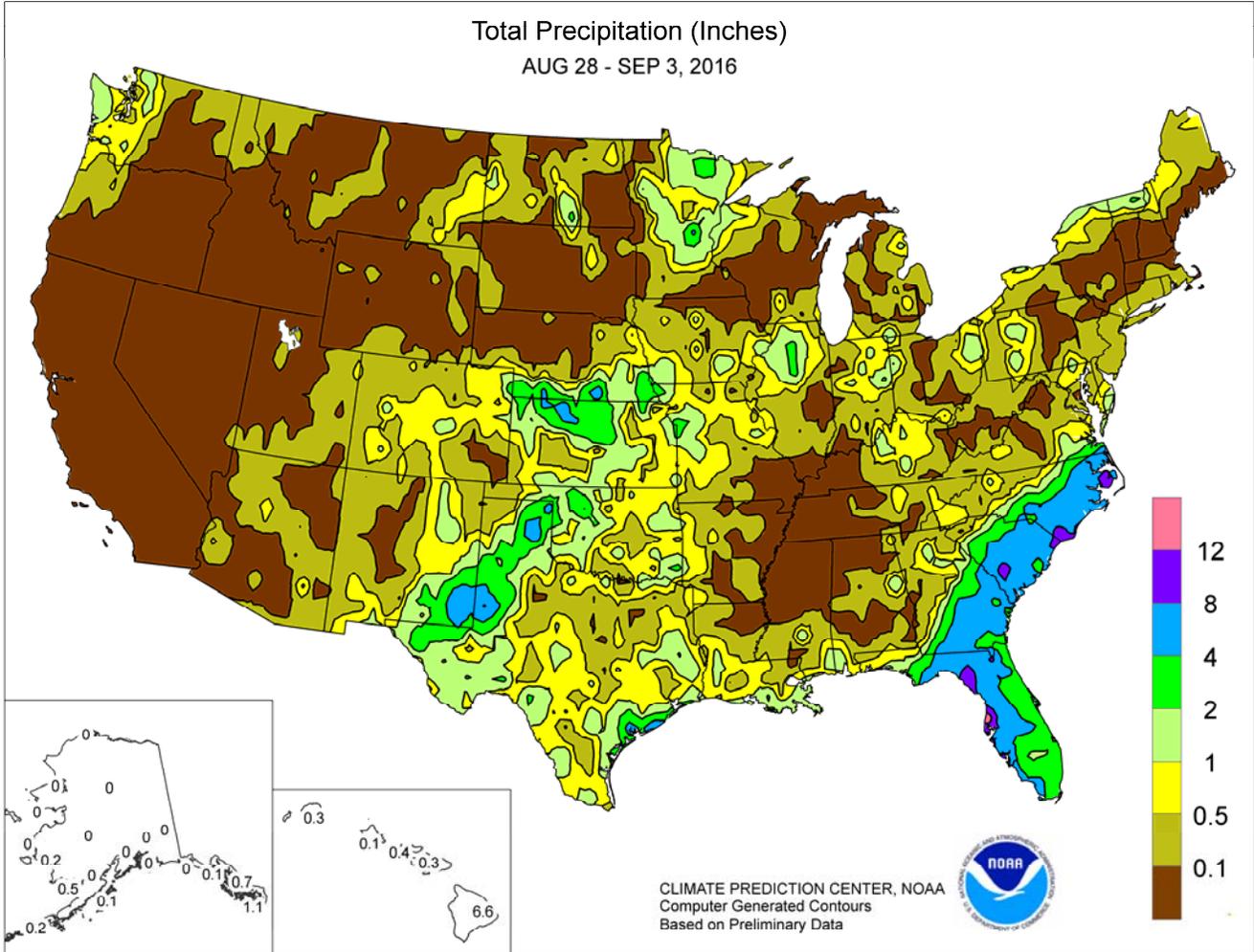


WEEKLY WEATHER AND CROP BULLETIN



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 28 – September 3, 2016

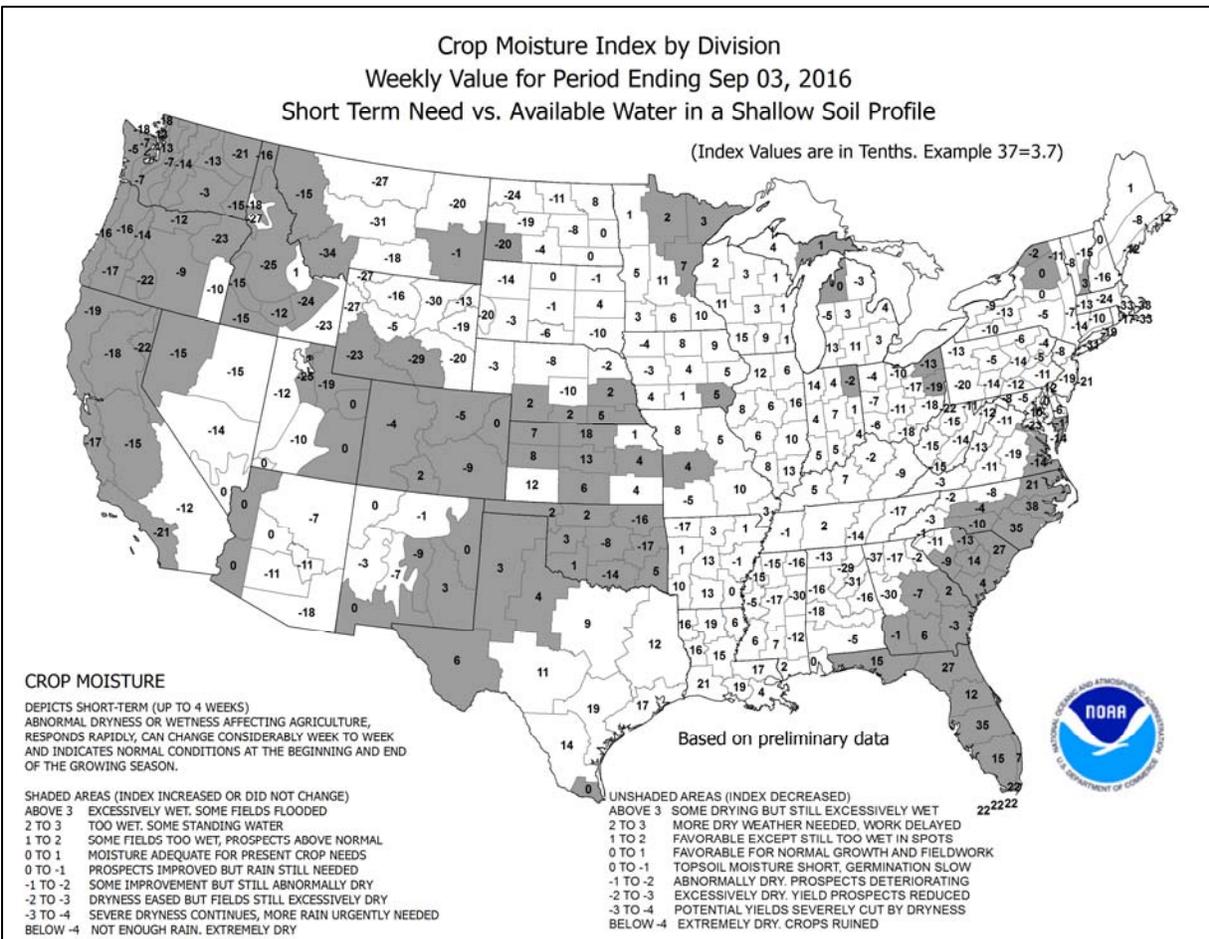
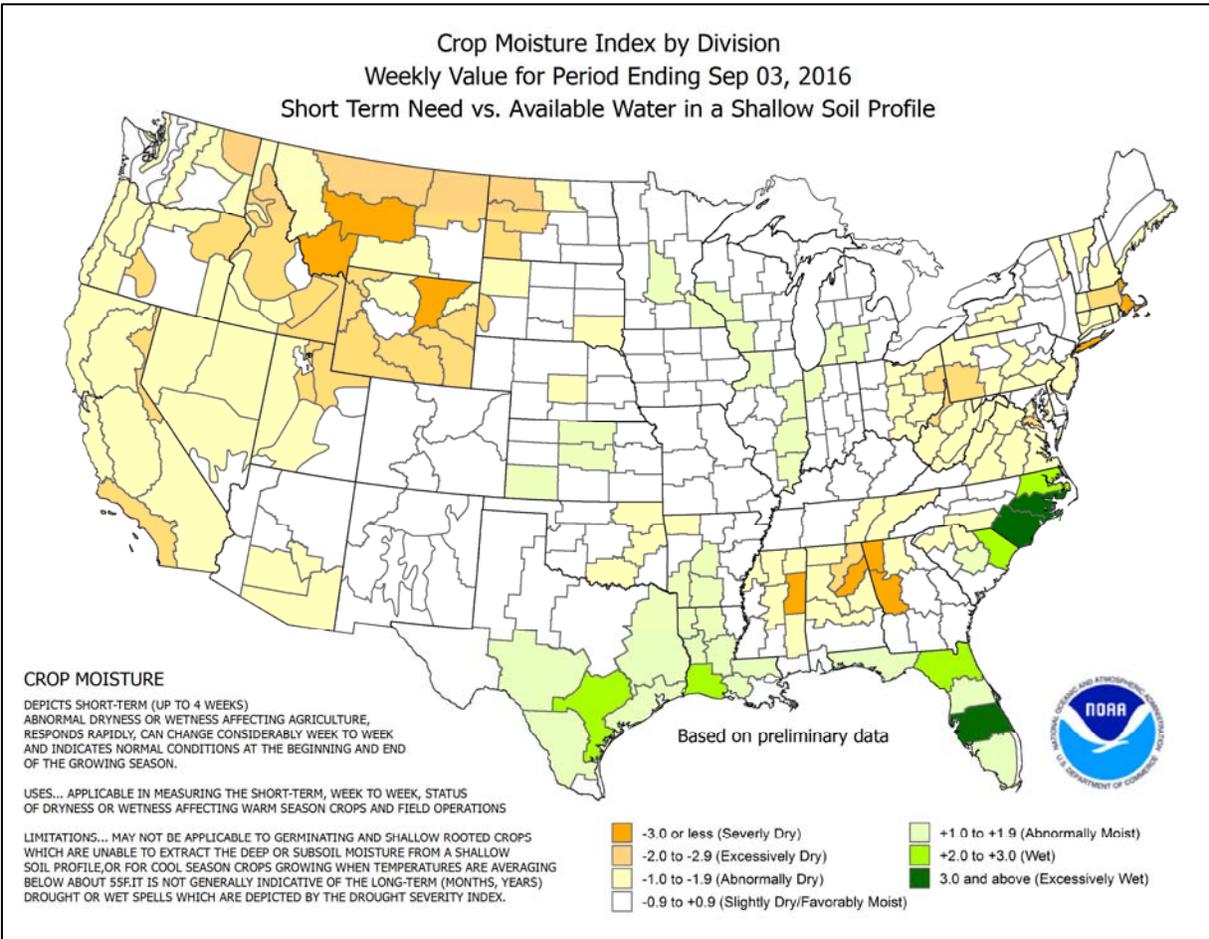
Highlights provided by USDA/WAOB

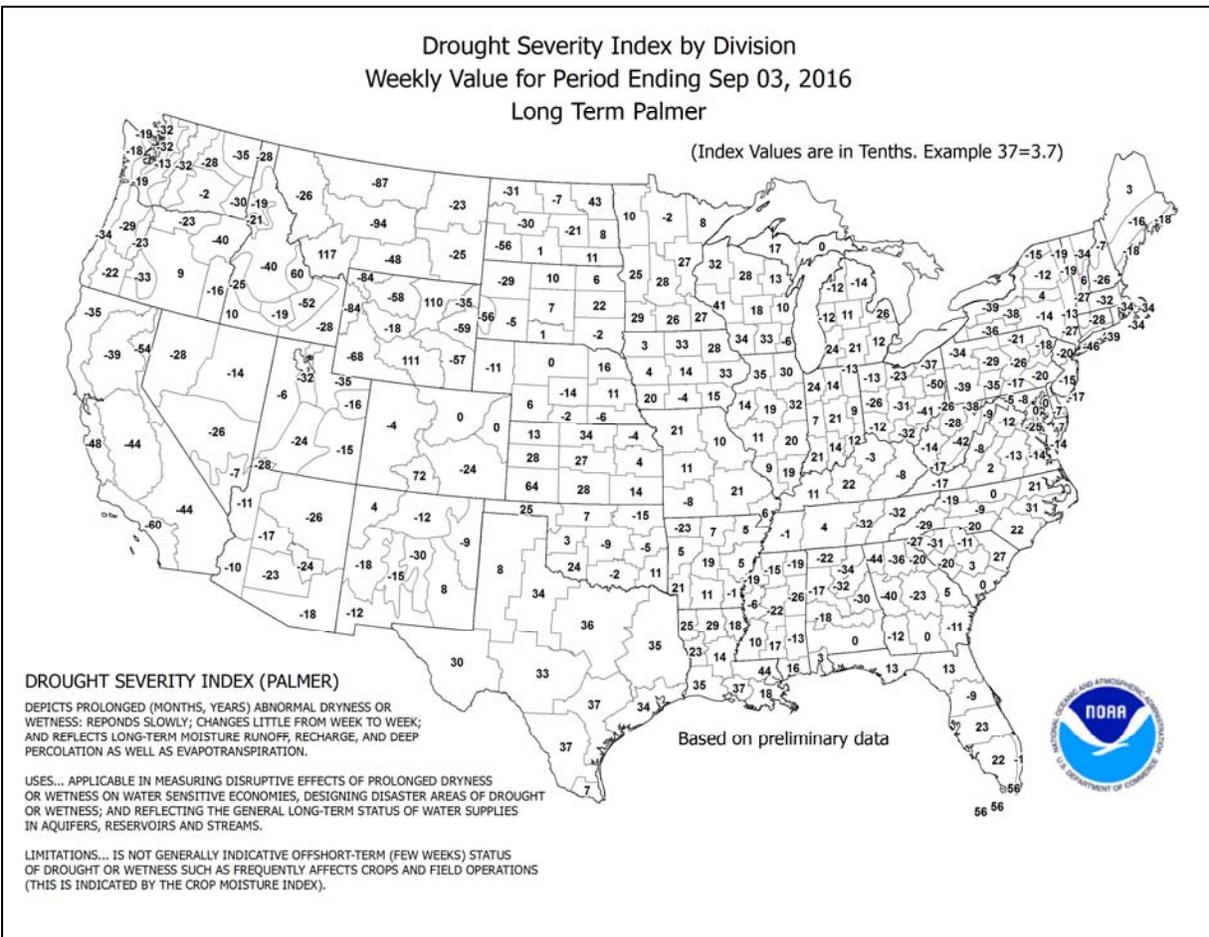
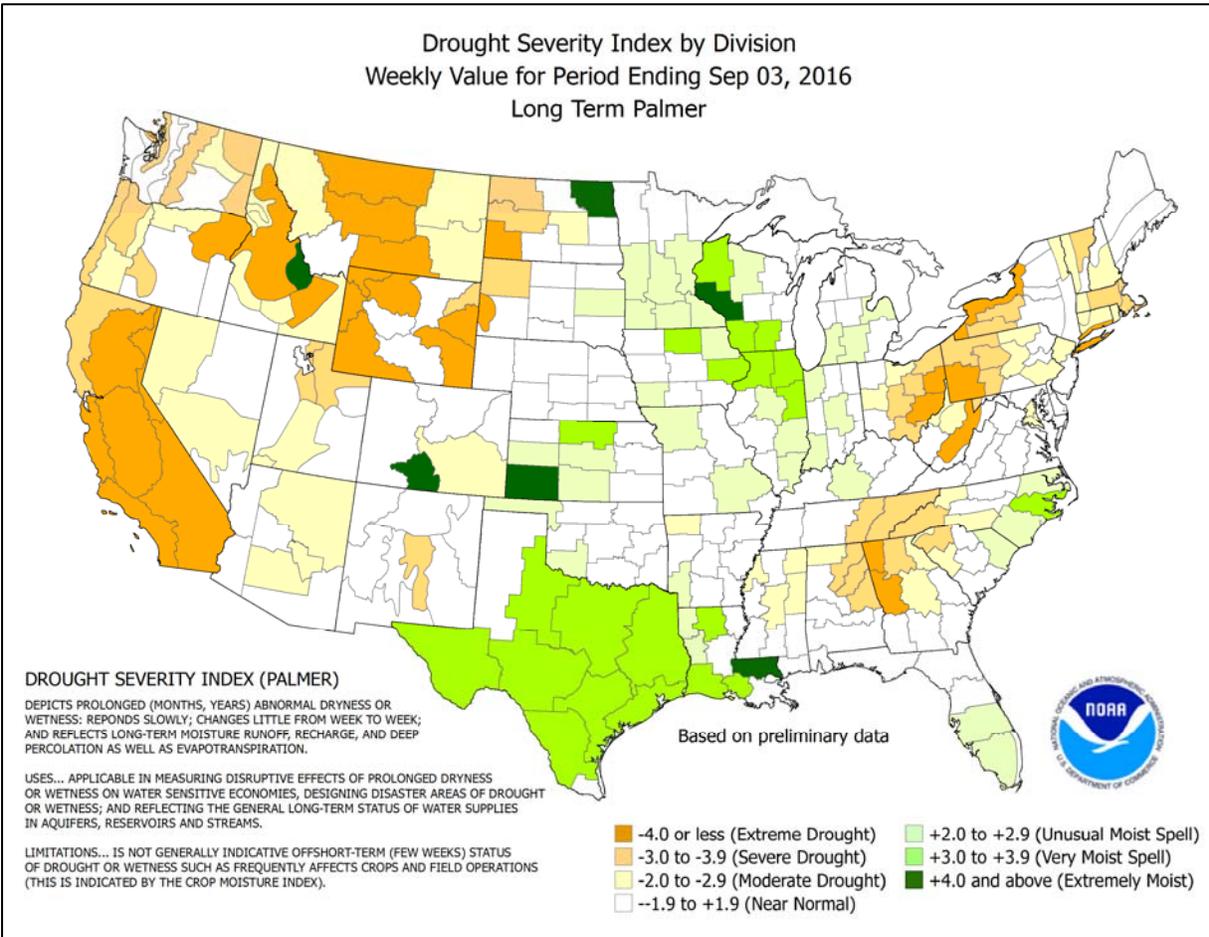
Category 1 Hurricane Hermine made landfall early Friday, September 2, in **Florida's Big Bend region near St. Marks**, with maximum sustained winds near 80 mph. Later, winds associated with Tropical Storm Hermine gusted to 40 to 60 mph or higher in a broad area stretching from **Florida to the coastal Carolinas and southeastern Virginia**, resulting in power outages and varying degrees of damage. However, Hermine's more widespread impact was heavy rain, which totaled 4 to 8 inches or more in the same general areas affected by strong winds. Regarding

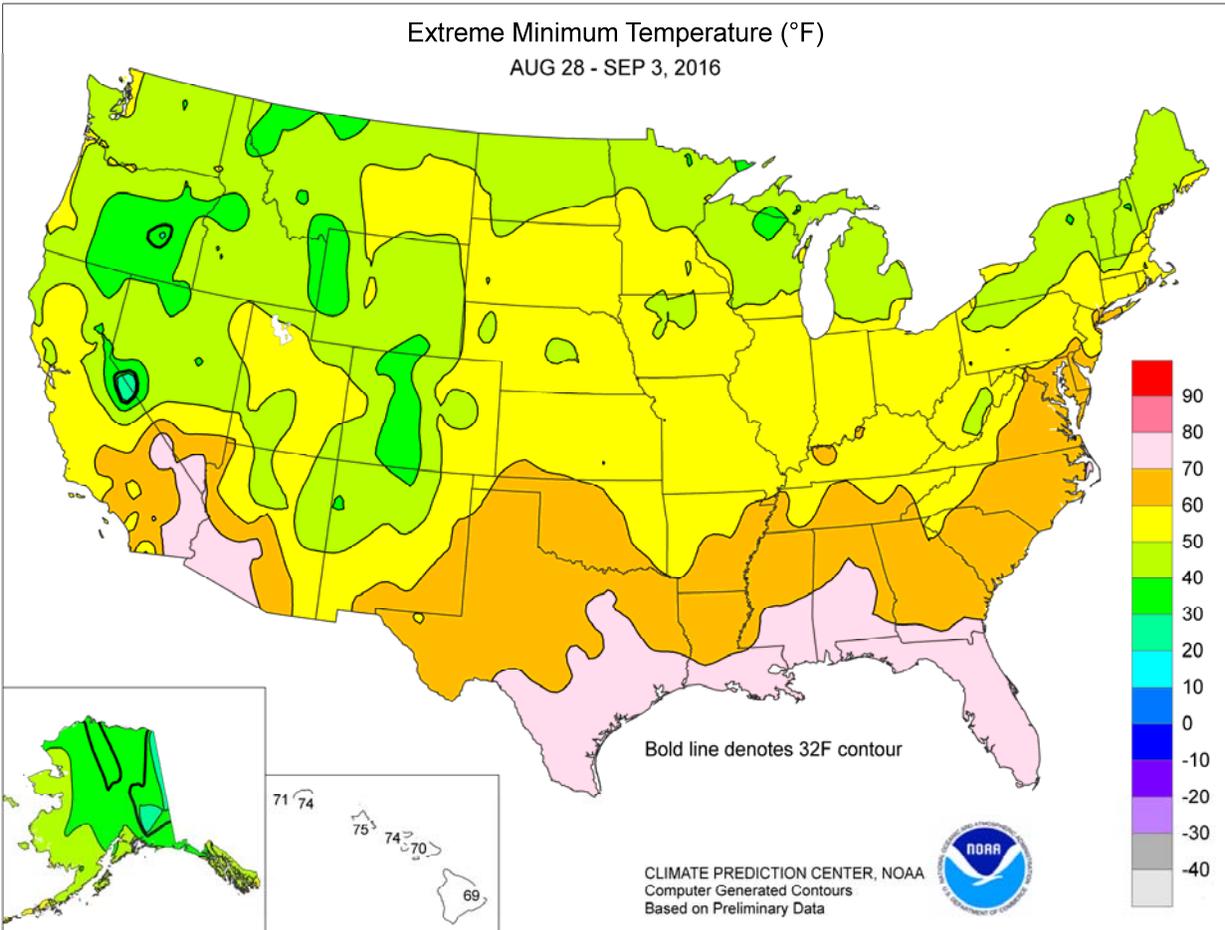
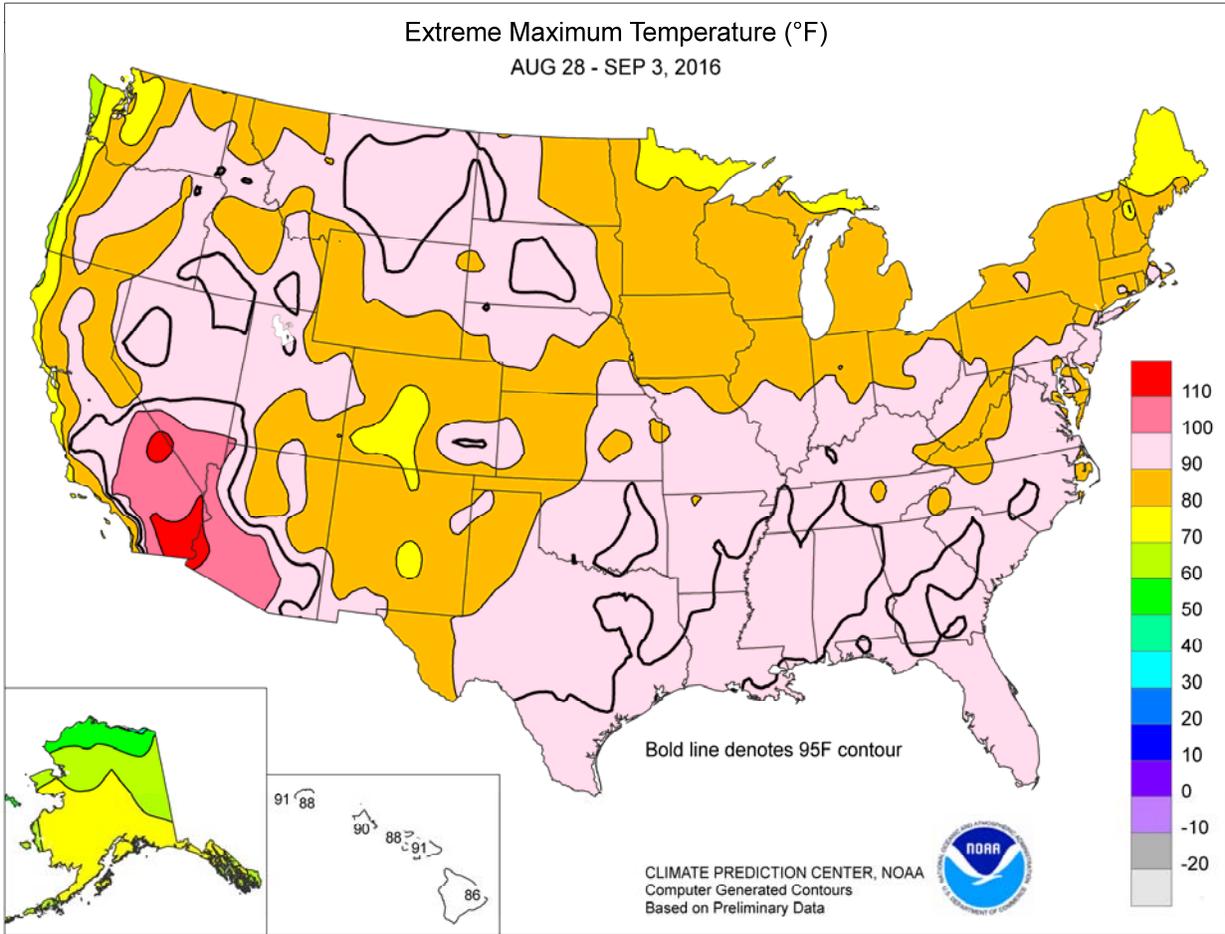
(Continued on page 5)

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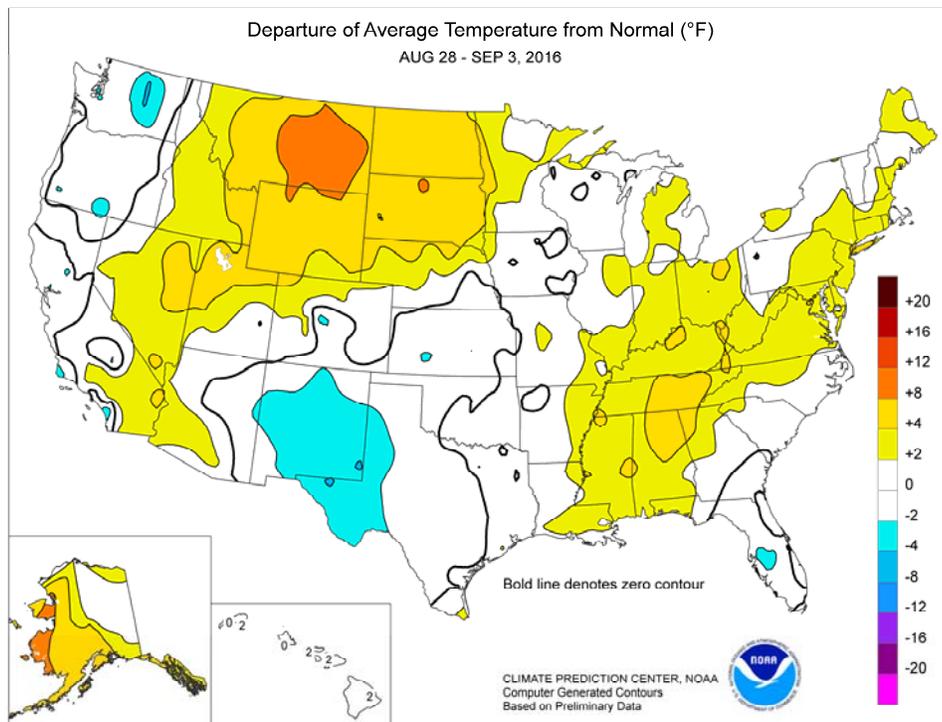


(Continued from front cover)

Hermine, the greatest concerns were the combined effects of wind and rain on immature summer crops, including cotton. Shortly after the storm hit, on September 4, **Southeastern** cotton bolls open—and especially vulnerable to adverse weather—ranged from 18 percent in **Virginia** to 49 percent in **Georgia**. Outside of Hermine's influence, the heaviest rain fell across the **central and southern Plains** and neighboring areas. The rain slowed fieldwork but provided beneficial moisture for rangeland, pastures, and immature summer crops. Some of the rain reached into parts of the **Midwest**. Most other areas of the country, including the **interior Southeast** and a broad area stretching from **California to the northern Plains**, experienced warm, dry weather, favoring fieldwork and summer crop maturation. The warmest weather, relative to normal, occurred across the **northern Plains** and the **eastern U.S.** In fact, weekly temperatures averaged as much as 10°F above normal on the **northern Plains**, and were at least 5°F above normal in several locations stretching from the **central Gulf Coast into southern New England**. Meanwhile, cooler-than-normal conditions were mostly limited to **southern Florida, southern sections of the Rockies and High Plains**, and the **Pacific Northwest**.

Early- to mid-week heat boosted temperatures to daily-record levels in **Montana** locations such as **Missoula** (94°F on August 29); **Ennis** (95°F on August 30); and **Lewistown** (99°F on August 31). A late-season hot spell also affected parts of the **West**, where daily-record highs included 99°F (on August 30) in **Sandberg, CA**, and 94°F (on August 31) in **Idaho Falls, ID**. Hot weather also prevailed across the **eastern one-third of the U.S.**, where daily-record highs climbed to 98°F (on September 1) in **New Orleans, LA**, and 93°F (on September 2) in **Miami, FL**. For several **Northeastern** locations, including **Buffalo, NY**, and **Cleveland, OH**, August average temperature records from 1947 were tied or broken. Similarly, August average temperatures records were broken in **Boston, MA** (previous record set in 1998); **West Palm Beach, FL** (2005); and **Charleston, SC** (2007). **Boston** also completed its driest summer on record, with a June-August rainfall total of just 3.92 inches, or 37 percent of normal (previously, 3.97 inches in 1957).

The driest summer on record also ended in **Florida** locations such as **Jacksonville** (7.88 inches, or 40 percent of normal; previously, 8.71 inches in 1954) and **Daytona Beach** (7.63 inches, or 42 percent; previously, 8.75 inches in 1989). However, torrential rainfall arrived at the end of August across parts of **Florida** in conjunction with Hurricane Hermine. On the 31st, with a 7.76-inch total, **Sarasota-Bradenton, FL**, experienced its wettest August day (previously, 5.90 inches on August 14, 1928). Elsewhere in **Florida**, daily-record amounts for August 31 included 5.01 inches in **St. Petersburg**, 4.04 inches in **Tampa**, and 3.48 inches in **Lakeland**. Parts of **Pinellas County, FL**, received at least 15 to 20 inches of rain in a 72-hour period ending on September 2, with 20.11 inches measured near **Baskin**. Late on September 1, shortly before Hermine's landfall east of **St. Marks, FL**, near the **Wakulla-Jefferson County line**, a wind gust to 79 mph was reported at the **Tyndall Tower**, an elevated platform south of **Apalachicola**. East of Hermine's landfall, a storm surge of at least 5.8 feet (above mean higher high water) was reported on **Cedar Key, FL**. On September 2, torrential rain soaked the



coastal Carolinas, with daily-record amounts reported in locations such as **North Myrtle Beach, SC** (8.90 inches), and **Wilmington, NC** (7.78 inches). It was **Wilmington's** wettest September day since September 27, 2010, when 10.33 inches fell. Other record-setting totals for September 2 included 4.68 inches in **Florence, SC**; 4.20 inches in **Augusta, GA**; and 3.89 inches in **Fayetteville, NC**. Elsewhere in **North Carolina**, **Elizabeth City** received 6.02 inches of rain during the first 3 days of the month, and reported a wind gust to 62 mph on September 3. On the same date, a few wind gusts of 60 to 80 mph were clocked on **North Carolina's Outer Banks**, with 79 mph reported on the **Duck Research Pier**. Farther west, the week opened on a stormy note across the **upper Midwest**, where **St. Cloud, MN**, experienced its third-wettest August day on record with a 4.08-inch total on the 29th. Later, heavy rain shifted to the **central and southern Plains**. **Salina, KS**, collected a daily-record sum of 2.73 inches on August 30, and received 6.21 inches during the last 7 days of the month. Meanwhile in **southeastern New Mexico**, August 30-31 rainfall totaled 2.22 inches in **Artesia** and 1.90 inches in **Carlsbad**.

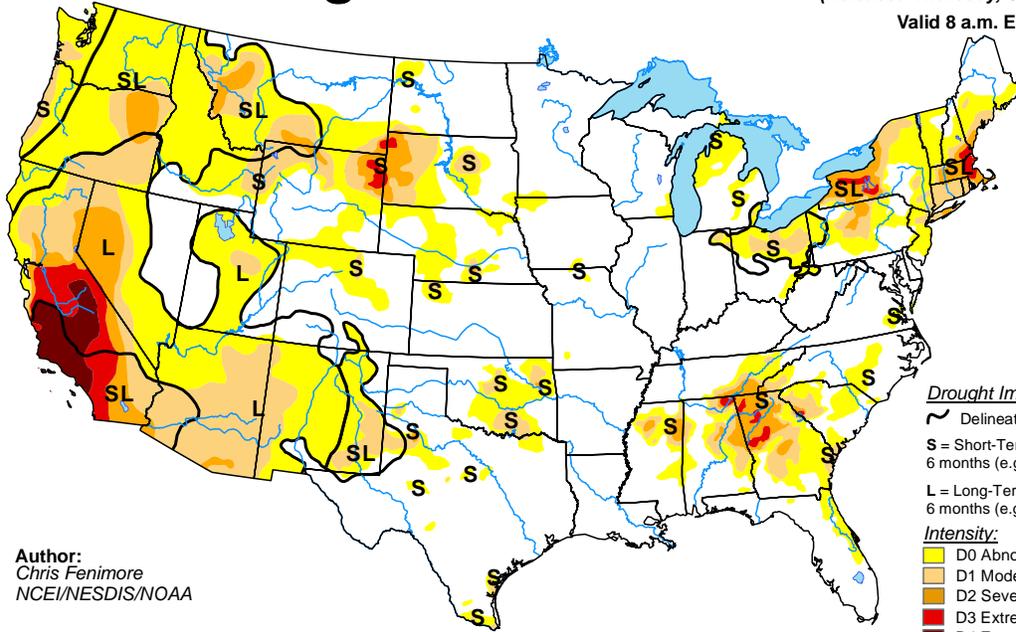
Abnormally warm weather continued across **western Alaska**, while temperatures returned to near-normal levels in the eastern part of the state. In fact, widespread frost occurred on August 31 across **eastern interior Alaska**, where lows dipped to 24°F in **Chicken** and 25°F in **Tok**. In contrast, **Bethel** reported four consecutive daily-record highs (72, 72, 73, and 74°F) from August 30 – September 2. Other **Alaskan** daily-record highs included 77°F (on August 28) in **Anchorage** and **Yakutat**; 77°F (on August 31) in **King Salmon**; and 72°F (on August 31) in **Nome**. At the same time, most of **Alaska** experienced dry weather, a departure from the recent spell of showery weather. Meanwhile, weakening Tropical Storm Madeline passed just south of the **Big Island of Hawaii** on August 31 – September 1, resulting in some heavy rain and gusty winds. On the **Big Island**, **Hilo** netted a daily-record sum of 4.29 inches on August 31, helping to boost its monthly total to 24.68 inches (251 percent of normal). Elsewhere on the **Big Island**, 48-hour rainfall totals on August 30 – September 1 reached 11.38 inches at the **Saddle Road Quarry** and 9.39 inches in **Glenwood**. On September 1, the combination of Madeline to the south and a high-pressure system north of the **Hawaiian Islands** resulted in wind gusts to 70 mph at the **Oahu Forest National Wildlife Refuge** and 61 mph at **Kaupo Gap on Maui**.

U.S. Drought Monitor

August 30, 2016

(Released Thursday, Sep. 1, 2016)

Valid 8 a.m. EDT



Author:
Chris Fenimore
NCEI/NESDIS/NOAA

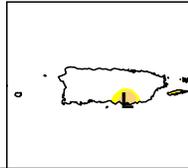
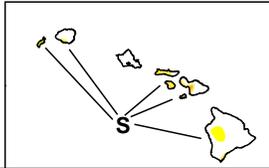
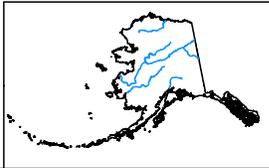
Drought Impact Types:

- ~ 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.

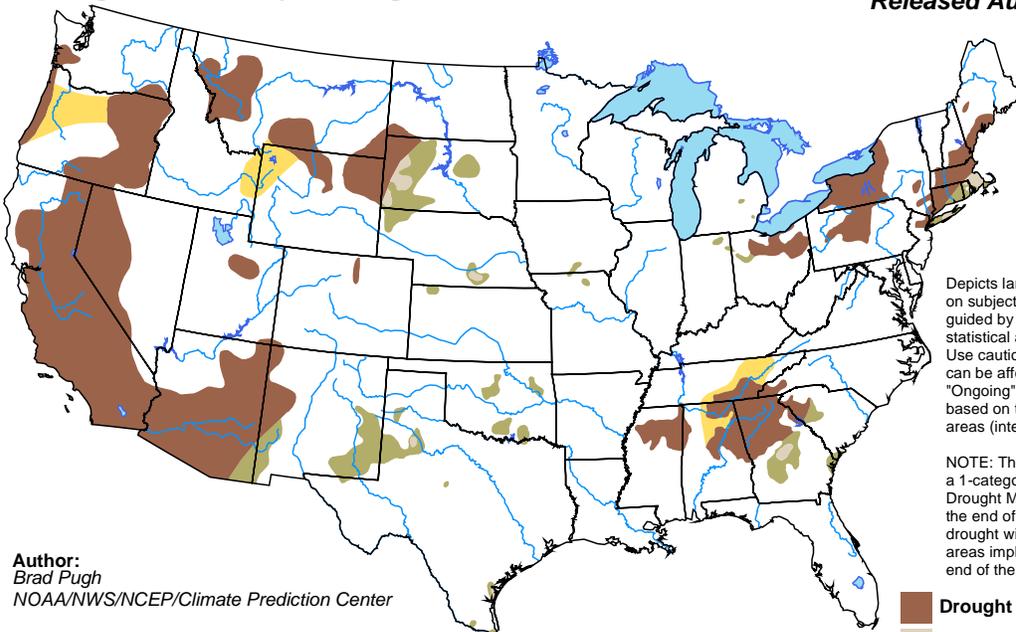


<http://droughtmonitor.unl.edu/>

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for September 2016
Released August 31, 2016

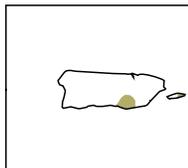
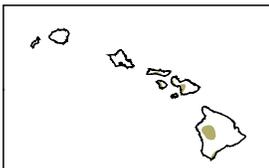
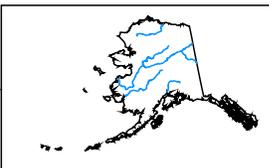


Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



<http://go.usa.gov/3eZGd>



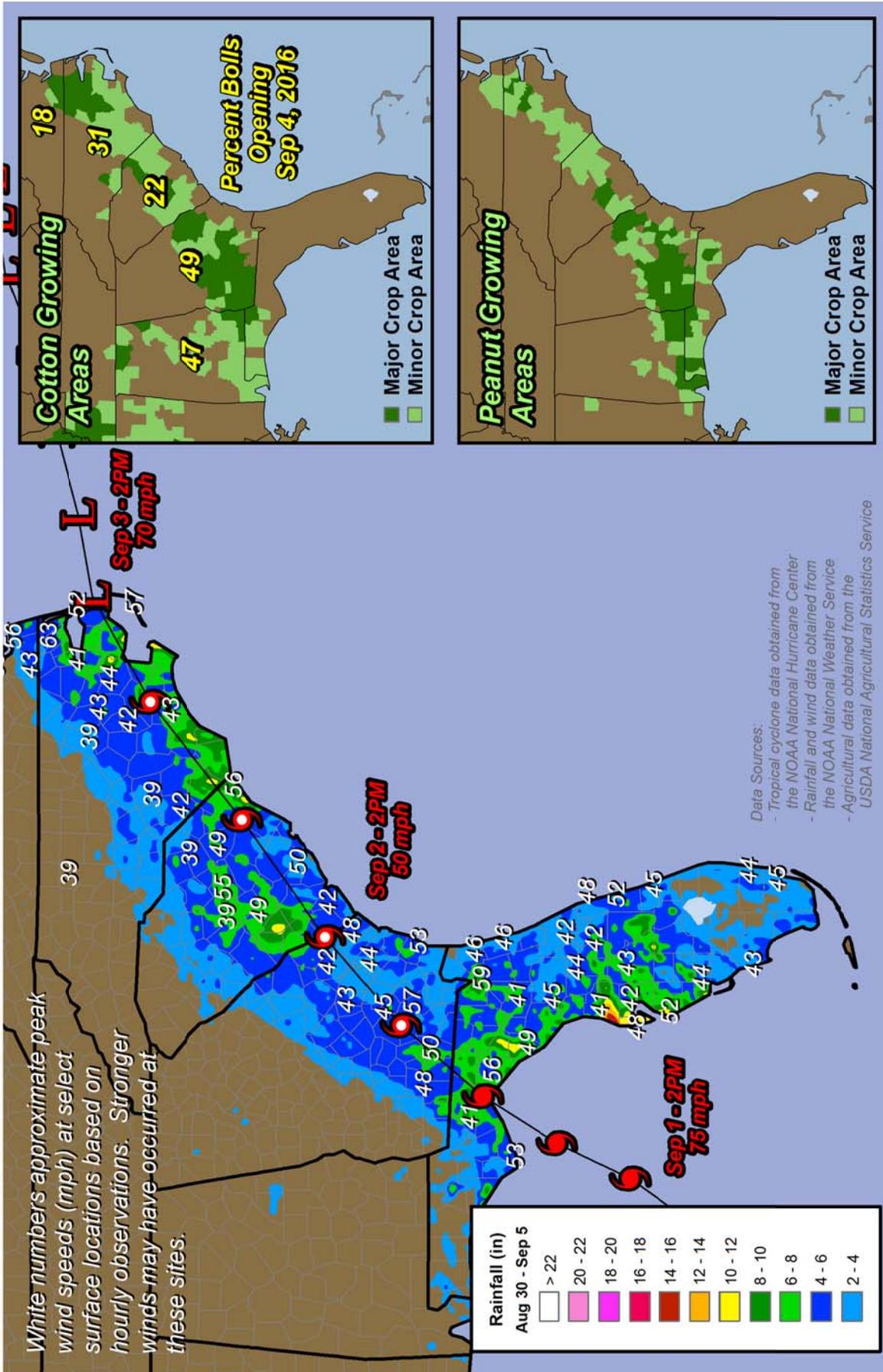
This product was prepared by the
 USDA Office of the Chief Economist (OCE)
 World Agricultural Outlook Board (WAOB)

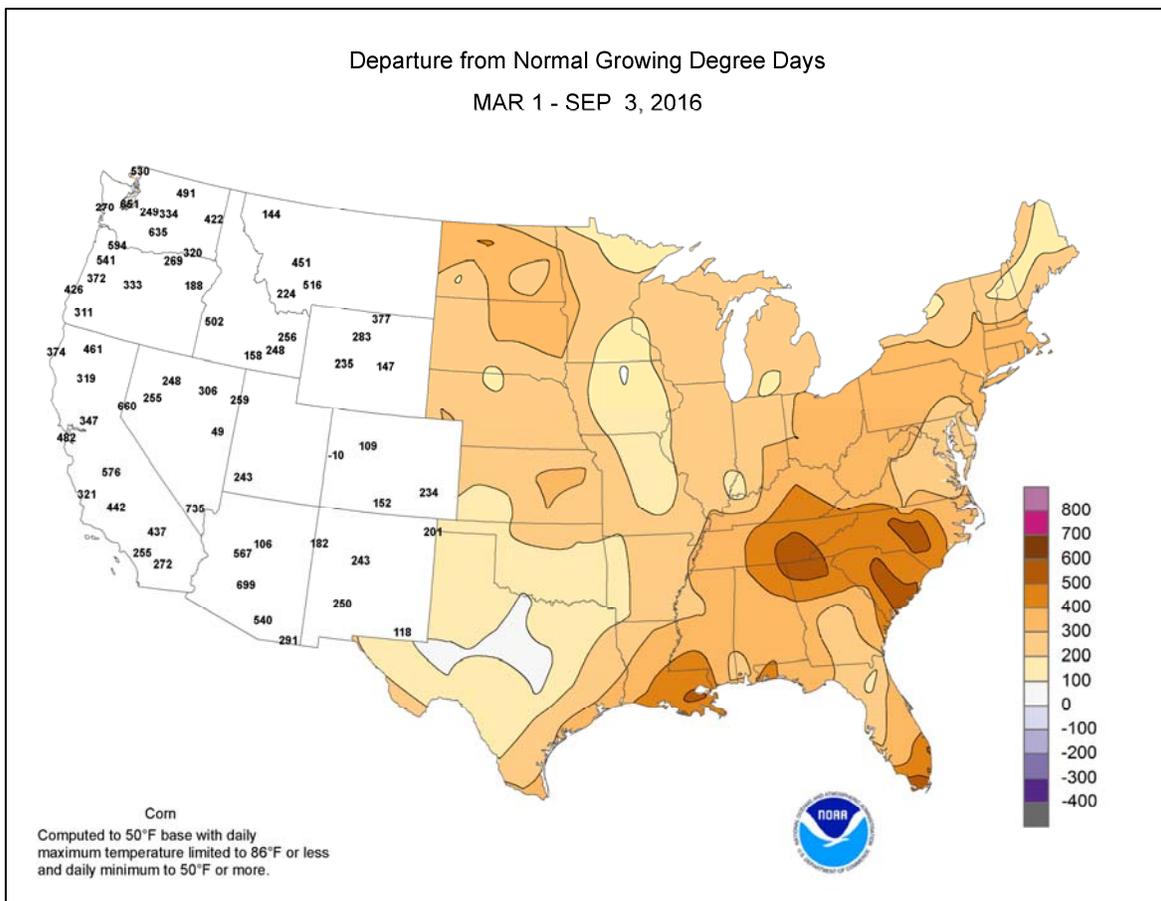
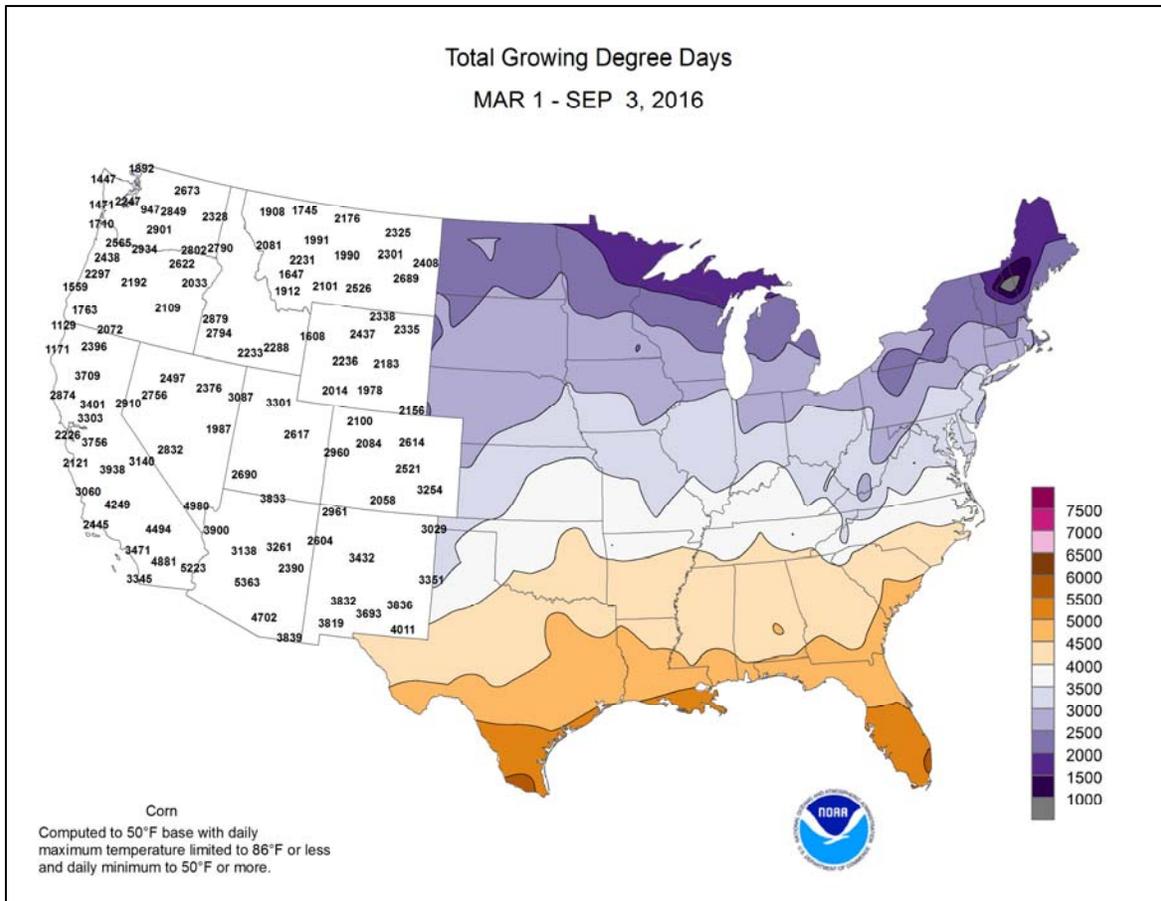
Hurricane Hermine

Heavy Rains and Strong Winds Impacted the Southeast

September 1 - 3, 2016

(Updated - September 7, 2016)





National Weather Data for Selected Cities

Weather Data for the Week Ending September 3, 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 SEP 1	PCT. NORMAL SINCE SEP 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	93	74	96	71	84	6	0.34	-0.47	0.28	0.28	78	35.45	93	85	42	6	0	2	0	
HUNTSVILLE	94	72	97	70	83	6	0.01	-0.84	0.01	0.00	0	32.50	83	85	60	7	0	1	0	
MOBILE	92	74	95	73	83	3	1.18	-0.32	1.04	1.04	160	48.03	101	91	68	7	0	2	1	
MONTGOMERY	94	75	96	74	84	4	0.00	-0.88	0.00	0.00	0	33.21	85	81	44	6	0	0	1	
AK ANCHORAGE	72	48	77	44	60	6	0.00	-0.72	0.00	0.00	0	11.89	128	75	56	0	0	0	0	
BARROW	42	35	51	31	39	2	0.02	-0.17	0.02	0.02	25	3.71	129	92	80	0	1	1	0	
FAIRBANKS	68	45	70	39	57	5	0.00	-0.32	0.00	0.00	0	11.71	167	76	60	0	0	0	0	
JUNEAU	67	46	73	41	57	3	0.09	-1.30	0.08	0.00	0	35.59	110	90	65	0	0	2	0	
KODIAK	69	53	78	45	61	7	0.12	-1.23	0.12	0.12	20	52.13	115	79	66	0	0	1	0	
NOME	65	48	72	45	56	8	0.01	-0.71	0.01	0.00	0	10.27	98	78	67	0	0	1	0	
AZ FLAGSTAFF	75	46	79	41	61	-1	0.06	-0.49	0.06	0.06	26	17.25	112	96	35	0	0	1	0	
PHOENIX	105	82	107	77	93	3	0.00	-0.15	0.00	0.00	0	4.05	78	38	26	7	0	0	0	
PRESCOTT	83	58	88	53	71	2	0.92	0.31	0.72	0.92	368	12.48	92	85	32	0	0	2	1	
TUCSON	99	74	101	66	87	3	0.00	-0.39	0.00	0.00	0	8.60	108	47	28	7	0	0	0	
AR FORT SMITH	89	70	94	61	79	0	1.28	0.60	1.12	1.12	373	27.77	98	91	49	4	0	3	1	
LITTLE ROCK	92	74	96	65	83	4	0.00	-0.76	0.00	0.00	0	45.96	140	82	44	5	0	0	0	
CA BAKERSFIELD	94	69	96	66	82	2	0.00	-0.02	0.00	0.00	0	4.10	87	50	31	7	0	0	0	
FRESNO	94	64	97	62	79	1	0.00	-0.01	0.00	0.00	0	9.08	115	62	36	7	0	0	0	
LOS ANGELES	76	66	80	63	71	0	0.00	-0.05	0.00	0.00	0	6.00	62	85	67	0	0	0	0	
REDDING	93	63	95	60	78	1	0.00	-0.06	0.00	0.00	0	30.63	138	50	30	7	0	0	0	
SACRAMENTO	88	58	92	55	73	-1	0.00	-0.04	0.00	0.00	0	12.75	106	82	25	2	0	0	0	
SAN DIEGO	75	66	79	63	71	-2	0.00	-0.03	0.00	0.00	0	5.01	65	86	73	0	0	0	0	
SAN FRANCISCO	70	58	73	55	64	0	0.00	-0.03	0.00	0.00	0	12.44	92	81	67	0	0	0	0	
STOCKTON	90	58	93	53	74	-1	0.00	-0.03	0.00	0.00	0	12.12	133	79	47	4	0	0	0	
CO ALAMOSA	76	43	79	34	60	1	0.13	-0.11	0.06	0.06	60	6.01	121	92	55	0	0	4	0	
CO SPRINGS	78	55	85	52	67	2	1.47	0.89	0.95	0.00	0	14.44	99	88	35	0	0	2	2	
DENVER INTL	85	57	90	51	71	4	0.00	-0.26	0.00	0.00	0	10.73	98	76	26	1	0	0	0	
GRAND JUNCTION	87	60	91	55	74	3	0.16	-0.01	0.16	0.16	229	6.39	108	63	38	2	0	1	0	
PUEBLO	88	60	96	55	74	4	0.12	-0.25	0.08	0.00	0	10.32	102	77	47	2	0	2	0	
CT BRIDGEPORT	83	68	91	63	76	5	0.63	-0.20	0.63	0.63	175	25.39	84	77	56	1	0	1	1	
HARTFORD	83	60	89	56	71	2	0.35	-0.60	0.35	0.35	85	22.69	74	85	55	0	0	1	0	
DC WASHINGTON	87	72	94	67	80	5	0.04	-0.76	0.04	0.04	11	24.98	94	79	47	4	0	1	0	
DE WILMINGTON	86	65	94	61	76	3	0.29	-0.54	0.21	0.08	22	29.62	100	89	43	2	0	2	0	
FL DAYTONA BEACH	88	76	92	74	82	1	3.52	1.93	1.85	1.45	210	29.10	88	94	70	2	0	6	3	
JACKSONVILLE	88	74	92	72	81	1	2.79	0.93	1.47	2.29	283	24.65	68	99	67	3	0	6	2	
KEY WEST	88	80	90	77	84	0	0.31	-1.08	0.17	0.00	0	24.89	100	88	77	1	0	3	0	
MIAMI	89	77	93	74	83	0	2.81	0.59	0.98	0.00	0	47.02	120	95	71	3	0	4	3	
ORLANDO	88	75	92	74	82	-1	2.62	1.12	0.87	0.90	138	42.63	119	94	78	2	0	7	1	
PENSACOLA	89	79	93	78	84	3	0.23	-1.25	0.20	0.23	37	45.71	98	84	58	4	0	2	0	
TALLAHASSEE	91	77	96	75	84	2	2.51	1.08	1.34	2.19	359	49.51	104	93	74	5	0	4	2	
TAMPA	87	76	95	75	82	-1	8.74	6.92	3.87	2.95	378	49.40	151	93	73	3	0	7	6	
WEST PALM BEACH	89	77	91	74	83	0	3.64	1.74	2.03	0.99	118	35.18	88	85	69	4	0	6	2	
GA ATHENS	88	68	92	60	78	1	0.18	-0.62	0.18	0.18	53	31.15	92	96	72	5	0	1	0	
ATLANTA	89	73	92	69	81	4	2.66	1.81	1.63	2.66	719	31.79	90	85	62	5	0	2	2	
AUGUSTA	90	68	98	62	79	1	5.35	4.38	4.20	4.24	1034	30.82	95	96	68	4	0	4	2	
COLUMBUS	91	72	94	69	82	2	0.00	-0.74	0.00	0.00	0	27.92	79	84	45	6	0	0	0	
MACON	91	69	97	66	80	1	0.39	-0.44	0.39	0.39	111	24.62	76	92	51	5	0	1	0	
SAVANNAH	89	72	94	66	81	1	3.81	2.25	2.48	3.28	497	37.65	102	89	64	3	0	5	2	
HI HILO	84	72	86	69	78	2	6.62	4.35	2.77	2.67	272	68.63	83	92	81	0	0	6	3	
HONOLULU	88	77	90	75	82	0	0.07	0.01	0.06	0.01	50	8.54	83	74	66	1	0	2	0	
KAHULUI	89	74	91	70	82	3	0.28	0.20	0.09	0.07	175	9.91	82	83	72	3	0	5	0	
LIHUE	87	76	88	74	82	2	0.25	-0.18	0.17	0.03	16	10.91	47	77	68	0	0	4	0	
ID BOISE	85	60	94	51	73	3	0.00	-0.12	0.00	0.00	0	4.97	62	47	31	4	0	0	0	
LEWISTON	85	58	96	52	71	1	0.02	-0.15	0.02	0.02	29	9.65	110	52	35	3	0	1	0	
POCATELLO	87	50	97	44	69	4	0.04	-0.12	0.04	0.04	57	7.29	85	60	25	4	0	1	0	
IL CHICAGO/O'HARE	79	65	86	56	72	3	0.62	-0.39	0.43	0.00	0	26.97	107	86	59	0	0	2	0	
MOLINE	83	62	89	54	72	2	0.94	0.00	0.87	0.00	0	29.41	107	91	63	0	0	3	1	
PEORIA	82	64	89	58	73	2	1.08	0.39	0.76	0.00	0	24.91	99	99	60	0	0	2	1	
ROCKFORD	81	62	88	56	72	4	0.81	-0.15	0.67	0.00	0	26.43	101	90	62	0	0	2	1	
SPRINGFIELD	84	65	92	58	74	2	2.33	1.61	1.77	0.00	0	35.86	143	94	56	2	0	2	2	
IN EVANSVILLE	88	66	94	58	77	3	0.00	-0.71	0.00	0.00	0	38.46	124	90	59	4	0	0	0	
FORT WAYNE	83	62	90	55	72	3	0.77	0.00	0.77	0.00	0	23.81	93	91	54	1	0	1	1	
INDIANAPOLIS	85	65	91	57	75	4	0.72	-0.04	0.72	0.00	0	35.05	121	91	51	3	0	1	1	
SOUTH BEND	80	60	85	50	70	2	0.36	-0.59	0.22	0.00	0	34.42	130	94	66	0	0	2	0	
IA BURLINGTON	83	64	90	57	73	1	0.00	-0.85	0.00	0.00	0	24.01	89	98	56	1	0	0	0	
CEDAR RAPIDS	81	60	87	51	70	1	0.07	-0.87	0.05	0.00	0	30.39	124	100	61	0	0	2	0	
DES MOINES	83	65	90	58	74	3	1.04	0.10	0.62	0.00	0	25.40	98	88	63	1	0	2	1	
DUBUQUE																				

Weather Data for the Week Ending September 3, 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 SEP 1	PCT. NORMAL SINCE SEP 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	
KY WICHITA	86	68	91	61	77	0	0.04	-0.63	0.04	0.00	0	36.35	164	88	65	2	0	1	0	
JACKSON	85	64	90	57	75	3	0.38	-0.53	0.38	0.00	0	41.00	119	93	54	1	0	1	0	
LEXINGTON	87	65	92	57	76	3	0.01	-0.73	0.01	0.00	0	35.02	106	89	58	4	0	1	0	
LOUISVILLE	89	69	96	62	79	4	0.03	-0.66	0.02	0.00	0	33.68	107	84	43	4	0	2	0	
PADUCAH	88	66	93	58	77	3	0.00	-0.70	0.00	0.00	0	41.74	124	94	52	4	0	0	0	
LA BATON ROUGE	93	75	96	72	84	3	1.13	-0.16	0.70	0.00	0	74.11	165	95	53	7	0	3	1	
LAKE CHARLES	92	75	97	72	84	3	1.16	-0.17	1.16	0.00	0	56.99	147	92	56	5	0	1	1	
NEW ORLEANS	95	82	98	81	89	7	0.20	-1.35	0.20	0.20	30	55.65	121	80	61	7	0	1	0	
SHREVEPORT	93	74	95	68	84	3	0.00	-0.59	0.00	0.00	0	50.66	146	91	52	5	0	0	0	
ME CARIBOU	73	53	79	50	63	3	0.63	-0.24	0.40	0.15	41	31.26	124	90	58	0	0	5	0	
PORTLAND	80	58	86	53	69	5	0.00	-0.69	0.00	0.00	0	23.53	80	85	45	0	0	0	0	
MD BALTIMORE	86	67	93	64	77	5	0.09	-0.79	0.09	0.09	24	31.18	109	85	57	3	0	1	0	
MA BOSTON	78	65	90	60	72	2	0.02	-0.78	0.02	0.02	6	20.28	73	85	53	1	0	1	0	
WORCESTER	77	60	83	55	68	3	0.00	-0.93	0.00	0.00	0	23.38	72	86	47	0	0	0	0	
MI ALPENA	78	51	87	44	65	4	0.71	-0.03	0.71	0.00	0	20.69	105	91	48	0	0	1	1	
GRAND RAPIDS	79	60	85	51	70	3	0.02	-0.99	0.02	0.00	0	31.84	130	90	53	0	0	1	0	
HOUGHTON LAKE	78	51	86	41	64	2	0.88	0.01	0.50	0.00	0	23.61	121	93	59	0	0	2	1	
LANSING	79	59	85	49	69	3	0.22	-0.71	0.17	0.00	0	23.47	110	91	57	0	0	2	0	
MUSKOGON	80	60	85	50	70	4	0.00	-0.94	0.00	0.00	0	25.15	119	89	57	0	0	0	0	
TRAVERSE CITY	79	58	87	49	68	3	0.47	-0.38	0.47	0.47	127	19.10	87	89	49	0	0	1	0	
MN DULUTH	75	55	83	51	65	5	1.73	0.69	1.73	0.00	0	23.90	110	96	69	0	0	1	1	
INT'L FALLS	74	48	80	40	61	1	0.55	-0.21	0.42	0.00	0	20.54	119	97	56	0	0	2	0	
MINNEAPOLIS	80	61	86	57	71	4	1.61	0.77	1.22	0.00	0	26.35	120	86	67	0	0	2	1	
ROCHESTER	79	56	84	51	67	3	0.00	-0.89	0.00	0.00	0	28.31	121	97	72	0	0	0	0	
ST. CLOUD	78	56	86	51	67	4	4.14	3.25	4.08	0.00	0	24.85	124	99	55	0	0	2	1	
MS JACKSON	94	74	96	71	84	4	0.08	-0.67	0.08	0.00	0	53.20	136	89	52	7	0	1	0	
MERIDIAN	95	73	98	72	84	4	0.19	-0.52	0.19	0.19	61	37.54	90	87	60	7	0	1	0	
TUPELO	93	70	95	63	81	3	0.00	-0.66	0.00	0.00	0	35.86	94	87	59	6	0	0	0	
MO COLUMBIA	84	65	91	57	74	1	0.40	-0.43	0.31	0.00	0	28.37	101	95	63	2	0	2	0	
KANSAS CITY	83	65	90	58	74	1	2.49	1.60	1.23	0.00	0	39.43	149	88	54	1	0	3	2	
SAINT LOUIS	88	69	96	61	78	3	0.53	-0.13	0.35	0.00	0	28.47	106	84	54	3	0	2	0	
SPRINGFIELD	86	67	93	59	76	1	0.50	-0.54	0.50	0.00	0	25.66	87	86	58	3	0	1	1	
MT BILLINGS	89	60	99	56	75	9	0.01	-0.20	0.01	0.01	11	7.76	72	55	21	3	0	1	0	
BUTTE	79	44	87	38	62	4	0.11	-0.17	0.11	0.11	92	5.80	59	70	20	0	0	1	0	
CUT BANK	78	47	87	42	63	4	0.00	-0.38	0.00	0.00	0	8.28	81	80	24	0	0	0	0	
GLASGOW	88	58	98	50	73	8	0.00	-0.25	0.00	0.00	0	16.01	180	65	38	3	0	0	0	
GREAT FALLS	86	50	97	41	68	6	0.00	-0.35	0.00	0.00	0	9.30	80	67	18	3	0	0	0	
HAVRE	85	55	95	42	70	7	0.22	-0.03	0.22	0.00	0	13.50	151	73	37	3	0	1	0	
MISSOULA	82	50	94	41	66	3	0.00	-0.28	0.00	0.00	0	8.23	83	56	39	1	0	0	0	
NE GRAND ISLAND	81	60	90	50	71	1	0.17	-0.50	0.11	0.04	14	19.45	96	96	65	1	0	4	0	
LINCOLN	83	61	93	54	72	0	0.85	0.11	0.46	0.32	100	21.72	102	93	60	1	0	3	0	
NORFOLK	81	60	88	52	70	1	0.00	-0.58	0.00	0.00	0	24.89	119	91	57	0	0	0	0	
NORTH PLATTE	84	60	92	53	72	3	0.04	-0.30	0.02	0.01	7	19.17	119	92	48	1	0	3	0	
OMAHA	83	64	91	59	73	2	1.13	0.41	1.13	0.00	0	26.37	118	87	61	1	0	1	1	
SCOTTSBLUFF	86	57	90	52	71	4	0.00	-0.24	0.00	0.00	0	12.74	99	90	54	3	0	0	0	
VALENTINE	87	60	94	56	73	5	0.51	0.13	0.51	0.00	0	22.54	143	84	65	3	0	1	1	
NV ELY	87	47	91	41	67	5	0.00	-0.19	0.00	0.00	0	8.86	127	45	20	1	0	0	0	
LAS VEGAS	102	80	106	75	91	5	0.00	-0.06	0.00	0.00	0	3.72	114	23	15	7	0	0	0	
RENO	90	56	95	51	73	6	0.00	-0.08	0.00	0.00	0	5.25	106	40	21	4	0	0	0	
WINNEMUCCA	90	46	95	40	68	2	0.00	-0.09	0.00	0.00	0	4.58	82	40	16	4	0	0	0	
NH CONCORD	84	53	88	47	69	4	0.00	-0.72	0.00	0.00	0	18.21	74	89	36	0	0	0	0	
NJ NEWARK	85	69	93	65	77	4	0.21	-0.69	0.21	0.21	54	24.83	78	80	49	2	0	1	0	
NM ALBUQUERQUE	83	61	86	56	72	-2	0.00	-0.32	0.00	0.00	0	3.37	52	73	32	0	0	0	0	
NY ALBANY	80	59	88	54	70	4	0.00	-0.83	0.00	0.00	0	23.43	90	85	47	0	0	0	0	
BINGHAMTON	75	57	83	50	66	2	0.04	-0.79	0.04	0.00	0	23.97	92	93	62	0	0	1	0	
BUFFALO	78	61	84	51	69	3	0.89	-0.09	0.89	0.00	0	18.53	71	86	54	0	0	1	1	
ROCHESTER	79	60	90	51	70	4	0.76	-0.12	0.76	0.00	0	17.65	78	86	63	1	0	1	1	
SYRACUSE	79	57	90	48	68	1	0.00	-0.91	0.00	0.00	0	23.49	90	92	49	1	0	0	0	
NC ASHEVILLE	83	62	86	57	73	3	0.01	-0.98	0.01	0.01	2	28.47	85	91	63	0	0	1	0	
CHARLOTTE	89	68	95	61	78	1	1.30	0.45	0.71	1.25	338	22.80	76	86	43	5	0	3	2	
GREENSBORO	86	69	91	64	77	3	0.09	-0.79	0.09	0.09	23	30.75	103	92	51	3	0	1	0	
HATTERAS	85	75	88	72	80	2	8.15	6.67	5.17	6.34	1006	58.49	154	95	72	0	0	5	4	
RALEIGH	88	68	95	64	78	2	1.58	0.68	1.27	1.58	405	38.29	128	92	65	5	0	3	1	
WILMINGTON	86	72	91	67	79	1	9.00	7.30	7.78	7.86	1077	48.60	119	97	67	3	0	6	2	
ND BISMARCK	85	57	90	44	71	6	0.00	-0.42	0.00	0.00	0	18.54	143	87	55	1	0	0	0	
DICKINSON	86	55	96	50	71	7	0.00	-0.36	0.00	0.00	0	11.94	95	85	26	2	0	0	0	
FARGO	83	57	88	50	70	5	0.00	-0.54	0.00	0.00	0	15.46	99	85	46	0	0	0	0	
GRAND FORKS	82	55	84	48	69	5	0.00	-0.54	0.00	0.00	0	19.02	130	87	45	0	0	0	0	
JAMESTOWN	82	57	86	49	69	4	0.00	-0.43	0.00	0.00	0	18.84	131	92	47	0	0	0	0	
WILLISTON	88	59	96	49	74	11	0.01	-0.29	0.01	0.01	8	11.77	108	70	39	4	0	1	0	
OH AKRON-CANTON	83	61	91	54	72	4	0.51	-0.31	0.51	0.00	0	23.61	88	85	53	1	0	1	1	
CINCINNATI	86	66	93	59	76	4	0.82	0.03	0.82	0.00	0	33.09	109	90	59	3	0	1	1	
CLEVELAND	82	65	90	58	74	6	0.11	-0.82	0.11	0.11	28	23.48	90	78	49	1	0	1	0	
COLUMBUS	83	63	91	57	73	2	1.34	0.58	0.81	0.00	0	28.31	103	88	59	1	0	2	2	
DAYTON	83	63	89	53	73	3	0.40	-0.33	0.40	0.00	0	26.52	94	92	52	0	0	1	0	
MANSFIELD	83	60	90	51	71	4	0.01	-1.01	0.01	0.00	0	23.45	77	95	49	1	0	1	0	

Based on 1971-2000 normals

Weather Data for the Week Ending September 3, 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 SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP	
																		01 INCH OR MORE	50 INCH OR MORE		
OK TOLEDO	81	60	88	53	70	2	0.15	-0.62	0.13	0.00	0	23.13	101	99	67	0	0	2	0		
OK YOUNGSTOWN	80	58	89	53	69	3	1.52	0.65	1.52	0.00	0	28.41	109	93	57	0	0	1	1		
OK OKLAHOMA CITY	90	69	94	63	80	2	0.31	-0.38	0.31	0.00	0	19.94	81	90	47	4	0	1	0		
OR TULSA	90	69	96	59	80	1	0.27	-0.60	0.15	0.15	38	20.85	74	96	70	4	0	4	0		
OR ASTORIA	68	56	71	51	62	2	0.69	0.25	0.34	0.57	285	41.46	109	89	73	0	0	4	0		
OR BURNS	80	40	88	29	60	0	0.00	-0.08	0.00	0.00	0	4.39	63	59	32	0	1	0	0		
OR EUGENE	77	52	87	44	65	0	0.03	-0.31	0.03	0.03	20	20.99	71	84	63	0	0	1	0		
OR MEDFORD	84	57	96	47	70	0	0.00	-0.16	0.00	0.00	0	10.00	95	64	29	1	0	0	0		
OR PENDLETON	81	55	92	50	68	-1	0.02	-0.12	0.02	0.02	33	7.41	92	59	37	1	0	1	0		
OR PORTLAND	75	57	86	50	66	-1	0.61	0.30	0.54	0.61	436	22.52	105	80	67	0	0	3	1		
OR SALEM	76	54	87	47	65	-1	0.41	0.16	0.21	0.24	218	22.39	98	84	64	0	0	3	0		
PA ALLENTOWN	86	60	91	56	73	4	0.26	-0.78	0.20	0.20	44	27.52	89	84	58	1	0	2	0		
PA ERIE	78	63	85	54	70	1	2.01	0.88	2.01	0.00	0	27.79	103	78	62	0	0	1	1		
PA MIDDLETOWN	86	65	91	61	75	3	0.28	-0.51	0.26	0.02	6	30.80	111	91	45	3	0	2	0		
PA PHILADELPHIA	87	69	93	64	78	4	0.47	-0.40	0.45	0.45	118	25.92	88	82	56	4	0	2	0		
PA PITTSBURGH	83	62	89	57	73	4	0.08	-0.71	0.08	0.00	0	23.14	86	85	43	0	0	1	0		
PA WILKES-BARRE	82	58	87	53	70	2	0.01	-0.80	0.01	0.01	3	21.64	85	90	47	0	0	1	0		
PA WILLIAMSPORT	83	60	90	54	72	4	0.01	-0.86	0.01	0.00	0	24.02	85	86	52	1	0	1	0		
RI PROVIDENCE	82	64	90	60	73	4	0.49	-0.45	0.49	0.49	123	25.94	84	86	55	1	0	1	0		
SC BEAUFORT	88	72	92	66	80	1	5.65	3.96	2.49	4.70	662	31.96	88	96	63	2	0	6	3		
SC CHARLESTON	89	72	91	66	81	2	2.79	1.14	1.98	2.33	333	34.34	92	91	60	4	0	6	1		
SC COLUMBIA	90	71	96	67	80	1	4.94	3.80	3.81	4.57	952	27.52	77	86	69	5	0	4	2		
SD GREENVILLE	88	69	93	61	78	2	0.48	-0.38	0.35	0.39	105	28.61	82	86	46	5	0	3	0		
SD ABERDEEN	85	60	92	53	73	7	0.02	-0.46	0.02	0.00	0	14.07	89	88	61	1	0	1	0		
SD HURON	85	63	92	58	74	7	0.12	-0.29	0.12	0.00	0	15.00	91	88	49	2	0	1	0		
SD RAPID CITY	85	57	91	49	71	4	0.06	-0.22	0.06	0.06	55	10.45	79	91	41	1	0	1	0		
SD SIOUX FALLS	83	59	89	54	71	4	0.00	-0.69	0.00	0.00	0	17.85	96	92	67	0	0	0	0		
TN BRISTOL	87	63	93	54	75	4	0.63	-0.03	0.61	0.61	210	25.57	86	95	48	4	0	2	1		
TN CHATTANOOGA	93	71	95	68	82	5	0.47	-0.43	0.47	0.00	0	23.35	62	84	55	6	0	1	0		
TN KNOXVILLE	91	68	95	61	80	5	0.00	-0.60	0.00	0.00	0	30.62	89	86	39	5	0	0	0		
TN MEMPHIS	93	74	98	65	84	5	0.00	-0.71	0.00	0.00	0	49.81	135	78	42	4	0	0	0		
TN NASHVILLE	91	69	96	63	80	4	0.00	-0.80	0.00	0.00	0	31.61	96	87	46	4	0	0	0		
TX ABILENE	87	69	91	68	78	-2	2.15	1.49	1.20	1.20	429	28.31	181	94	70	1	0	3	2		
TX AMARILLO	79	64	86	63	72	-2	0.97	0.38	0.69	0.00	0	14.90	98	94	62	0	0	2	1		
TX AUSTIN	92	72	95	71	82	-1	0.96	0.42	0.60	0.12	50	45.63	208	92	68	7	0	4	1		
TX BEAUMONT	93	75	98	74	84	2	0.23	-1.08	0.21	0.02	3	52.15	131	92	54	5	0	2	0		
TX BROWNSVILLE	96	76	98	74	86	3	0.21	-0.83	0.21	0.00	0	13.67	85	95	54	7	0	1	0		
TX CORPUS CHRISTI	93	76	96	75	84	1	1.50	0.45	1.13	0.00	0	25.29	125	96	69	6	0	2	1		
TX DEL RIO	90	74	94	73	82	-2	1.52	1.15	0.76	0.08	47	21.96	174	94	70	4	0	4	1		
TX EL PASO	86	68	91	66	77	-2	0.62	0.23	0.23	0.23	135	6.15	103	83	50	2	0	3	0		
TX FORT WORTH	92	74	95	72	83	1	0.08	-0.31	0.08	0.00	0	28.67	123	83	49	6	0	1	0		
TX GALVESTON	90	78	94	74	84	0	2.65	1.39	2.06	0.00	0	40.41	144	94	65	3	0	3	1		
TX HOUSTON	92	76	97	74	84	2	0.13	-0.87	0.12	0.00	0	53.57	170	88	69	5	0	2	0		
TX LUBBOCK	84	65	89	64	75	0	1.85	1.25	0.83	0.16	62	10.09	76	96	71	0	0	6	1		
TX MIDLAND	87	69	92	65	78	0	0.47	0.04	0.17	0.17	89	10.53	110	89	66	1	0	5	0		
TX SAN ANGELO	90	69	93	68	79	0	1.55	0.96	1.55	1.55	596	27.01	199	92	70	4	0	1	1		
TX SAN ANTONIO	90	74	94	72	82	-1	0.19	-0.44	0.11	0.11	41	29.58	136	88	56	4	0	3	0		
TX VICTORIA	90	72	95	70	81	-2	2.92	1.99	1.30	1.30	310	30.27	116	98	76	5	0	4	2		
TX WACO	92	71	95	70	82	-1	0.03	-0.40	0.03	0.00	0	31.99	148	97	72	6	0	1	0		
TX WICHITA FALLS	93	70	95	68	81	0	0.01	-0.66	0.01	0.00	0	22.39	115	91	64	6	0	1	0		
UT SALT LAKE CITY	93	67	98	61	80	8	0.01	-0.19	0.01	0.01	11	8.25	75	37	16	6	0	1	0		
VT BURLINGTON	78	58	87	50	68	3	0.20	-0.73	0.20	0.00	0	19.24	79	84	47	0	0	1	0		
VA LYNCHBURG	85	66	91	64	76	4	0.00	-0.78	0.00	0.00	0	33.12	111	88	51	3	0	0	0		
VA NORFOLK	84	74	91	70	79	3	2.93	1.94	2.22	2.93	681	45.30	139	90	64	1	0	3	1		
VA RICHMOND	87	67	94	64	77	3	0.69	-0.19	0.55	0.69	182	34.13	112	93	62	4	0	2	1		
VA ROANOKE	85	65	91	57	75	3	1.14	0.27	0.81	0.33	87	34.11	114	89	67	3	0	2	1		
WA WASH/DULLES	87	65	94	63	76	4	0.19	-0.71	0.17	0.17	44	28.17	98	80	57	4	0	2	0		
WA OLYMPIA	71	51	82	46	61	-1	0.39	0.00	0.19	0.20	118	27.84	97	89	75	0	0	4	0		
WA QUILLAYUTE	64	53	67	47	58	-1	1.64	0.96	0.72	1.29	430	59.49	101	96	83	0	0	6	2		
WA SEATTLE-TACOMA	70	56	79	53	63	-1	0.23	-0.09	0.15	0.22	157	23.95	115	84	71	0	0	3	0		
WA SPOKANE	78	54	91	45	66	1	0.08	-0.09	0.08	0.08	114	8.88	85	66	29	1	0	1	0		
WA YAKIMA	83	50	93	40	67	2	0.10	0.02	0.10	0.10	250	5.99	121	74	39	2	0	1	0		
WV BECKLEY	80	60	87	50	70	3	0.53	-0.17	0.39	0.39	130	37.45	125	95	65	0	0	2	0		
WV CHARLESTON	88	63	94	53	75	4	0.05	-0.80	0.05	0.00	0	32.54	104	96	42	4	0	1	0		
WV ELKINS	83	55	87	46	69	2	0.03	-0.91	0.03	0.03	8	31.01	94	94	42	0	0	1	0		
WV HUNTINGTON	88	65	93	58	76	4	0.08	-0.65	0.08	0.00	0	36.18	119	91	44	4	0	1	0		
WI EAU CLAIRE	79	54	85	48	67	2	0.06	-1.03	0.06	0.00	0	27.06	114	98	51	0	0	1	0		
WI GREEN BAY	79	56	86	48	67	3	0.00	-0.87	0.00	0.00	0	21.62	105	100	60	0	0	0	0		
WI LA CROSSE	81	60	84	52	70	2	0.00	-0.96	0.00	0.00	0	29.92	125	97	50	0	0	0	0		
WI MADISON	78	58	84	50	68	2	0.13	-0.81	0.13	0.00	0	32.38	134	96	66	0	0	1	0		
WI MILWAUKEE	77	64	85	58	70	2	2.09	1.16	2.09	0.00	0	20.65	84	85	65	0	0	1	1		
WY CASPER	88	50	93	45	69	5	0.00	-0.13	0.00	0.00	0	12.56	132	70	39	1	0	0	0		
WY CHEYENNE	81	52	86	45	66	4	0.05	-0.31	0.05	0.05	33	14.55	118	81	58	0	0	1	0		
WY LANDER	89	55	91	52	72	7	0.01	-0.14	0.01	0.01	14	17.56	187	44	13	2	0	1	0		
WY SHERIDAN	91	53	96	47	72	8	0.01	-0.21	0.01	0.01	10	11.72	111	62	27	5	0	1	0		

Based on 1971-2000 normals

*** Not Available

National Agricultural Summary

August 29 – September 4, 2016

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Warm weather (weekly temperatures averaging more than 8°F above normal in some locations) covered much of the upper Missouri Valley, facilitating the harvest of small grain crops. Conversely, most of the southern Great Plains and Pacific Northwest experienced below-normal temperatures. Late in the week, Hurricane/Tropical

Storm Hermine brought heavy rain and high winds to the southern Atlantic Coast States. Farmers in the central U.S. recorded scattered rainfall, with higher concentrations in parts of Texas and Kansas, where some locations received more than 4 inches of rain. Producers west of the Rocky Mountains received limited to no precipitation during the week.

Corn: By week's end, 96 percent of the nation's corn had reached the dough stage, slightly ahead of last year and 2 percentage points ahead of the 5-year average. Nationally, 76 percent of the corn was at or beyond the dent stage by September 4, five percentage points ahead of last year and 7 points ahead of the 5-year average. Fifteen of the 18 estimating states reported double-digit weekly advances in the percentage of the crop dented. Eighteen percent of this year's crop was reported as mature by September 4, slightly ahead of last year but 2 percentage points behind the 5-year average. Overall, 74 percent of the corn was reported in good to excellent condition, down slightly from last week but 6 percentage points above the same time last year.

Soybeans: Ninety-seven percent of the nation's soybean crop was at or beyond the pod-setting stage by week's end, 2 percentage points ahead of last year but equal to the 5-year average. Pod setting was at least 90 percent complete in all soybean estimating states. By September 4, leaf drop had advanced to 12 percent complete, 3 percentage points behind last year but equal to the 5-year average. Overall, 73 percent of the soybeans were reported in good to excellent condition, unchanged from the previous week but 10 percentage points above the same time last year.

Cotton: By September 4, thirty-three percent of this year's cotton had open bolls, 5 percentage points ahead of last year but equal to the 5-year average. Cotton harvest advanced slowly in Texas and was just 7 percent complete by week's end. Overall, 48 percent of the cotton was reported in good to excellent condition, unchanged from last week but 5 percentage points lower than at the same time last year.

Sorghum: Nationally, 74 percent of the sorghum was at or beyond the coloring stage by September 4, seven percentage

points ahead of last year and 13 points ahead of the 5-year average. Thirty-eight percent of the sorghum was mature by week's end, 6 percentage points ahead of last year and 5 points ahead of the 5-year average. Nationwide, producers had harvested 20 percent of the sorghum crop, 2 percentage points behind last year and 5 points behind the 5-year average. Overall, 66 percent of the sorghum was reported in good to excellent condition, up slightly from last week but 2 percentage points below the same time last year.

Rice: By September 4, rice producers had harvested 35 percent of this year's crop, 3 percentage points ahead of last year and 5 points ahead of the 5-year average. Harvest progress advanced 19 percentage points during the week in Arkansas and 18 points in Mississippi. Overall, 58 percent of the rice was reported in good to excellent condition, down 2 percentage points from last week and 7 points below the same time last year.

Small Grains: Barley producers had harvested 91 percent of this year's crop by week's end, 3 percentage points behind last year but 9 points ahead of the 5-year average. In Montana, the barley harvest remained ahead of normal, despite being somewhat slowed by rain across parts of the state.

Ninety-one percent of the spring wheat was harvested by September 4, slightly behind last year but 16 percentage points ahead of the 5-year average. Harvest remained more than 2 weeks ahead of the 5-year average pace in Montana and North Dakota.

Other Crops: Overall, 64 percent of the peanut crop was reported in good to excellent condition, down 2 percentage points from last week and 7 points below the same time last year. Producers in Georgia have begun digging peanuts on early varieties.

Crop Progress and Condition

Week Ending September 4, 2016

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

Corn Percent Dough				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
CO	91	80	91	91
IL	99	95	97	98
IN	92	95	99	94
IA	96	94	97	93
KS	96	92	94	97
KY	92	88	93	91
MI	90	78	85	87
MN	98	95	98	92
MO	96	97	99	98
NE	93	95	97	96
NC	99	100	100	100
ND	95	84	94	89
OH	93	86	91	91
PA	94	78	89	85
SD	94	91	95	93
TN	99	99	100	99
TX	91	100	100	94
WI	89	85	91	82
18 Sts	95	92	96	94
These 18 States planted 93% of last year's corn acreage.				

Corn Percent Dented				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
CO	68	45	62	53
IL	84	68	83	81
IN	62	62	77	64
IA	71	65	80	71
KS	77	64	80	78
KY	78	74	84	78
MI	47	33	54	47
MN	79	58	77	64
MO	83	79	91	87
NE	70	61	76	73
NC	95	95	97	96
ND	64	41	64	48
OH	61	44	60	56
PA	69	47	63	55
SD	62	45	65	61
TN	91	90	96	93
TX	73	74	82	82
WI	51	50	71	45
18 Sts	71	60	76	69
These 18 States planted 93% of last year's corn acreage.				

Corn Percent Mature				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
CO	5	0	6	5
IL	37	7	22	30
IN	14	8	20	16
IA	8	4	14	17
KS	28	15	26	34
KY	45	33	58	47
MI	2	0	5	4
MN	4	0	7	6
MO	33	21	44	43
NE	9	5	8	13
NC	84	81	91	88
ND	4	1	8	7
OH	9	4	12	7
PA	15	2	11	11
SD	11	5	8	9
TN	41	43	72	51
TX	57	65	66	66
WI	4	3	13	5
18 Sts	17	9	18	20
These 18 States planted 93% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	1	2	21	61	15
IL	1	2	12	58	27
IN	3	5	18	54	20
IA	1	3	13	59	24
KS	2	6	25	56	11
KY	2	5	17	57	19
MI	4	10	28	46	12
MN	1	3	12	58	26
MO	2	5	18	54	21
NE	1	5	20	58	16
NC	3	7	25	49	16
ND	1	4	17	63	15
OH	6	13	36	39	6
PA	5	14	33	38	10
SD	5	13	30	44	8
TN	2	7	24	44	23
TX	2	11	31	45	11
WI	1	2	10	43	44
18 Sts	2	5	19	54	20
Prev Wk	2	5	18	54	21
Prev Yr	3	7	22	49	19

Cotton Percent Bolls Opening				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
AL	45	29	47	28
AZ	61	50	63	65
AR	27	23	53	40
CA	29	4	30	31
GA	43	30	49	40
KS	13	7	11	15
LA	69	63	83	73
MS	55	30	46	47
MO	18	3	17	24
NC	39	20	31	33
OK	13	9	11	21
SC	47	13	22	31
TN	19	17	29	28
TX	20	22	28	29
VA	33	10	18	28
15 Sts	28	23	33	33
These 15 States planted 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	1	4	42	43	10
AZ	4	0	4	52	40
AR	5	6	17	44	28
CA	0	0	30	30	40
GA	4	11	30	45	10
KS	1	2	29	66	2
LA	1	9	37	48	5
MS	1	7	31	45	16
MO	5	14	49	27	5
NC	3	10	32	49	6
OK	0	0	48	47	5
SC	0	1	57	37	5
TN	1	2	16	58	23
TX	4	16	40	33	7
VA	0	4	19	77	0
15 Sts	3	12	37	39	9
Prev Wk	4	12	36	39	9
Prev Yr	2	10	35	44	9

Crop Progress and Condition

Week Ending September 4, 2016

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

Soybeans Percent Setting Pods				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
AR	98	98	99	98
IL	95	94	97	97
IN	98	94	97	97
IA	96	96	98	97
KS	88	82	90	88
KY	89	84	90	88
LA	100	99	100	100
MI	99	92	95	99
MN	100	97	100	98
MS	97	94	95	99
MO	76	84	93	88
NE	98	96	98	99
NC	86	84	91	86
ND	100	98	100	100
OH	99	95	100	99
SD	97	96	98	98
TN	94	91	95	95
WI	97	98	100	96
18 Sts	95	94	97	97
These 18 States planted 95% of last year's soybean acreage.				

Soybeans Percent Dropping Leaves				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
AR	26	15	25	22
IL	9	0	2	6
IN	15	5	11	15
IA	4	0	5	4
KS	9	2	5	9
KY	7	2	7	10
LA	67	38	52	55
MI	4	0	6	4
MN	11	0	6	9
MS	52	21	34	37
MO	2	0	2	4
NE	18	8	16	9
NC	12	5	11	6
ND	40	13	29	26
OH	13	4	9	12
SD	29	14	26	28
TN	12	3	14	11
WI	2	2	5	2
18 Sts	15	5	12	12
These 18 States planted 95% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	8	9	25	43	15
IL	2	4	15	58	21
IN	2	5	18	55	20
IA	1	3	14	58	24
KS	1	4	26	55	14
KY	2	5	19	55	19
LA	5	10	31	49	5
MI	2	7	24	53	14
MN	1	4	16	56	23
MS	1	7	20	46	26
MO	2	4	20	56	18
NE	1	4	18	61	16
NC	1	7	29	50	13
ND	2	5	19	60	14
OH	3	9	33	46	9
SD	3	10	28	50	9
TN	0	4	17	51	28
WI	1	2	12	47	38
18 Sts	2	5	20	55	18
Prev Wk	2	5	20	55	18
Prev Yr	3	8	26	49	14

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	0	51	42	7
FL	0	4	19	68	9
GA	4	9	25	45	17
NC	0	4	16	67	13
OK	0	0	11	86	3
SC	2	5	25	58	10
TX	1	7	34	42	16
VA	0	11	14	75	0
8 Sts	2	6	28	51	13
Prev Wk	1	6	27	52	14
Prev Yr	1	4	24	54	17

Spring Wheat Percent Harvested				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
ID	93	75	82	80
MN	97	88	98	84
MT	90	73	87	70
ND	91	82	91	70
SD	97	91	93	95
WA	100	78	91	86
6 Sts	92	81	91	75
These 6 States harvested 99% of last year's spring wheat acreage.				

Barley Percent Harvested				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
ID	92	85	88	83
MN	97	96	100	91
MT	94	82	89	83
ND	96	90	95	79
WA	100	79	93	88
5 Sts	94	86	91	82
These 5 States harvested 86% of last year's barley acreage.				

Crop Progress and Condition

Week Ending September 4, 2016

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

Sorghum Percent Coloring				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
AR	99	99	100	98
CO	42	39	61	47
IL	79	73	79	77
KS	61	50	69	46
LA	100	100	100	100
MO	78	57	77	67
NE	62	74	89	60
NM	17	29	37	15
OK	70	51	56	59
SD	67	53	79	71
TX	76	78	80	79
11 Sts	67	62	74	61
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Mature				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
AR	86	90	99	76
CO	5	1	3	9
IL	17	20	25	16
KS	7	3	9	6
LA	98	97	100	98
MO	20	7	17	20
NE	2	2	12	1
NM	0	2	6	0
OK	22	17	27	22
SD	3	8	19	6
TX	65	74	76	73
11 Sts	32	33	38	33
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
AR	47	18	53	40
CO	0	0	0	0
IL	0	0	0	1
KS	1	0	0	1
LA	83	80	90	88
MO	4	0	0	2
NE	0	0	0	0
NM	0	0	0	0
OK	4	1	9	6
SD	0	0	0	0
TX	51	47	49	60
11 Sts	22	18	20	25
These 11 States harvested 98% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
AR	5	18	33	37	7
CO	0	5	27	60	8
IL	2	5	22	63	8
KS	1	3	22	59	15
LA	0	15	30	43	12
MO	0	2	28	60	10
NE	0	0	16	64	20
NM	0	2	75	22	1
OK	0	1	31	65	3
SD	0	3	41	54	2
TX	2	7	33	43	15
11 Sts	1	5	28	53	13
Prev Wk	1	5	29	52	13
Prev Yr	2	5	25	56	12

Rice Percent Harvested				
	Prev Year	Prev Week	Sep 4 2016	5-Yr Avg
AR	26	12	31	22
CA	1	0	1	1
LA	88	70	77	82
MS	31	10	28	29
MO	1	2	18	6
TX	76	82	88	83
6 Sts	32	22	35	30
These 6 States harvested 100% of last year's rice acreage.				

Rice Condition by Percent					
	VP	P	F	G	EX
AR	10	14	31	33	12
CA	0	0	15	75	10
LA	6	11	30	50	3
MS	0	2	22	48	28
MO	1	3	25	50	21
TX	3	4	25	55	13
6 Sts	6	9	27	46	12
Prev Wk	5	8	27	47	13
Prev Yr	2	5	28	48	17

Crop Progress and Condition

Week Ending September 4, 2016

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

Pasture and Range Condition by Percent Week Ending Sep 4, 2016												
	VP	P	F	G	EX		VP	P	F	G	EX	
AL	8	12	29	47	4		NH	26	42	27	5	0
AZ	11	14	32	35	8		NJ	0	6	45	43	6
AR	1	6	33	45	15		NM	2	22	46	26	4
CA	20	20	25	30	5		NY	5	12	40	37	6
CO	3	6	25	58	8		NC	3	13	37	42	5
CT	5	64	31	0	0		ND	6	12	29	49	4
DE	7	18	38	31	6		OH	8	17	33	36	6
FL	3	4	24	55	14		OK	2	8	41	43	6
GA	10	23	38	26	3		OR	30	24	26	17	3
ID	7	25	34	30	4		PA	20	19	36	22	3
IL	1	2	15	58	24		RI	10	55	35	0	0
IN	2	6	24	58	10		SC	4	20	30	43	3
IA	2	7	28	52	11		SD	8	20	35	36	1
KS	1	4	23	60	12		TN	4	12	37	40	7
KY	1	5	20	63	11		TX	3	8	31	41	17
LA	3	13	35	45	4		UT	2	10	42	40	6
ME	35	15	21	23	6		VT	0	31	50	19	0
MD	1	11	36	45	7		VA	2	12	37	44	5
MA	38	50	12	0	0		WA	10	16	25	45	4
MI	7	16	31	37	9		WV	3	19	30	44	4
MN	1	6	17	59	17		WI	1	3	17	55	24
MS	1	7	31	53	8		WY	11	18	31	35	5
MO	0	3	31	56	10		48 Sts	5	11	31	44	9
MT	15	21	34	25	5							
NE	3	9	24	55	9		Prev Wk	5	11	31	45	8
NV	20	20	35	25	0		Prev Yr	5	14	33	41	7

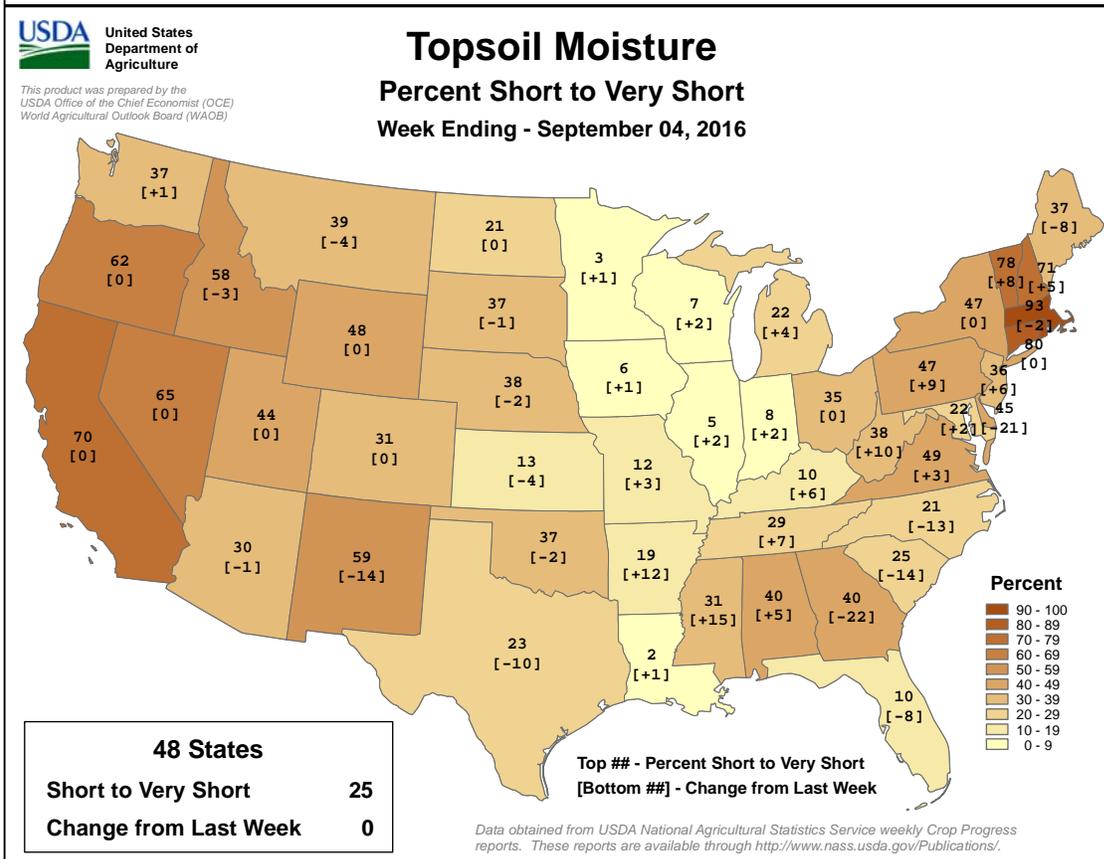
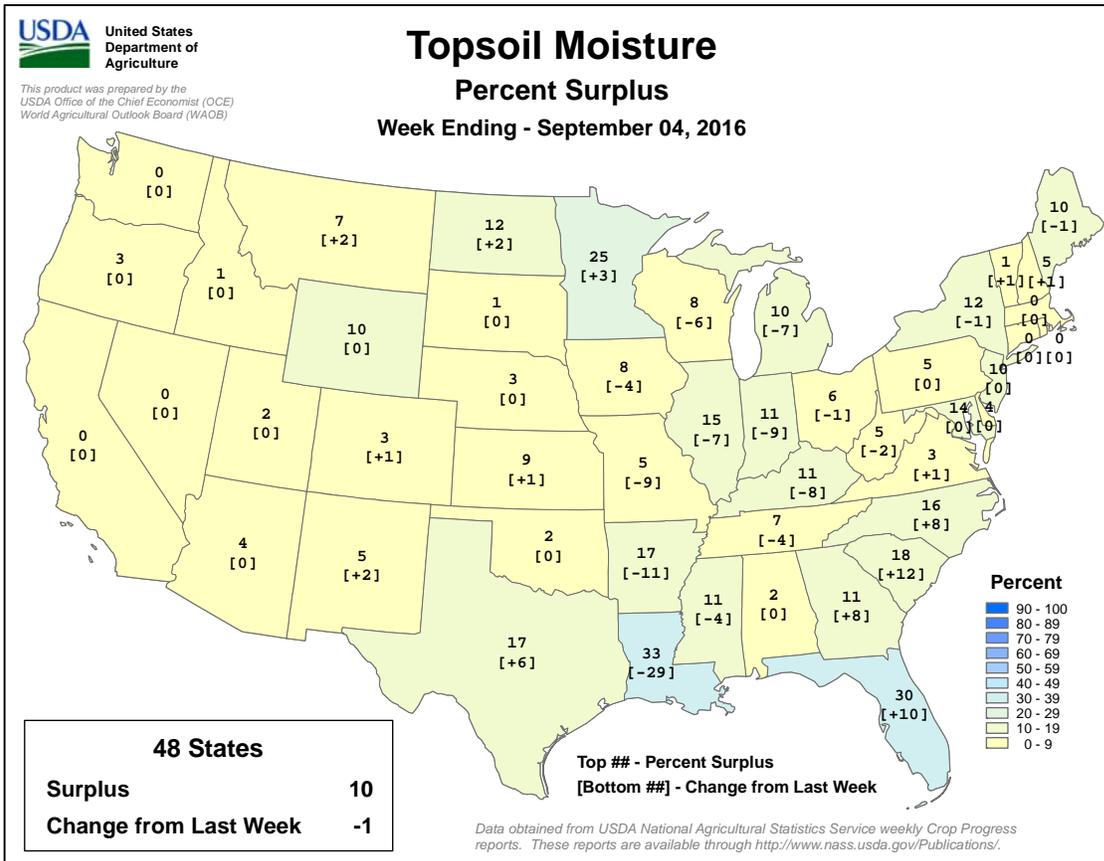
VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
* Revised

Crop Progress and Condition

Week Ending September 4, 2016

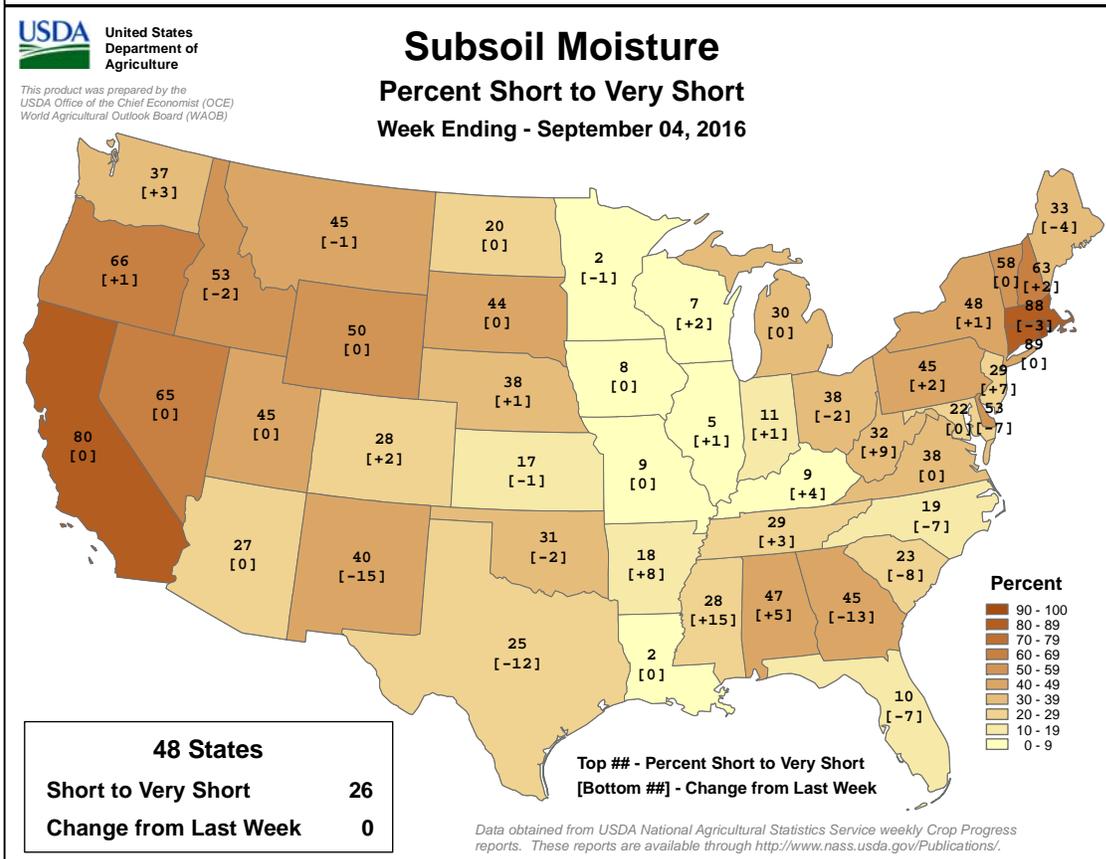
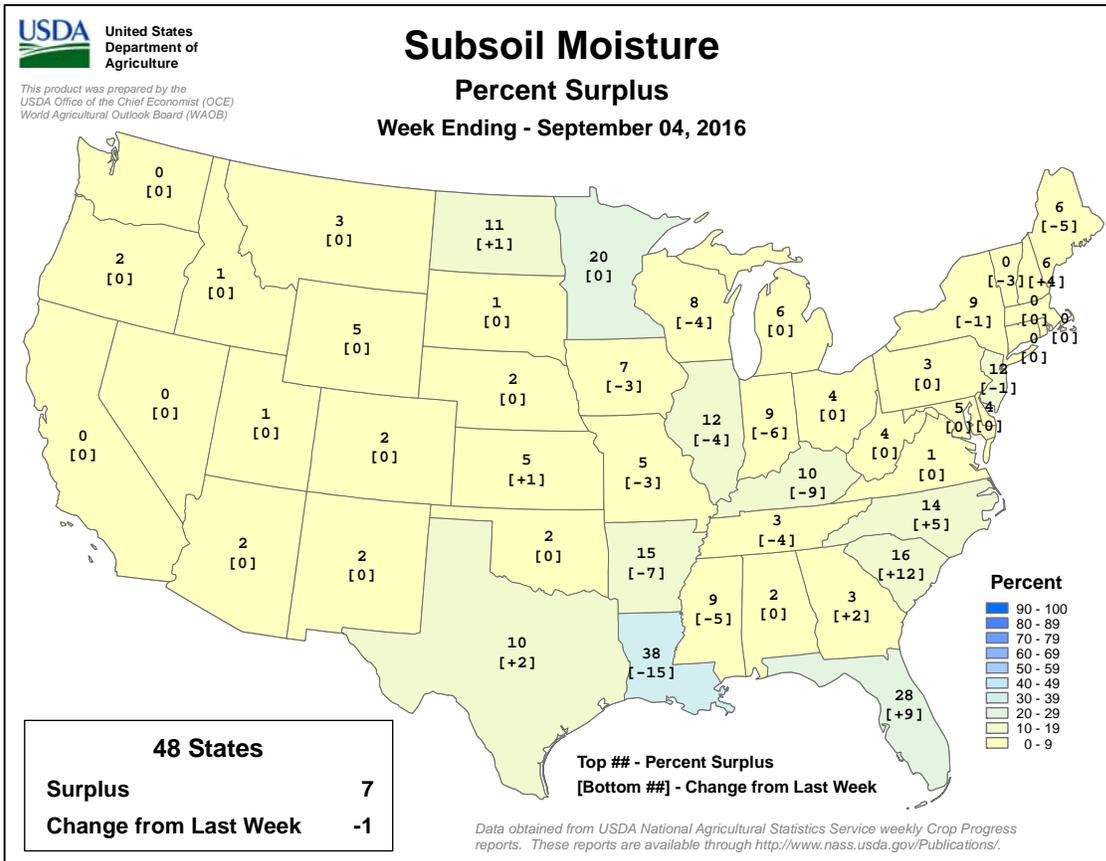
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending September 4, 2016

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



International Weather and Crop Summary

August 28 - September 3, 2016

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

EUROPE: Dry, warm weather promoted summer crop maturation and harvesting as well as winter crop sowing.

FSU-WESTERN: Despite some showers, mostly sunny, warm weather accelerated summer crop harvesting and winter wheat planting.

FSU-EASTERN: Generally dry conditions favored spring wheat maturation and harvesting.

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

SOUTH ASIA: Monsoon showers continued to keep soybeans unfavorably wet in central India, while unseasonably dry weather prevailed in western cotton areas.

EAST ASIA: Typhoon Lionrock brought heavy showers to northern portions of the region.

SOUTHEAST ASIA: Monsoon showers kept rice well watered in most areas.

AUSTRALIA: Moderate to heavy rain in the south and east increased moisture supplies but caused local flooding.

ARGENTINA: Mostly dry weather supported late corn harvesting.

BRAZIL: Rain kept maturing wheat unfavorably wet in southern production areas.

MEXICO: Tropical moisture contributed to a surge of monsoon showers.

CANADIAN PRAIRIES: Warm, mostly dry weather favored harvesting of spring crops.

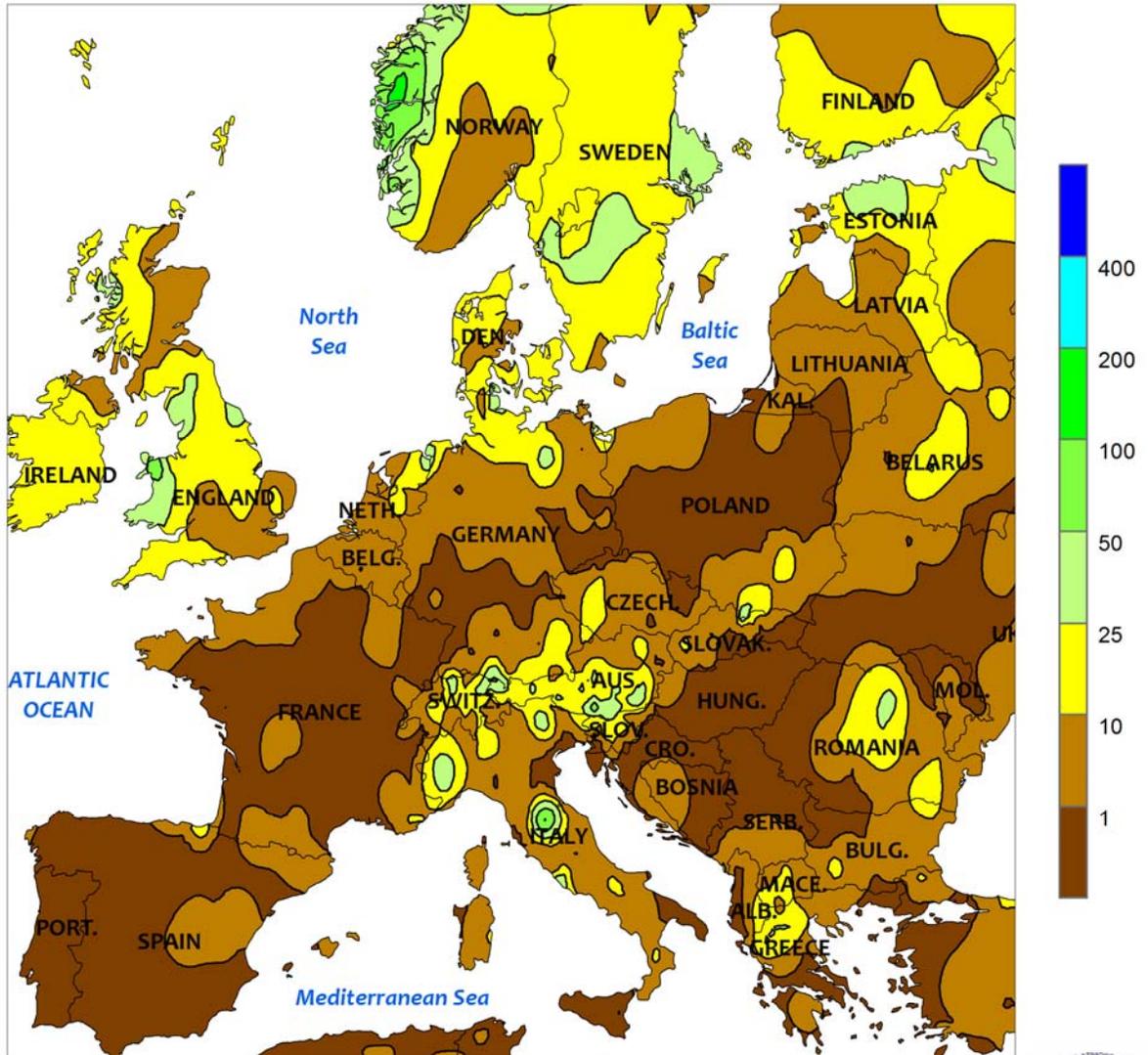
SOUTHEASTERN CANADA: Warm, mostly dry weather hastened maturation of corn and soybeans, while promoting the early stages of winter wheat planting.

August 2016

COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	DEP NRM	DEP TOT	DEP NRM
ALGERI	ALGER	30	16	35	8	23	1.2	0	-10
	BATNA	33	14	40	8	23	0.3	1	-15
ARGENT	IGUAZU	20	9	29	0	14	-1.7	31	-136
	FORMOSA	20	8	28	-1	14	-3.3	40	-26
	CERES	18	5	24	0	11	-1.4	23	-9
	CORDOBA	16	2	21	-4	9	-2.2	63	50
	RIO CUARTO	14	3	20	-2	9	-1	34	15
	ROSARIO	15	4	20	-2	10	-0.8	58	20
	BUENOS AIRES	14	4	18	-1	9	-1.1	23	-31
	SANTA ROSA	14	2	18	-2	8	-0.1	28	8
	TRES ARROYOS	13	3	16	-4	8	0.2	67	32
AUSTRALIA	DARWIN	32	23	34	18	28	2.5	0	-2
	BRISBANE	21	13	24	5	17	1	164	110
	PERTH	19	9	25	3	14	-0.5	83	-65
	CEDUNA	17	8	22	2	12	0.3	17	-12
	ADELAIDE	16	10	20	4	13	1.1	48	-8
	MELBOURNE	14	7	17	1	10	0.4	46	7
	WAGGA	13	7	17	-1	10	1.5	67	20
	CANBERRA	12	4	15	-5	8	1.5	117	79
AUSTRI	VIENNA	25	14	32	8	20	1.6	238	175
	INNSBRUCK	24	13	34	10	18	2.1	310	195
BAHAMA	NASSAU	32	24	36	21	28	1.1	232	54
BARBAD	BRIDGETOWN	30	25	31	23	28	0.1	90	8
BELARU	MINSK	24	13	32	6	19	2.5	58	-27
BERMUD	ST GEORGES	27	23	29	21	25	-0.1	132	10
BOLIVI	LA PAZ	15	-4	17	-9	6	0	3	-3
BRAZIL	FORTALEZA	30	25	31	23	28	0.5	42	-62
	RECIFE	29	23	30	22	26	-0.4	131	-171
	CAMPO GRANDE	25	15	30	6	20	-1.6	245	207
	FRANCA	24	14	27	7	19	0.1	66	41
	RIO DE JANEIRO	23	17	30	13	20	-1.5	60	9
	LONDRINA	23	11	27	3	17	0	120	12
	SANTA MARIA	17	7	22	0	12	-2.5	5	-182
	TORRES	17	8	20	2	12	-6.8	14	-130
BULGAR	SOFIA	26	15	34	10	21	2	76	5
BURKIN	OUAGADOUGOU	36	26	41	22	31	1.1	95	-12
CANADA	TORONTO	26	14	35	7	20	2.2	26	-48
	MONTREAL	25	14	33	8	19	1.1	67	-16
	WINNIPEG	23	12	30	4	17	0.2	0	-85
	REGINA	24	11	31	4	17	0.7	0	-73
	SASKATOON	24	10	29	4	17	1.2	0	-58
	LETHBRIDGE	***	***	***	***	***	*****	*****	*****
	CALGARY	23	10	31	4	16	2.5	62	-18
	VANCOUVER	20	12	25	8	16	1	58	4
CANARY	LAS PALMAS	27	21	31	19	24	2.3	0	0
CHILE	SANTIAGO	16	3	23	0	9	0.6	37	-32
CHINA	HARBIN	25	16	32	12	21	0.2	221	144
	HAMI	35	19	39	14	27	2.1	7	0
	BEIJING	31	20	38	16	26	0.9	75	-4
	TIENTSIN	31	20	37	16	26	0.7	81	12
	LHASA	22	11	25	3	16	0.2	128	55
	KUNMING	25	18	28	14	21	1.2	133	-48
	CHENGCHOW	32	22	38	18	27	1.2	125	63
	YEHCHANG	28	21	36	16	24	0.1	240	93
	HANKOW	29	21	36	16	25	-0.9	472	249
	CHUNGKING	31	23	38	21	27	1.3	338	166
	CHIHKIANG	30	22	36	18	26	1.3	143	-67
	WU HU	28	21	36	17	25	-0.5	418	222
	SHANGHAI	28	22	35	17	25	0.6	207	34
	NANCHANG	31	24	37	19	27	1.6	389	82
	TAIPEI	34	27	38	25	30	2.3	397	68
	CANTON	33	25	36	22	29	1.2	526	250
	NANNING	34	26	39	22	30	1.6	347	140
COLOMB	BOGOTA	19	9	22	6	14	0.5	209	143
COTE D	ABIDJAN	30	25	32	22	27	0.7	325	-175
CUBA	HAVANA	31	23	33	21	27	0.4	3	-141
CYPRUS	LARNACA	32	21	38	17	27	2.1	0	-2
CZECHR	PRAGUE	23	12	32	8	18	2	81	9
DENMAR	COPENHAGEN	21	14	27	8	17	2.6	21	-31
EGYPT	CAIRO	37	25	43	22	31	3.3	0	*****

Based on Preliminary Reports

EUROPE
Total Precipitation (mm)
AUG 28 - SEP 3, 2016



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

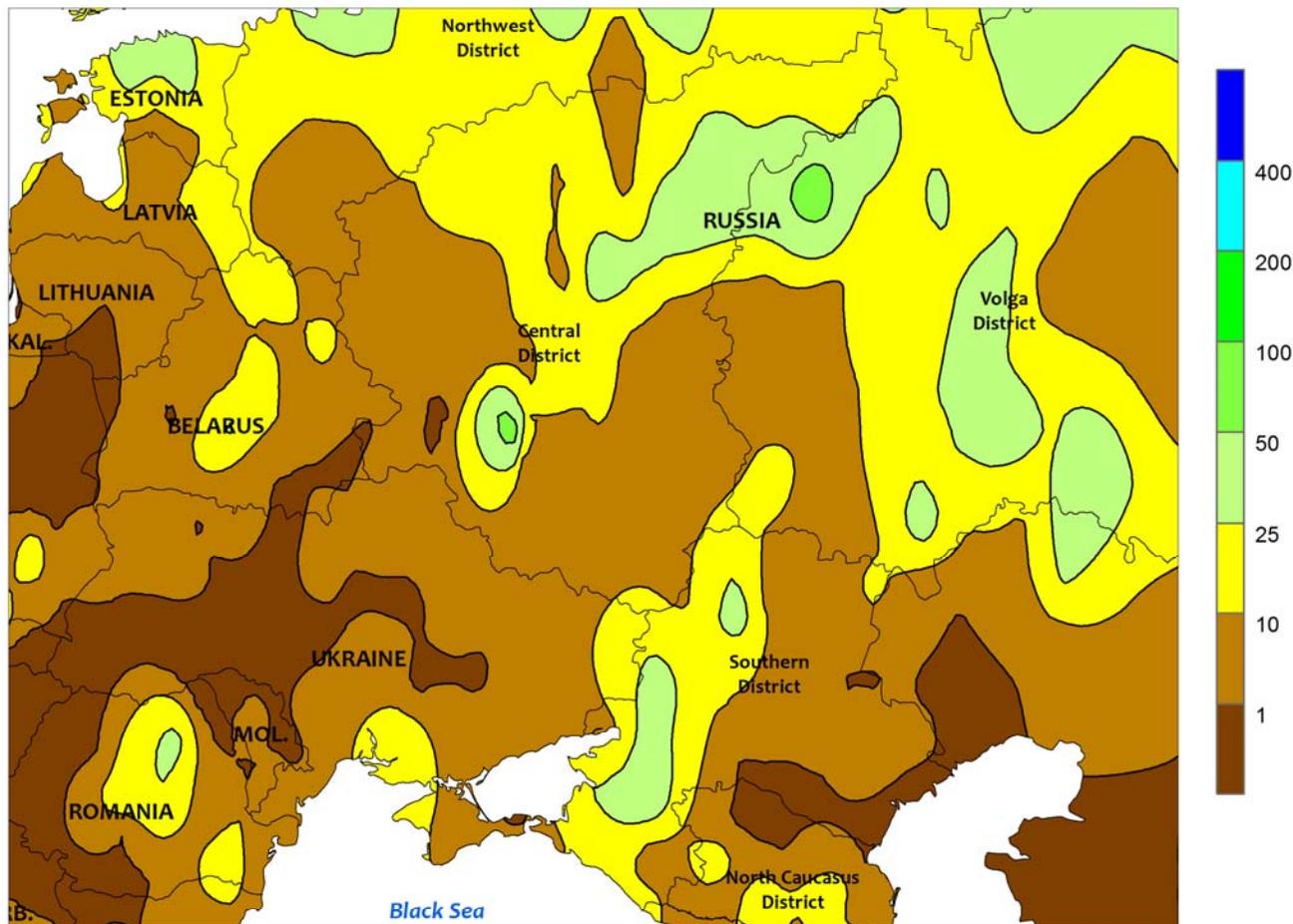


EUROPE

Mostly dry weather accelerated summer crop drydown and harvesting as well as other seasonal fieldwork. Sunny skies and above-normal temperatures (2-4°C above normal) favored drydown and harvesting of corn, soybeans, sunflowers, and spring grains from Spain and France into Poland, Italy, and the Balkans. Likewise, winter rapeseed planting proceeded without delay in France and Germany. However, drier-than-normal conditions over the past 60

days (locally less than 25 percent of normal) in Spain, France, and parts of northern Germany have reduced soil moisture for winter crop planting and emergence. Farther north, dry conditions (less than 10 mm) in southeastern England promoted spring grain maturation and seasonal fieldwork, while showers (10-40 mm) across Ireland and the remainder of the United Kingdom slowed summer crop drydown and harvesting.

WESTERN FSU
Total Precipitation (mm)
AUG 28 - SEP 3, 2016



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

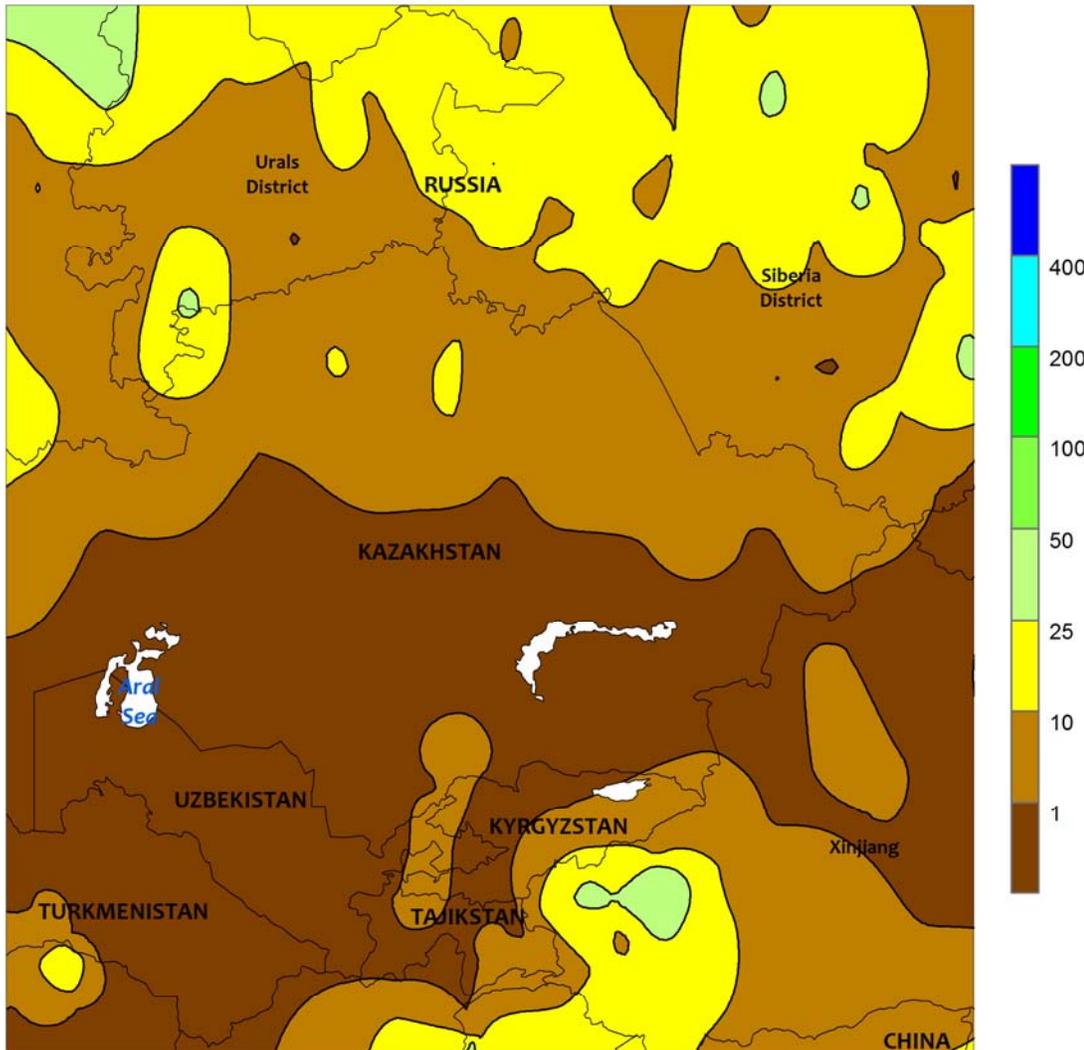


WESTERN FSU

Mostly sunny, warm weather accelerated summer crop maturation and harvesting. Nevertheless, showers and thunderstorms (10-50 mm) caused localized harvest delays in Belarus as well as southern and central Russia, though rainfall was not widespread or persistent enough to cause significant

fieldwork interruptions. Temperatures for the week averaged 2 to 5°C above normal, which coupled with generally sunny skies promoted harvesting of corn, soybeans, and sunflowers in Moldova, Ukraine, and Russia. Winter wheat sowing likewise proceeded rapidly over Ukraine and much of southern Russia.

EASTERN FSU
Total Precipitation (mm)
AUG 28 - SEP 3, 2016



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

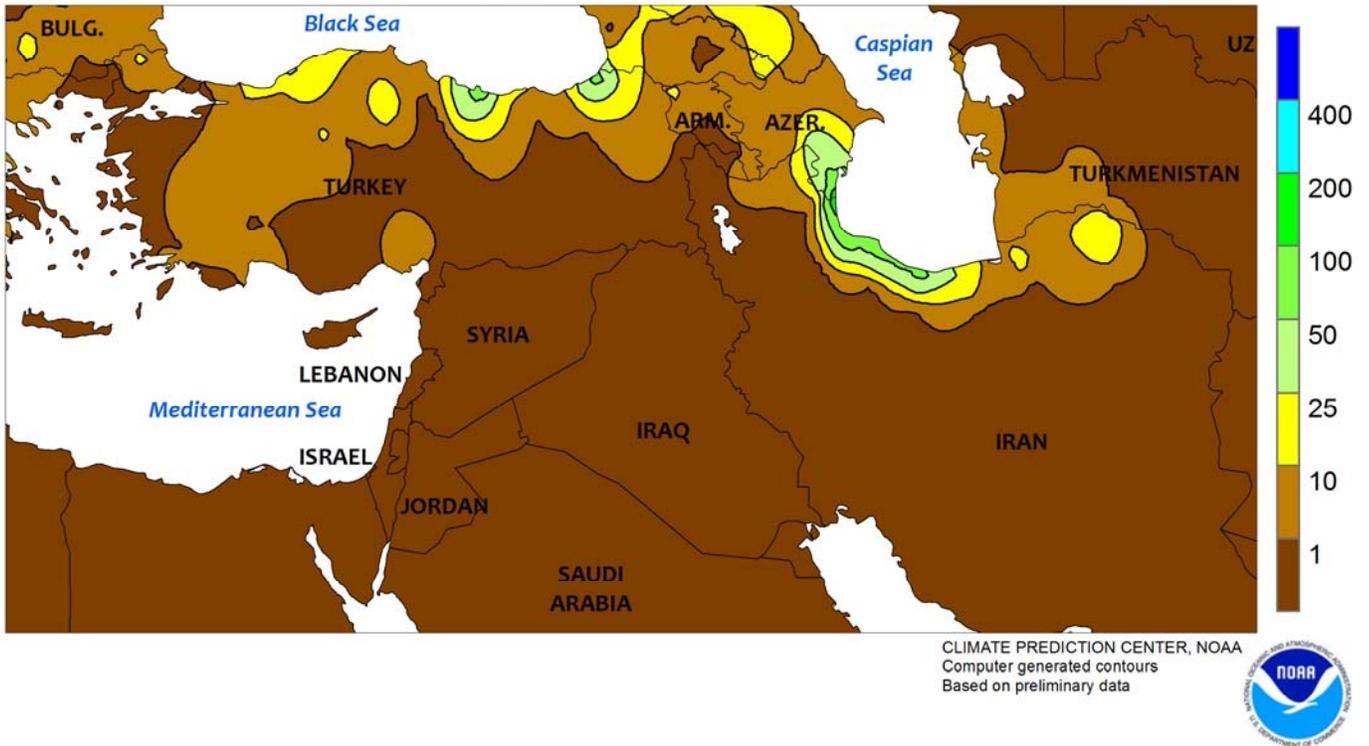


EASTERN FSU

Dry, warm weather accelerated spring wheat drydown and harvesting in the north as well as cotton maturation in the south. Spring wheat is typically harvested in late August and early September over northern Kazakhstan and neighboring portions of central Russia, and the recent spell of dry, warm

weather has allowed crops to mature and producers to begin the harvest without delay. 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 28 - SEP 3, 2016

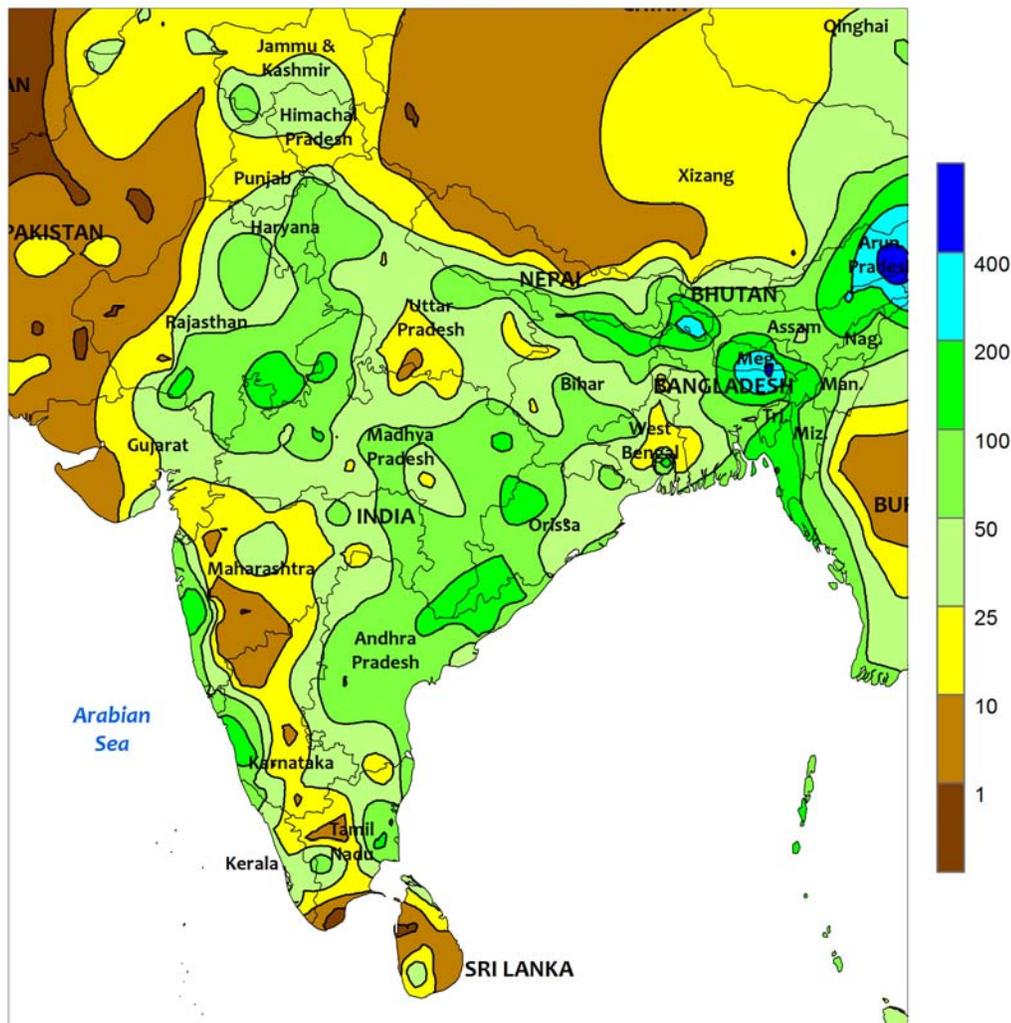


MIDDLE EAST

Seasonably dry, hot weather promoted summer crop maturation and harvesting. In Turkey, sunflower harvesting was likely nearing completion, while the corn harvest begins in August and peaks in September.

Cotton harvesting typically starts in early September and gains momentum in October. Winter grains are planted in mid-autumn, concurrent with the seasonal arrival of cooler weather.

SOUTH ASIA
 Total Precipitation (mm)
 AUG 28 - SEP 3, 2016



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

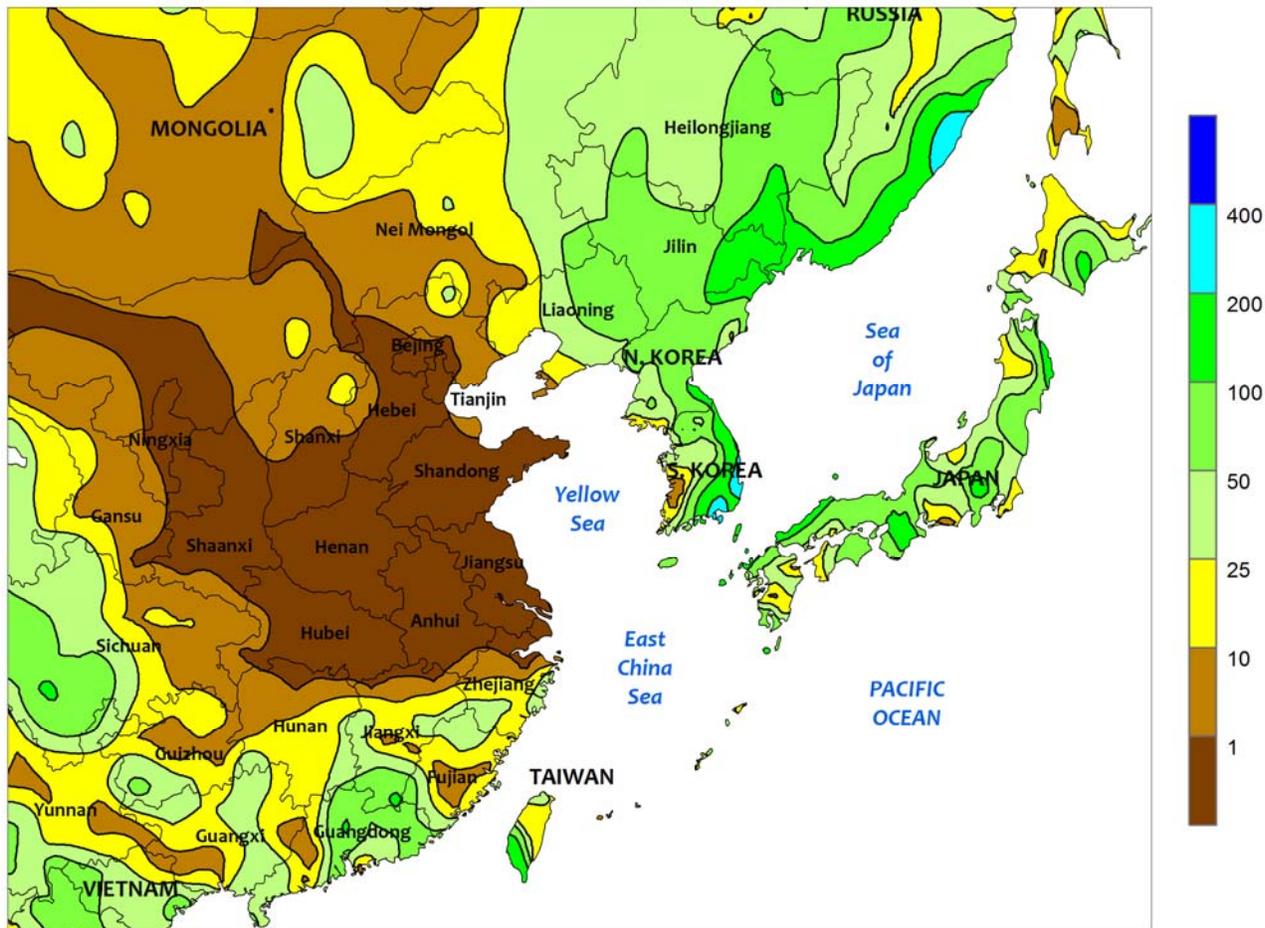


SOUTH ASIA

Monsoon showers persisted across much of India, keeping rice adequately watered in the east and soybean fields saturated in the center-west. Eastern rainfall totals averaged nearly 50 mm, with some areas receiving almost 200 mm of rain. To the west, much of Madhya Pradesh received over 50 mm of rain (locally over 100 mm), bringing totals since July 1 in the main soybean-producing state to nearly 1,000 mm. In contrast to the wet weather throughout most of India, small pockets of unseasonable

dryness occurred, most notably in Gujarat and Maharashtra, where the dryness further exacerbated declining cotton conditions. Meanwhile in northern India, cotton bolls were likely beginning to open and rice was reproductive to ripening, as moderate to heavy showers (20-80 mm) prevailed in Punjab and Haryana. In other parts of the region, locally heavy showers (over 100 mm) in Bangladesh kept rice well watered, while unseasonably dry weather continued for reproductive rice in Sri Lanka.

EASTERN ASIA
Total Precipitation (mm)
AUG 28 - SEP 3, 2016



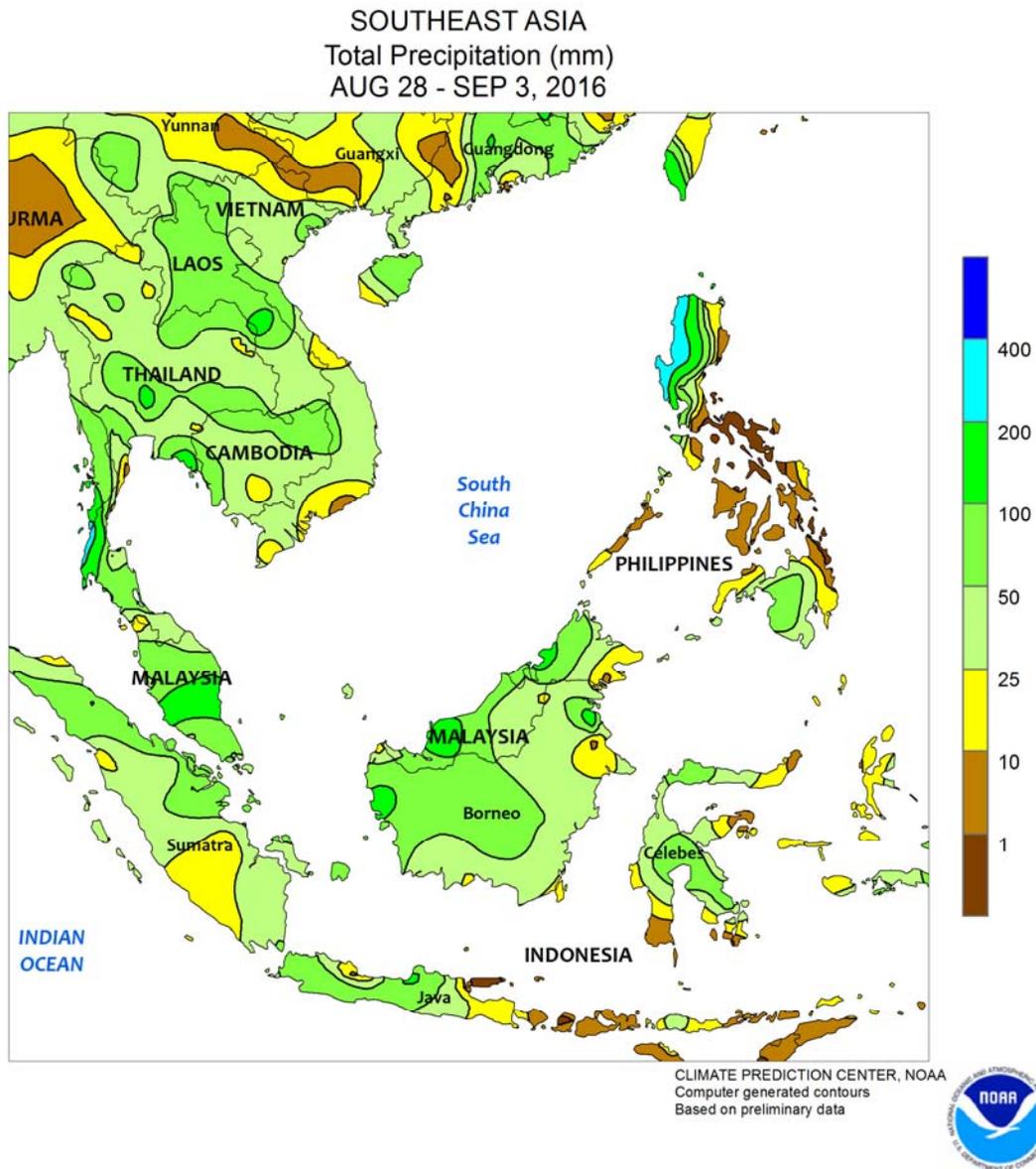
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



EASTERN ASIA

Typhoon Lionrock moved onshore into northern Japan on August 30, diminishing rapidly but still producing showers (50-100 mm, more in coastal areas) that overspread Japan, the Koreas, and northeastern China. By the end of the period, more rain was reported in southern Japan and torrential downpours (over 200 mm) in eastern South Korea as a result of Typhoon Namtheun approaching the Korea Strait between South Korea and Japan. The abundant rainfall for the week boosted water supplies in Japan and the Koreas,

but rice was likely maturing in these areas and did not benefit greatly from the increased water. Showers (25-50 mm) related to Lionrock were reported well into northeastern China, reaching into drought affected corn and soybean areas of western Heilongjiang, Jilin, and Inner Mongolia. The rainfall, however, came too late to significantly improve yields. Elsewhere in China, dry weather on the North China Plain and into the Yangtze River Basin aided summer crop maturation and harvesting.

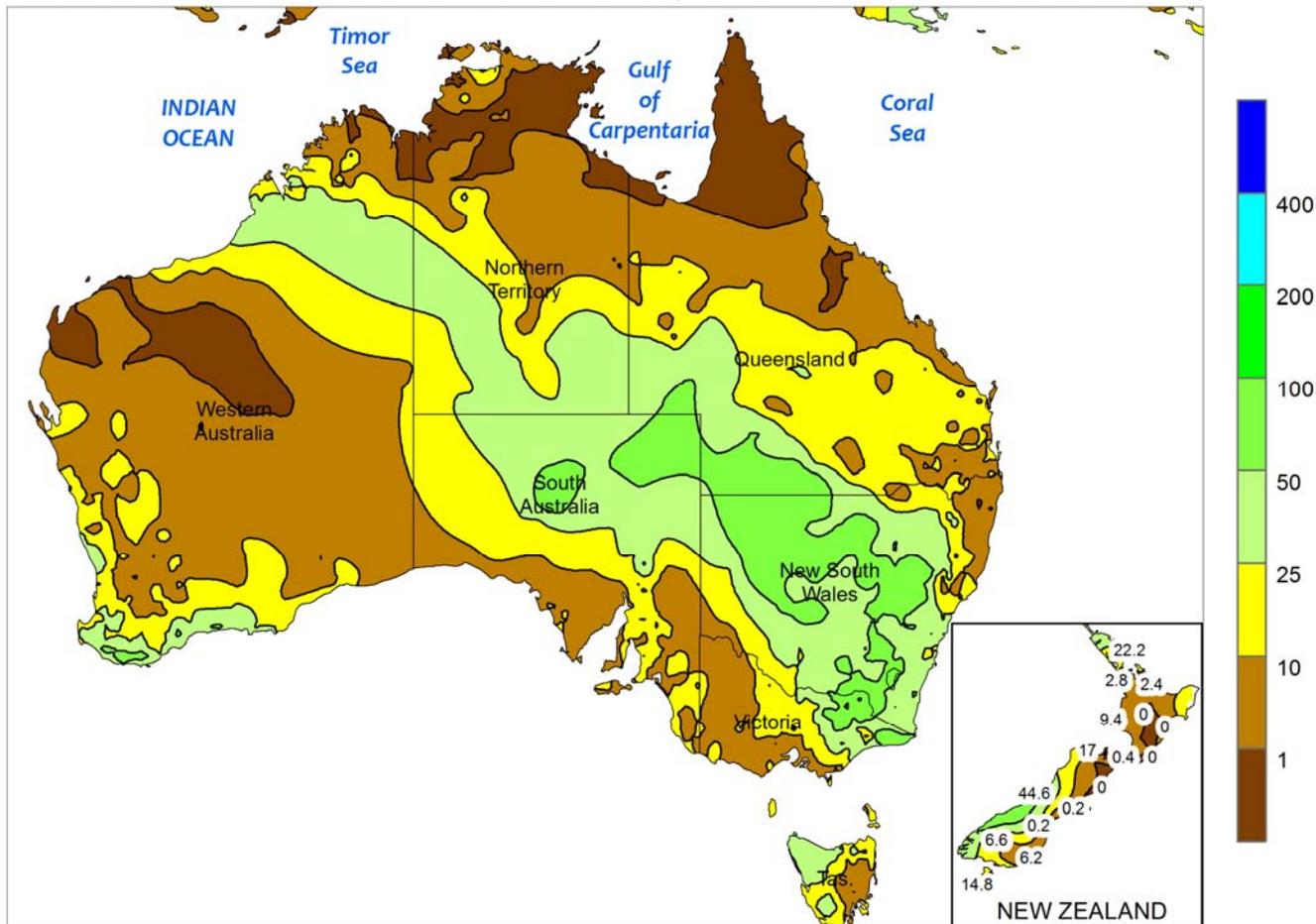


SOUTHEAST ASIA

Monsoon showers continued to keep rice well watered across Indochina, with over 25 mm in most areas. In Thailand, though, short-term (since July 1) rainfall deficits persisted in the north and northeast. Meanwhile, torrential rainfall (over 200 mm) continued in the northwestern Philippines, where totals since August 1 have topped 1,000 mm. While

excessively wet weather persisted in the north, much of the remainder of the Philippines experienced unseasonably dry weather. Farther south, 25 to 100 mm of rain maintained favorable short-term soil moisture for oil palm in Malaysia and Indonesia, although longer-term moisture deficits (dating back to April 1) continued in western Malaysia.

AUSTRALIA
Total Precipitation (mm)
AUG 28 - SEP 3, 2016



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

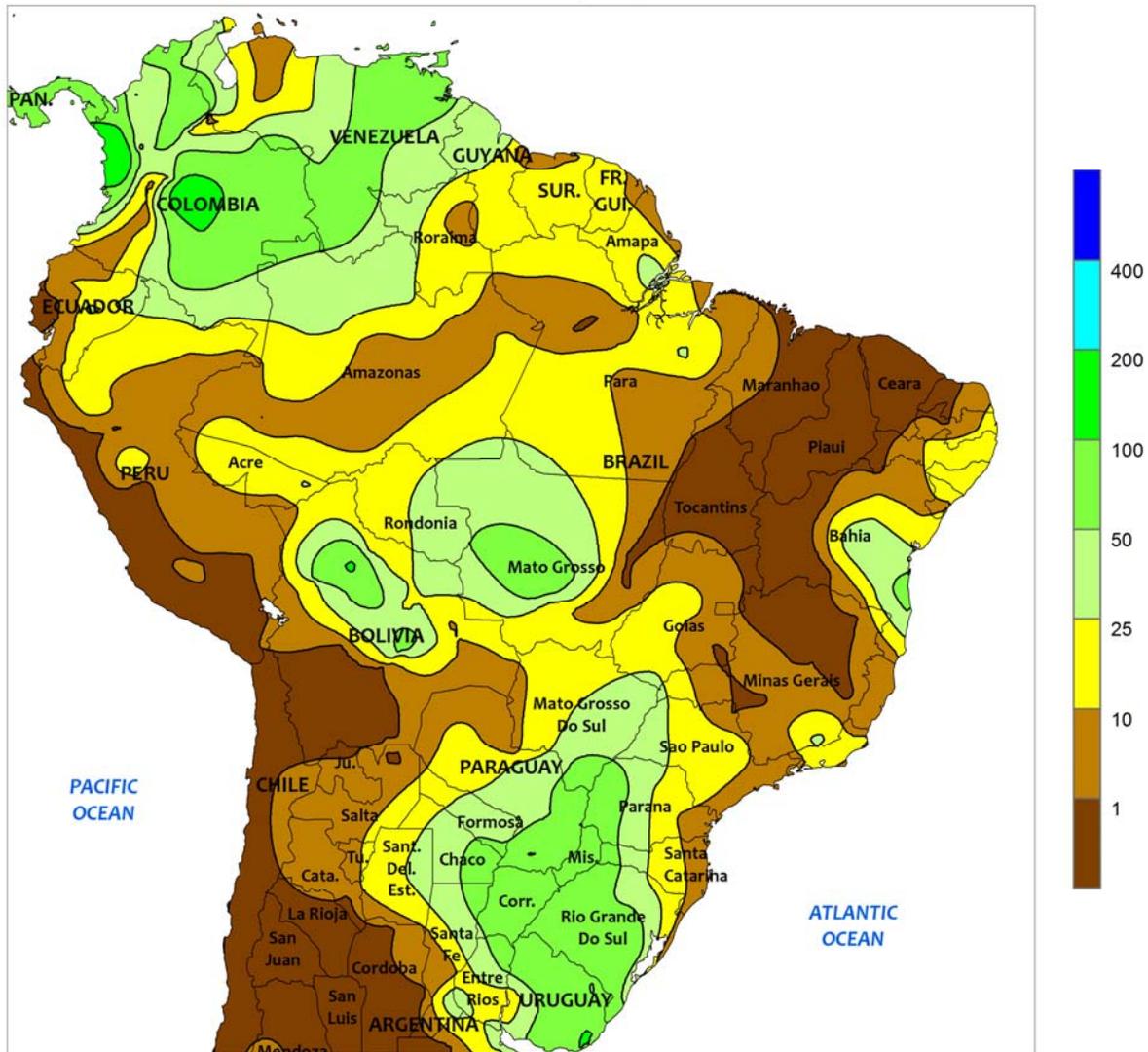


AUSTRALIA

In southern and eastern Australia, widespread, soaking rains (10-50 mm, locally more than 75 mm) maintained abundant to locally excessive soil moisture for winter grains and oilseeds, many of which are in or nearing the reproductive stages of development. The heavy rains reportedly caused local flooding but were overall beneficial, helping to maintain good to excellent yield prospects for wheat, barley, canola, and other winter crops. The rain also benefited summer crops, further

increasing topsoil moisture and irrigation supplies in advance of sorghum and cotton planting. Elsewhere in the wheat belt, scattered showers (5-25 mm) in Western Australia continued to favor winter grain and oilseed development, sustaining good to excellent crop prospects. Temperatures in Western Australia averaged near normal, while in southern and eastern Australia temperatures averaged slightly above normal (1°C above normal).

BRAZIL
Total Precipitation (mm)
AUG 28 - SEP 3, 2016



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

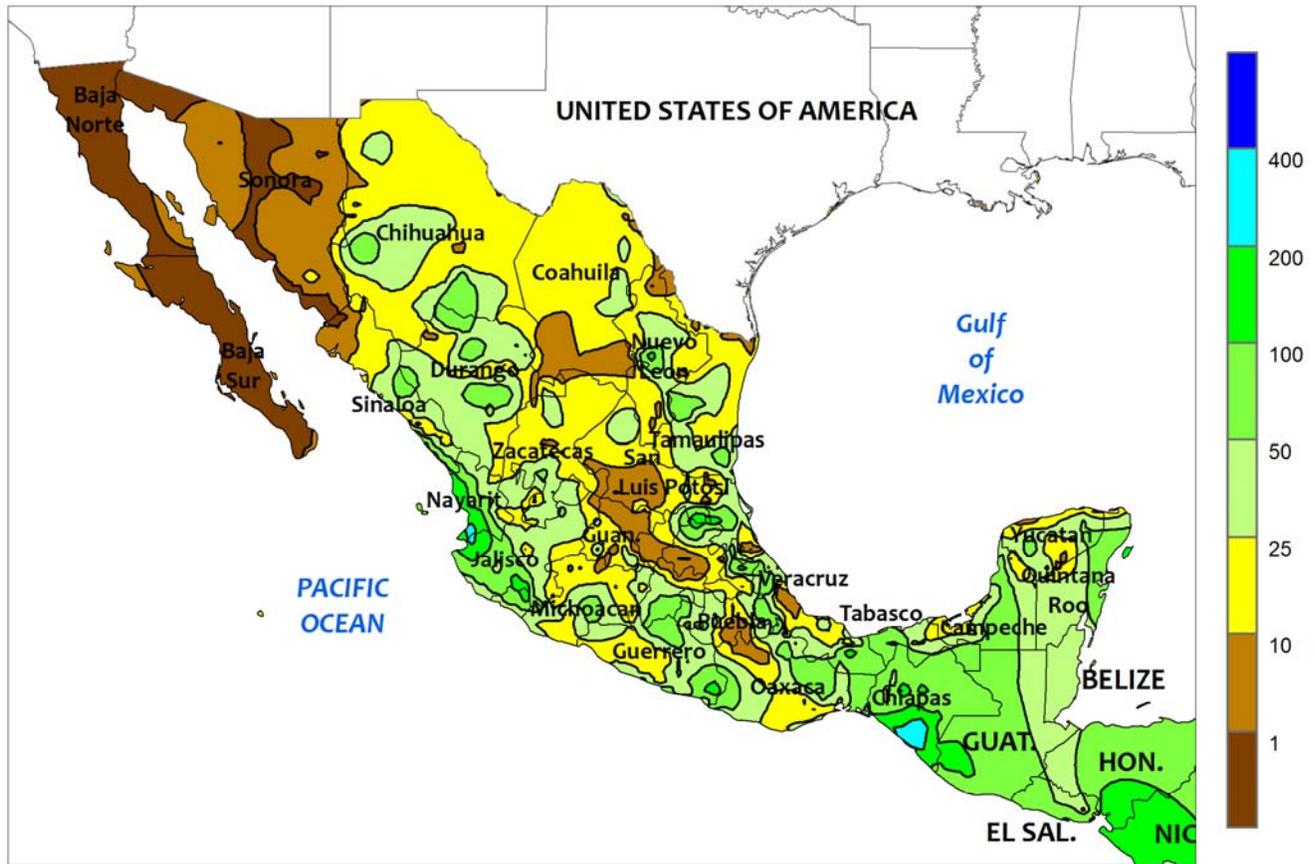


BRAZIL

Unseasonable showers kept filling to maturing wheat unfavorably wet over southern Brazil. Rainfall totaled more than 50 mm from Rio Grande do Sul northward through eastern Mato Grosso do Sul and western Sao Paulo. According to the government of Parana, wheat was 64 percent filling to maturing as of August 29; later-planted crops were further behind in development in Rio Grande do Sul, reaching 78 percent vegetative as of September 1. In addition, the rain (10-25 mm, locally higher) in western Sao

Paulo disrupted sugarcane harvesting, although drier conditions favored coffee harvesting in southern Minas Gerais. Unseasonable rainfall (10-50 mm) also continued in southern and western Mato Grosso, possibly encouraging early corn planting, though daytime highs in excess of 35°C maintained high evaporative losses. Seasonable dryness prevailed in the northeastern interior (in and around western Bahia) as seasonal showers (locally greater than 25 mm) lingered along the northeastern coast.

MEXICO
Total Precipitation (mm)
AUG 28 - SEP 3, 2016



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

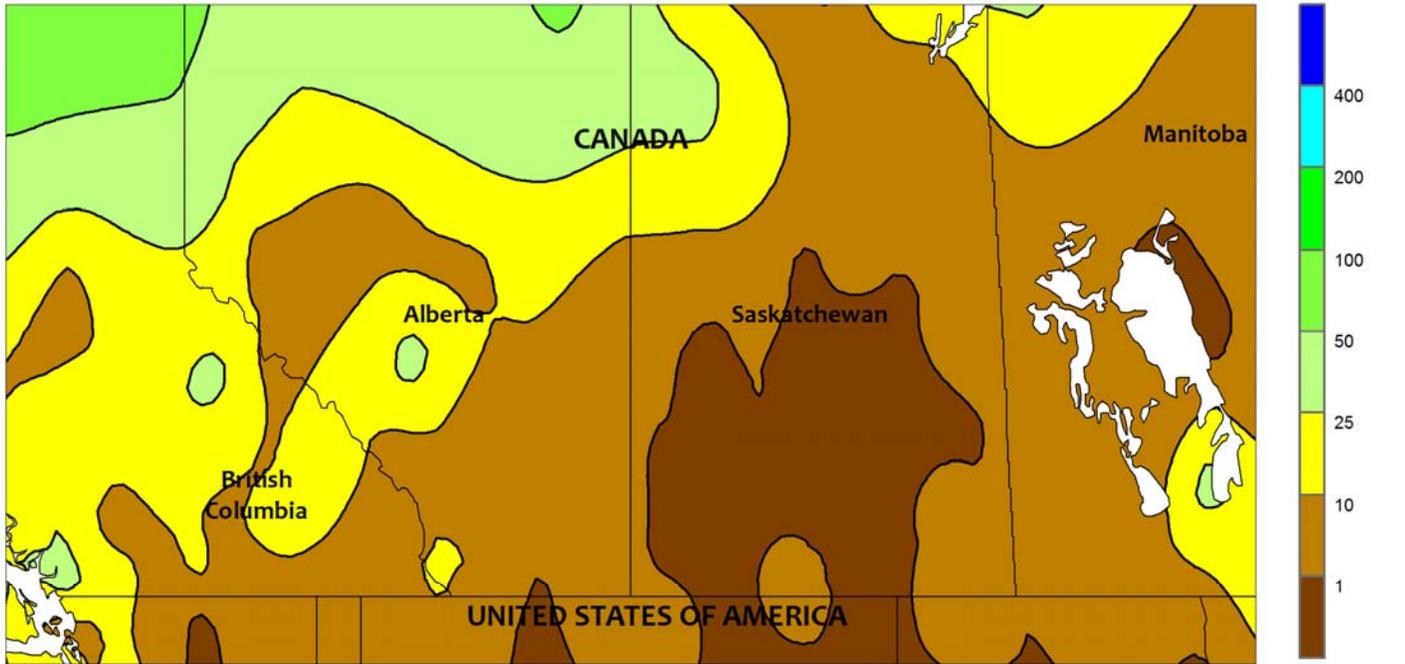


MEXICO

Widespread showers maintained overall favorable conditions for corn and other rain-fed summer crops. Rainfall was variable across the southern plateau (Jalisco to Puebla), though most areas recorded at least 10 mm. Unseasonable warmth accompanied the moisture, with weekly temperatures averaging 1 to 2°C above normal and daytime highs reaching the middle and upper 20s (degrees C) at most locations. Although conditions were warmer and drier than the previous week, prospects remained overall favorable for filling to maturing summer crops. Meanwhile, heavier showers (50-100 mm) returned to the Yucatan Peninsula, with inundating rain

(greater than 200 mm) causing some flooding in the vicinity of the coffee areas of southern Chiapas. Farther north, monsoon showers remained sparse over Sonora and northernmost Sinaloa and tapered off from the previous week over north-central Mexico (notably Chihuahua and Coahuila), with amounts generally totaling 10 to locally more than 50 mm. At week's end, Hurricane Newton was approaching Mexico's western coast, injecting tropical moisture into the monsoon flow and generating heavy rain over western vegetable areas (additional information will appear in next week's *Weekly Weather and Crop Bulletin*).

CANADIAN PRAIRIES
Total Precipitation (mm)
AUG 28 - SEP 3, 2016



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

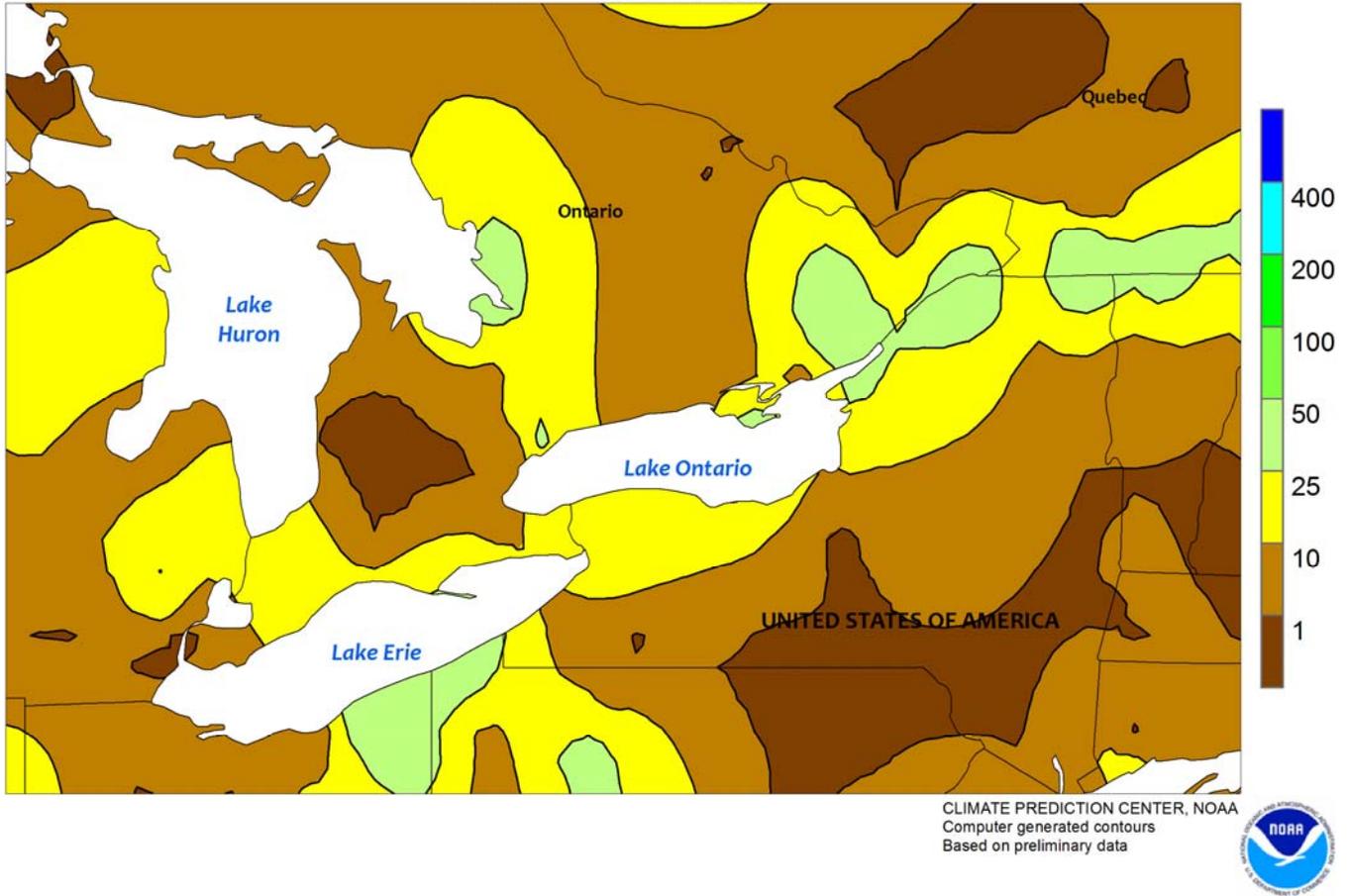


CANADIAN PRAIRIES

Mostly dry, warmer-than-normal weather aided spring crop harvesting. Virtually no rain fell in Saskatchewan and neighboring locations in Manitoba and Alberta; other locations recorded scattered, generally light showers, with rainfall totaling more than 10 mm confined to Manitoba's far eastern production areas and Alberta's northern crop areas. Unseasonable warmth prevailed in Saskatchewan and

Manitoba, with weekly temperatures averaging as much as 5°C above normal. Daytime highs reached the lower and middle 30s (degrees C) across the southern border districts as well as in western Saskatchewan. Temperatures averaged closer to normal in Alberta. Nighttime lows fell into the low single digits in parts of Alberta and Saskatchewan but no widespread freeze was reported.

SOUTHEASTERN CANADA
Total Precipitation (mm)
AUG 28 - SEP 3, 2016

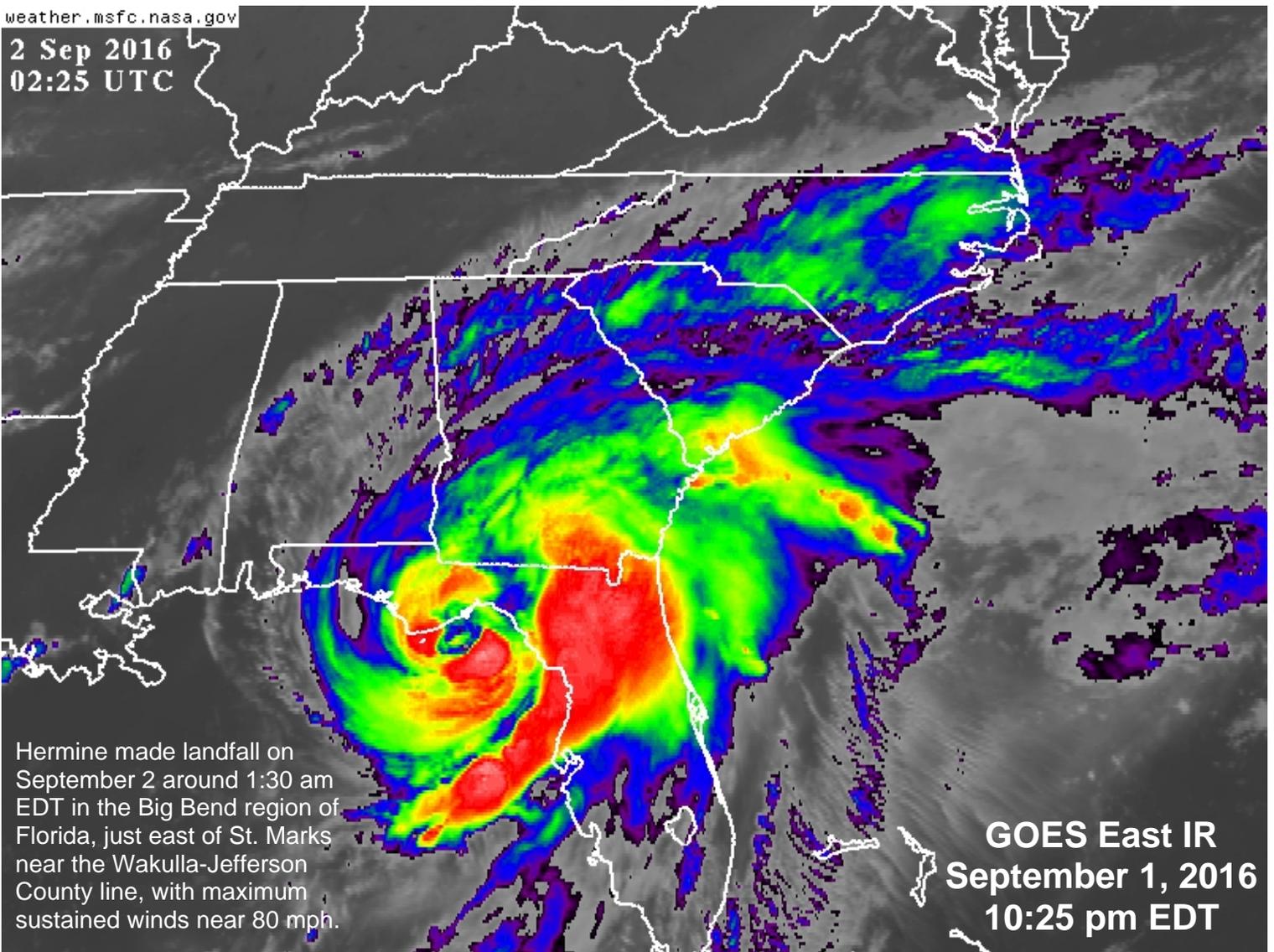


SOUTHEASTERN CANADA

Warmer- and drier-than-normal weather fostered rapid summer crop maturation in most areas. Rainfall was generally light (accumulations less than 15 mm in most areas), though a few pockets of moderate rain (greater than 25 mm) were recorded in both Ontario and Quebec. Weekly average temperatures were 1 to 2°C above normal

across the region, with daytime highs approaching 30°C in spots during the first half of the week. Cooler weather prevailed during the latter part of the week, with a few locations recording nighttime lows below 5°C. The first autumn freeze typically arrives in eastern parts of the region in late September.

2 Sep 2016
02:25 UTC



Hermine made landfall on September 2 around 1:30 am EDT in the Big Bend region of Florida, just east of St. Marks near the Wakulla-Jefferson County line, with maximum sustained winds near 80 mph.

GOES East IR
September 1, 2016
10:25 pm EDT

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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