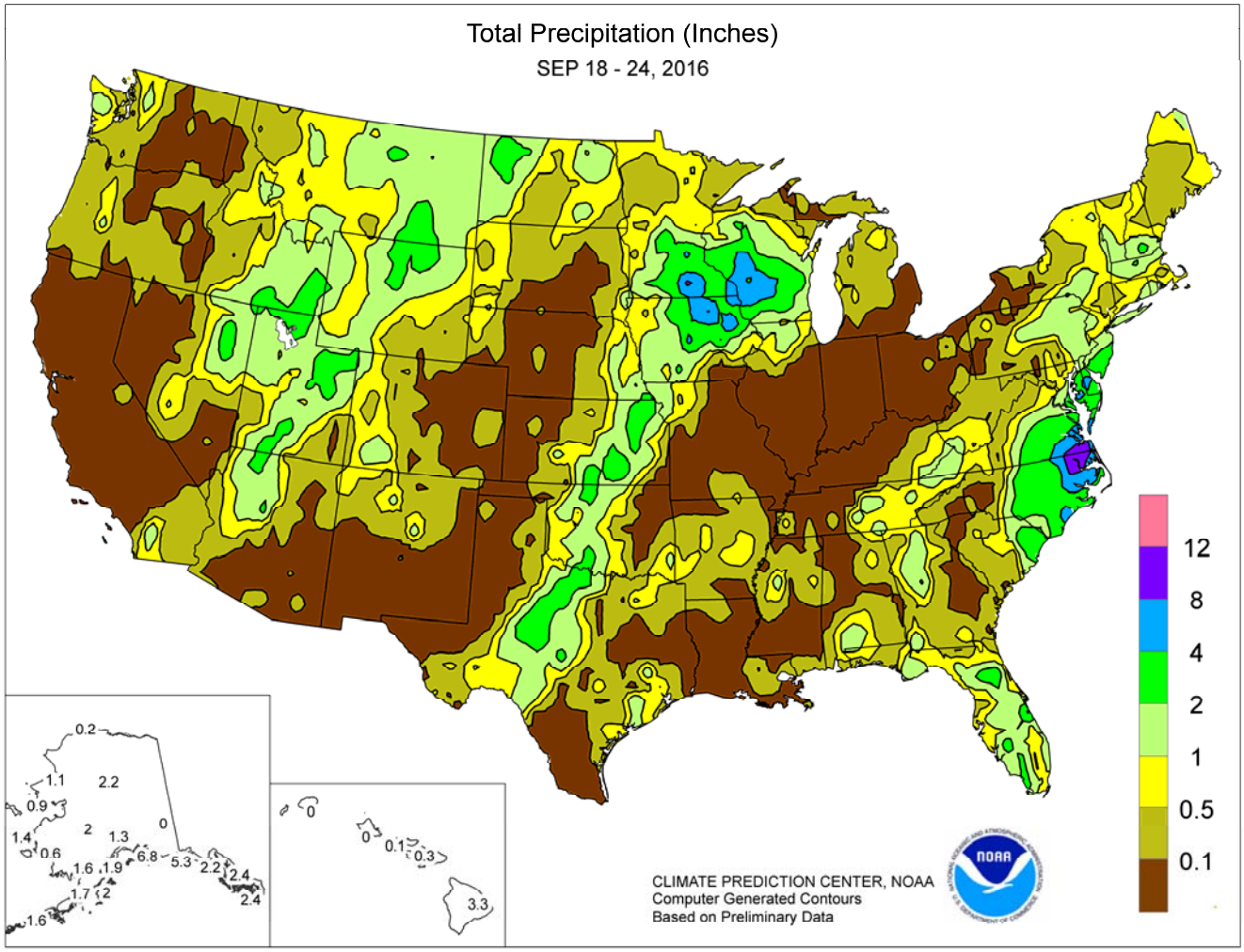
Volume 103, No. 39 http://www.usda.gov/oce/weather September 27, 2016

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

September 18 – 24, 2016

Highlights provided by USDA/WAOB

The remnants of Tropical Storm Julia lurked near the **middle and southern Atlantic Coast**, helping to spark rainfall. Some of the heaviest rain, locally 4 inches or more, fell in **southeastern Virginia** and **northeastern North Carolina**. Elsewhere in the **East**, however, showers were generally not heavy enough to dent short-term rainfall deficits, favoring fieldwork but further reducing topsoil moisture and increasing stress on pastures and immature summer crops such as late-planted soybeans. During the second half of the week, a storm system

(Continued on page 5)

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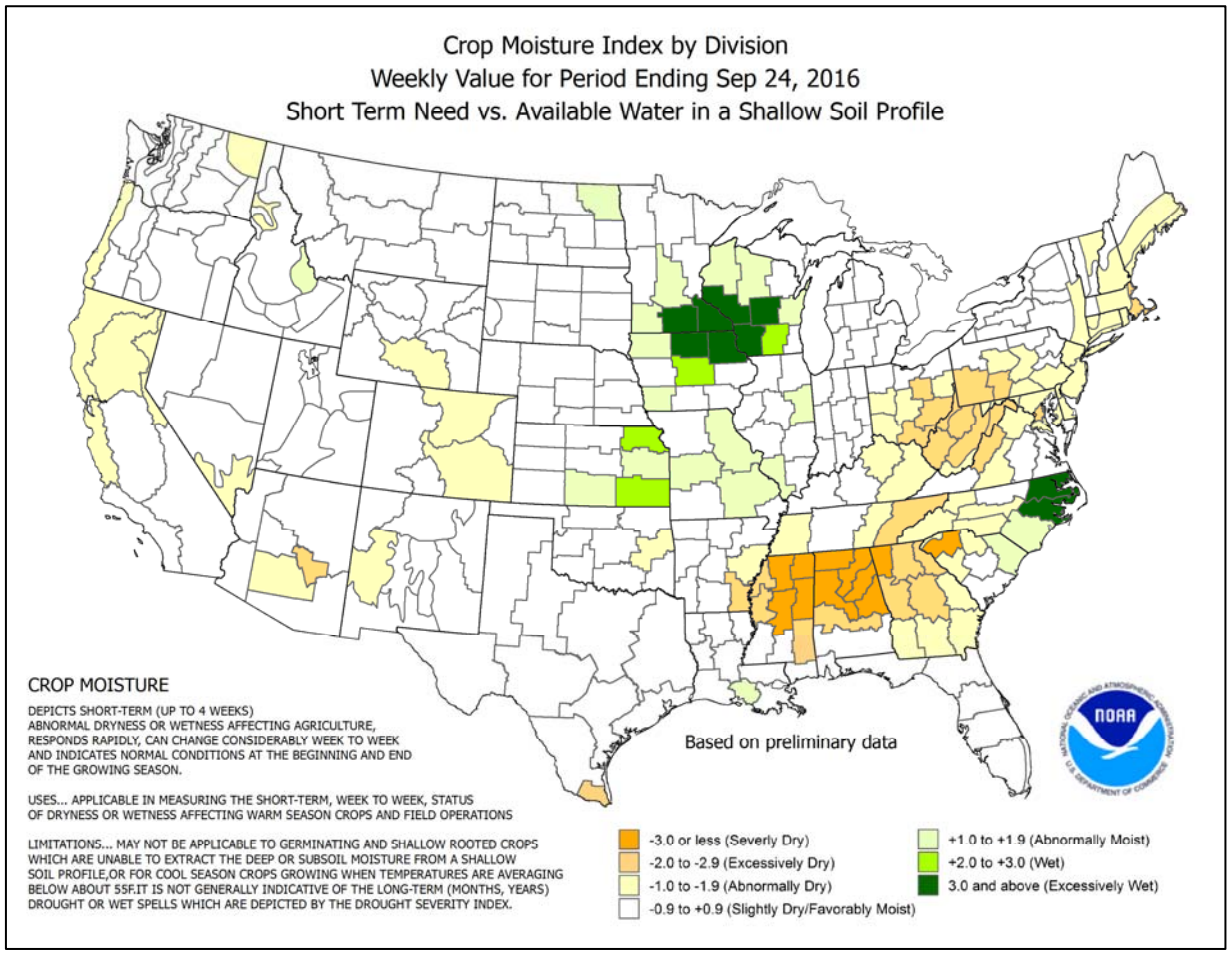
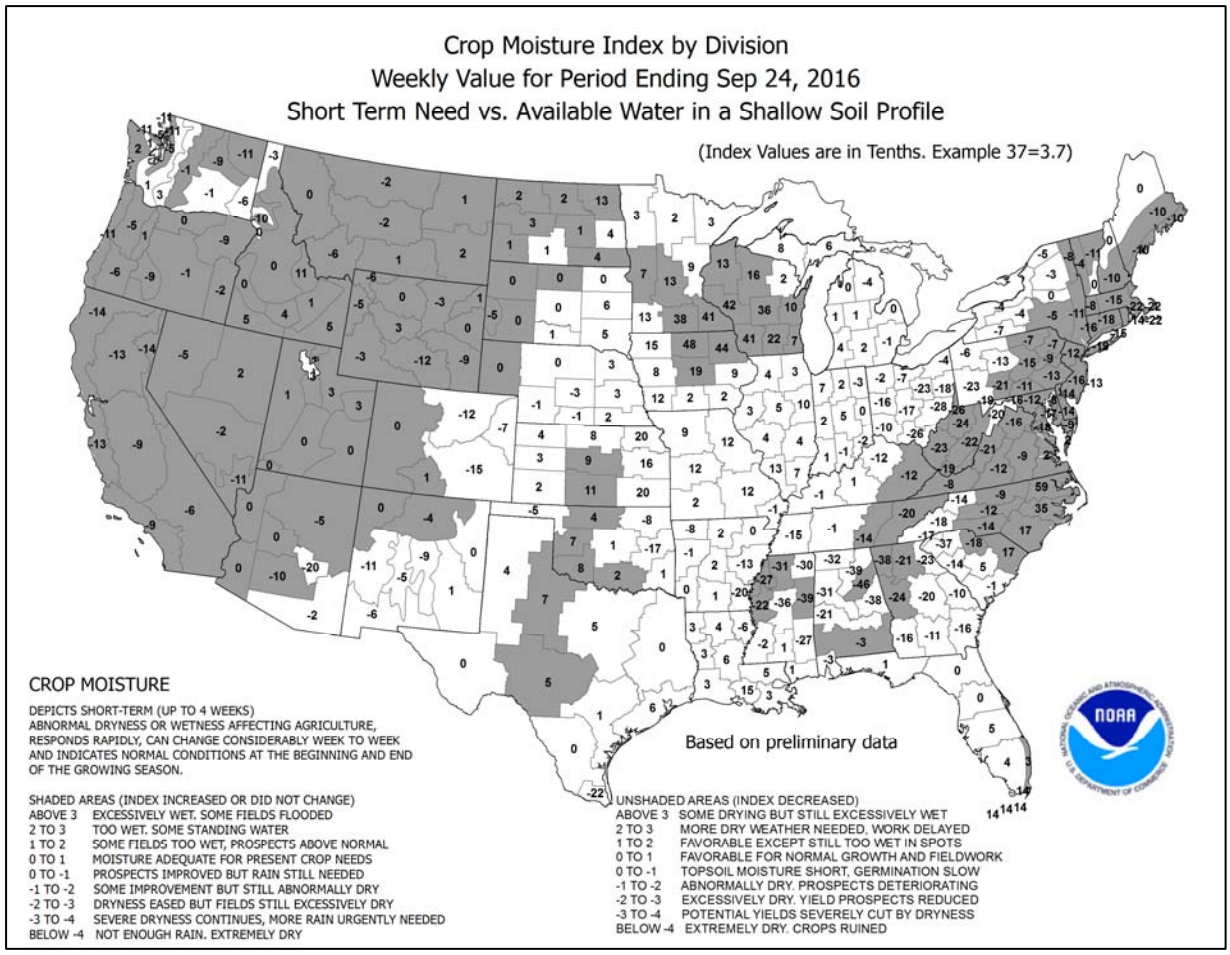
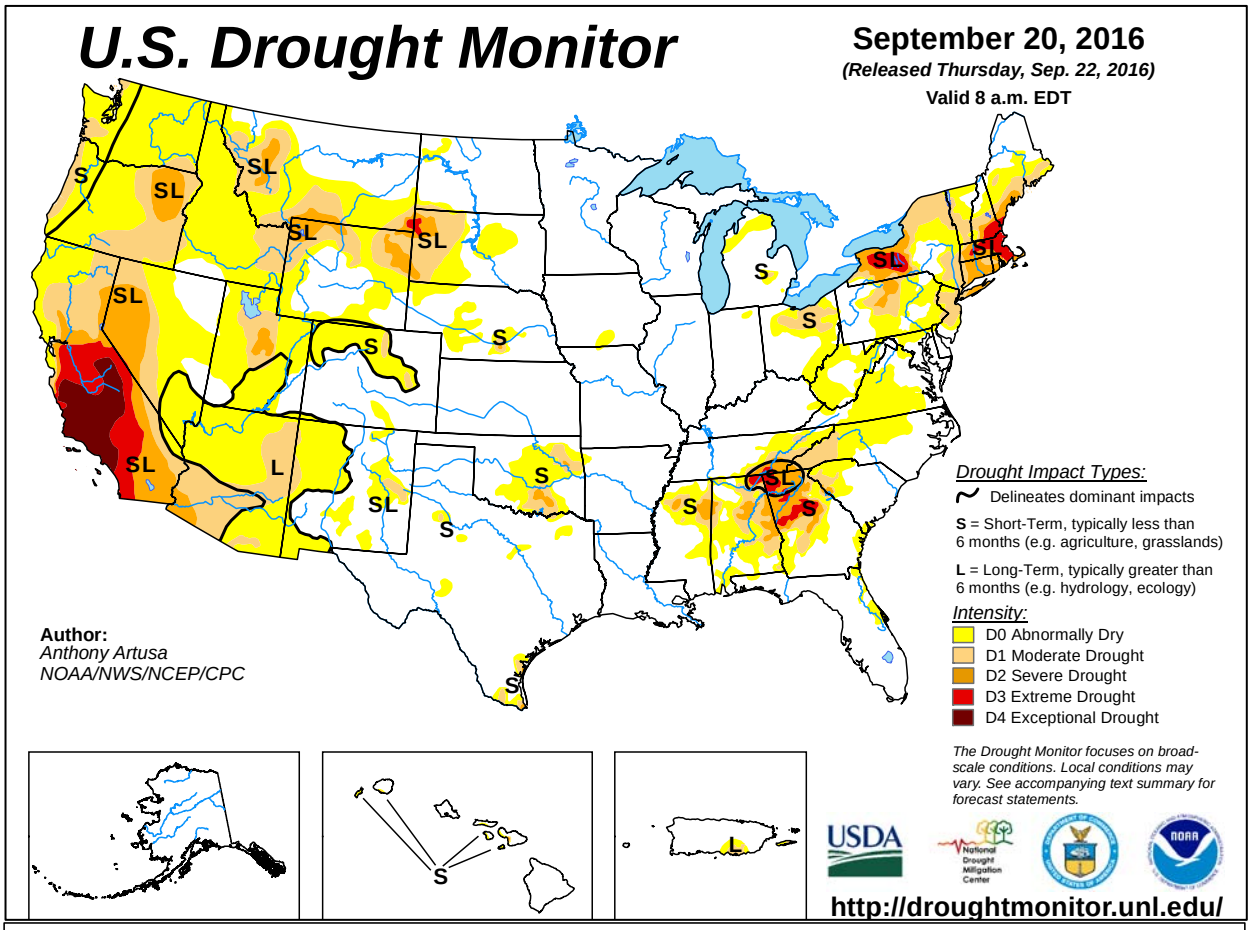
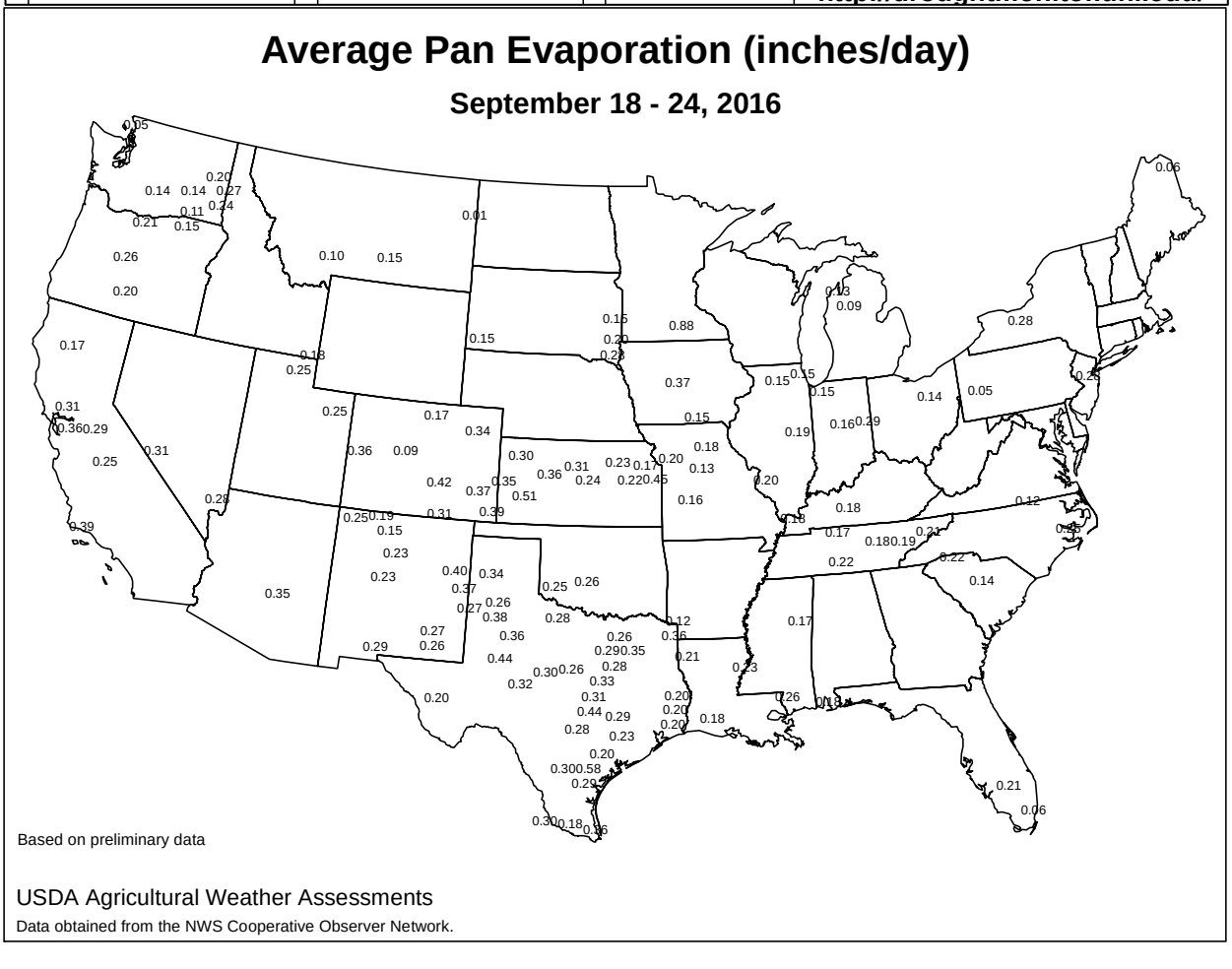
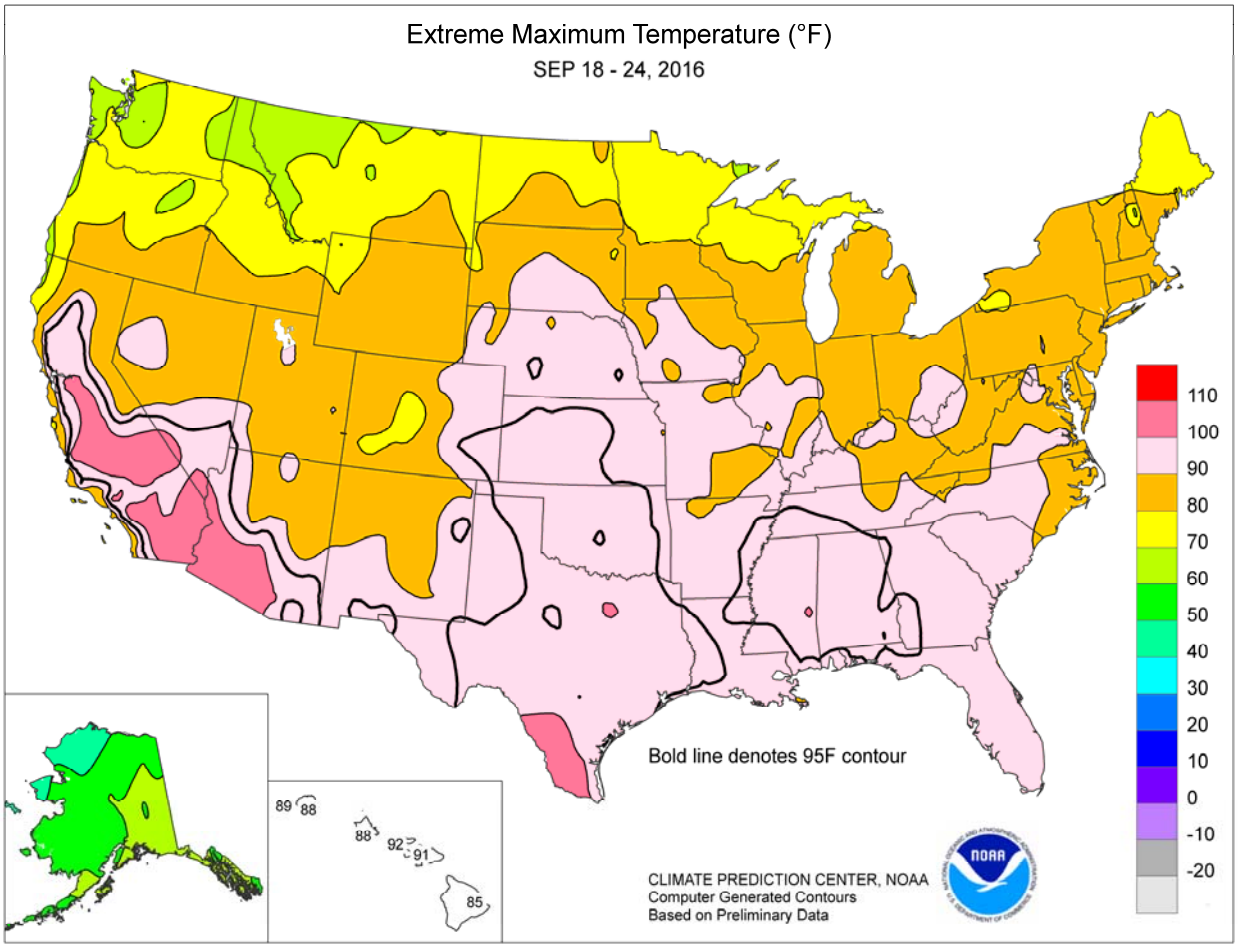
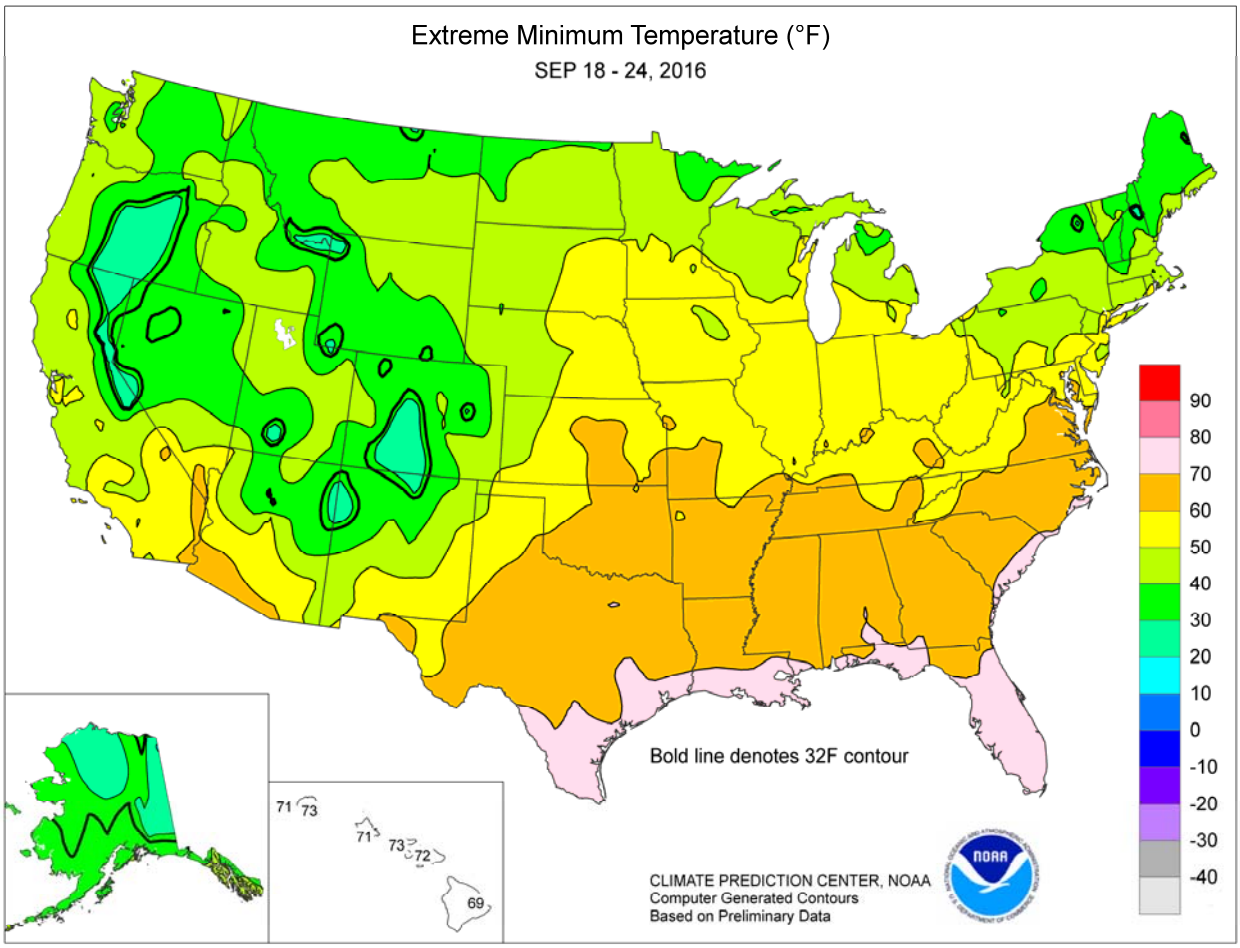

Crop Moisture Index by Division
Weekly Value for Period Ending Sep 24, 2016
Short Term Need vs. Available Water in a Shallow Soil Profile
CROP MOISTURE
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES... APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS
LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A SHALLOW SOIL PROFILE,OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55F.IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
Based on preliminary data
NOAA
-3.0 or less (Severly Dry)
-2.0 to -2.9 (Excessively Dry)
-1.0 to -1.9 (Abnormally Dry)
-0.9 to +0.9 (Slightly Dry/Favorably Moist)
+1.0 to +1.9 (Abnormally Moist)
+2.0 to +3.0 (Wet)
3.0 and above (Excessively Wet)


Crop Moisture Index by Division
Weekly Value for Period Ending Sep 24, 2016
Short Term Need vs. Available Water in a Shallow Soil Profile
(Index Values are in Tenths. Example 37=3.7)
CROP MOISTURE
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
SHADED AREAS (INDEX INCREASED OR DID NOT CHANGE)
ABOVE 3 EXCESSIVELY WET. SOME FIELDS FLOODED
2 TO 3 TOO WET. SOME STANDING WATER
1 TO 2 SOME FIELDS TOO WET, PROSPECTS ABOVE NORMAL
0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4 SEVERE DRYNESS CONTINUES, MORE RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN. EXTREMELY DRY
UNSHADED AREAS (INDEX DECREASED)
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED. WORK DELAYED
1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY. PROSPECTS DETERIORATING
-2 TO -3 EXCESSIVELY DRY. YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4 EXTREMELY DRY. CROPS RUINED
Based on preliminary data
NOAA


U.S. Drought Monitor
September 20, 2016
(Released Thursday, Sep. 22, 2016)
Valid 8 a.m. EDT
Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC
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/

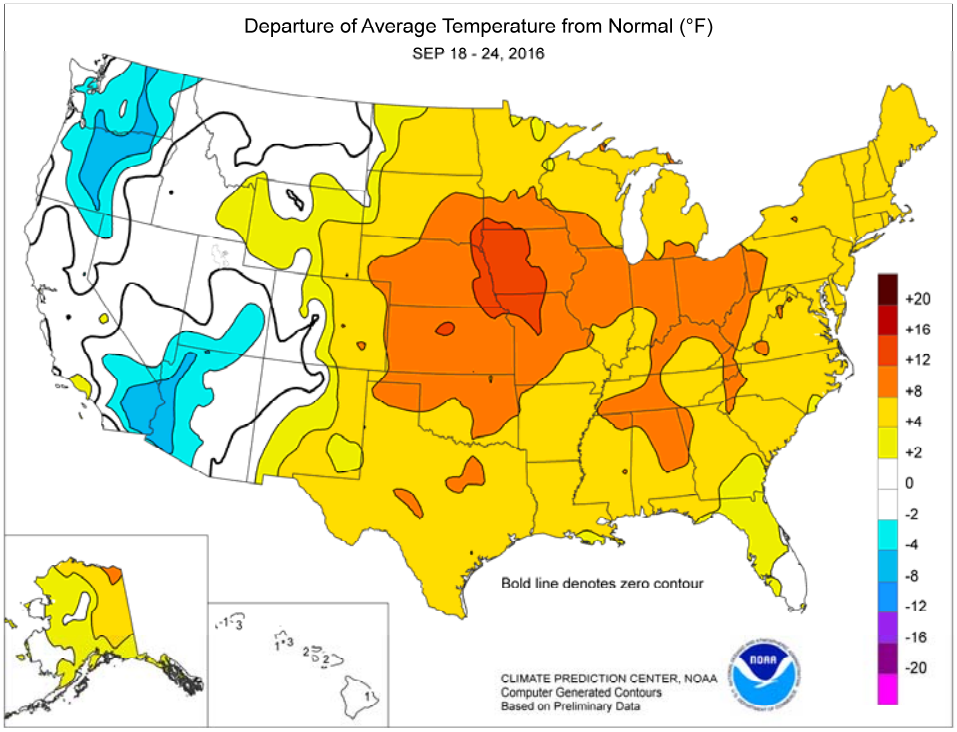

Average Pan Evaporation (inches/day)
September 18 - 24, 2016
Based on preliminary data
USDA Agricultural Weather Assessments
Data obtained from the NWS Cooperative Observer Network.


Extreme Maximum Temperature (°F)
SEP 18 - 24, 2016
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95F contour
89
88
88
92
91
85
CLIMATE PREDICTION CENTER, NOAA
Computer Generated Contours
Based on Preliminary Data


Extreme Minimum Temperature (°F)
SEP 18 - 24, 2016
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32F contour
71
73
71
73
72
69
CLIMATE PREDICTION CENTER, NOAA
Computer Generated Contours
Based on Preliminary Data

(Continued from front cover)

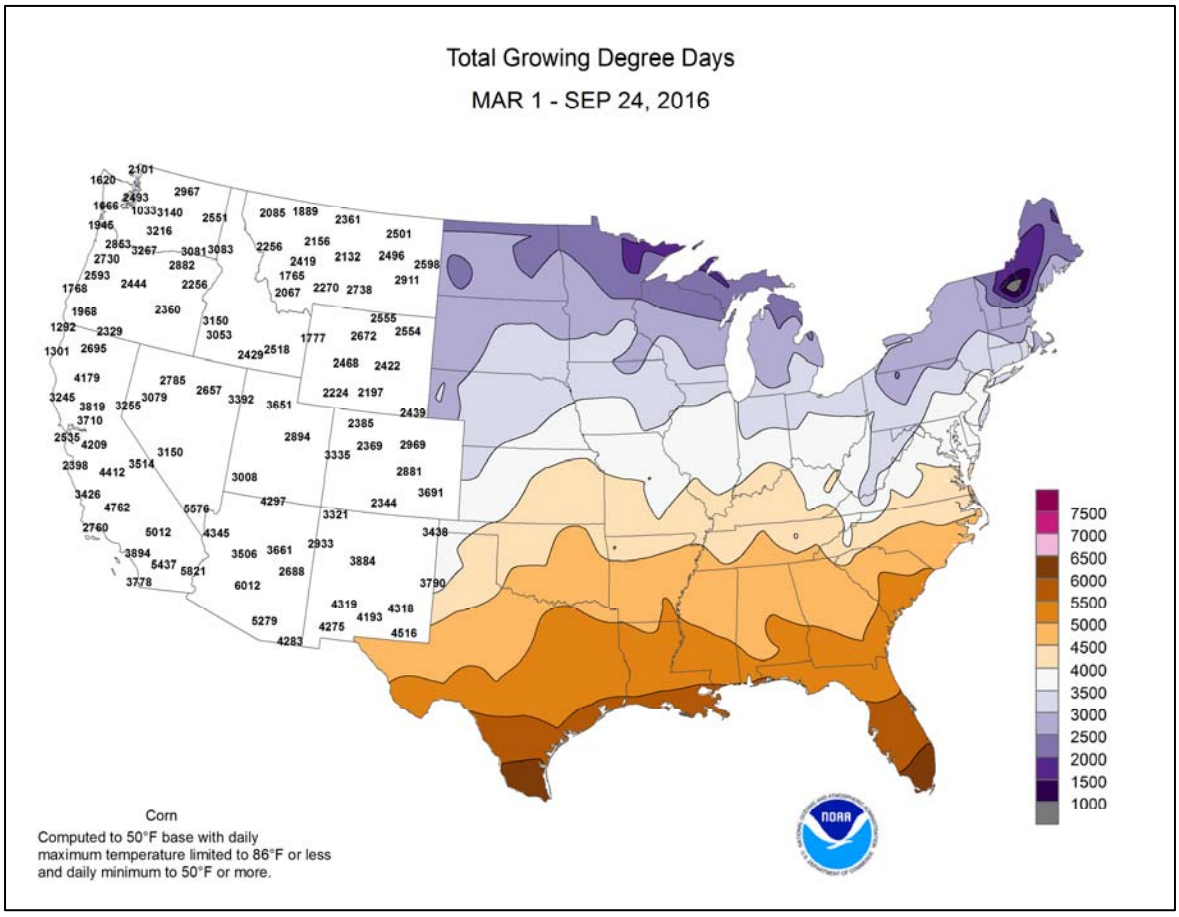
crossing the **western U.S.** delivered heavy precipitation (locally 2 inches or more) to the **Intermountain West** and the **northern High Plains**. The storm also entrained remnant moisture from former eastern Pacific Hurricane Paine and drew colder air southward in its wake. As a result, near- to below-normal temperatures were restricted to the **West**. Farther east, showers and thunderstorms pounded the **upper Mississippi Valley**, starting on September 21. Across **northeastern Iowa**, **southeastern Minnesota**, and parts of **Wisconsin**, widespread 4- to 10-inch rainfall totals resulted in submerged lowlands and significant river flooding. At week's end, showers in the vicinity of a cold front lingered across the **northern Plains** and stretched southward from the **upper Great Lakes region to Texas**. In advance of the front, above-normal weekly temperatures dominated the country, especially along and east of a line from **eastern New Mexico to the Dakotas**. In fact, temperatures averaged 10 to 15°F above normal in an area broadly centered on the **western Corn Belt**.

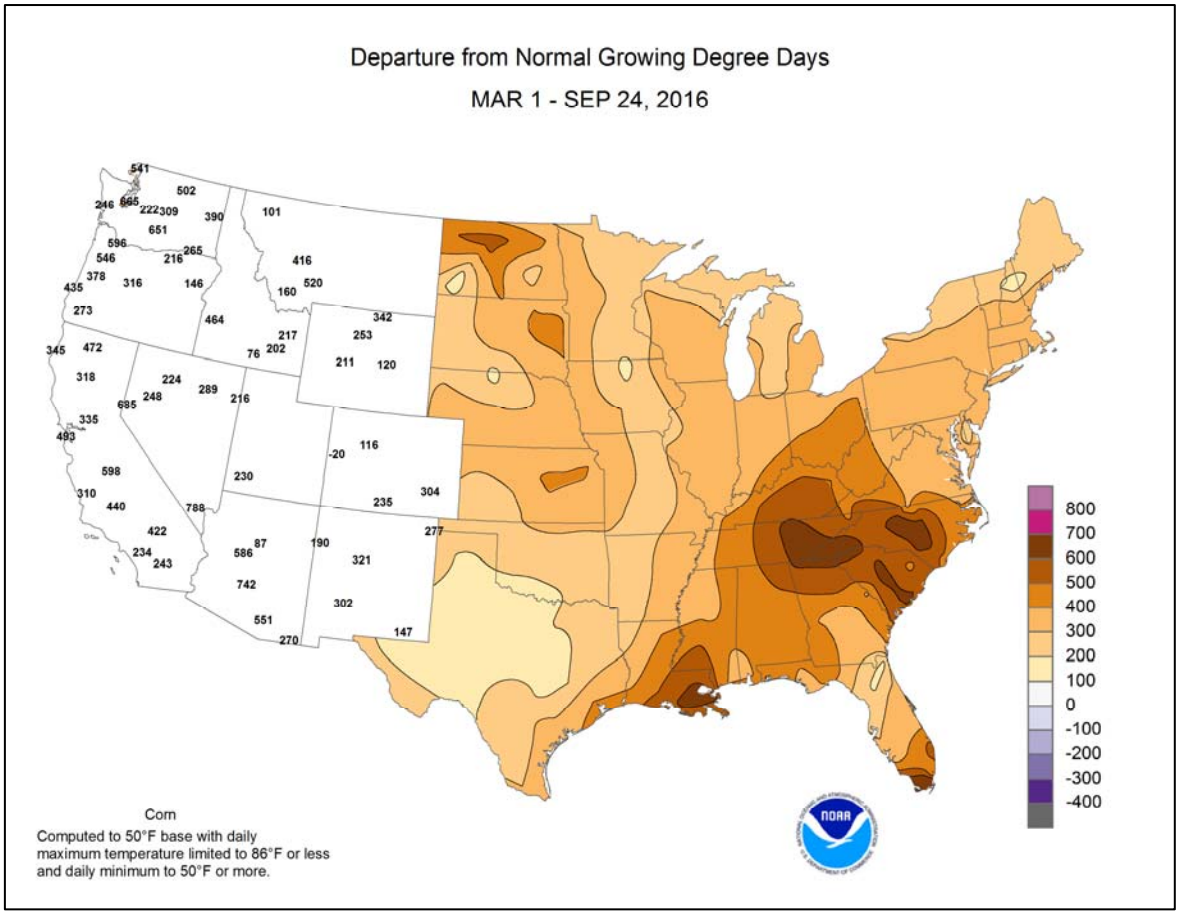


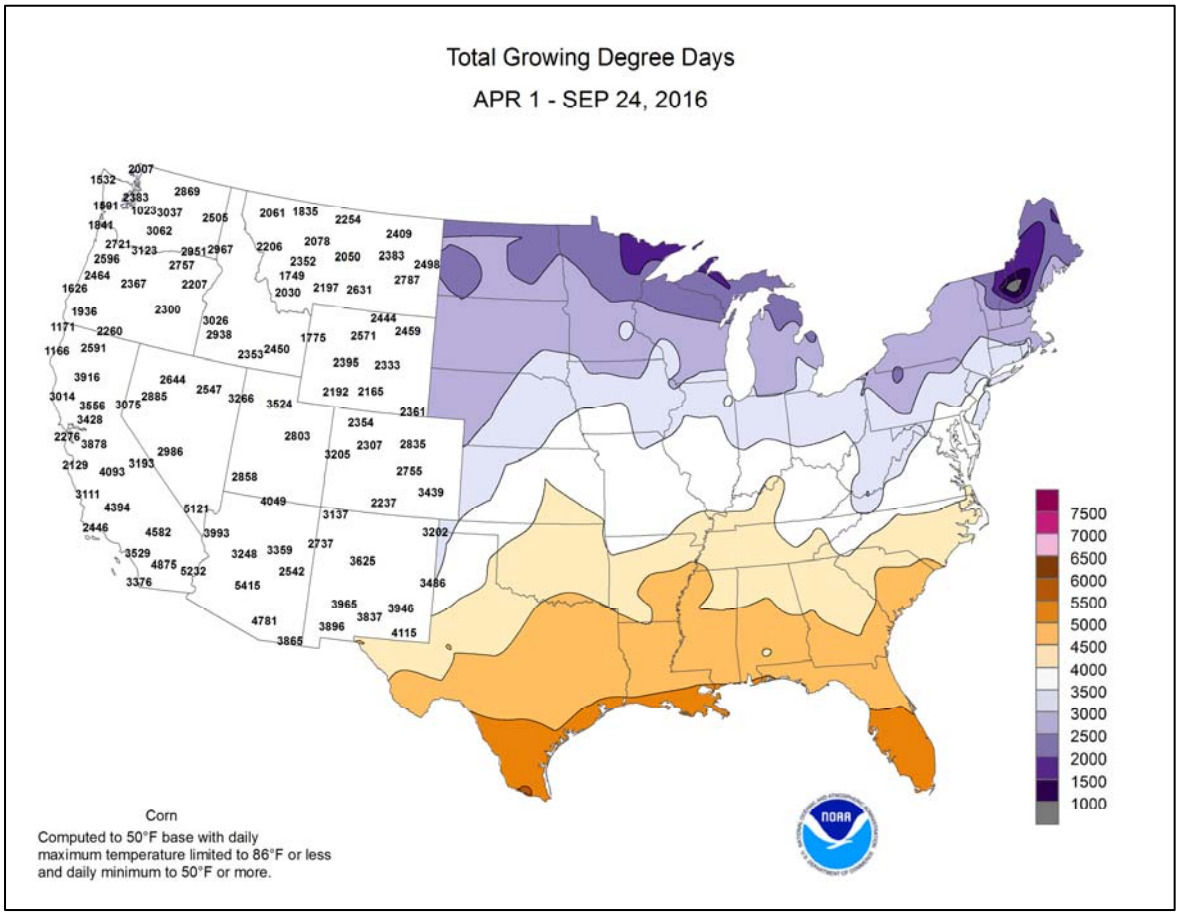
Although the last advisory on Tropical Storm Julia was issued on September 18, the storm's remnant circulation—in conjunction with a cold front—continued to spark heavy rain. **Norfolk, VA**, received 9.90 inches of rain from September 22-25. Isolated 12- to 18-inch totals were reported in a 72-hour period ending on September 22 from **Bertie County, NC, to Virginia Beach, VA**. Locally heavy showers also occurred in other parts of the **eastern U.S.**, especially on September 19. Daily-record totals for the 19th included 3.58 inches in **Melbourne, FL**; 2.78 inches in **Georgetown, DE**; and 2.32 inches in **Reading, PA**. During the first 18 days of September, rainfall had totaled just 0.48 inch in **Georgetown** and 0.15 inch in **Reading**. Farther west, rare September rainfall overspread **southern California** and the **Desert Southwest** on the 20th and 21st, in part due to moisture stripped from former Hurricane Paine. Two-day totals in **southern California** reached 1.72 inches on **Palomar Mountain**; 1.51 inches in **Idyllwild**; and 1.08 inches in **Campo**. Meanwhile, heavy showers also developed across the **Great Basin** and **Intermountain West**. **Tonopah, NV**, collected a daily-record sum of 1.14 inches on September 21. A day later, record-setting totals for the 22nd topped an inch in locations such as **Rock Springs, WY** (1.09 inches); **Burley, ID** (1.08 inches); and **Valentine, MT** (1.01 inches). It was the wettest September day in **Rock Springs** since September 3, 1983, when 1.20 inches fell. High winds accompanied the **Western** storminess, with a gust to 75 mph clocked on September 22 on **Hill Air Force Base** near **Ogden, UT**. **Western** precipitation lingered through week's end, when record-setting totals for September 24 reached 2.19 inches in **Sheridan, WY**, and 1.32 inches in **Miles City, MT**. Storm-total (September 21-24) rainfall topped 2 inches in several locations, including **Sheridan** (2.86 inches); **Greybull, WY** (2.75 inches); and **Burley, ID** (2.03 inches). High-elevation snowfall locally topped a foot from the **Humboldt Range in northern Nevada to the Bighorn Mountains in northern Wyoming**. Farther east, multiple rounds of heavy rain pounded the **upper Midwest**. September 21 featured daily-record totals in **Eau Claire, WI** (4.94 inches), and **Rochester, MN** (3.60 inches). Rainfall totals in a 72-hour period from September 20-23 reached 8 to 10 inches or more in several **upper Midwestern** communities, including **Waseca, MN**, and **Powersville, IA**. By September 24 in **Iowa**, the **Cedar River** crested 10.90 feet above flood stage in **Cedar Falls** and 9.94 feet above flood stage in **Waterloo**—the second-highest levels on record in both locations behind June 2008.

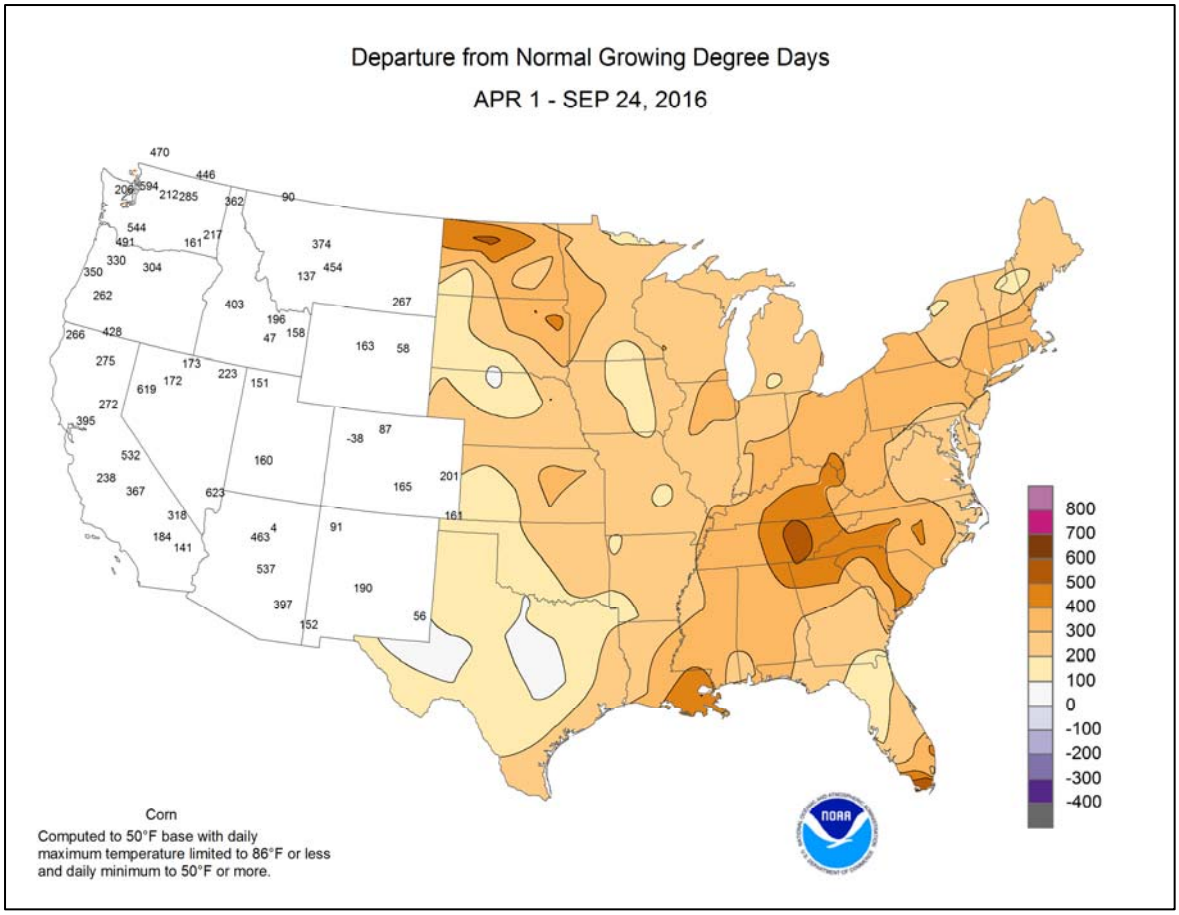
Cool air trailed the sprawling **Western** storm leading to daily-record lows in locations such as **Merced, CA** (47°F on September 22), and **Klamath Falls, OR** (26°F on September 23). Prior to the storm's arrival, however, **Western** temperatures had briefly soared. In **California**, for example, daily-record highs for September 19 surged to 105°F in **Bakersfield** and 102°F in **Modesto**. Farther east, a string of consecutive triple-digit highs ended in **McAllen, TX**, at 17 days (September 5-21), but only after five daily-record highs (104, 106, 104, 103, and 102°F) occurred during the last 5 days of the streak. Meanwhile, a surge of pre-storm heat led to numerous daily-record highs across the **central and southern Plains**. Many of the records were noted on September 20, when highs climbed to 99°F in **Garden City, KS**, and 96°F in **Lincoln, NE**. Late-season heat also intensified across the **Southeast**, where **Meridian, MS**, closed the week with a trio of daily-record highs (98, 99, and 101°F) from September 22-24. Similarly, the week ended with consecutive daily-record highs in locations such as **Tuscaloosa, AL** (98 and 99°F), and **Pensacola, FL** (94 and 97°F). Elsewhere on the 24th, **Charleston, SC**, eclipsed an annual record with its 98th day of 90-degree heat, surpassing 97 days in 1990.

Mild but very wet weather prevailed in **Alaska**, with weekly totals ranging from 1 to 2 inches at many interior locations and reaching 2 to 6 inches or more in the southeastern part of the state. From September 22-24, rainfall totaled 4.66 inches in **Yakutat** and 2.42 inches in **Juneau**. Through September 24, **Juneau's** month-to-date rainfall climbed to 10.61 inches, or 156 percent of normal. On the **Alaskan mainland**, weekly rainfall included 2.00 inches in **McGrath** and 1.71 inches in **King Salmon**. Meanwhile, weekly temperatures were more than 5°F above normal in parts of **eastern Alaska**, but averaged close to normal across the state's western tier. Farther south, **Hawaii's** weather mostly quieted, following mid-September downpours. Still, on the **Big Island**, **Hilo's** weekly rainfall reached 3.07 inches, aided by a 1.68-inch total on September 23. Through the 24th, month-to-date rainfall was significantly above normal in locations such as **Honolulu, Oahu** (2.89 inches, or 556 percent of normal), and **Kahului, Maui** (1.21 inches, or 432 percent). **Hawaii** also experienced warm weather, with **Lihue, Kauai**, posting a daily-record high of 88°F on September 24.


Total Growing Degree Days
MAR 1 - SEP 24, 2016
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.


Departure from Normal Growing Degree Days
MAR 1 - SEP 24, 2016
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.


Total Growing Degree Days
APR 1 - SEP 24, 2016
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.


Departure from Normal Growing Degree Days
APR 1 - SEP 24, 2016
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.

National Weather Data for Selected Cities

Weather Data for the Week Ending September 24, 2016

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	93	71	98	66	82	9	0.32	-0.65	0.32	0.68	21	35.85	88	86	37	6	0	1	0
	HUNTSVILLE	95	66	97	63	81	10	0.13	-0.90	0.13	0.47	14	32.97	78	87	39	7	0	1	0
	MOBILE	92	71	95	69	82	6	0.07	-1.28	0.04	3.66	72	50.64	97	97	56	6	0	2	0
	MONTGOMERY	95	73	98	71	84	9	0.45	-0.55	0.45	2.24	65	35.42	85	85	38	7	0	1	0
AK	ANCHORAGE	56	45	59	37	51	4	0.75	0.11	0.70	2.38	103	14.18	126	82	67	0	0	3	1
	BARROW	38	32	45	27	35	5	0.18	0.04	0.06	0.45	82	4.12	123	87	77	0	5	4	0
	FAIRBANKS	55	40	62	32	47	5	0.05	-0.17	0.02	1.79	201	13.48	174	88	73	0	1	3	0
	JUNEAU	56	45	60	39	50	1	2.17	0.32	1.01	10.00	175	46.32	124	94	85	0	0	4	2
	KODIAK	58	41	61	36	49	1	2.03	0.07	1.84	4.99	84	56.98	112	92	75	0	0	3	1
	NOME	46	38	49	30	42	1	0.90	0.38	0.49	1.21	58	11.48	93	93	89	0	1	5	0
AZ	FLAGSTAFF	68	41	82	30	54	-2	0.79	0.32	0.48	0.88	52	18.07	107	85	32	0	2	3	0
	PHOENIX	94	73	105	62	84	-1	0.26	0.09	0.26	0.30	57	4.35	77	41	29	4	0	1	0
	PRESCOTT	77	51	88	41	64	0	1.13	0.70	1.03	2.05	119	12.81	85	74	26	0	0	2	1
	TUCSON	93	68	101	60	80	0	0.01	-0.29	0.01	1.30	115	9.90	111	60	33	5	0	1	0
AR	FORT SMITH	93	69	94	66	81	9	0.37	-0.50	0.37	1.79	64	28.44	92	91	40	6	0	1	0
	LITTLE ROCK	91	70	94	67	81	8	1.27	0.39	1.27	1.31	45	47.26	133	89	43	6	0	1	1
CA	BAKERSFIELD	91	64	105	55	78	2	0.00	-0.03	0.00	0.00	0	4.10	86	37	21	4	0	0	0
	FRESNO	89	61	104	52	75	1	0.00	-0.06	0.00	0.00	0	9.08	113	53	31	3	0	0	0
	LOS ANGELES	79	64	88	61	72	2	0.00	-0.05	0.00	0.01	5	6.01	61	79	54	0	0	0	0
	REDDING	89	60	99	50	75	3	0.00	-0.10	0.00	0.00	0	30.63	137	53	27	4	0	0	0
	SACRAMENTO	88	56	98	49	72	1	0.00	-0.08	0.00	0.00	0	12.75	104	75	18	4	0	0	0
	SAN DIEGO	78	65	86	61	72	1	0.32	0.29	0.16	0.32	291	5.33	68	83	64	0	0	3	0
	SAN FRANCISCO	76	57	88	52	67	3	0.00	-0.03	0.00	0.00	0	12.44	92	80	65	0	0	0	0
	STOCKTON	90	56	102	50	73	1	0.00	-0.08	0.00	0.00	0	12.12	130	70	35	3	0	0	0
CO	ALAMOSA	76	36	82	25	56	3	0.11	-0.07	0.07	0.26	37	7.61	136	79	33	0	3	2	0
	CO SPRINGS	84	52	90	41	68	10	0.00	-0.19	0.00	0.05	5	14.71	95	56	14	1	0	0	0
	DENVER INTL	84	52	90	38	68	8	0.00	-0.22	0.00	0.28	36	11.01	95	58	18	2	0	0	0
	GRAND JUNCTION	78	52	90	45	65	1	0.36	0.15	0.30	0.52	79	6.77	104	60	35	1	0	4	0
	PUEBLO	90	52	95	41	71	8	0.00	-0.13	0.00	0.05	7	10.36	97	51	21	5	0	0	0
CT	BRIDGEPORT	79	65	83	56	72	8	0.55	-0.26	0.55	1.30	45	26.06	80	85	63	0	0	1	1
	HARTFORD	79	57	85	44	68	6	0.76	-0.18	0.42	1.71	52	24.05	71	90	54	0	0	3	0
DC	WASHINGTON	83	69	90	63	76	7	0.46	-0.44	0.46	0.52	17	25.46	87	90	61	1	0	1	0
DE	WILMINGTON	83	62	89	53	72	6	0.97	0.01	0.97	1.09	34	30.54	95	93	53	0	0	1	1
FL	DAYTONA BEACH	90	73	91	72	82	3	0.24	-1.26	0.19	5.64	104	33.27	88	97	61	4	0	3	0
	JACKSONVILLE	90	71	92	67	80	3	0.33	-1.48	0.33	4.35	66	26.69	63	100	59	4	0	1	0
	KEY WEST	90	79	92	75	85	2	2.41	1.20	1.93	5.57	125	30.91	107	87	67	3	0	3	1
	MIAMI	91	76	92	75	83	1	3.06	1.22	0.75	4.73	68	51.73	114	95	64	5	0	7	3
	ORLANDO	93	75	94	72	84	3	1.16	-0.11	0.85	5.88	121	47.56	119	92	56	7	0	3	1
	PENSACOLA	90	76	96	75	83	5	0.00	-1.28	0.00	1.66	35	52.44	103	86	53	5	0	0	0
	TALLAHASSEE	93	73	95	71	83	5	0.83	-0.24	0.77	3.72	88	51.02	100	95	62	7	0	2	1
	TAMPA	92	78	93	77	85	4	0.02	-1.39	0.02	3.45	61	49.88	133	87	58	7	0	1	0
	WEST PALM BEACH	91	76	92	74	83	2	3.18	1.34	1.42	5.74	86	39.93	87	92	70	6	0	5	2
GA	ATHENS	89	67	93	65	78	7	0.90	0.09	0.90	1.08	38	32.04	88	96	54	4	0	1	1
	ATLANTA	88	71	92	70	80	8	0.71	-0.26	0.71	3.37	103	32.49	85	86	63	3	0	1	1
	AUGUSTA	88	67	92	64	78	5	0.01	-0.77	0.01	4.58	156	31.15	89	95	60	2	0	1	0
	COLUMBUS	94	71	96	69	82	7	0.01	-0.68	0.01	0.34	13	28.26	76	85	37	6	0	1	0
	MACON	91	68	95	66	80	7	0.18	-0.54	0.18	2.18	81	26.39	76	94	45	6	0	1	0
	SAVANNAH	89	72	93	70	80	4	0.01	-1.04	0.01	3.61	83	37.98	94	91	59	3	0	1	0
HI	HILO	84	71	85	69	77	1	3.33	1.28	2.24	11.92	157	80.05	90	92	81	0	0	7	2
	HONOLULU	86	74	88	71	80	-1	0.01	-0.18	0.01	2.90	744	11.43	107	78	69	0	0	1	0
	KAHULUI	89	74	91	72	81	2	0.33	0.25	0.33	1.22	436	11.03	89	80	68	4	0	1	0
	LIHUE	87	77	88	73	82	3	0.01	-0.66	0.01	0.49	25	11.22	45	76	70	0	0	1	0
ID	BOISE	73	51	83	47	62	0	0.25	0.08	0.19	0.25	46	5.22	62	70	46	0	0	2	0
	LEWISTON	70	53	75	49	61	-1	0.03	-0.14	0.02	0.52	91	10.15	109	68	47	0	0	2	0
	POCATELLO	70	49	83	44	60	3	1.50	1.31	0.91	2.17	344	9.42	103	85	55	0	0	4	1
IL	CHICAGO/O'HARE	79	63	88	56	71	9	0.55	-0.12	0.55	1.14	41	28.11	102	87	58	0	0	1	1
	MOLINE	85	63	89	54	74	11	0.32	-0.34	0.32	1.21	46	30.63	103	90	64	0	0	1	0
	PEORIA	87	64	91	58	76	12	0.00	-0.72	0.00	3.86	157	28.87	106	97	50	1	0	0	0
	ROCKFORD	81	62	88	53	71	10	1.40	0.66	1.04	2.93	101	29.35	102	90	61	0	0	3	1
	SPRINGFIELD	90	63	93	56	77	11	0.00	-0.62	0.00	1.45	64	37.30	138	92	37	5	0	0	0
IN	EVANSVILLE	90	63	94	61	76	8	0.00	-0.67	0.00	2.43	101	40.89	123	93	45	5	0	0	0
	FORT WAYNE	85	59	89	55	72	9	0.00	-0.60	0.00	4.08	177	27.89	101	92	45	0	0	0	0
	INDIANAPOLIS	86	63	88	57	74	9	0.00	-0.63	0.00	3.02	129	38.03	123	91	42	0	0	0	0
	SOUTH BEND	80	60	84	53	70	8	0.01	-0.83	0.01	3.06	99	37.47	128	91	61	0	0	1	0
IA	BURLINGTON	88	63	90	53	75	10	0.00	-0.82	0.00	0.37	13	24.61	84	100	50	1	0	0	0
	CEDAR RAPIDS	83	62	89	50	73	11	2.66	1.97	2.65	6.92	251	37.31	138	100	62	0	0	2	1
	DES MOINES	89	67	93	58	78	14	1.52	0.87	1.50	5.37	204	30.70	109	89	64	2	0	2	1
	DUBUQUE	77	60	86	50	68	8	1.92	1.18	0.55	5.14	171	34.30	121	96	75	0	0	4	3
	SIOUX CITY	88	63	93	54	75	13	1.48	0.94	1.23	2.30	118	26.65	124	90	59	3	0	2	1
	WATERLOO	81	59	86	48	70	9	3.59	2.98	3.21	7.02	288	35.65	132	94	64	0	0	3	1
KS	CONCORDIA	89	67	95	58	78	12	0.28	-0.28	0.27	2.00	99	28.21	119	92	58	5	0	2	0
	DODGE CITY	93	63	99	56	78	10	0.02	-0.33	0.02	0.31	22	22.32	119	88	33	6	0	1	0
	GOODLAND	88	54	94	45	71	9	0.12	-0.10	0.10	2.49	277	16.53	96	75	35	4	0	2	0
	TOPEKA	90	66	93	58	78	11	2.01	1.17	2.01	7.45	248	40.34	143	90	57	5	0	1	1

Based on 1971-2000 normals

***** Not Available**

Weather Data for the Week Ending September 24, 2016

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	91	68	95	62	79	10	0.58	-0.10	0.58	10.23	435	46.57	193	92	58	4	0	1	1
KY	JACKSON	84	64	88	61	74	7	0.42	-0.43	0.42	0.94	31	41.94	113	91	51	0	0	1	0
	LEXINGTON	89	62	92	59	76	9	0.00	-0.70	0.00	0.65	26	35.66	102	87	42	4	0	0	0
	LOUISVILLE	91	67	92	63	79	10	0.00	-0.70	0.00	0.68	28	34.35	102	87	34	5	0	0	0
	PADUCAH	90	61	94	59	75	7	0.00	-0.85	0.00	0.66	24	44.32	123	98	42	4	0	0	0
LA	BATON ROUGE	93	73	94	70	83	6	0.58	-0.48	0.58	2.48	62	76.70	158	96	47	7	0	1	1
	LAKE CHARLES	93	75	95	73	84	6	0.16	-1.22	0.15	3.19	66	60.10	140	96	53	7	0	2	0
	NEW ORLEANS	94	79	96	77	86	8	0.32	-0.86	0.28	4.65	97	60.06	120	86	58	7	0	2	0
	SHREVEPORT	94	71	97	67	82	6	0.02	-0.76	0.02	0.18	8	50.55	137	96	46	7	0	1	0
ME	CARIBOU	67	50	77	38	58	6	1.23	0.52	0.43	2.47	93	33.57	122	93	62	0	0	5	0
	PORTLAND	76	57	83	43	66	9	0.39	-0.40	0.23	0.62	24	24.15	76	92	55	0	0	3	0
MD	BALTIMORE	82	63	90	54	72	6	0.64	-0.29	0.64	0.73	23	31.82	101	93	58	1	0	1	1
MA	BOSTON	77	62	83	54	70	7	0.67	-0.13	0.34	1.03	38	21.29	70	89	54	0	0	2	0
	WORCESTER	75	58	81	48	66	7	2.13	1.14	1.91	2.62	79	26.01	74	92	52	0	0	4	1
MI	ALPENA	74	51	85	39	62	7	0.33	-0.28	0.29	2.06	90	22.75	105	92	49	0	0	2	0
	GRAND RAPIDS	77	56	83	52	67	7	0.33	-0.64	0.33	1.52	43	33.27	121	92	52	0	0	1	0
	HOUGHTON LAKE	73	49	81	40	61	6	0.20	-0.45	0.08	2.16	83	25.77	118	93	60	0	0	3	0
	LANSING	78	55	83	51	67	8	0.05	-0.70	0.05	1.48	51	24.95	105	91	57	0	0	1	0
	MUSKEGON	76	58	82	53	67	8	0.39	-0.36	0.34	5.18	177	30.33	128	93	61	0	0	2	0
	TRAVERSE CITY	75	57	82	48	66	8	0.18	-0.63	0.18	2.38	82	21.85	89	90	50	0	0	1	0
MN	DULUTH	68	50	73	44	59	6	0.10	-0.81	0.04	2.56	74	26.49	107	88	64	0	0	4	0
	INT'L FALLS	68	44	72	38	56	5	0.11	-0.56	0.08	1.42	57	21.96	113	91	51	0	0	2	0
	MINNEAPOLIS	76	60	84	54	68	9	2.65	2.11	1.86	5.25	230	31.56	132	86	70	0	0	5	2
	ROCHESTER	76	58	83	52	67	10	4.32	3.66	3.61	8.99	344	37.26	145	96	76	0	0	2	2
	ST. CLOUD	71	53	80	46	62	6	1.17	0.57	0.50	2.77	112	27.60	124	100	63	0	0	5	1
MS	JACKSON	94	68	96	62	81	7	0.00	-0.73	0.00	0.28	11	53.47	129	92	41	7	0	0	0
	MERIDIAN	97	69	101	65	83	8	0.01	-0.87	0.01	0.56	20	37.89	85	88	39	7	0	1	0
	TUPELO	94	66	98	64	80	8	0.40	-0.40	0.40	0.43	16	36.27	89	90	38	7	0	1	0
MO	COLUMBIA	88	65	93	58	76	10	0.00	-0.76	0.00	7.30	265	35.65	117	96	51	1	0	0	0
	KANSAS CITY	88	67	91	61	77	10	0.41	-0.72	0.41	4.72	130	44.15	149	86	55	2	0	1	0
	SAINT LOUIS	90	69	93	62	79	10	0.00	-0.68	0.00	4.68	200	33.15	115	81	45	5	0	0	0
	SPRINGFIELD	89	66	92	62	78	10	0.00	-1.12	0.00	3.70	94	29.32	89	87	55	2	0	0	0
MT	BILLINGS	66	52	80	48	59	1	0.57	0.24	0.24	1.58	161	9.33	80	81	50	0	0	6	0
	BUTTE	59	40	70	33	50	0	0.38	0.16	0.21	1.21	139	7.27	68	89	46	0	0	4	0
	CUT BANK	60	42	66	33	51	0	0.66	0.44	0.55	1.26	126	9.52	86	87	48	0	0	2	1
	GLASGOW	62	46	74	41	54	-1	0.97	0.76	0.34	1.50	197	17.23	181	80	61	0	0	5	0
	GREAT FALLS	62	44	71	40	53	-1	0.89	0.64	0.45	2.22	224	11.52	92	86	48	0	0	4	0
	HAVRE	63	45	72	38	54	0	0.84	0.62	0.70	1.80	220	15.29	158	80	60	0	0	3	1
	MISSOULA	64	47	70	40	55	1	0.49	0.26	0.24	1.01	117	9.23	87	86	56	0	0	3	0
NE	GRAND ISLAND	85	60	93	54	73	10	0.21	-0.31	0.21	2.54	125	21.94	100	87	63	1	0	1	0
	LINCOLN	89	65	96	57	77	13	0.15	-0.50	0.15	3.18	133	25.57	109	89	55	4	0	1	0
	NORFOLK	86	60	94	50	73	11	0.51	0.02	0.33	2.05	113	26.92	120	90	58	2	0	3	0
	NORTH PLATTE	88	54	96	43	71	10	0.13	-0.15	0.13	0.94	92	20.10	119	88	31	3	0	1	0
	OMAHA	89	66	93	56	78	14	1.20	0.47	1.19	4.20	164	30.52	124	84	59	4	0	2	1
	SCOTTSBLUFF	82	50	91	42	66	7	0.97	0.69	0.92	1.40	152	14.71	108	86	40	2	0	2	1
	VALENTINE	81	54	91	48	67	7	0.16	-0.20	0.16	1.52	124	24.05	143	82	49	2	0	1	0
NV	ELY	73	39	85	36	56	1	0.56	0.34	0.35	***	***	9.55	127	65	37	0	0	3	0
	LAS VEGAS	89	69	100	62	79	-1	0.00	-0.06	0.00	0.00	0	3.71	108	35	22	2	0	0	0
	RENO	80	51	93	42	66	5	0.00	-0.09	0.00	0.00	0	5.25	100	38	24	2	0	0	0
	WINNEMUCCA	75	43	89	30	59	0	0.00	-0.11	0.00	0.24	65	4.82	82	61	34	0	1	0	0
NH	CONCORD	78	56	86	39	67	9	2.28	1.56	2.15	2.68	109	20.89	78	89	50	0	0	3	1
NJ	NEWARK	83	64	90	56	73	7	1.48	0.55	1.03	1.70	52	26.31	75	87	47	1	0	3	1
NM	ALBUQUERQUE	84	55	89	42	70	2	0.26	0.04	0.19	0.43	51	3.79	53	57	18	0	0	2	0
NY	ALBANY	78	57	84	45	67	8	1.07	0.34	0.92	1.87	70	25.31	90	91	53	0	0	3	1
	BINGHAMTON	75	54	80	46	65	8	0.55	-0.27	0.55	0.68	24	24.63	86	95	51	0	0	1	1
	BUFFALO	77	57	82	47	67	7	0.00	-0.85	0.00	2.67	84	21.19	73	84	53	0	0	0	0
	ROCHESTER	78	57	85	45	68	8	0.75	-0.01	0.72	1.94	69	19.59	78	92	52	0	0	2	1
	SYRACUSE	77	54	84	44	66	6	1.56	0.60	1.56	3.67	110	27.08	93	98	50	0	0	1	1
NC	ASHEVILLE	84	61	90	57	72	8	0.04	-0.77	0.03	0.05	2	28.50	79	91	47	1	0	2	0
	CHARLOTTE	87	67	93	63	77	6	0.01	-0.87	0.01	1.26	42	22.80	70	87	50	2	0	1	0
	GREENSBORO	84	67	91	64	76	8	0.43	-0.59	0.21	0.52	15	31.31	95	97	62	1	0	4	0
	HATTERAS	86	73	89	71	80	6	2.39	1.13	1.14	8.84	190	61.10	146	95	67	0	0	5	2
	RALEIGH	83	69	92	64	76	6	2.10	1.09	1.30	3.68	109	40.41	122	96	72	2	0	5	1
	WILMINGTON	83	71	88	69	77	3	5.29	3.75	1.73	14.34	252	56.12	123	99	74	0	0	4	4
ND	BISMARCK	73	51	83	45	62	6	0.07	-0.28	0.04	1.09	85	19.63	139	87	50	0	0	2	0
	DICKINSON	68	46	78	39	57	2	1.65	1.29	1.52	3.33	269	15.27	111	91	42	0	0	3	1
	FARGO	73	54	80	48	64	8	0.53	0.05	0.20	2.60	151	18.06	105	81	49	0	0	3	0
	GRAND FORKS	73	50	78	45	62	7	0.45	0.03	0.37	4.08	260	23.10	145	87	45	0	0	3	0
	JAMESTOWN	72	51	79	46	61	5	0.63	0.24	0.38	3.91	285	22.74	146	93	48	0	0	2	0
	WILLISTON	66	48	79	39	57	3	1.90	1.60	1.09	3.34	321	15.09	128	85	59	0	0	4	1
OH	AKRON-CANTON	83	60	88	52	72	11	1.23	0.45	1.23	4.35	156	27.95	95	87	48	0	0	1	1
	CINCINNATI	87	63	90	60	75	9	0.05	-0.54	0.02	1.55	67	34.63	107	92	47	2	0	3	0
	CLEVELAND	83	62	89	57	72	10	0.00	-0.84	0.00	3.40	110	26.76	93	83	47	0	0	0	0
	COLUMBUS	86	62	90	59	74	9	0.00	-0.64	0.00	2.11	88	30.37	103	95	53	1	0	0	0
	DAYTON	86	60	90	57	73	9	0.00	-0.56	0.00	1.90	88	29.42	98	90	43	1	0	0	0
	MANSFIELD	84	59	89	53	72	11	0.00	-0.71	0.00	2.37	81	25.99	79	96	41	0	0	0	0

Based on 1971-2000 normals ***** Not Available**

Weather Data for the Week Ending September 24, 2016

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS PRECIP	
		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	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	82	58	86	53	70	8	0.00	-0.61	0.00	2.19	93	25.50	102	99	70	0	0	0	0
	YOUNGSTOWN	82	58	87	49	70	10	0.01	-0.89	0.01	2.39	75	30.89	107	95	53	0	0	1	0
OK	OKLAHOMA CITY	90	67	95	62	79	7	0.55	-0.43	0.31	3.92	130	23.83	87	95	51	3	0	2	0
	TULSA	94	70	97	65	82	10	0.00	-1.16	0.00	1.64	44	22.33	71	92	53	7	0	0	0
OR	ASTORIA	68	51	70	46	59	1	0.34	-0.28	0.18	2.16	112	43.01	108	90	75	0	0	3	0
	BURNS	70	38	81	29	54	0	0.08	-0.03	0.08	0.13	37	4.52	62	66	43	0	2	1	0
	EUGENE	71	48	74	42	60	-1	0.05	-0.28	0.03	0.78	64	21.74	71	89	71	0	0	3	0
	MEDFORD	75	52	88	44	64	-1	0.01	-0.16	0.01	0.01	2	10.01	91	75	37	0	0	1	0
	PENDLETON	66	48	71	41	57	-5	0.19	0.05	0.18	0.68	145	8.07	95	75	51	0	0	2	0
	PORTLAND	69	52	74	47	60	-3	0.05	-0.34	0.04	1.70	136	23.61	105	89	73	0	0	2	0
	SALEM	70	48	73	44	59	-2	0.52	0.19	0.44	1.54	145	23.69	100	90	73	0	0	3	0
PA	ALLENTOWN	83	58	90	50	71	9	0.80	-0.20	0.78	1.03	29	28.34	84	87	48	1	0	2	1
	ERIE	78	61	84	52	69	6	0.00	-1.07	0.00	4.47	116	32.53	107	83	60	0	0	0	0
	MIDDLETOWN	82	63	87	55	73	8	1.49	0.68	1.44	2.54	90	33.31	111	96	53	0	0	3	1
	PHILADELPHIA	83	66	89	59	74	7	1.29	0.39	1.29	1.74	55	27.19	85	84	56	0	0	1	1
	PITTSBURGH	83	60	88	56	71	8	0.01	-0.71	0.01	1.14	43	24.27	83	95	46	0	0	1	0
	WILKES-BARRE	80	59	85	45	69	8	1.07	0.16	0.61	1.96	64	23.63	84	92	49	0	0	3	1
	WILLIAMSPORT	82	59	88	49	71	9	1.58	0.65	1.47	1.98	62	26.00	84	96	53	0	0	2	1
RI	PROVIDENCE	80	61	86	52	70	8	1.19	0.37	0.83	1.94	64	27.78	83	88	57	0	0	3	1
SC	BEAUFORT	87	73	92	72	80	5	0.03	-1.03	0.01	6.37	139	33.63	83	94	61	3	0	3	0
	CHARLESTON	88	73	93	71	80	5	2.34	1.04	1.92	11.20	220	43.20	104	92	63	3	0	3	1
	COLUMBIA	88	70	92	68	79	6	0.37	-0.46	0.24	6.70	202	29.63	77	88	61	3	0	4	0
	GREENVILLE	89	67	95	65	78	8	0.04	-0.90	0.03	0.73	23	28.94	76	89	43	3	0	2	0
SD	ABERDEEN	77	54	85	50	65	7	0.17	-0.22	0.06	1.23	85	15.29	89	87	59	0	0	4	0
	HURON	81	57	89	54	69	10	0.09	-0.32	0.08	1.32	93	17.27	98	84	54	0	0	2	0
	RAPID CITY	75	51	85	45	63	4	0.46	0.23	0.41	0.84	104	11.81	85	85	44	0	0	3	0
	SIOUX FALLS	84	61	88	54	72	13	1.25	0.69	0.71	7.63	362	25.48	125	91	61	0	0	3	1
TN	BRISTOL	86	61	89	58	73	8	1.36	0.64	1.29	1.97	80	26.92	84	98	45	0	0	2	1
	CHATTANOOGA	90	67	94	65	79	8	0.95	-0.07	0.95	1.20	35	24.54	60	87	49	5	0	1	1
	KNOXVILLE	88	65	92	63	77	7	0.56	-0.17	0.56	0.91	38	31.73	87	89	40	4	0	1	1
	MEMPHIS	93	71	97	68	82	8	0.01	-0.76	0.01	0.67	25	50.47	129	83	43	6	0	1	0
	NASHVILLE	90	66	93	63	78	8	0.32	-0.51	0.32	1.64	56	33.24	93	91	40	4	0	1	0
TX	ABILENE	91	69	94	66	80	6	1.31	0.65	1.31	4.25	187	31.36	178	87	54	5	0	1	1
	AMARILLO	90	61	93	56	75	7	0.00	-0.37	0.00	0.84	54	15.72	95	83	27	3	0	0	0
	AUSTIN	94	71	97	68	83	5	0.09	-0.62	0.05	1.09	51	45.97	193	91	52	7	0	2	0
	BEAUMONT	94	75	96	73	84	6	0.06	-1.37	0.05	3.62	74	61.14	139	95	50	7	0	2	0
	BROWNSVILLE	97	77	98	76	87	7	0.00	-1.28	0.00	0.77	18	14.44	73	91	49	7	0	0	0
	CORPUS CHRISTI	96	77	99	76	86	6	0.41	-0.78	0.27	0.89	22	26.17	110	92	57	7	0	2	0
	DEL RIO	93	73	95	70	83	4	1.38	0.88	1.38	3.59	233	25.44	182	88	58	7	0	1	1
	EL PASO	93	67	97	64	80	6	0.00	-0.35	0.00	1.16	91	6.83	96	48	19	6	0	0	0
	FORT WORTH	96	75	100	71	86	10	0.73	0.12	0.38	0.85	51	29.52	119	78	38	7	0	2	0
	GALVESTON	91	80	93	79	86	6	0.20	-1.13	0.11	1.50	32	42.19	131	90	62	5	0	3	0
	HOUSTON	94	75	97	73	85	7	0.71	-0.28	0.71	1.19	34	54.76	158	95	61	7	0	1	1
	LUBBOCK	88	64	93	61	76	6	0.02	-0.56	0.02	1.48	72	11.40	76	88	55	2	0	1	0
	MIDLAND	93	68	95	65	81	8	0.00	-0.55	0.00	1.99	114	12.34	110	80	44	7	0	0	0
	SAN ANGELO	96	69	99	65	82	8	0.30	-0.39	0.28	2.53	111	28.05	180	84	45	7	0	2	0
	SAN ANTONIO	95	75	97	69	85	7	0.58	-0.12	0.58	0.77	34	30.22	127	87	43	7	0	1	1
	VICTORIA	94	72	97	68	83	4	0.33	-0.88	0.17	2.53	65	32.11	108	98	63	6	0	2	0
	WACO	96	73	99	65	85	8	0.28	-0.45	0.28	0.33	16	32.32	138	93	50	7	0	1	0
	WICHITA FALLS	92	69	96	63	81	7	5.97	5.23	5.42	9.65	392	32.03	148	89	63	7	0	2	2
UT	SALT LAKE CITY	78	54	92	47	66	3	1.61	1.28	0.76	1.87	197	10.19	85	68	35	1	0	3	2
VT	BURLINGTON	77	57	84	46	67	9	0.64	-0.22	0.51	1.27	41	20.47	76	87	48	0	0	3	1
VA	LYNCHBURG	83	62	90	59	73	7	1.58	0.64	1.53	1.58	52	35.29	108	98	60	1	0	2	1
	NORFOLK	81	69	87	65	75	4	9.91	8.99	3.81	13.15	403	55.52	157	99	76	0	0	5	3
	RICHMOND	81	67	88	64	74	6	2.25	1.31	1.64	3.97	126	37.39	112	94	73	0	0	5	2
	ROANOKE	86	63	91	60	74	8	0.83	-0.06	0.83	1.16	38	34.93	107	90	52	1	0	1	1
	WASH/DULLES	83	63	91	56	73	7	0.23	-0.64	0.23	0.40	13	28.39	91	91	69	1	0	1	0
WA	OLYMPIA	66	44	70	38	55	-2	0.40	-0.07	0.25	1.71	112	29.35	98	93	78	0	0	2	0
	QUILLAYUTE	64	47	71	40	56	0	0.89	-0.13	0.50	4.15	142	62.34	102	94	76	0	0	4	1
	SEATTLE-TACOMA	66	52	68	49	59	-1	0.09	-0.28	0.08	1.03	84	24.76	113	84	68	0	0	2	0
	SPOKANE	66	45	68	40	56	-1	0.01	-0.16	0.01	0.20	35	9.00	82	81	36	0	0	1	0
	YAKIMA	75	43	79	39	59	0	0.00	-0.07	0.00	0.16	57	6.05	117	70	39	0	0	0	0
WV	BECKLEY	79	58	83	53	69	7	1.18	0.42	1.03	1.58	62	38.63	119	93	59	0	0	2	1
	CHARLESTON	87	61	92	56	74	9	0.33	-0.44	0.33	0.38	13	32.92	98	96	44	4	0	1	0
	ELKINS	83	54	88	50	69	8	0.26	-0.60	0.19	0.37	12	31.35	88	95	42	0	0	2	0
	HUNTINGTON	88	63	93	59	76	10	0.23	-0.38	0.23	0.34	15	36.51	113	95	43	4	0	1	0
WI	EAU CLAIRE	74	55	80	45	65	7	5.72	4.94	4.96	7.51	236	34.57	131	97	61	0	0	4	1
	GREEN BAY	74	55	82	51	65	8	1.54	0.89	1.08	3.95	152	25.57	112	99	65	0	0	3	1
	LA CROSSE	78	62	84	54	70	9	4.70	3.98	3.16	10.32	361	41.16	156	94	55	0	0	2	2
	MADISON	76	59	84	53	68	9	3.56	2.93	2.58	6.72	256	39.09	148	97	71	0	0	3	2
	MILWAUKEE	77	62	87	58	69	7	1.38	0.68	0.69	3.16	115	23.81	89	90	61	0	0	3	2
WY	CASPER	73	47	88	40	60	4	0.64	0.40	0.27	1.56	229	14.95	147	78	44	0	0	4	0
	CHEYENNE	78	50	87	37	64	9	0.28	-0.03	0.20	0.84	72	15.50	116	58	33	0	0	2	0
	LANDER	71	47	88	39	59	2	1.10	0.81	0.73	1.68	213	19.22	190	75	38	0	0	3	1
	SHERIDAN	68	49	82	44	58	3	2.92	2.59	2.19	3.75	375	15.45	135	84	61	0	0	6	2

Based on 1971-2000 normals ***** Not Available**

National Agricultural Summary

September 19 – 25, 2016

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Unseasonably warm conditions blanketed the eastern two-thirds of the nation, while cool to near-normal temperatures were recorded in the Western States. Most notably, temperatures averaged more than 9°F above normal in most of the Corn Belt. Excessive precipitation covered much of the upper Midwest and portions of the Mid Atlantic Coast during the week, with some areas receiving more than 5 inches of rain. Elsewhere, dry conditions during the week across the South promoted crop maturity.

Corn: Ninety-seven percent of the 2016 corn crop was dented by September 25, slightly ahead of both last year and the 5-year average. By week's end, 73 percent of the corn was mature, 7 percentage points ahead of last year and 9 points ahead of the 5-year average. During the week, at least 20 percent of the corn advanced to the mature stage in Illinois, Iowa, Michigan, Minnesota, Nebraska, and South Dakota. By September 25, producers had harvested 15 percent of the nation's corn, slightly behind last year and 4 percentage points behind the 5-year average. Harvest progress was behind the 5-year average pace in 12 of the 18 estimating states. Overall, 74 percent of the corn was reported in good to excellent condition, unchanged from last week but 6 percentage points above the same time last year.

Soybeans: Nationwide, 68 percent of the soybean crop was at or beyond the leaf-dropping stage by September 25, slightly behind last year but 4 percentage points ahead of the 5-year average. Leaf dropping advanced 31 percentage points during the week in Illinois. By week's end, 10 percent of the soybeans were harvested, 7 percentage points behind last year and 3 points behind the 5-year average. Double-digit harvest progress was observed during the week in Arkansas, Louisiana, Minnesota, Mississippi, and North Dakota. Overall, 73 percent of the soybeans were reported in good to excellent condition, unchanged from last week but 11 percentage points above the same time last year.

Winter Wheat: By September 25, producers had sown 30 percent of the nation's intended 2017 acreage, 2 percentage points ahead of last year but equal to the 5-year average. Drier conditions allowed for rapid planting progress in Nebraska—72 percent complete and 11 percentage points ahead of the 5-year average. By week's end, 8 percent of the winter wheat had emerged, 2 percentage points ahead of last year but equal to the 5-year average.

Cotton: Sixty-three percent of this year's cotton was at or beyond the boll-opening stage by week's end, 3 percentage points behind last year and 2 points behind the 5-year average. Nationally, 10 percent of the cotton had been harvested by September 25, equal to both last year and the 5-year average. With warm, dry conditions in the Delta, the cotton harvest advanced 17 percentage points during the week in Louisiana, 12 points in Arkansas, and 11 points in Mississippi. Overall, 48 percent of the cotton was reported in good to excellent condition, unchanged from last week but 2 percentage points lower than at the same time last year.

Sorghum: By week's end, 94 percent of the sorghum was at or beyond the coloring stage, equal to last year but 7 percentage points ahead of the 5-year average. Crop maturity advanced to 61 percent complete by September 25, equal to last year but 9 percentage points ahead of the 5-year average. Nationwide, 34 percent of the crop was harvested by week's end, slightly behind last year but 2 percentage points ahead of the 5-year average. Overall, 66 percent of the sorghum was reported in good to excellent condition, unchanged from last week but slightly better than at the same time last year.

Rice: Nationally, producers had harvested 73 percent of this year's rice by September 25, eight percentage points ahead of last year and 14 points ahead of the 5-year average. The rice harvest was complete in Texas and nearly complete in Louisiana.

Other Crops: By week's end, 16 percent of the peanut crop was harvested, slightly ahead of last year and 4 percentage points ahead of the 5-year average. Overall, 63 percent of the peanuts were reported in good to excellent condition, up slightly from last week but 8 percentage points lower than at the same time last year.

By September 25, producers had harvested 14 percent of the sugarbeet crop, 2 percentage points behind last year but 3 points ahead of the 5-year average. In Minnesota, saturated soils made fieldwork a challenge, although the sugarbeet harvest slowly continued.

Crop Progress and Condition

Week Ending September 25, 2016

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

Corn Percent Dented

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
CO	99	88	95	97
IL	100	95	98	98
IN	94	95	99	94
IA	97	95	98	96
KS	97	96	98	98
KY	98	94	96	97
MI	91	79	90	89
MN	98	96	98	96
MO	99	100	100	99
NE	95	95	98	98
NC	100	100	100	100
ND	95	88	95	93
OH	98	89	96	93
PA	94	85	90	92
SD	94	89	96	95
TN	99	99	100	99
TX	89	93	94	95
WI	89	90	95	86
18 Sts	96	93	97	96

These 18 States planted 93% of last year's corn acreage.

Corn Percent Mature

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
CO	56	22	41	48
IL	86	63	88	78
IN	65	56	74	63
IA	65	52	72	67
KS	81	65	81	79
KY	89	83	89	87
MI	41	26	50	42
MN	60	45	70	54
MO	79	82	93	84
NE	60	45	69	61
NC	98	98	99	98
ND	43	40	59	47
OH	63	39	57	45
PA	71	40	53	57
SD	58	41	64	57
TN	93	93	98	92
TX	75	75	76	82
WI	39	49	66	41
18 Sts	66	53	73	64

These 18 States planted 93% of last year's corn acreage.

Corn Percent Harvested

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
CO	5	0	5	8
IL	25	9	24	25
IN	15	7	15	14
IA	4	2	4	11
KS	38	17	29	40
KY	47	41	59	47
MI	3	1	1	4
MN	2	0	3	9
MO	41	25	38	44
NE	9	2	7	13
NC	77	82	87	77
ND	2	2	3	6
OH	8	3	8	6
PA	22	8	13	12
SD	6	3	6	11
TN	58	61	79	61
TX	62	63	64	67
WI	2	1	2	4
18 Sts	16	9	15	19

These 18 States harvested 95% of last year's corn acreage.

Corn Condition by Percent

	VP	P	F	G	EX
CO	1	3	23	57	16
IL	1	3	13	57	26
IN	3	6	19	54	18
IA	1	3	14	57	25
KS	2	7	26	54	11
KY	2	5	20	57	16
MI	3	9	27	49	12
MN	1	3	12	57	27
MO	2	4	18	55	21
NE	1	5	20	57	17
NC	3	7	24	49	17
ND	1	3	17	63	16
OH	6	14	36	39	5
PA	7	13	34	38	8
SD	4	13	30	45	8
TN	2	8	26	46	18
TX	2	11	31	45	11
WI	1	2	10	44	43
18 Sts	2	5	19	54	20
Prev Wk	2	5	19	54	20
Prev Yr	3	7	22	49	19

Winter Wheat Percent Planted

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AR	1	1	3	3
CA	2	0	4	3
CO	54	36	55	52
ID	32	22	38	35
IL	4	0	1	4
IN	9	3	6	6
KS	20	9	20	22
MI	14	8	18	13
MO	5	0	3	4
MT	60	23	46	53
NE	63	45	72	61
NC	0	0	0	1
OH	10	1	5	6
OK	17	19	25	25
OR	18	9	15	19
SD	65	20	42	53
TX	22	14	30	27
WA	57	44	65	64
18 Sts	28	17	30	30

These 18 States planted 90% of last year's winter wheat acreage.

Winter Wheat Percent Emerged

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AR	0	NA	0	0
CA	0	NA	0	0
CO	20	14	20	18
ID	8	9	19	4
IL	0	NA	0	1
IN	0	NA	0	0
KS	3	NA	3	5
MI	0	NA	2	0
MO	0	NA	0	0
MT	9	NA	1	7
NE	20	8	42	21
NC	0	NA	0	0
OH	0	NA	0	0
OK	1	NA	1	3
OR	1	1	3	1
SD	15	NA	3	10
TX	1	NA	10	5
WA	34	20	35	39
18 Sts	6	NA	8	8

These 18 States planted 90% of last year's winter wheat acreage.

Crop Progress and Condition

Week Ending September 25, 2016

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

Soybeans Percent Dropping Leaves

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AR	59	60	71	54
IL	69	31	62	62
IN	76	45	68	72
IA	65	46	68	58
KS	45	19	34	48
KY	52	24	42	49
LA	90	74	84	86
MI	76	35	63	63
MN	84	56	83	74
MS	79	66	78	73
MO	28	21	42	36
NE	74	51	75	68
NC	41	30	44	28
ND	92	74	87	89
OH	79	48	76	67
SD	85	67	88	83
TN	60	54	68	52
WI	60	50	73	55
18 Sts	69	46	68	64

These 18 States planted 95% of last year's soybean acreage.

Soybeans Percent Harvested

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AR	31	21	32	27
IL	18	0	6	9
IN	18	2	9	10
IA	5	0	4	9
KS	4	0	2	4
KY	15	7	13	9
LA	72	44	59	65
MI	10	0	1	5
MN	28	2	13	19
MS	55	34	45	45
MO	6	1	5	3
NE	10	2	9	10
NC	4	4	6	2
ND	26	2	12	21
OH	19	1	6	9
SD	17	2	11	17
TN	12	5	14	8
WI	3	0	1	5
18 Sts	17	4	10	13

These 18 States harvested 95% of last year's soybean acreage.

Soybean Condition by Percent

	VP	P	F	G	EX
AR	7	7	26	44	16
IL	2	3	15	57	23
IN	2	5	18	54	21
IA	1	3	15	58	23
KS	1	4	24	56	15
KY	2	5	19	57	17
LA	4	13	32	46	5
MI	2	6	24	53	15
MN	2	3	16	54	25
MS	1	7	20	45	27
MO	2	3	19	57	19
NE	1	3	19	59	18
NC	2	7	29	48	14
ND	2	5	19	60	14
OH	2	9	33	47	9
SD	3	10	26	50	11
TN	0	4	18	55	23
WI	1	3	12	46	38
18 Sts	2	5	20	54	19
Prev Wk	2	5	20	54	19
Prev Yr	3	9	26	47	15

Cotton Percent Bolls Opening

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AL	76	82	88	67
AZ	79	82	90	87
AR	84	88	96	86
CA	86	50	73	68
GA	84	79	85	77
KS	36	23	39	43
LA	96	96	99	96
MS	90	83	90	84
MO	69	51	68	63
NC	81	66	76	76
OK	43	39	58	58
SC	83	60	71	69
TN	65	67	80	66
TX	56	31	49	57
VA	76	38	54	74
15 Sts	66	48	63	65

These 15 States planted 99% of last year's cotton acreage.

Cotton Percent Harvested

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AL	5	1	6	4
AZ	14	13	15	12
AR	7	3	15	6
CA	0	0	0	0
GA	5	4	8	5
KS	3	2	3	1
LA	27	10	27	36
MS	13	4	15	11
MO	0	0	5	4
NC	3	2	3	3
OK	0	0	0	0
SC	8	1	2	5
TN	3	4	7	4
TX	15	9	11	15
VA	0	0	0	0
15 Sts	10	6	10	10

These 15 States harvested 98% of last year's cotton acreage.

Cotton Condition by Percent

	VP	P	F	G	EX
AL	0	5	42	43	10
AZ	4	0	12	52	32
AR	6	6	17	44	27
CA	0	0	30	30	40
GA	4	10	32	43	11
KS	1	2	29	64	4
LA	2	12	37	43	6
MS	1	7	30	45	17
MO	5	14	52	26	3
NC	3	8	32	50	7
OK	0	0	48	47	5
SC	0	1	50	46	3
TN	1	3	16	58	22
TX	5	15	38	34	8
VA	0	4	42	54	0
15 Sts	4	12	36	38	10
Prev Wk	4	12	36	39	9
Prev Yr	2	11	37	41	9

Crop Progress and Condition

Week Ending September 25, 2016

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

Sorghum Percent Coloring

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AR	100	100	100	100
CO	92	86	92	87
IL	89	85	92	93
KS	95	92	96	85
LA	100	100	100	100
MO	94	91	93	92
NE	95	98	100	93
NM	64	55	60	53
OK	95	92	95	86
SD	92	92	99	95
TX	94	82	91	90
11 Sts	94	88	94	87

These 11 States planted 98% of last year's sorghum acreage.

Sorghum Percent Mature

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AR	99	100	100	99
CO	45	19	34	34
IL	63	43	61	67
KS	52	29	46	32
LA	100	100	100	100
MO	66	58	69	56
NE	52	42	63	40
NM	11	16	17	4
OK	61	52	60	54
SD	37	47	67	42
TX	75	78	79	77
11 Sts	61	51	61	52

These 11 States planted 98% of last year's sorghum acreage.

Sorghum Percent Harvested

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AR	88	97	99	83
CO	4	0	2	4
IL	24	4	12	13
KS	13	5	10	6
LA	98	99	100	99
MO	20	8	19	15
NE	2	0	11	2
NM	0	0	0	0
OK	35	24	32	28
SD	3	3	13	12
TX	62	61	65	65
11 Sts	35	29	34	32

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	30	58	7
IL	2	5	24	60	9
KS	1	3	21	59	16
LA	0	15	30	43	12
MO	0	2	29	59	10
NE	0	1	14	61	24
NM	0	4	73	22	1
OK	0	1	29	65	5
SD	0	3	42	53	2
TX	2	8	34	41	15
11 Sts	1	5	28	52	14
Prev Wk	1	5	28	52	14
Prev Yr	2	6	27	54	11

Peanuts Percent Harvested

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AL	17	5	12	9
FL	39	27	39	27
GA	11	9	17	10
NC	5	2	5	6
OK	7	0	3	3
SC	11	10	11	17
TX	16	1	2	6
VA	6	1	4	2
8 Sts	15	9	16	12

These 8 States harvested 97% of last year's peanut acreage.

Peanut Condition by Percent

	VP	P	F	G	EX
AL	0	1	51	42	6
FL	0	4	22	65	9
GA	4	10	26	43	17
NC	0	4	16	67	13
OK	0	0	10	86	4
SC	0	5	22	65	8
TX	1	6	35	42	16
VA	0	16	15	69	0
8 Sts	2	7	28	50	13
Prev Wk	2	7	29	49	13
Prev Yr	0	4	25	55	16

Rice Percent Harvested

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
AR	68	73	84	63
CA	29	7	18	15
LA	97	92	95	97
MS	71	63	72	66
MO	40	53	72	42
TX	98	99	100	98
6 Sts	65	64	73	59

These 6 States harvested 100% of last year's rice acreage.

Sugarbeets Percent Harvested

	Prev Year	Prev Week	Sep 25 2016	5-Yr Avg
ID	14	15	20	13
MI	19	9	11	11
MN	16	12	14	10
ND	16	9	12	12
4 Sts	16	11	14	11

These 4 States harvested 84% of last year's sugarbeet acreage.

Crop Progress and Condition

Week Ending September 25, 2016

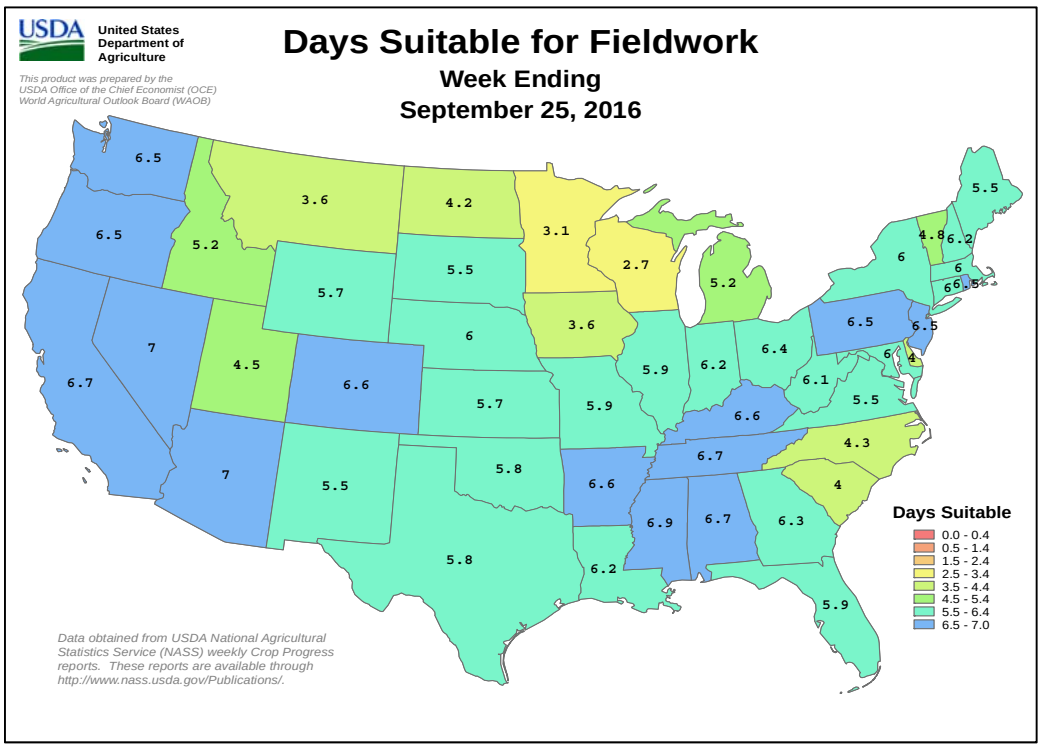
Weekly U.S. Progress and Condition Data provided by USDA/NASS

Pasture and Range Condition by Percent
Week Ending Sep 25, 2016

	VP	P	F	G	EX		VP	P	F	G	EX
AL	12	17	31	37	3	NH	41	31	27	1	0
AZ	10	12	32	36	10	NJ	1	12	45	38	4
AR	1	9	37	43	10	NM	2	20	44	29	5
CA	25	20	30	25	0	NY	5	12	39	37	7
CO	3	6	29	54	8	NC	9	27	31	29	4
CT	0	42	50	8	0	ND	5	11	28	51	5
DE	13	31	27	23	6	OH	9	18	32	36	5
FL	2	2	25	58	13	OK	2	11	39	42	6
GA	16	26	34	21	3	OR	35	21	26	15	3
ID	4	18	42	31	5	PA	22	16	38	21	3
IL	1	2	15	60	22	RI	1	59	40	0	0
IN	2	7	28	55	8	SC	4	21	28	43	4
IA	2	6	27	54	11	SD	8	18	36	36	2
KS	1	4	23	59	13	TN	9	21	39	27	4
KY	3	9	28	52	8	TX	2	8	31	44	15
LA	2	14	41	40	3	UT	4	15	39	36	6
ME	37	21	24	18	0	VT	0	26	59	15	0
MD	4	15	32	43	6	VA	11	24	37	25	3
MA	31	50	19	0	0	WA	10	23	23	41	3
MI	3	11	27	47	12	WV	11	16	40	31	2
MN	1	5	21	55	18	WI	1	4	16	53	26
MS	3	10	36	45	6	WY	13	16	31	35	5
MO	0	3	29	57	11	48 Sts	6	12	31	43	8
MT	13	21	37	24	5						
NE	3	8	25	56	8	Prev Wk	6	12	31	42	9
NV	15	20	30	35	0	Prev Yr	7	15	35	37	6

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

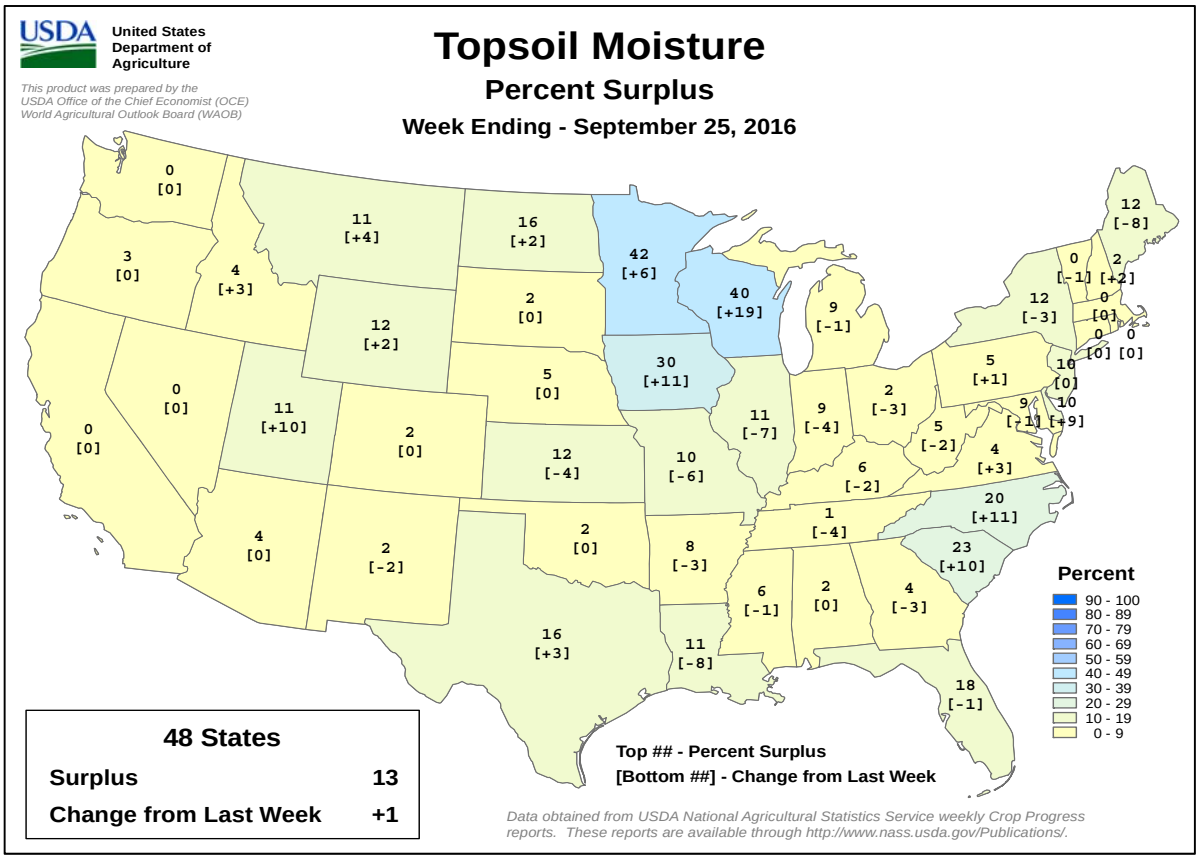
NA - Not Available
*** Revised**

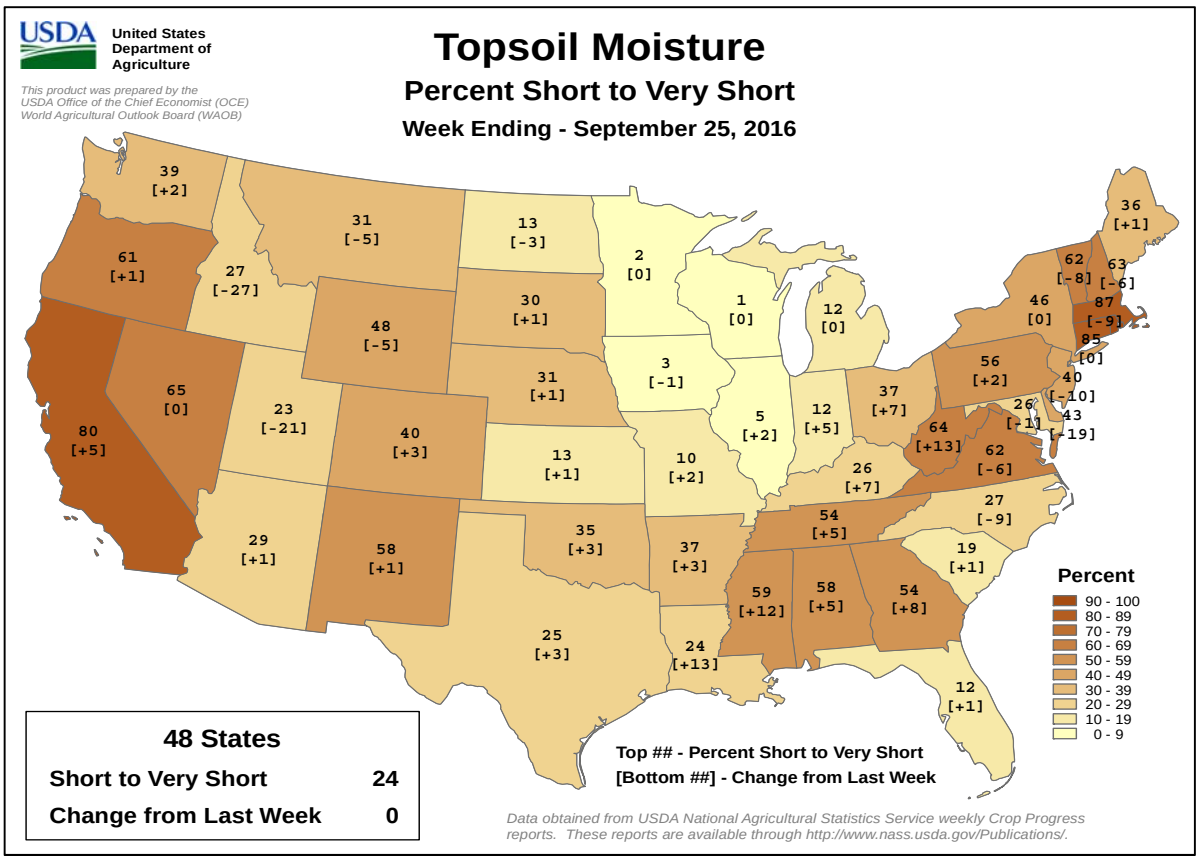


Crop Progress and Condition

Week Ending September 25, 2016

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

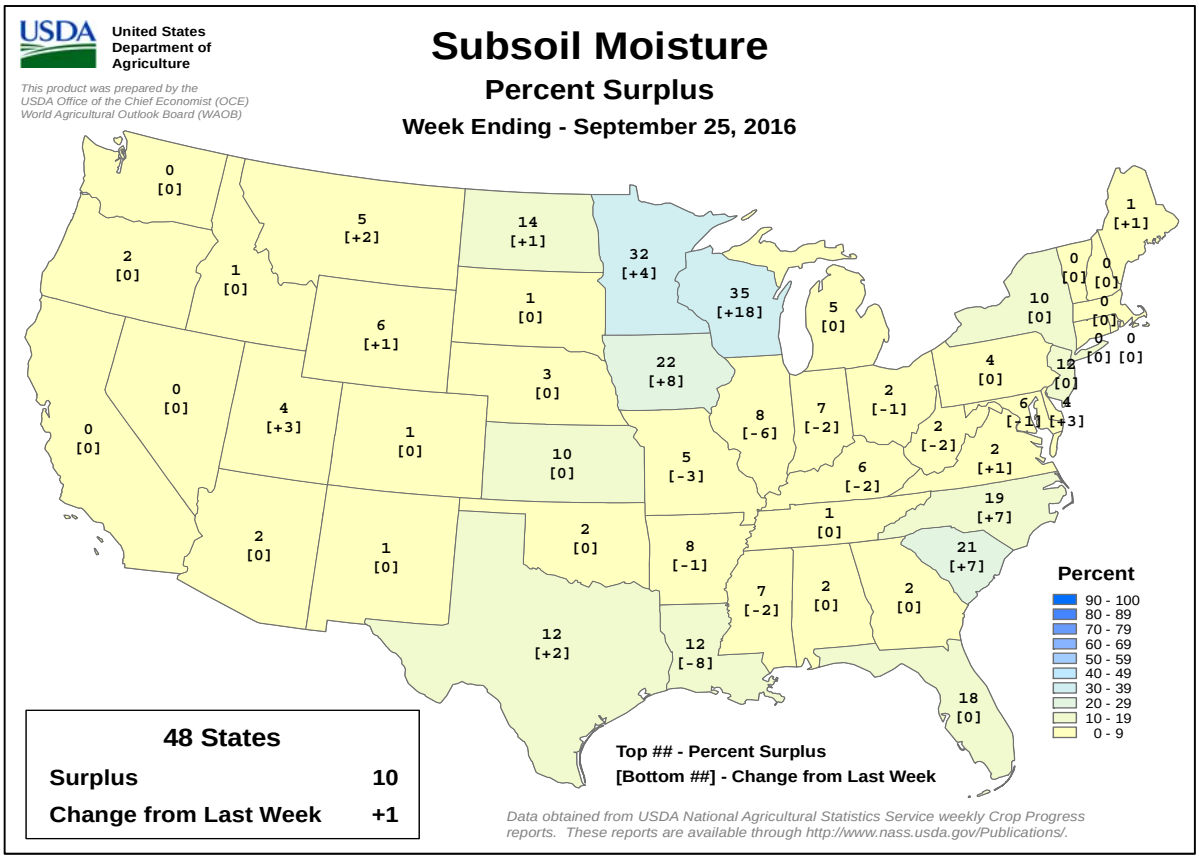


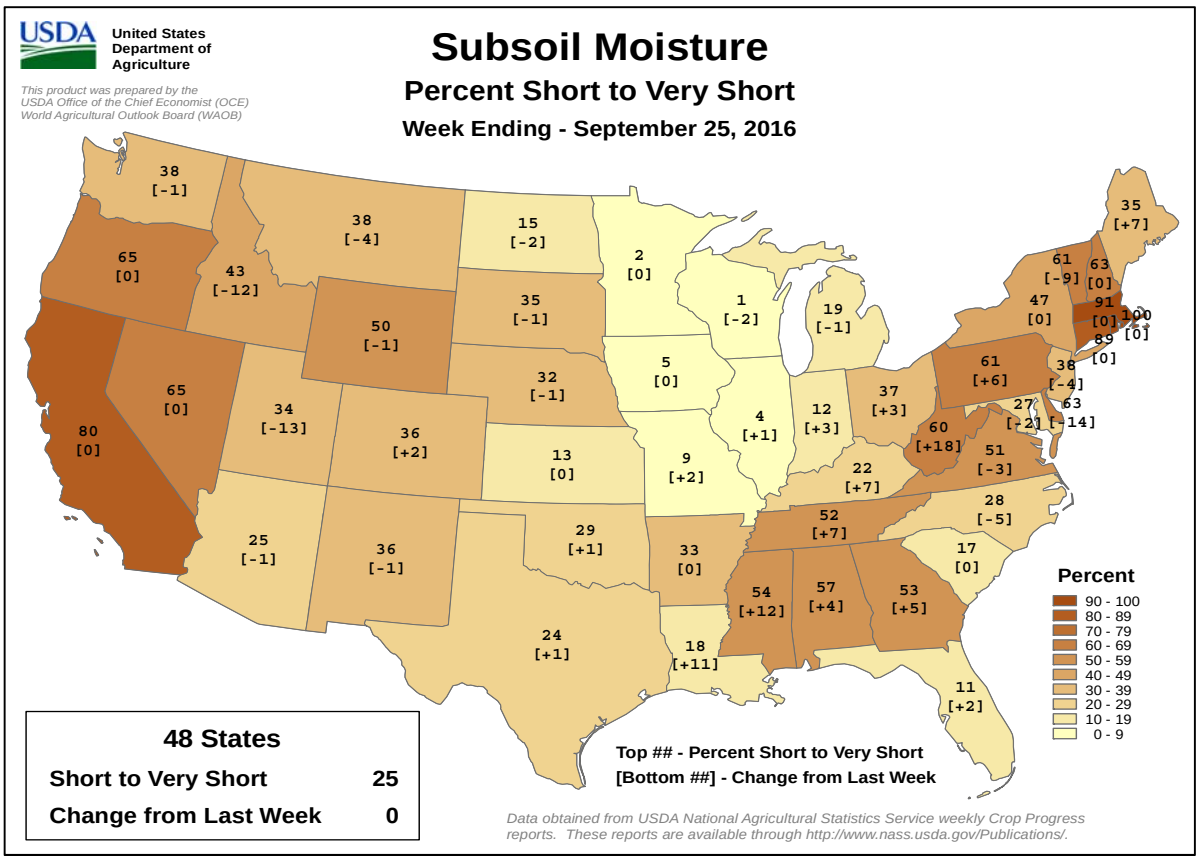


Crop Progress and Condition

Week Ending September 25, 2016

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





International Weather and Crop Summary

September 18-24, 2016

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

HIGHLIGHTS

EUROPE: Dry weather promoted fieldwork but renewed concerns over soil moisture deficits in parts of France, Germany, and Poland.

WESTERN FSU: Showers provided much-needed moisture for winter wheat in Ukraine, though portions of the country remained too dry for crop establishment.

EASTERN FSU: Dry weather favored wheat and cotton harvesting over most of the region.

MIDDLE EAST: The season's first widespread soaking rainfall in Turkey improved soil moisture for winter grain planting and establishment.

SOUTH ASIA: The monsoon was withdrawing from northern and western India at a slow pace, providing some unwelcomed late-season wetness to maturing crops.

EAST ASIA: Typhoon Malakas brought unwelcomed wet conditions to the rice harvest in Japan, while dry conditions benefited summer crop harvesting in China.

SOUTHEAST ASIA: Heavy monsoon showers benefited reproductive rice in the region but caused localized flooding.

AUSTRALIA: Rain continued, helping sustain good to excellent yield prospects as winter crops advance through the reproductive and latter stages of development.

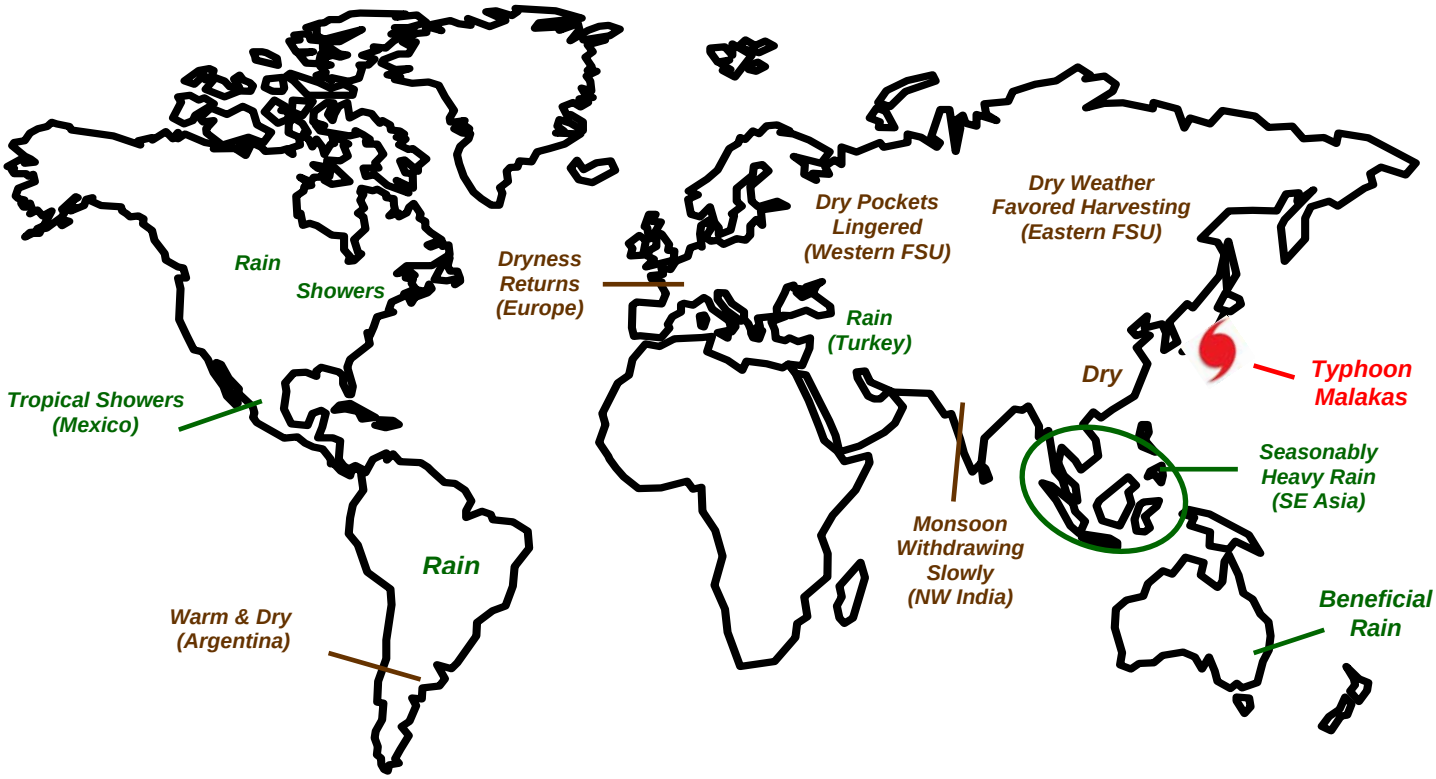
ARGENTINA: Dry, generally warm weather spurred winter wheat growth.

BRAZIL: Rain prompted soybean and corn planting in Mato Grosso.

MEXICO: Tropical moisture spurred a resurgence of monsoon showers.

CANADIAN PRAIRIES: Locally heavy rain disrupted spring grain and oilseed harvesting.

SOUTHEASTERN CANADA: Warmth and dryness favored autumn fieldwork.



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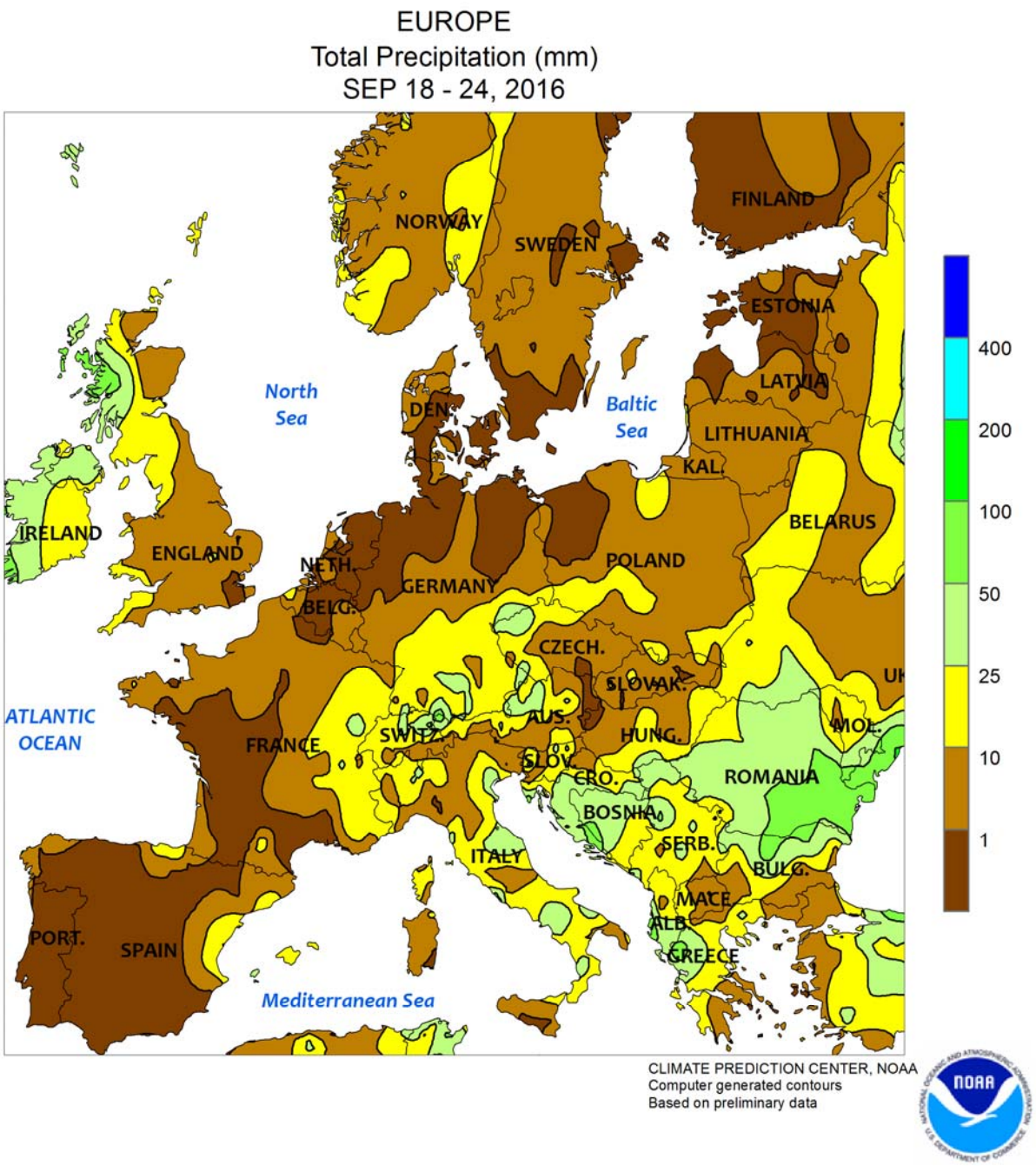
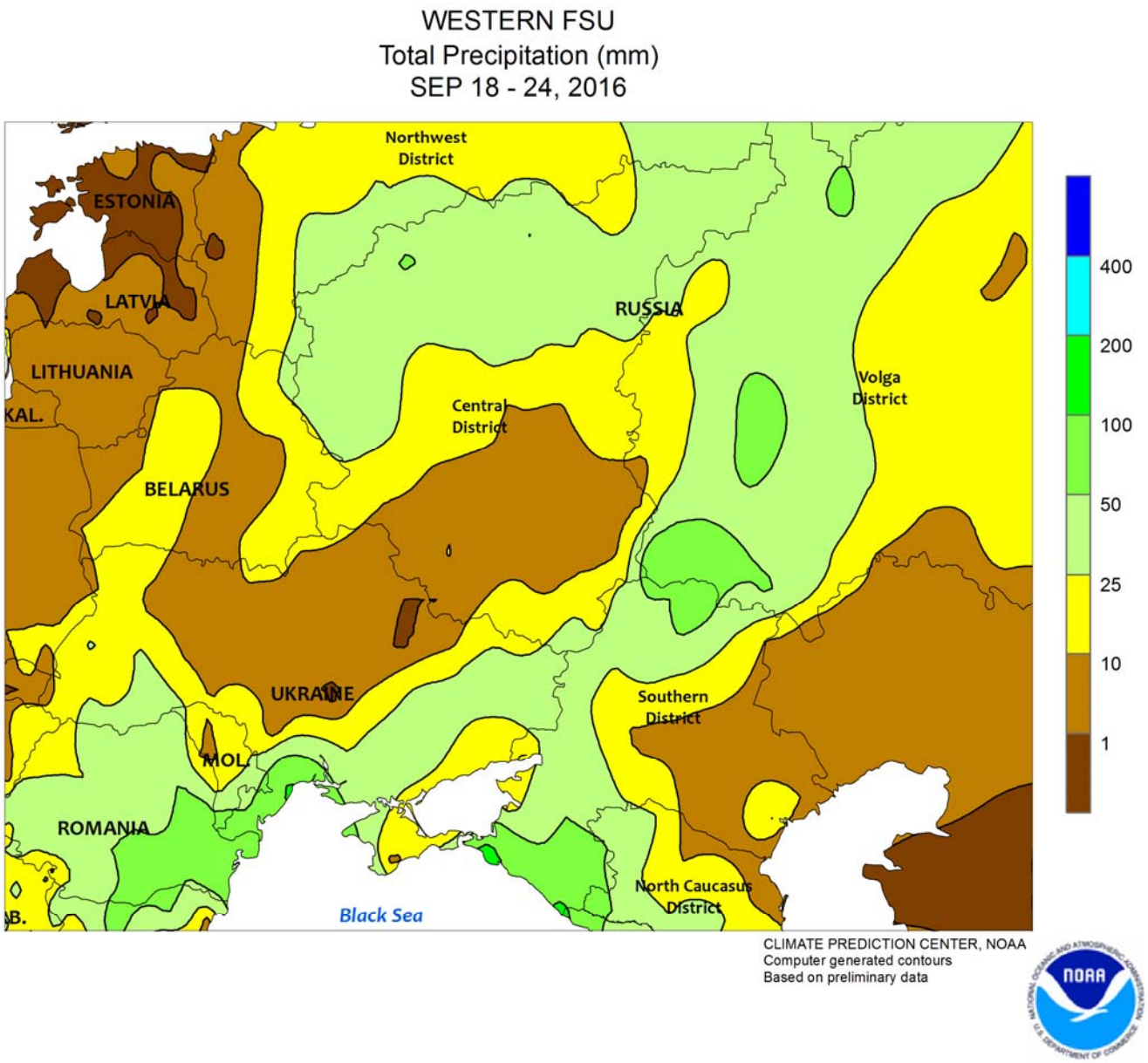


EUROPE

The return of dry weather to northern and western Europe facilitated fieldwork but left soils in need of more moisture. Following last week's beneficial rain, sunny skies from France into northern portions of Germany and Poland promoted summer crop harvesting and winter crop planting. However, many of these same locales need additional moisture for winter crop establishment, with 60-day rainfall locally less than 50 percent of normal. Dry conditions also lingered in Spain, where the wet season (September – February) has gotten off to a slow start. In southeastern England, where late-summer and early-autumn rain has been sufficient, dry weather promoted winter wheat and rapeseed planting as well as small grain harvesting. Farther south, light to moderate showers (2-30 mm) maintained adequate to abundant soil moisture for winter crops from southern Germany into the northern Balkans. Meanwhile, moderate to heavy rainfall (20-65 mm) across the lower Danube River Valley erased the last vestiges of this summer's locally severe drought and boosted soil moisture for winter crop establishment. Temperatures for the week over Europe averaged within a degree or two of normal, though somewhat warmer conditions (2-5°C above normal) were noted over northern-most growing areas.

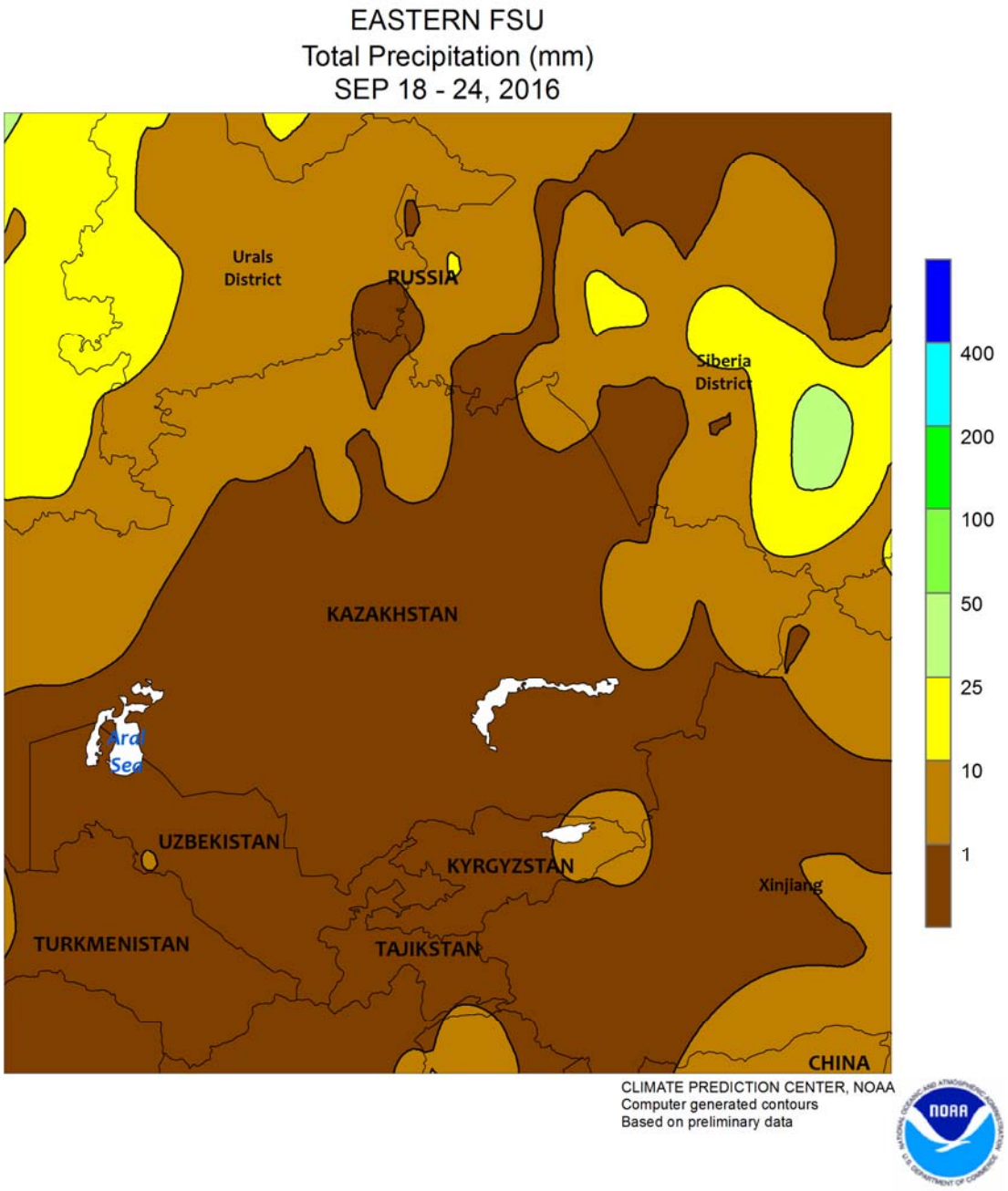
For additional information contact: mbrusberg@oce.usda.gov



WESTERN FSU

Wet weather overspread much of the region, favoring winter wheat development but slowing fieldwork. In particular, much-needed rain in southern and eastern Ukraine (10-35 mm, locally more) improved soil moisture for winter wheat planting and establishment following a locally pronounced late-summer drought. Moderate to heavy showers (10-85 mm) likewise spread over much of southern and western Russia, sustaining adequate to abundant soil moisture for winter wheat development but hampering late summer crop harvesting. At week's end, a new storm system developed and stalled over northern portions of Russia's Southern District, maintaining cloudy, unsettled weather. Despite the widespread soaking, a sharp northern cutoff to the rain left much of central and northern Ukraine unfavorably dry (5 mm or less for the week); many of these locales are reporting less than 10 percent of normal rainfall over the past 30 days.

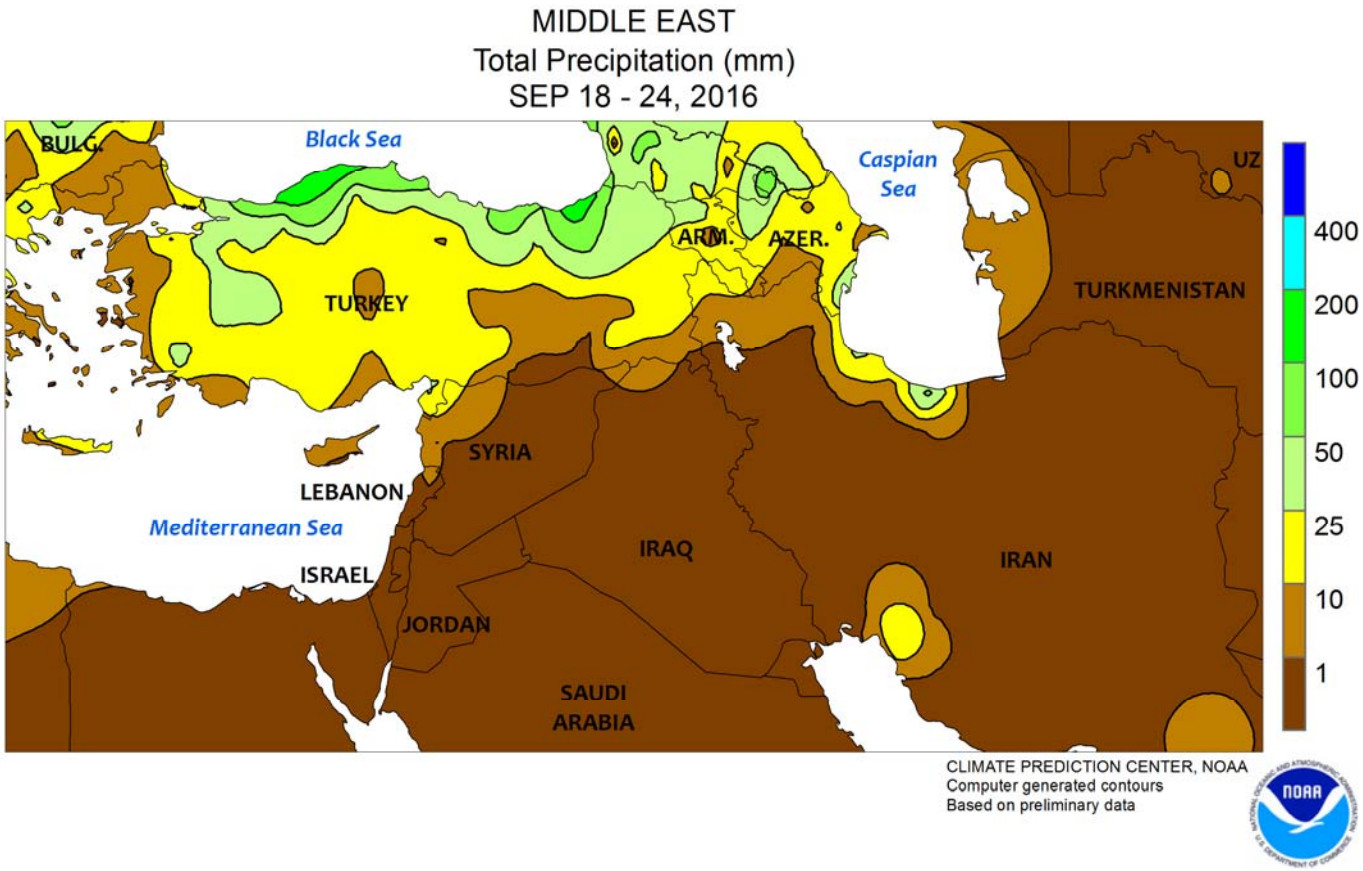
For additional information contact: mbrusberg@oce.usda.gov



EASTERN FSU

Sunny, warm weather promoted spring wheat harvesting and southern cotton maturation. Following last week's western showers, mostly dry weather promoted wheat and barley harvesting over northern Kazakhstan and neighboring portions of central Russia. Farther south, seasonable warmth (30-36°C) and dryness in Uzbekistan accelerated cotton drydown and enabled early harvesting.

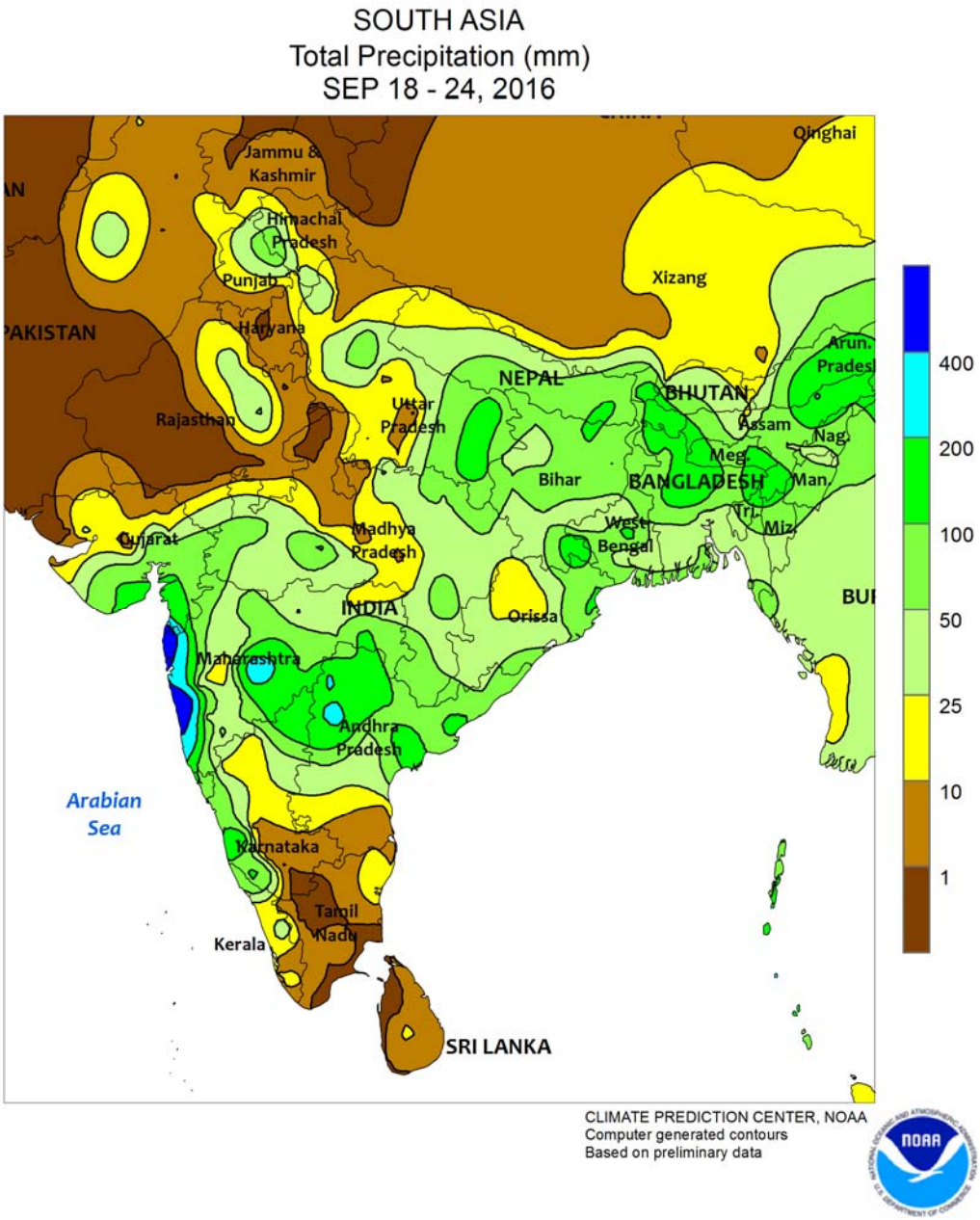
For additional information contact: mbrusberg@oce.usda.gov



MIDDLE EAST

The season's first widespread soaking rainfall in Turkey improved soil moisture for winter crop establishment but interrupted fieldwork. Showers tallied 10 to 30 mm over much of Turkey, representing the first significant rainfall of the country's wet season (October – April). While overall beneficial for upcoming winter grain planting, the wet weather slowed corn and cotton drydown and harvesting. Drier conditions elsewhere promoted seasonal fieldwork; the wet season typically begins a bit later (November) in Iraq and southern and eastern portions of Iran.

For additional information contact: mbrusberg@oce.usda.gov



SOUTH ASIA

The summer monsoon continued to withdraw from India at a slower-than-normal pace. Showers (10-25 mm, locally more) were ongoing in parts of the north and west (nearly four weeks past the normal withdrawal date), replenishing irrigation reserves but creating unfavorably wet conditions for mature cotton and rice. Heavy rainfall (25-100 mm or more) was again reported in eastern rice areas as well as central and western cotton and oilseed areas, where the monsoon typically lingers into early October. The late-season moisture benefited cotton but maintained unfavorably wet conditions for soybeans and other oilseeds. In addition, some rice in the east was maturing and the continued wetness was unwelcome. In other parts of the region, mostly dry weather in Pakistan aided cotton and rice maturation, while heavy showers (50-100 mm or more) in Bangladesh maintained favorable water supplies for rice harvested in November. In Sri Lanka, dry weather aided rice harvesting.

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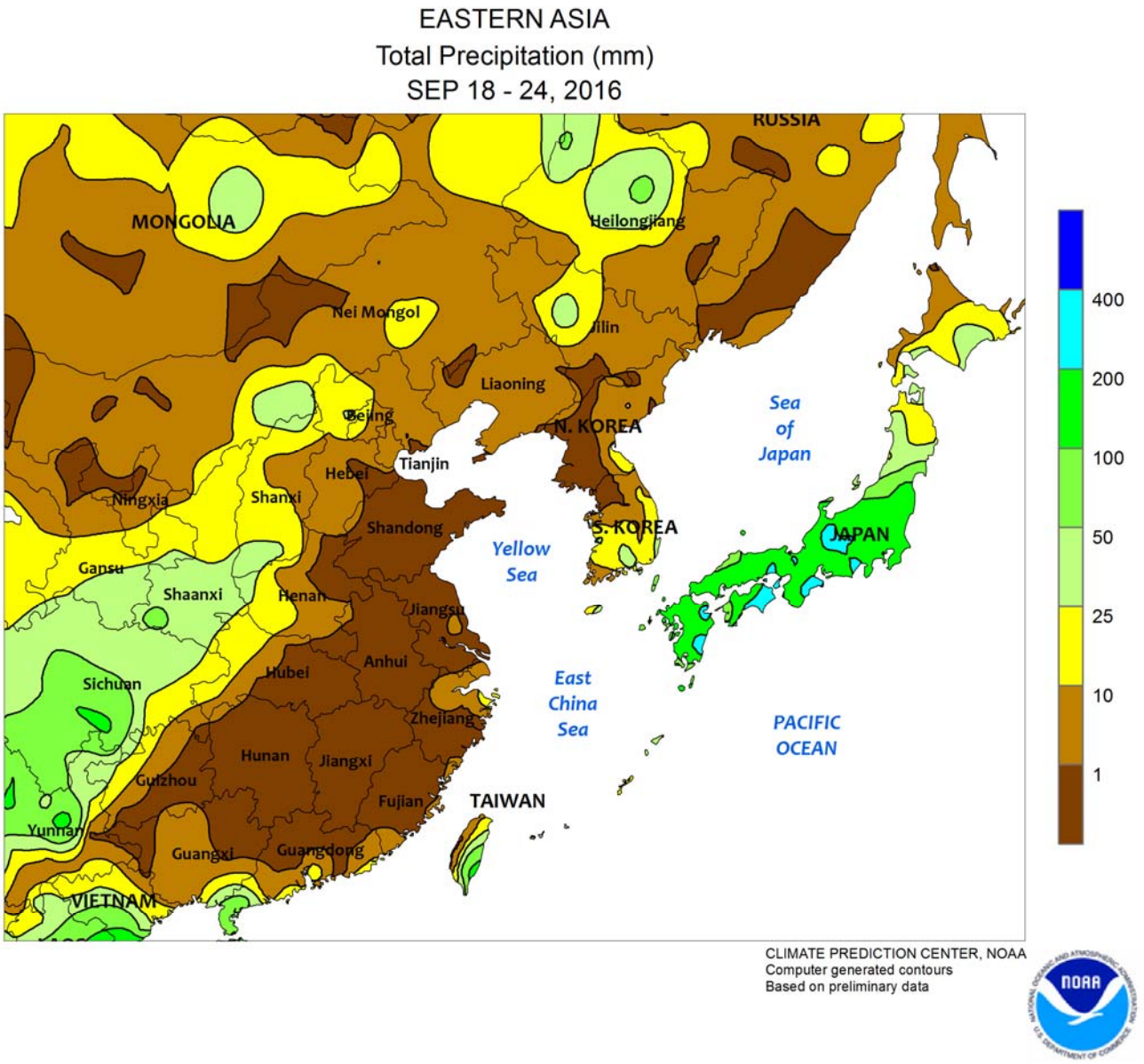

EASTERN ASIA

Typhoon Malakas passed off the eastern coast of Taiwan early in the period before making landfall in southern Japan. The storm recorded peak sustained winds of 115 knots but weakened on its approach toward Taiwan. Heavy showers (over 50 mm) were concentrated along the southeastern coast of Taiwan, while much of Japan experienced rainfall well in excess of 100 mm. Rainfall (25 mm or more) from the storm was also reported along eastern and southern portions of the Korean Peninsula. The wet weather was generally unwelcome for a rice crop that was being harvested. Another typhoon (Megi) was following in the wake of Malakas, approaching eastern Taiwan by the end of the week (more information will appear in next week's Bulletin). Elsewhere in the region, dry, mild weather favored maturing summer crops in eastern China, while more late-season rain in the northeast slowed maturation of corn and soybeans.

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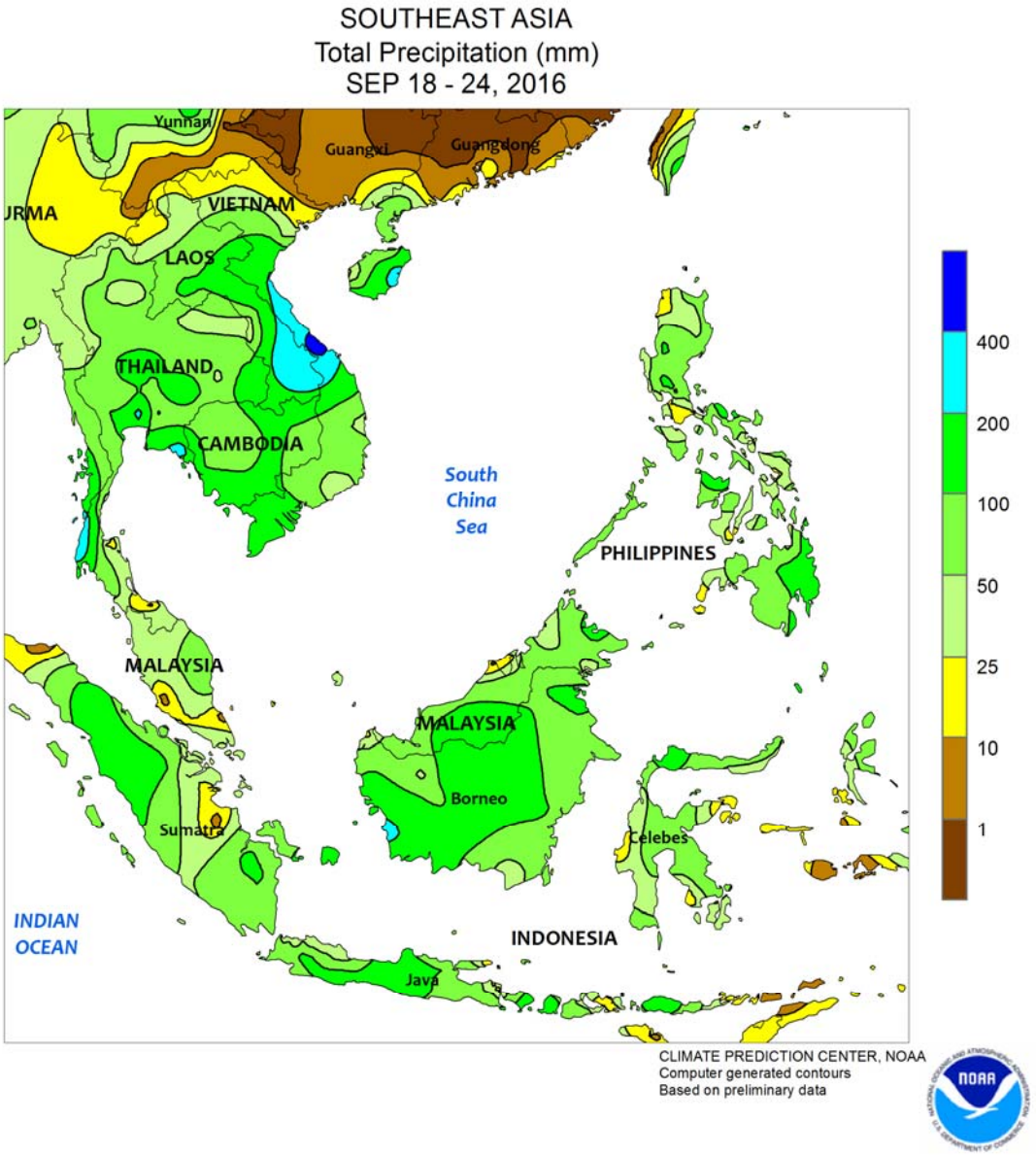

SOUTHEAST ASIA

Monsoon showers, enhanced by the southward progression of the Intertropical Convergence Zone, continued across the region. Rainfall amounts over 50 mm were common in Thailand and the environs. Much of the Central Plain Region in Thailand received over 100 mm of rain, while parts of central Vietnam received over 500 mm. Meanwhile, similar conditions occurred in the Philippines, with heavy showers (over 50 mm) reported throughout the country. Despite localized flooding, much of the rainfall was beneficial for reproductive rice in the region. To the south, heavy showers (50-100 mm or more) in oil palm areas of Malaysia and Indonesia maintained excellent short-term soil moisture but slowed harvesting. In addition, unseasonably heavy showers continued in Java, Indonesia, where summer rainfall has been twice the normal amount.

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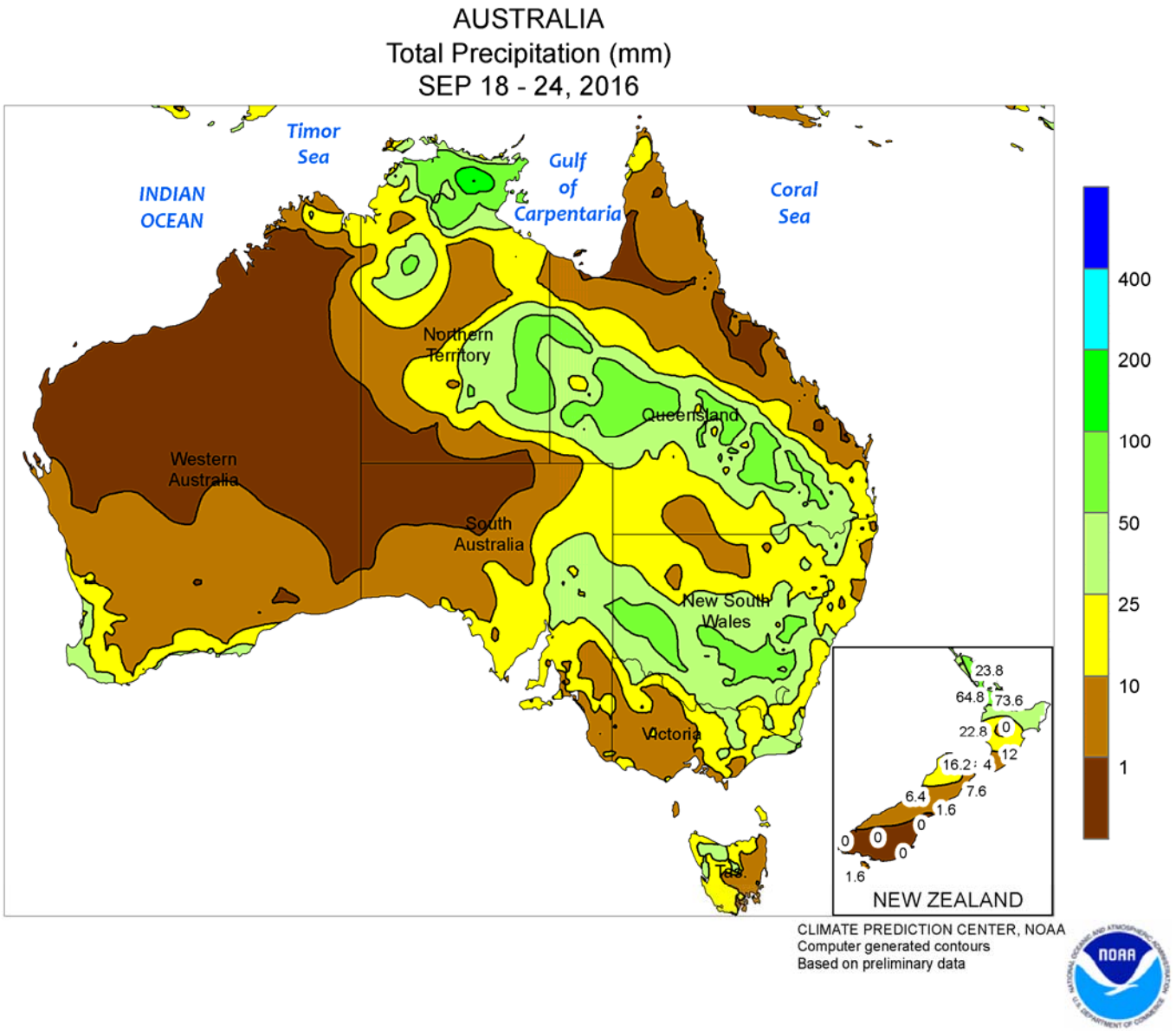

AUSTRALIA

Rain fell throughout the wheat belt, sustaining good to excellent yield prospects as winter crops advance through the reproductive and latter stages of development. The heaviest rain fell across central and southern New South Wales, maintaining abundant to locally excessive soil moisture and contributing to local flooding. The recent flooding in southern and eastern Australia has reportedly caused local crop damage. Despite the flooding, most crops have benefited from the recent heavy rains and are overall in good to excellent condition. Rainfall totals in central and southern New South Wales ranged from 25 to 50 mm, with locally higher amounts. Elsewhere in the wheat belt, generally 5 to 30 mm of rain fell in major agricultural areas, aiding winter crop development and promoting summer crop sowing, germination, and emergence. Although the recent soaking rains have aided most crops thus far, somewhat drier weather will be needed soon as crops approach maturation. Temperatures averaged 2 to 3°C below normal in Western Australia, South Australia, and northern Victoria, slowing the pace of crop development. In eastern Australia, temperatures averaged near normal.

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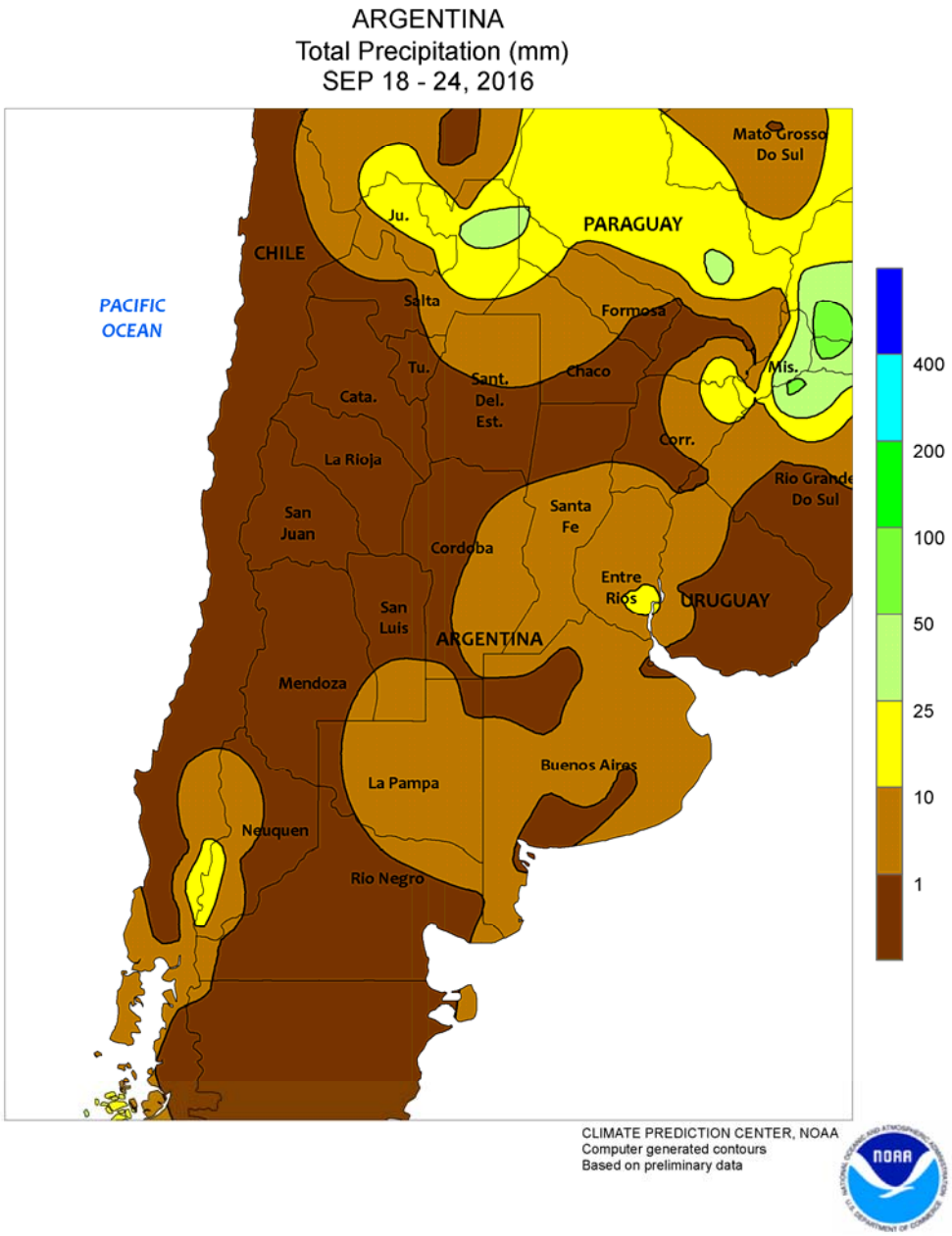
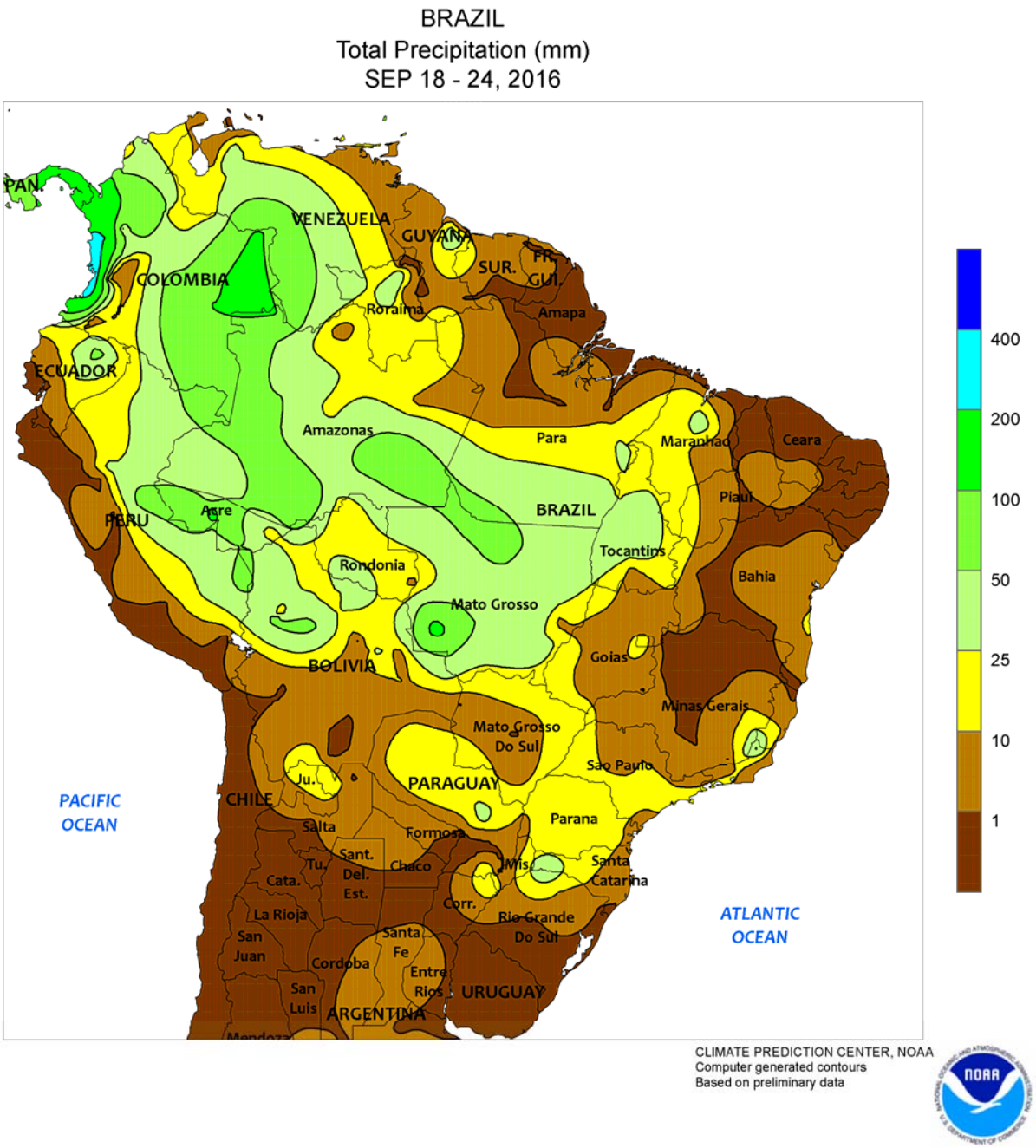


ARGENTINA

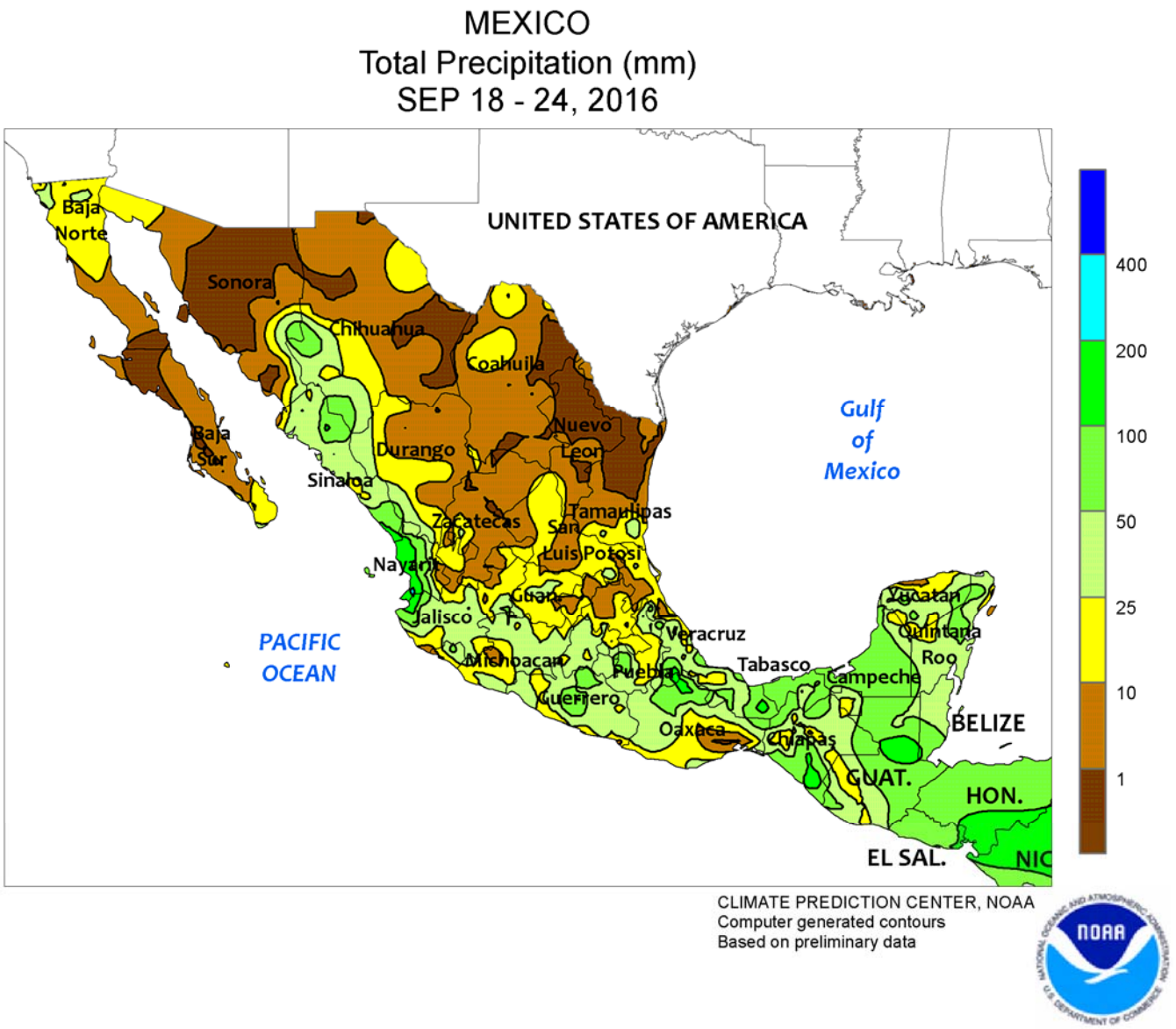
Warmth and sunshine promoted winter grain growth. Weekly temperatures averaged near to above normal, with highest daytime temperatures reaching the lower and middle 20s (degrees C) in southern farming areas (La Pampa and Buenos Aires); however, nighttime lows continued to fall below freezing in traditionally cooler locations of La Pampa and Buenos Aires, limiting winter grain growth. Climatologically warmer conditions prevailed farther north, with daytime highs reaching the upper 30s as far south as Santiago del Estero. Although virtually no rain fell from La Pampa and Buenos Aires northward through Salta and Formosa, winter grains remained overall well watered due to previous periods of favorable rainfall. According to Argentina's Ministry of Agriculture, corn harvesting was virtually complete (99 percent) as of September 22.



BRAZIL

Seasonal showers intensified over central Brazil, encouraging planting of summer row crops. Rainfall totaled more than 25 mm over Mato Grosso, Brazil's largest producer of soybeans, providing the first significant moisture of the growing season. The moisture was also timely for planting of main-season corn and cotton. The rain extended eastward into Tocantins, though the moisture may have arrived too early in the season to prompt fieldwork in farming areas of the northeastern interior. In addition, daytime highs continued to reach the middle and upper 30s (degrees C) in the aforementioned areas, maintaining high evaporative losses. Lighter rain (just a few spots recording more than 15 mm) fell farther south, keeping topsoils moist for corn and soybean planting but likely causing only minor delays in wheat harvesting. According to the government of Parana, wheat was 22 percent harvested as of September 19, with over 80 percent of the remaining crop in filling to maturing stages of development, making extended periods of dryness timely.

For additional information contact: mbrusberg@oce.usda.gov



MEXICO

Hurricane Paine provided a late-season boost in moisture to the northwestern monsoon circulation, even though the storm dissipated off the coast of Baja California without making landfall. Rainfall totaling more than 100 mm was concentrated in and around coastal Nayarit, with more moderate showers (10-50 mm in most areas) extending northward through Sinaloa to the southern border region of Sonora and Chihuahua. In contrast, mostly dry, warmer-than-normal weather (weekly temperatures averaging more than 3 to 4°C above normal, with daytime highs approaching 40°C) dominated the northeast (Coahuila to Tamaulipas), maintaining high moisture requirements of crops and livestock. Meanwhile, moderate to heavy showers (10-50 mm, locally higher) continued across the south and southeast (Jalisco and Michoacan eastward through the Yucatan Peninsula), maintaining overall favorable levels of late-season moisture for corn, sugarcane, and other rain-fed summer crops.

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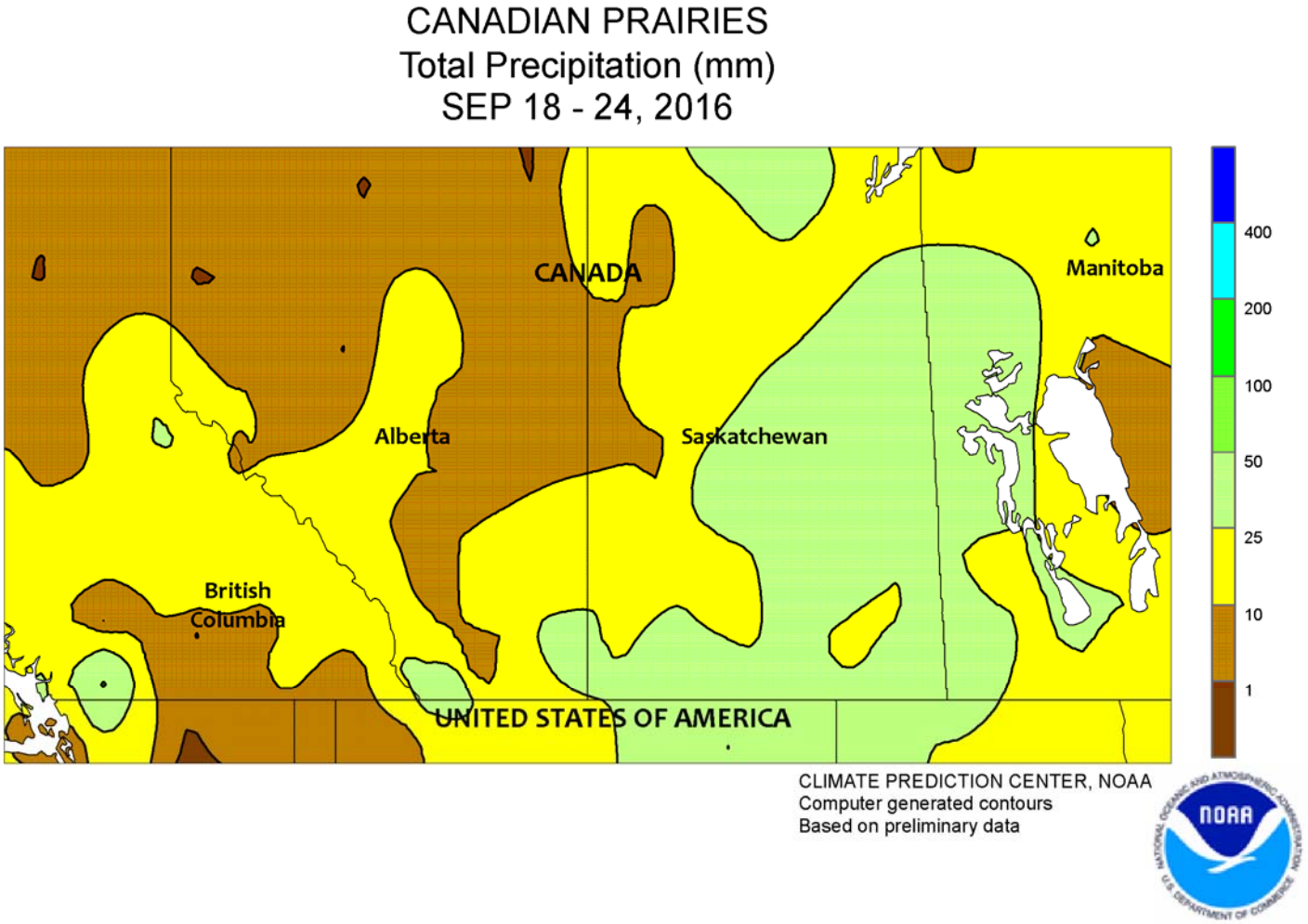
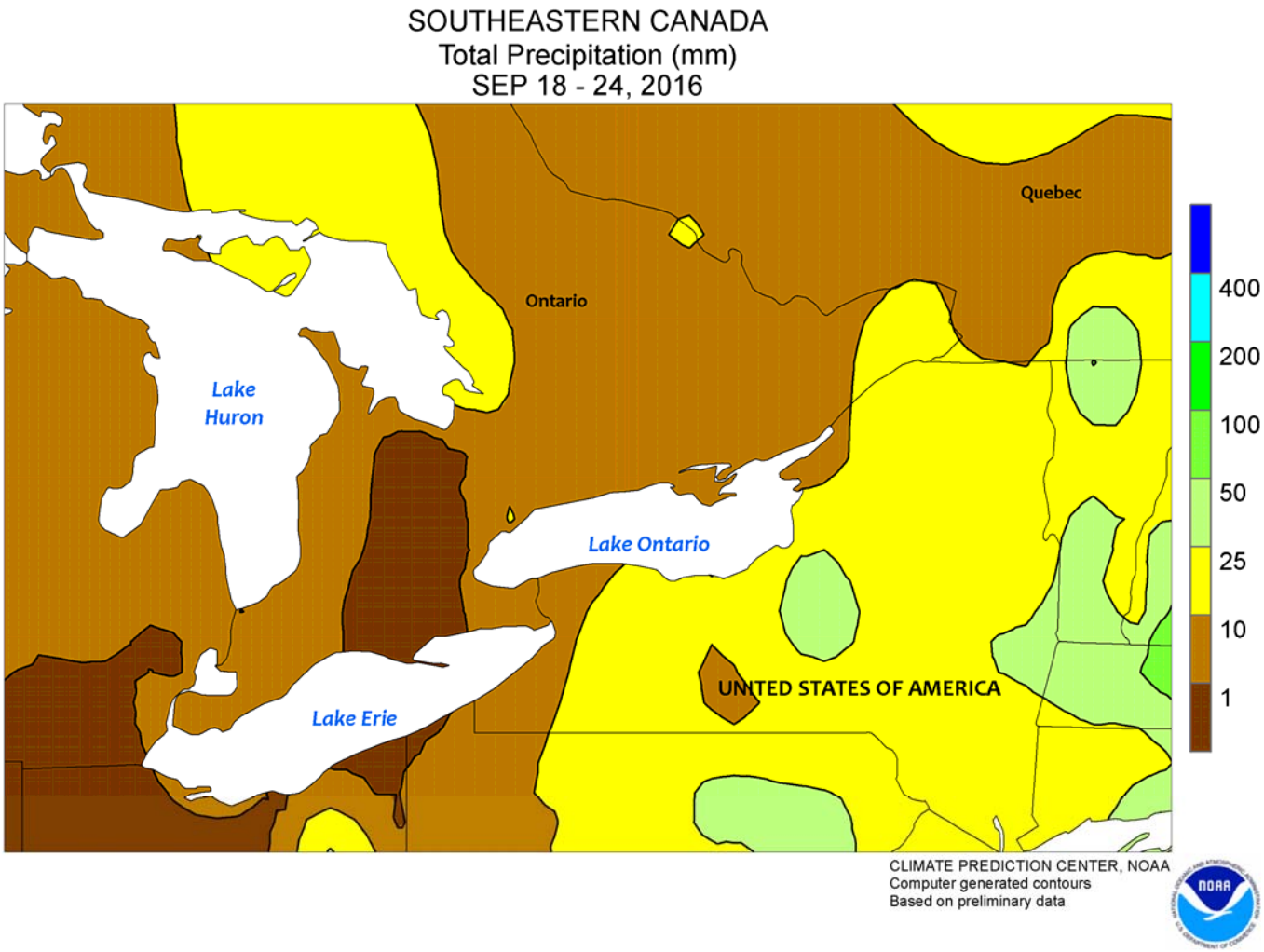


CANADIAN PRAIRIES

Wet weather overspreading the central and eastern Prairies disrupted spring grain and oilseed harvesting. Rainfall totaled more than 25 mm in northern farming areas of Saskatchewan and Manitoba, as well as a broad area of the southern Prairies reaching westward into southern Alberta; patchy showers (5-25 mm) were recorded elsewhere in the central and eastern Prairies. Drier conditions prevailed in Alberta's northern farming areas, including the Peace River Valley, allowing harvesting to advance. Weekly temperatures averaged near to above normal in the eastern Prairies and below normal in the southwest, with freezes recorded in various parts of Alberta and Saskatchewan. According to the government of Saskatchewan, harvesting of all crops advanced to 60 percent for the week ending September 19 — comparable to the 5-year average (62 percent) — before the onset of the heaviest rain.

For additional information contact: mbrusberg@oce.usda.gov



SOUTHEASTERN CANADA

Mostly dry, warmer-than-normal weather supported autumn fieldwork. Large parts of the region recorded rainfall totaling 5 mm or less, with just a few isolated locations recording more than 10 mm. Weekly temperatures averaged 4°C above normal, with daytime highs reaching the upper 20s (degrees C) on several days during the early part of the week. At week's end, cooler conditions prevailed, with patchy frost (nighttime lows near to slightly below freezing) recorded in outlying farming areas of Ontario and Quebec. Wheat planting is typically in full swing during the month of September and should be making good progress under the drier-than-normal conditions.

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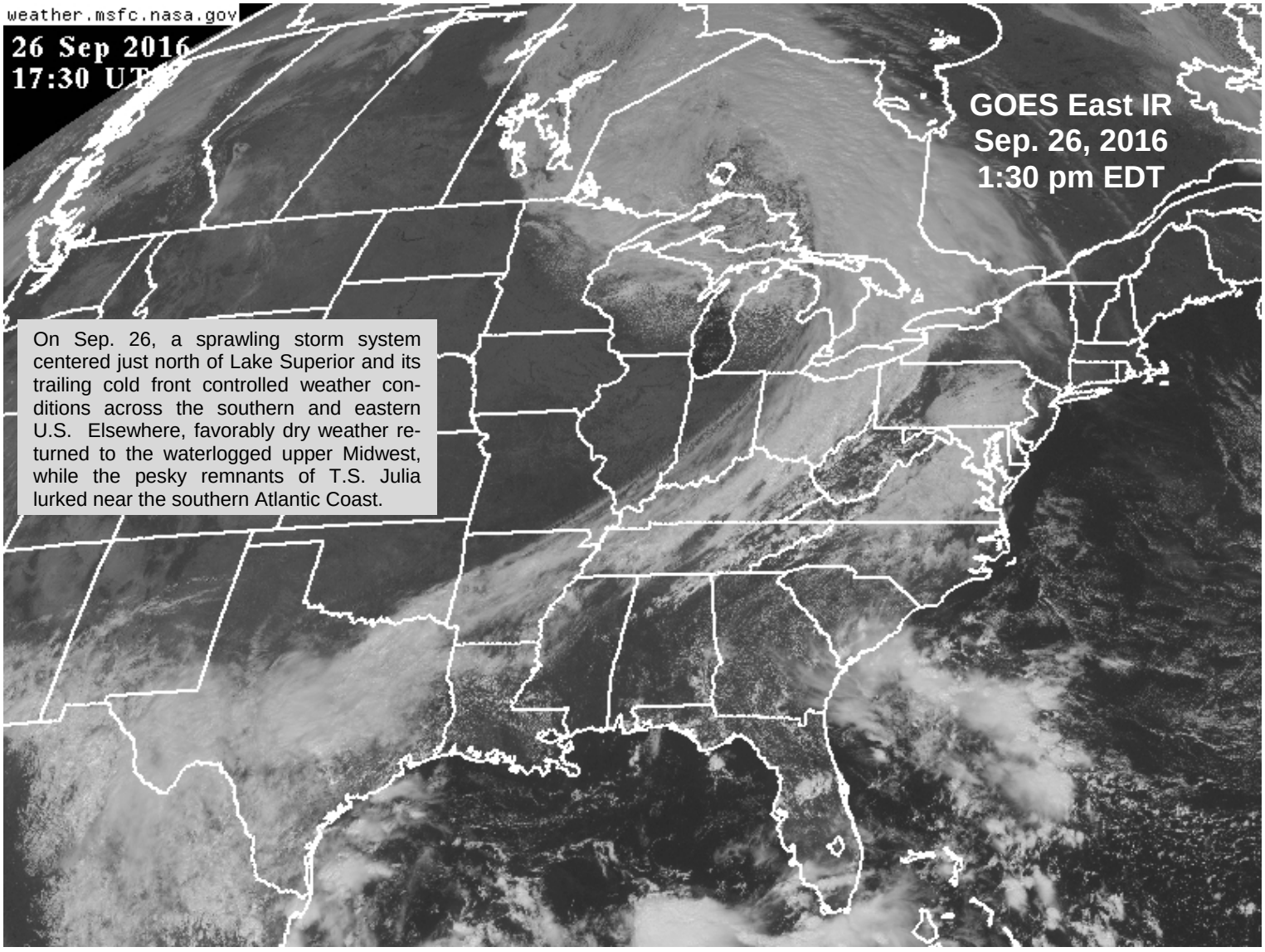

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