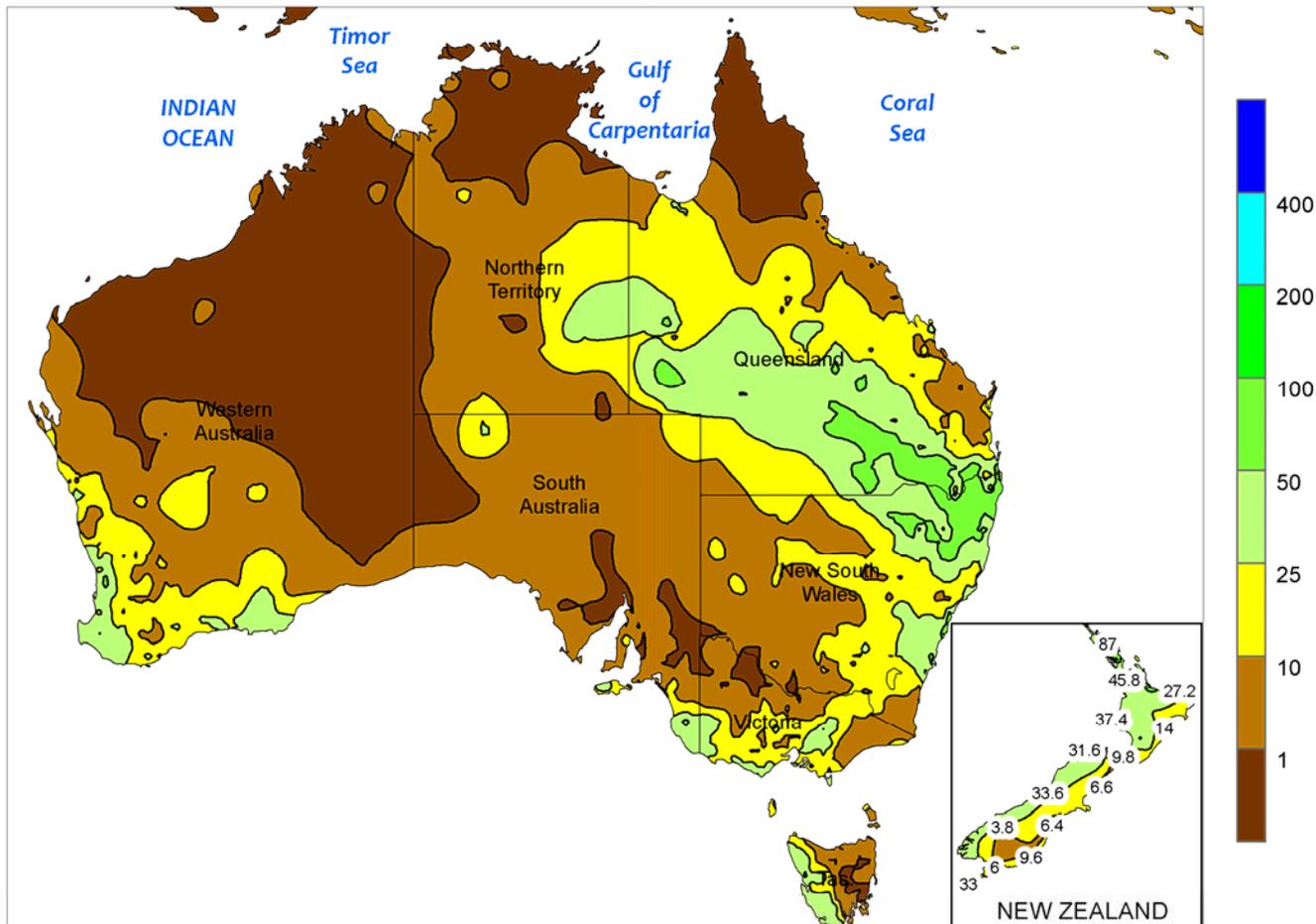


SOUTHEAST ASIA

Widespread showers (50-100 mm or more) in Thailand and environs maintained adequate soil moisture for rain-fed rice while further improving irrigation reserves. The rainfall also stemmed a brief period of dryness occurring in the middle part of August. In the Philippines, heavy showers continued (100-200 mm or more) in the northwest, with more seasonable amounts (25-100 mm) in the remainder of the country, keeping rice and corn well watered. The extremely wet weather during

August in western Luzon eradicated any lingering dryness from earlier in the season. However, the lack of tropical cyclone activity in the east has kept seasonal rainfall below normal for relatively minor rice growing areas. Meanwhile, showers (25-50 mm or more) in oil palm areas of Malaysia and Indonesia maintained favorable moisture conditions over the last 90 days, but significant 6-month deficits continued in western growing areas of Malaysia.

AUSTRALIA
Total Precipitation (mm)
AUG 21 - 27, 2016



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

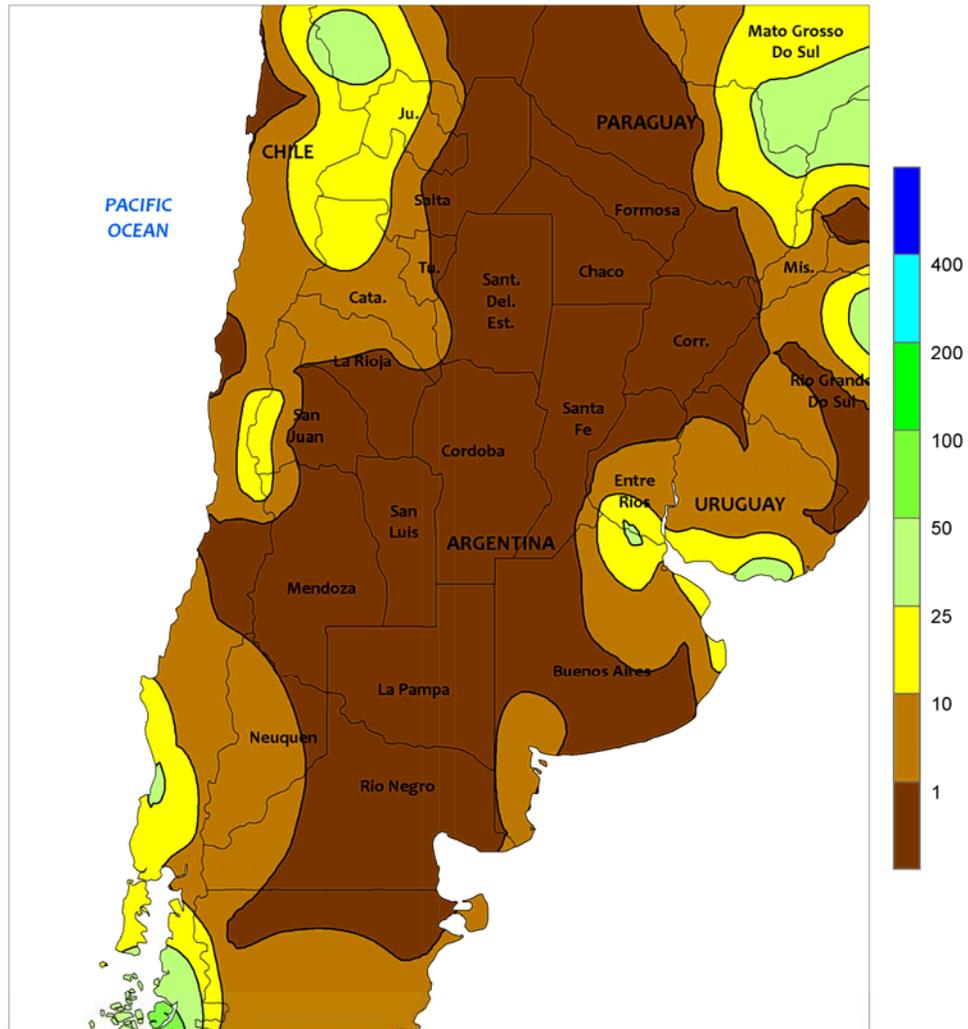


AUSTRALIA

Soaking rains (5-50 mm, locally more) overspread southern Queensland and much of New South Wales, maintaining good to excellent yield prospects for jointing and reproductive winter wheat while boosting soil moisture and irrigation supplies in advance of upcoming summer crop sowing. Farther south, apart from some isolated showers (generally less than 5 mm), sunny skies dominated the weather in major winter crop producing areas of Victoria and South Australia. Soil moisture remained plentiful in these states, however,

helping to fuel wheat, barley, and canola development. Elsewhere in the wheat belt, widespread showers (10-25 mm) favored winter grain and oilseed development in Western Australia, helping to keep crops in good condition. Cooler-than-normal weather covered the Australian wheat belt, with temperatures averaging about 1 to 2°C below normal for the week. Temperatures dipped a degree or two below freezing in pockets of Western Australia and New South Wales, potentially causing localized frost.

ARGENTINA
Total Precipitation (mm)
AUG 21 - 27, 2016



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

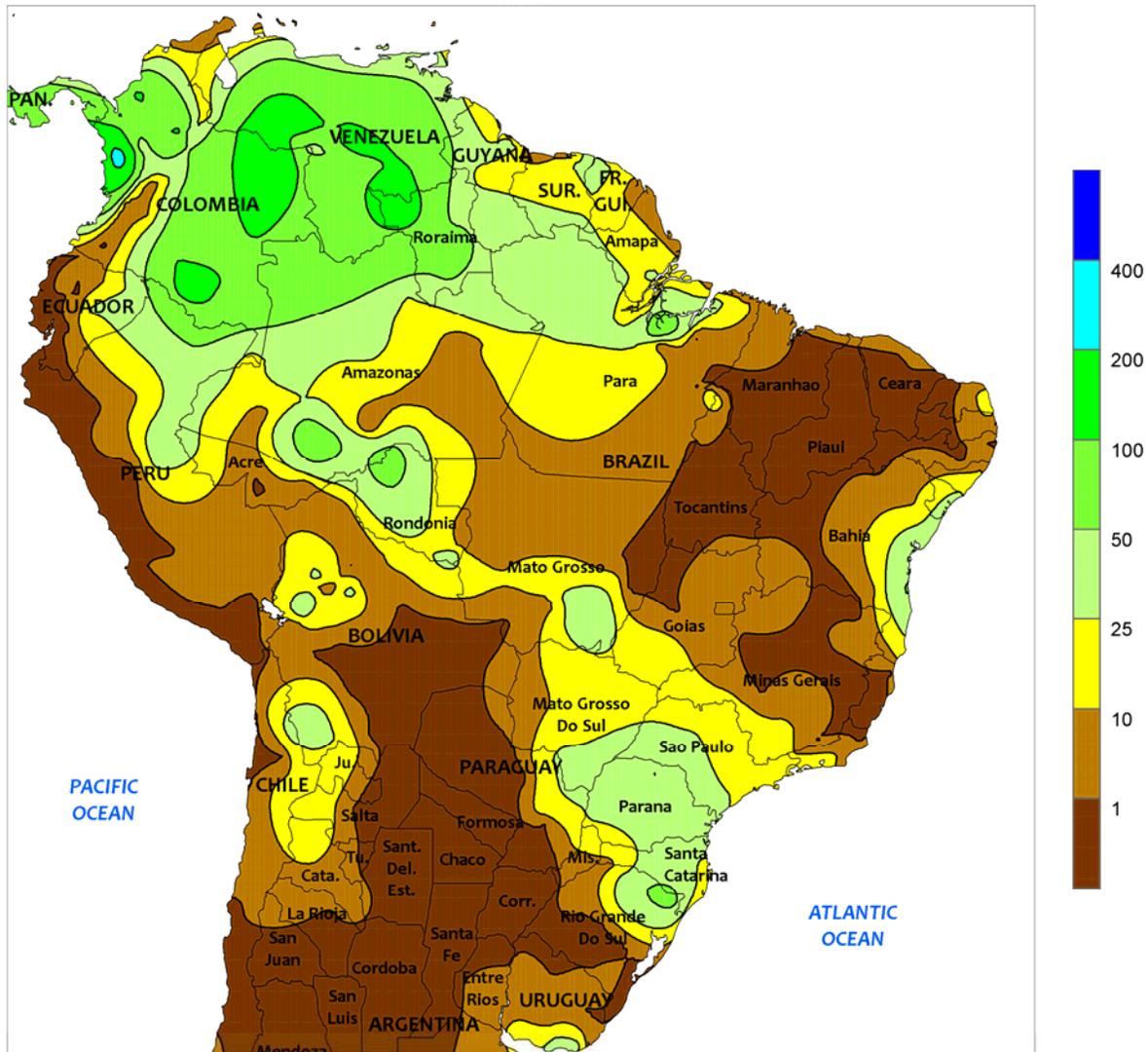


ARGENTINA

Generally warm, dry weather favored the late stages of seasonal fieldwork. Little to no rain fell in the main production areas of central and northern Argentina, and weekly average temperatures were 1 to 3°C above normal. Daytime highs ranged from the upper 10s and lower 20s (degrees C) in Buenos

Aires and La Pampa to the middle 30s in the far north; freezes were confined to traditionally cooler locations in the southwest. According to Argentina’s Ministry of Agriculture, corn was 90 percent harvested as of August 25, compared with 98 percent last year. Wheat planting was virtually complete at 99 percent.

BRAZIL
Total Precipitation (mm)
AUG 21 - 27, 2016



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

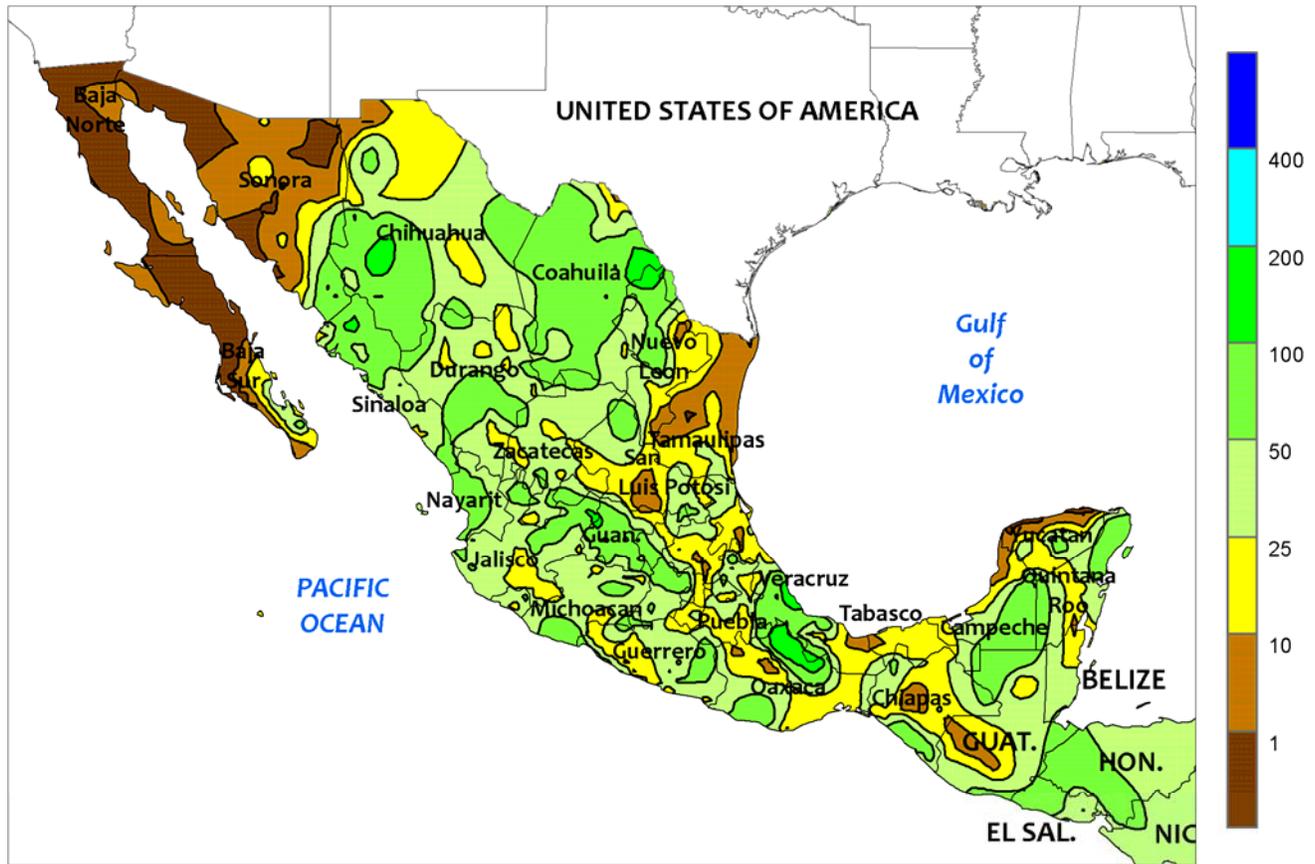


BRAZIL

Unseasonably heavy rain covered a broad section of southern Brazil, keeping wheat unfavorably wet in some locations but providing abundant early-season moisture for summer crops. Rainfall totaled more than 25 mm over Parana and nearby locations of Rio Grande do Sul, with similar amounts recorded in southeastern Mato Grosso and along the northeastern coast of Bahia. Much of the rest of southern Brazil — including portions of Sao Paulo and southern Minas Gerais — reported 10 mm or more, causing localized delays in sugarcane and

coffee harvesting. However, according to reports emanating from Brazil, first crop corn planting is underway in some locations and can benefit from the early-season moisture. Weekly average temperatures were near to slightly below average in the wettest locations, although daytime highs reached the upper 30s toward the latter part of the week in southern Mato Grosso. Nighttime lows fell below 5°C from southern Parana through Rio Grande do Sul, but no freezes were recorded.

MEXICO
Total Precipitation (mm)
AUG 21 - 27, 2016



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

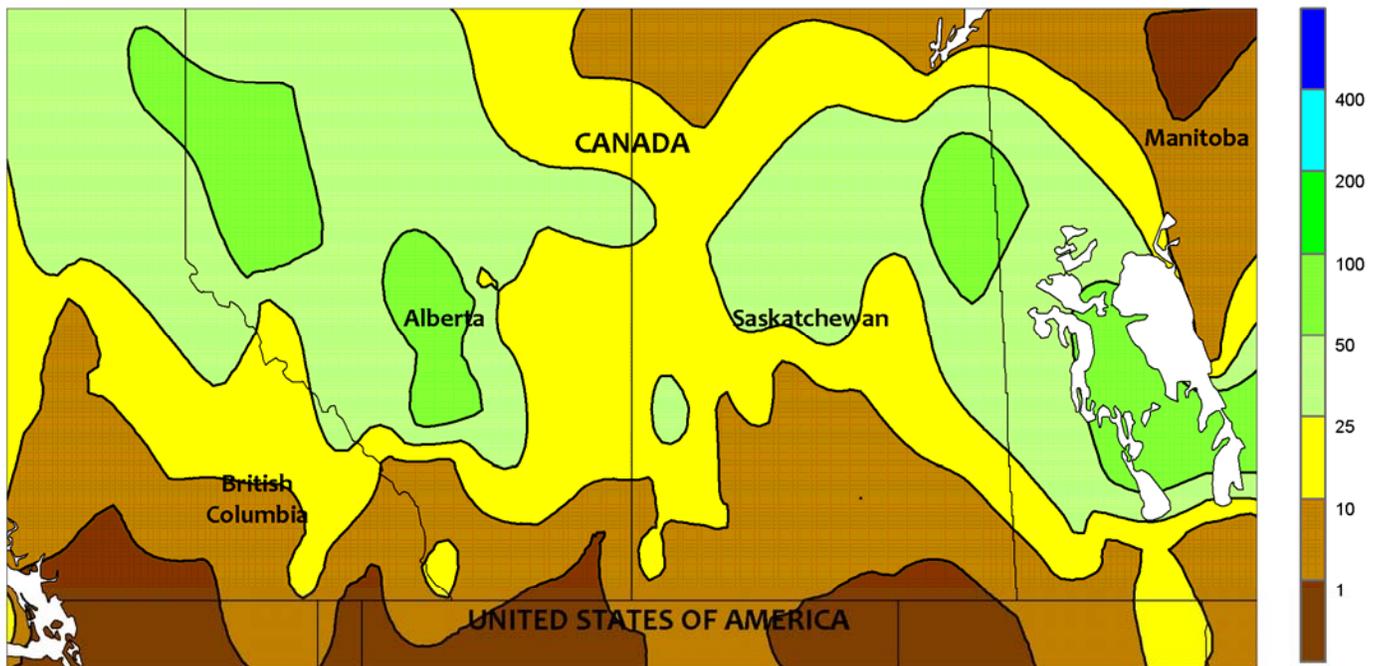


MEXICO

Widespread rainfall maintained overall favorable conditions for rain-fed summer crops. Amounts were variable across the southern plateau (Jalisco to Puebla), ranging from 5 to 50 mm, accompanied by seasonable warmth (daytime highs reaching the upper 20s and lower 30s degrees C) that promoted growth of reproductive to filling corn. Pockets of heavy rain (50 to locally more than 100 mm) lingered over southern Veracruz and nearby locations in Oaxaca, otherwise rainfall tapered off from the previous week in the southeast

and along the southern coast, bringing some relief from previous periods of heavy showers. Amounts were also lower across northern Mexico, although beneficial rain continued in previously dry north-central agricultural areas (notably eastern Chihuahua and Coahuila), boosting irrigation reserves for cotton. However, summer warmth (daytime highs reaching the upper 30s) maintained high moisture requirements of livestock in the far northwest (Sonora) and northeast (Tamaulipas and Nuevo Leon).

CANADIAN PRAIRIES
Total Precipitation (mm)
AUG 21 - 27, 2016



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

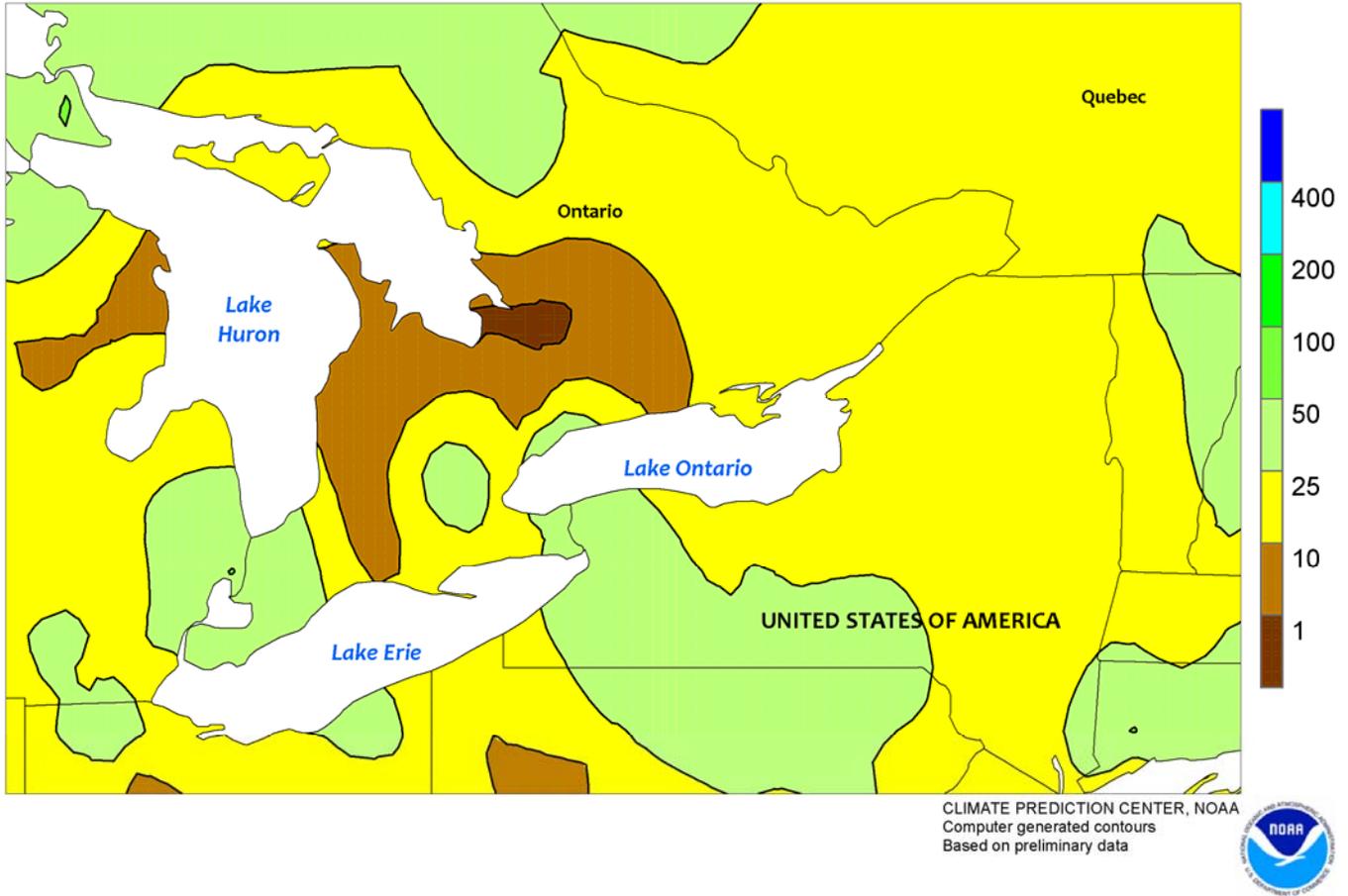


CANADIAN PRAIRIES

Spring grain and oilseed harvests advanced with minor delays in southern agricultural districts, as wet weather returned to northern farming areas. Despite light showers lingering throughout the week, rainfall totaled less than 10 mm across a large part of the region stretching from southern Alberta to east-central Saskatchewan, as well as parts of southern Manitoba. Although daytime highs reached the lower 30s (degrees C) as the week began, temperatures dropped to below-normal levels for the remainder of the week, with nighttime lows periodically

dropping below 5°C. As a result, weekly temperatures averaged up to 2°C below normal. Meanwhile, locally heavy showers (rainfall totaling more than 45 mm in spots) swept across northern farming areas, inhibiting fieldwork and possibly causing localized lodging. Northern temperatures, though variable, averaged closer to normal; daytime highs reached the 20s in Alberta's northern production areas on several days, and the middle and upper 20s elsewhere, otherwise cooler conditions prevailed. As in the south, no freezes were reported.

SOUTHEASTERN CANADA
Total Precipitation (mm)
AUG 21 - 27, 2016



SOUTHEASTERN CANADA

Warm, showery weather continued across the region. Most locations recorded at least 10 mm, though heavier rainfall (greater than 25 mm) was embedded in the coverage. Weekly temperatures averaged 2 to 3°C above normal across the region, with daytime highs reaching

30°C on several days. The rainfall helped to further stabilize the condition of late-planted soybeans, and to replenish topsoil moisture reserves for the upcoming winter wheat crop, but the moisture was likely too late to help all but the latest-planted corn.

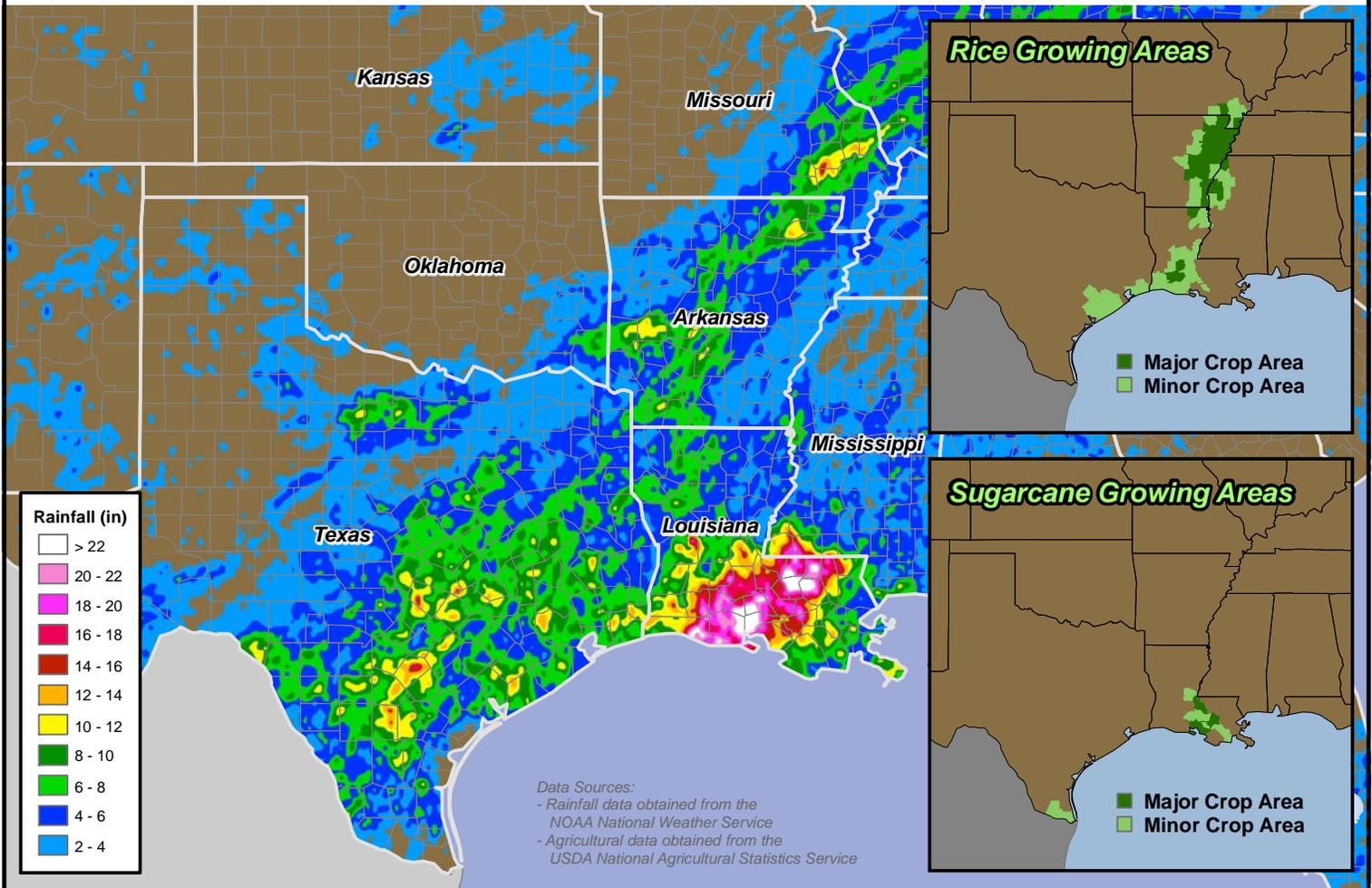


United States
Department of
Agriculture

Flooding Rains Impact Parts of the South

14-day Rainfall Estimates - August 9-22, 2016

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



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:

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