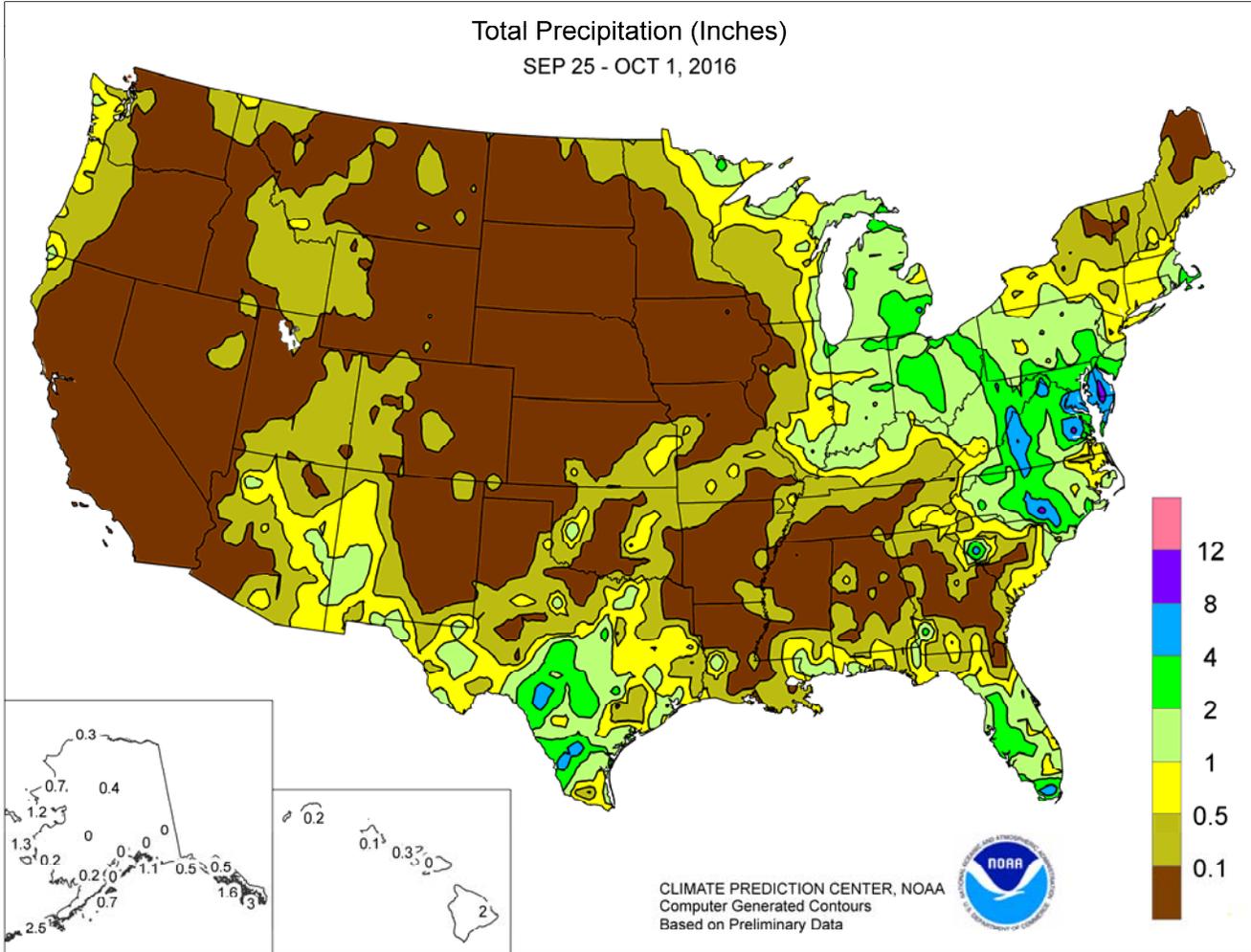


WEEKLY WEATHER AND CROP BULLETIN



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 25 – October 1, 2016

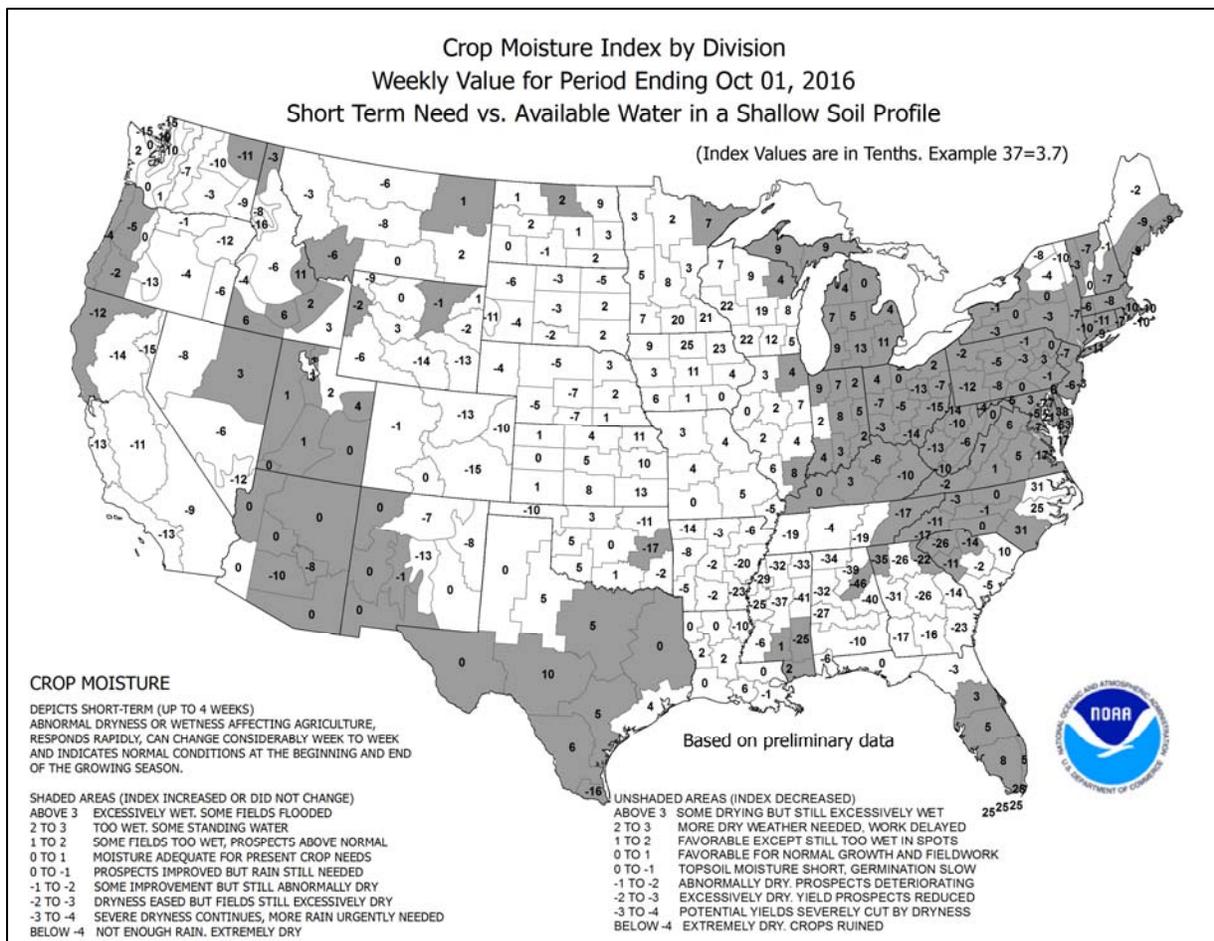
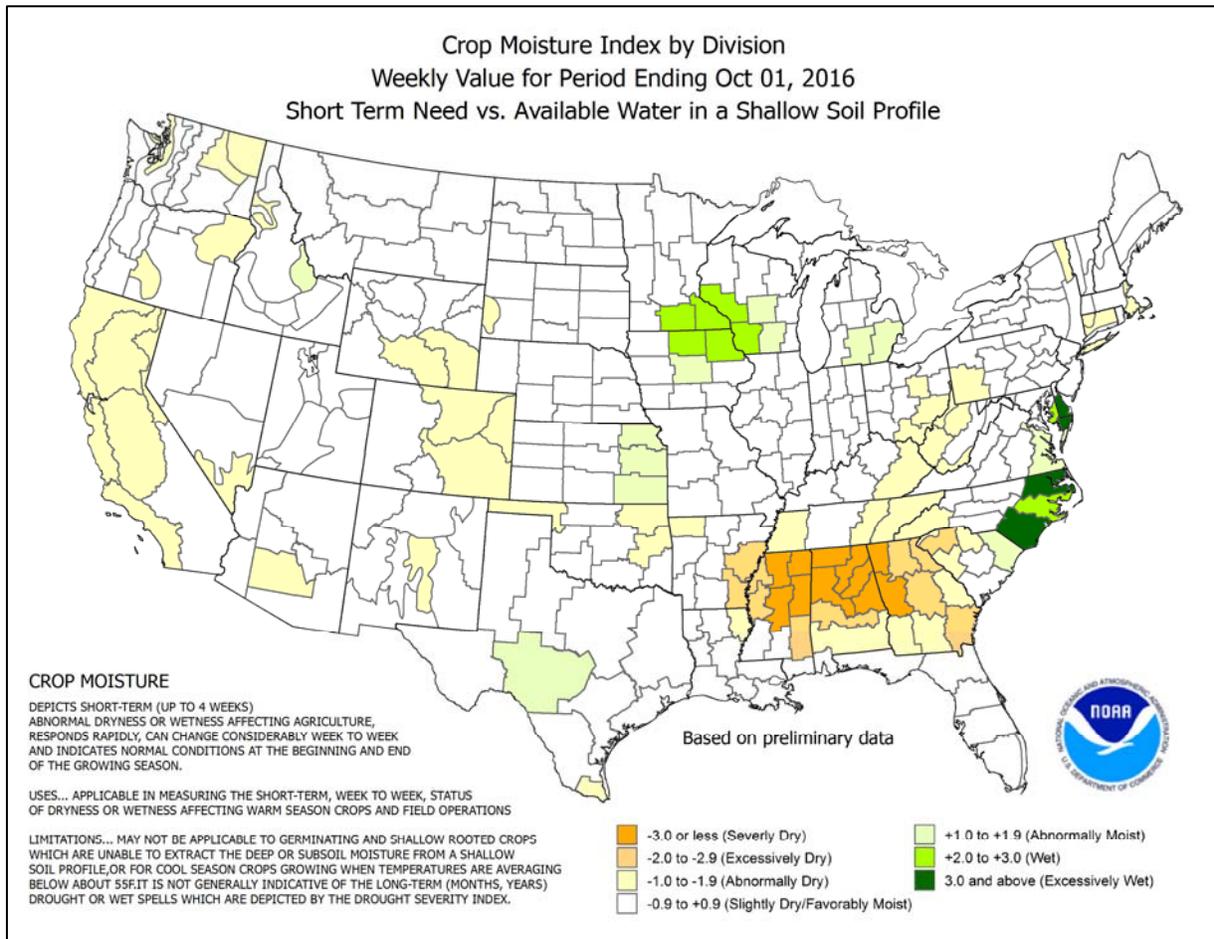
Highlights provided by USDA/WAOB

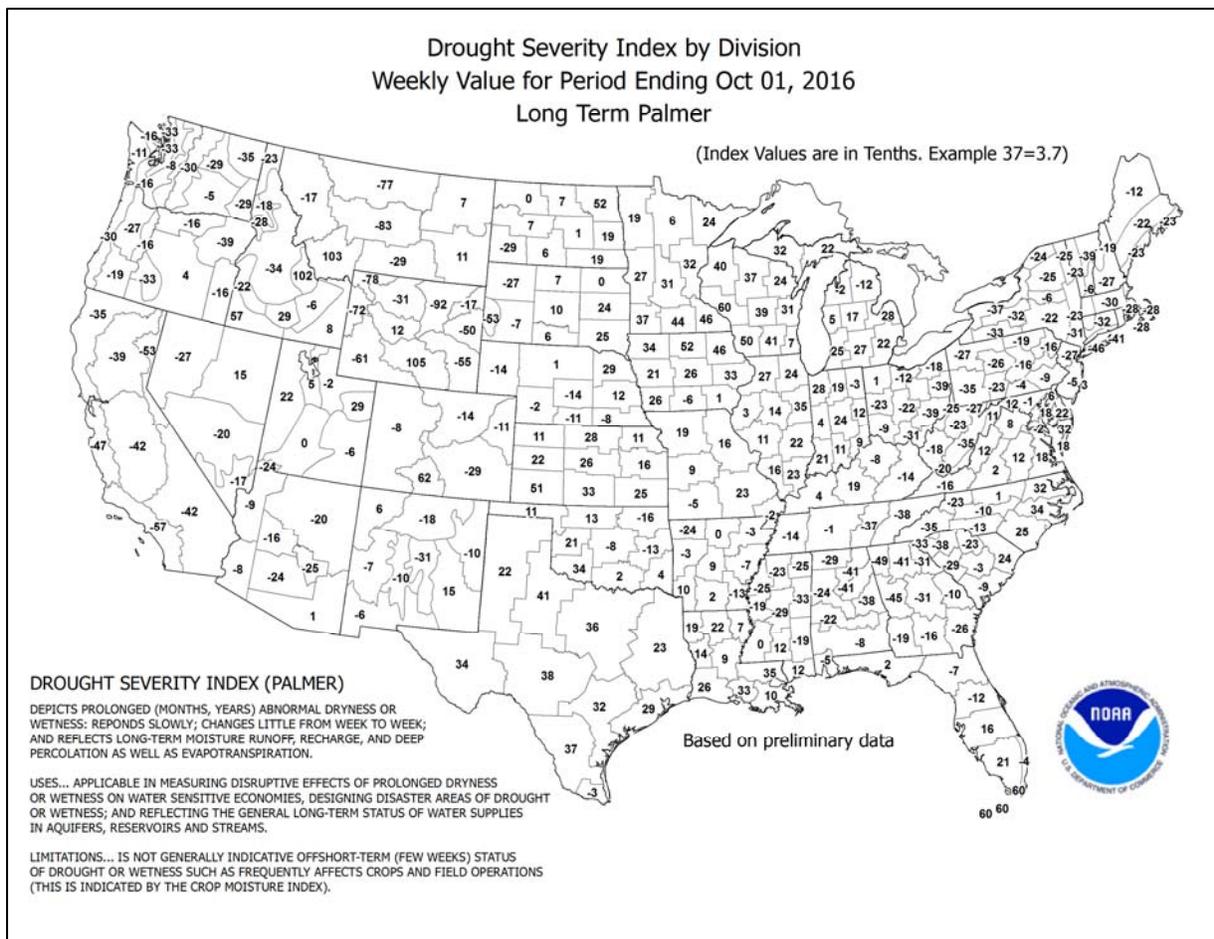
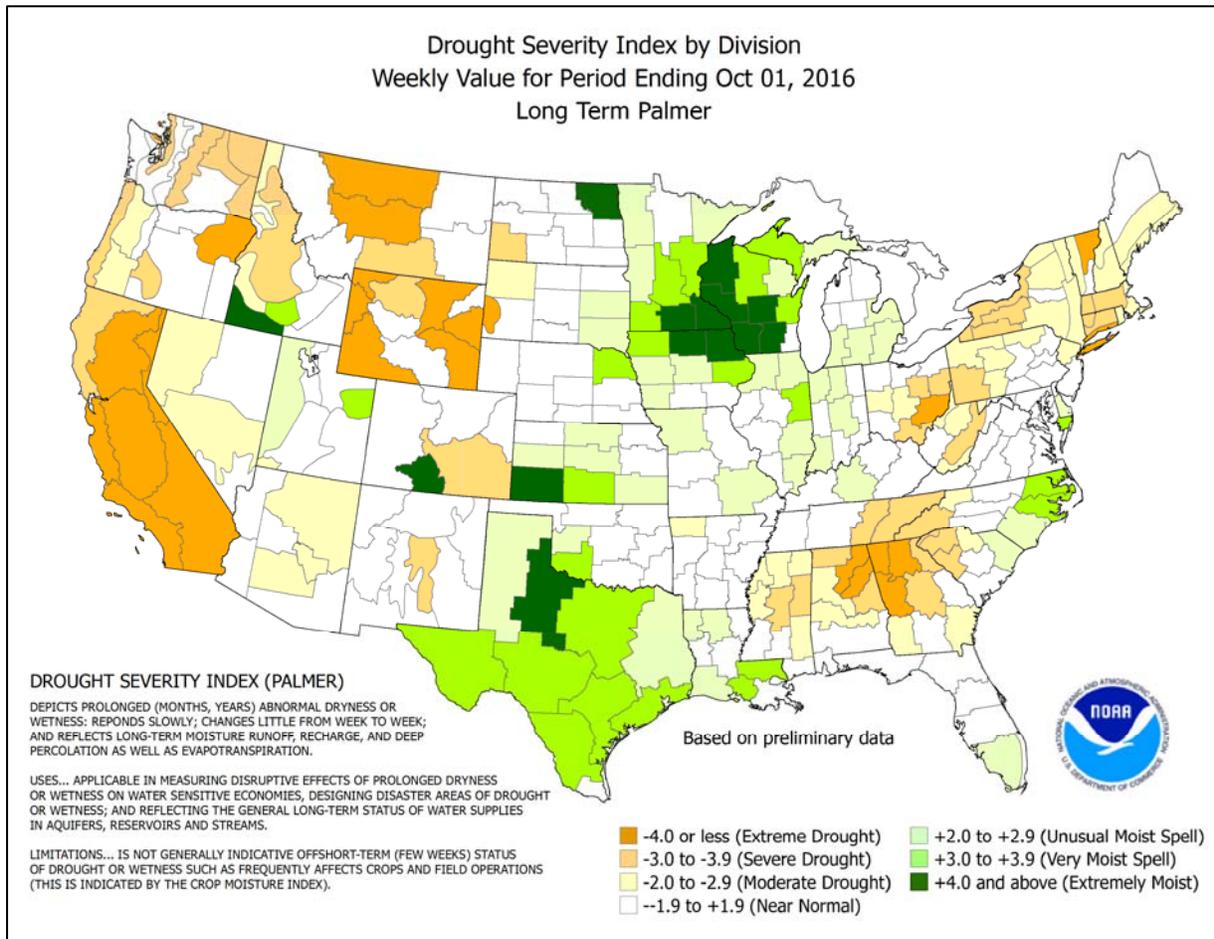
A low-pressure system stalled over the **Great Lakes Region** before drifting southward into the **Ohio Valley**, then eventually weakened and lifted northward. Some of the heaviest rain fell in the **Mid-Atlantic States**, where the storm system tapped into **Atlantic** moisture and took advantage of orographic lift. Although local flooding occurred, **Mid-Atlantic** impacts were limited in many areas by antecedent dryness. Meanwhile, cloudy, showery weather extended across the **Ohio Valley** and **Great Lakes States**, limiting fieldwork such as corn and soybean

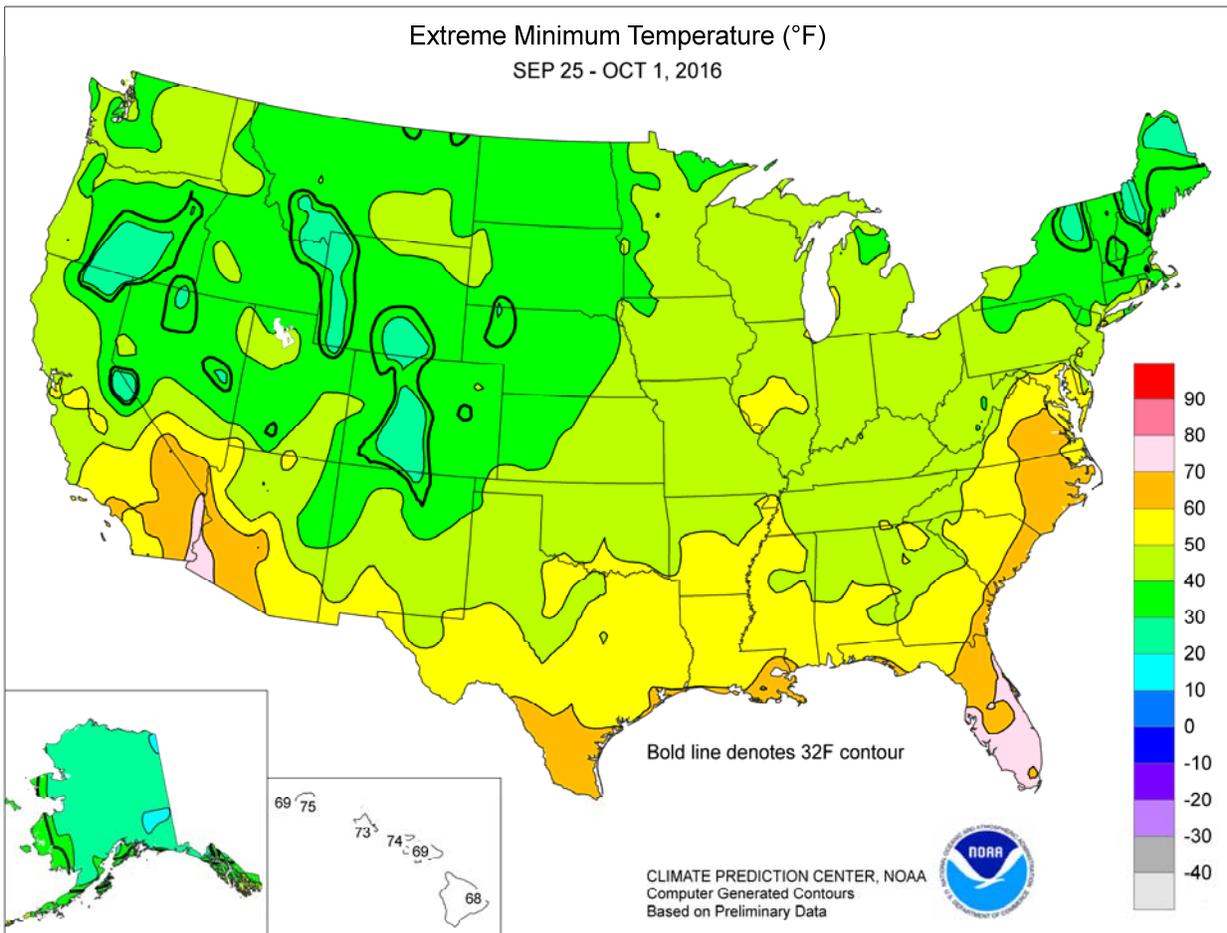
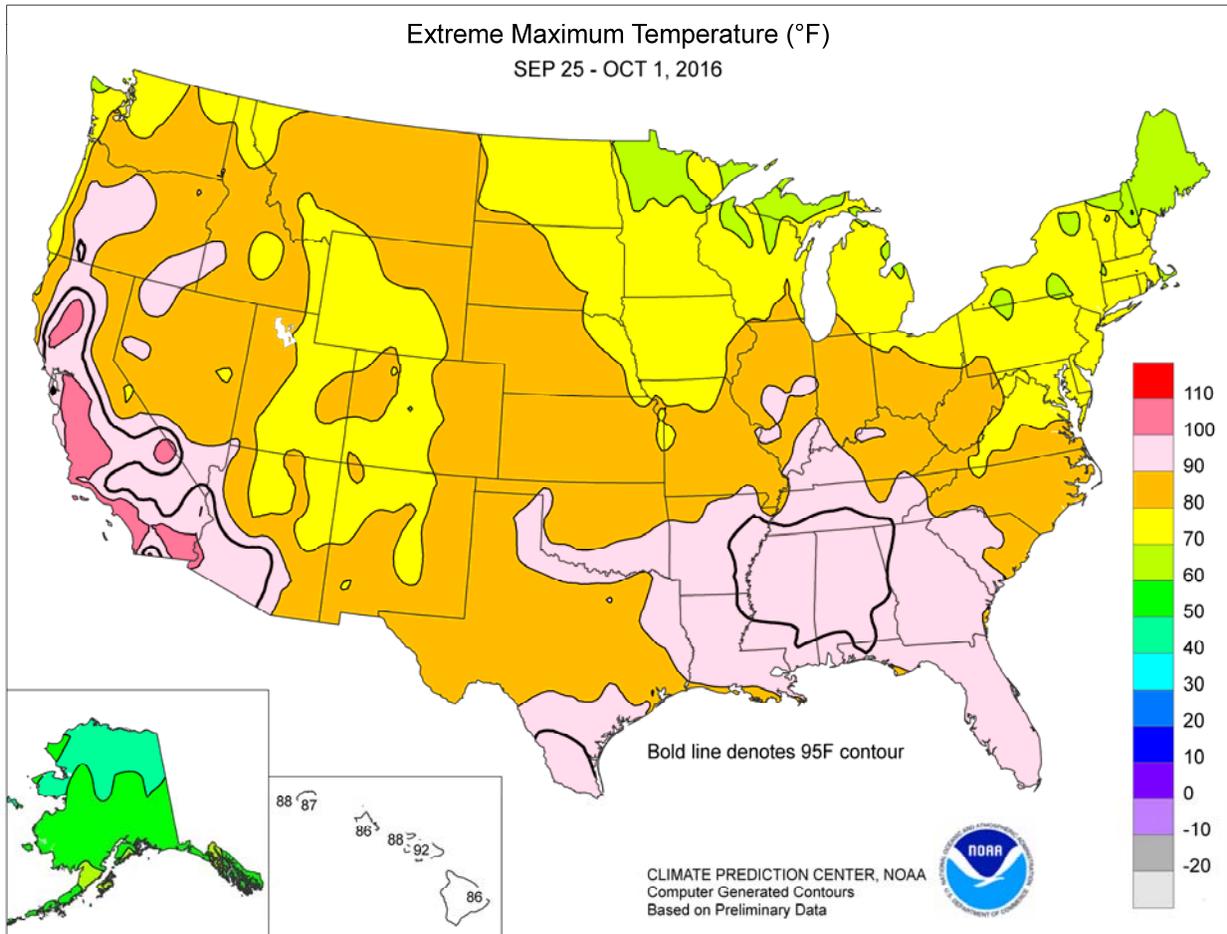
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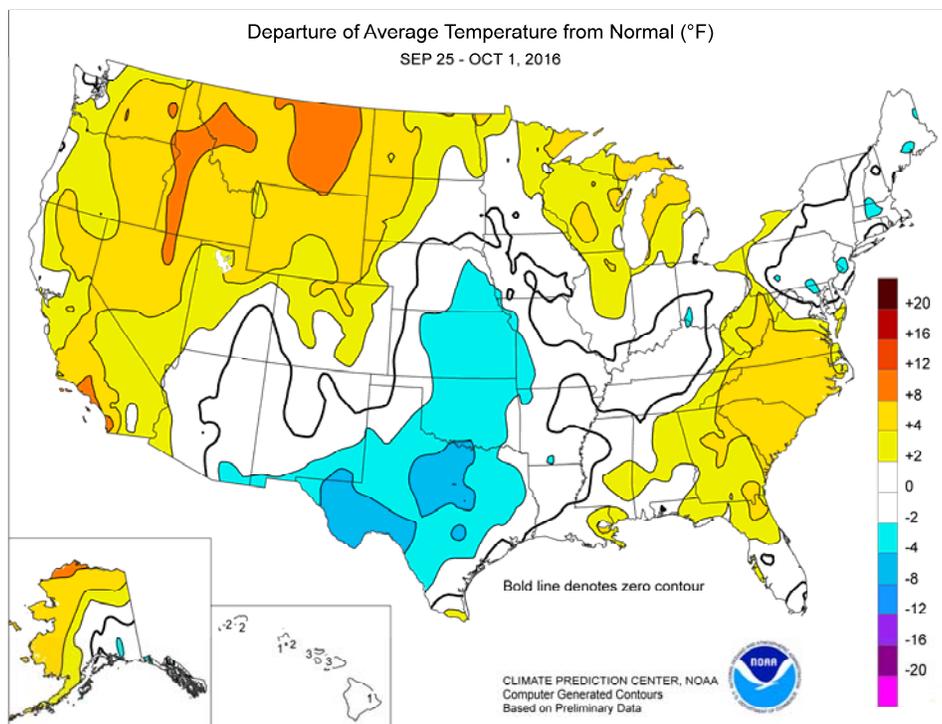
(Continued from front cover)

harvesting and winter wheat planting. Although dry weather returned to the **upper Midwest**, fieldwork remained stalled in some of the wettest locations by saturated soils. Nevertheless, more than one-quarter of the soybeans were harvested during the week in **Minnesota** and the **Dakotas**. Farther south and west, mostly dry weather on the **Plains** promoted summer crop maturation and harvesting, as well as winter wheat planting. In addition, warm weather across the **northern High Plains** favored wheat emergence and establishment. Dry weather also dominated the **interior Southeast**, hastening harvest activities but causing further declines in pasture conditions. Weekly temperatures averaged at least 5°F above normal in parts of the **Southeast**, while readings above 95°F were commonly reported in **northern and central sections of Alabama and Mississippi**.

Elsewhere, late-season warmth prevailed in the **West**, especially from the **Pacific Coast to the northern Rockies**. Weekly temperatures averaged as much as 10°F above normal in parts of **Montana** and environs. Despite the warmth, late-week showers arrived across the **Southwest** and spread northward—in part due to moisture associated with former Tropical Storm Roslyn.

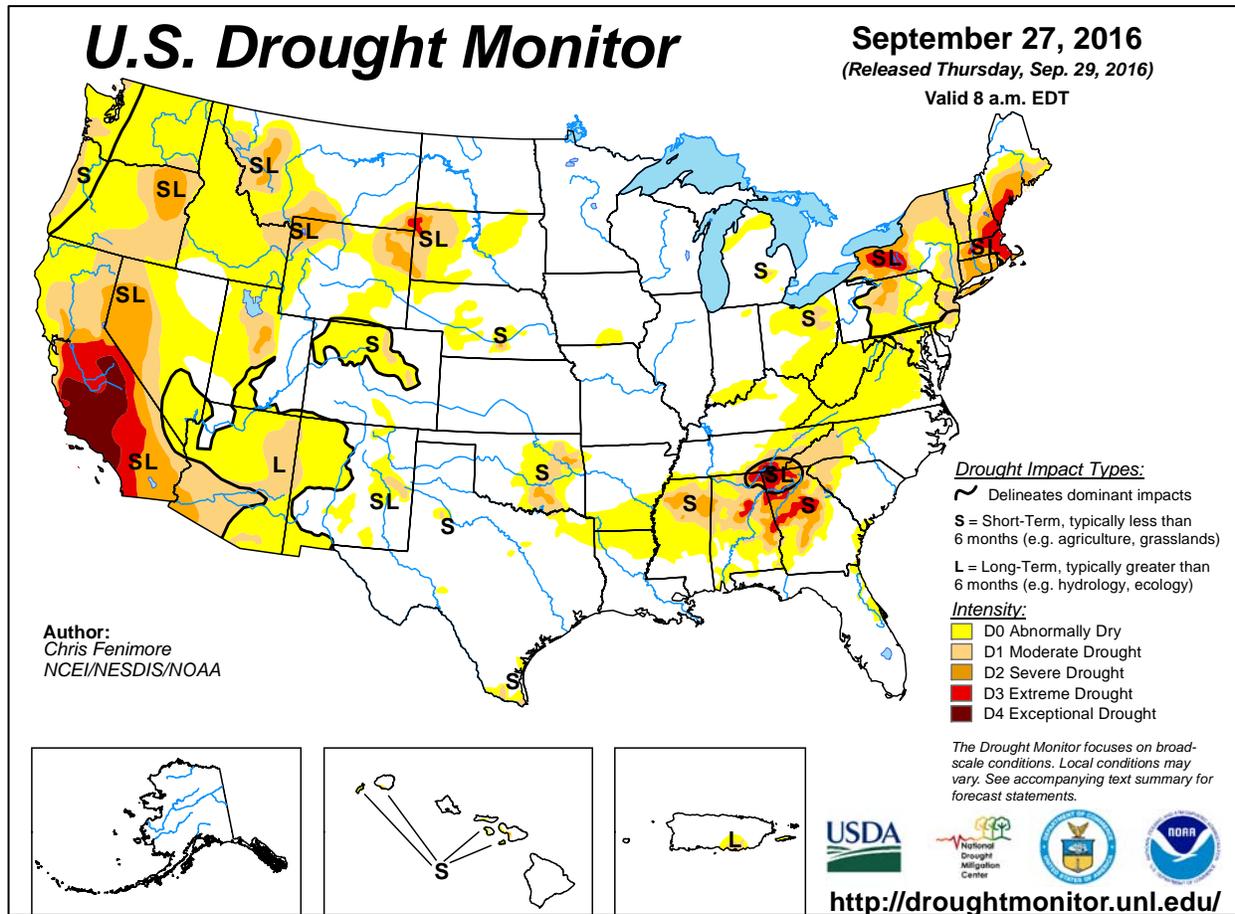
As the week began, heavy rain lingered across **southern Texas**, where **Laredo** netted a daily-record sum (3.47 inches) for September 25. Elsewhere in **Texas**, **San Antonio** received 6.11 inches of rain on September 26—not a record for the date. Meanwhile, locally heavy showers developed in the **Mid-Atlantic States**. **Charlotte, NC**, received a record-setting rainfall total (3.89 inches) for September 26. Two days later, **Richmond, VA**, collected a daily-record amount (4.74 inches) for September 28. **Georgetown, DE**, received 7.96 inches on September 28-29, with most (6.52 inches) of the rain falling on the latter date—the third-highest daily total on record in that location. Other daily-record totals for September 29 included 5.13 inches in **Fayetteville, NC**, and 2.87 inches in **Detroit, MI**. At week's end, precipitation in the **West** led to daily-record totals in a few locations, including **Dillon, MT** (0.58 inch on October 1). Across the **interior Southeast**, however, **Vicksburg, MS**, completed its driest September on record, with a monthly total of just 0.12 inch (previously, 0.28 inch in 2010).

Late-season heat accompanied ongoing dryness across the **interior Southeast**. Record-setting highs for September 25 soared to 99°F in **Mississippi** locations such as **Greenwood** and **Meridian**. In fact, **Meridian's** highs reached 99°F or higher on 4 consecutive days from September 23-26. Other



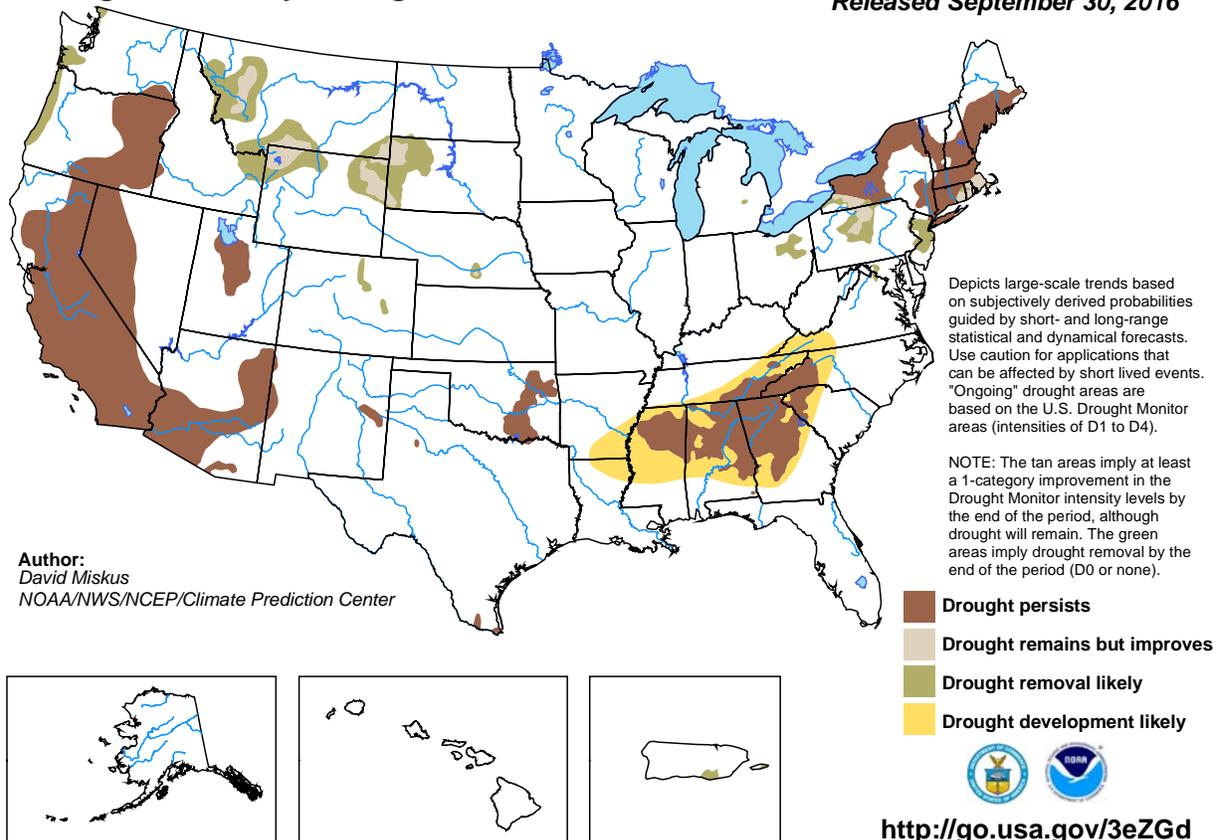
record-setting highs for the 25th included 99°F in **Muscle Shoals, AL**, and 98°F in **Memphis, TN**. Meanwhile, unusual heat also prevailed in the **Pacific Coast States**, where **Oxnard, CA**, posted a monthly record high of 105°F on September 26 (previously, 104°F on September 22, 1939). Elsewhere in **California**, triple-digit, daily-record highs were established on September 26 in locations such as **Salinas** (101°F) and **Stockton** (100°F). Farther east, however, a modest push of cooler air lowered temperatures across the **central U.S.** In **Rochester, MN**, the September 26 low of 48°F marked its first autumn reading below the 50-degree mark—and the latest such date on record (previously, September 10, 1983 and 2007). Elsewhere on the 26th, **Broken Bow, NE**, reported a low of 32°F—not a record for the date. Meanwhile, chilly conditions in the **Northeast** led to a handful of daily-record lows, including a minimum of 34°F on September 26 in **Poughkeepsie, NY**.

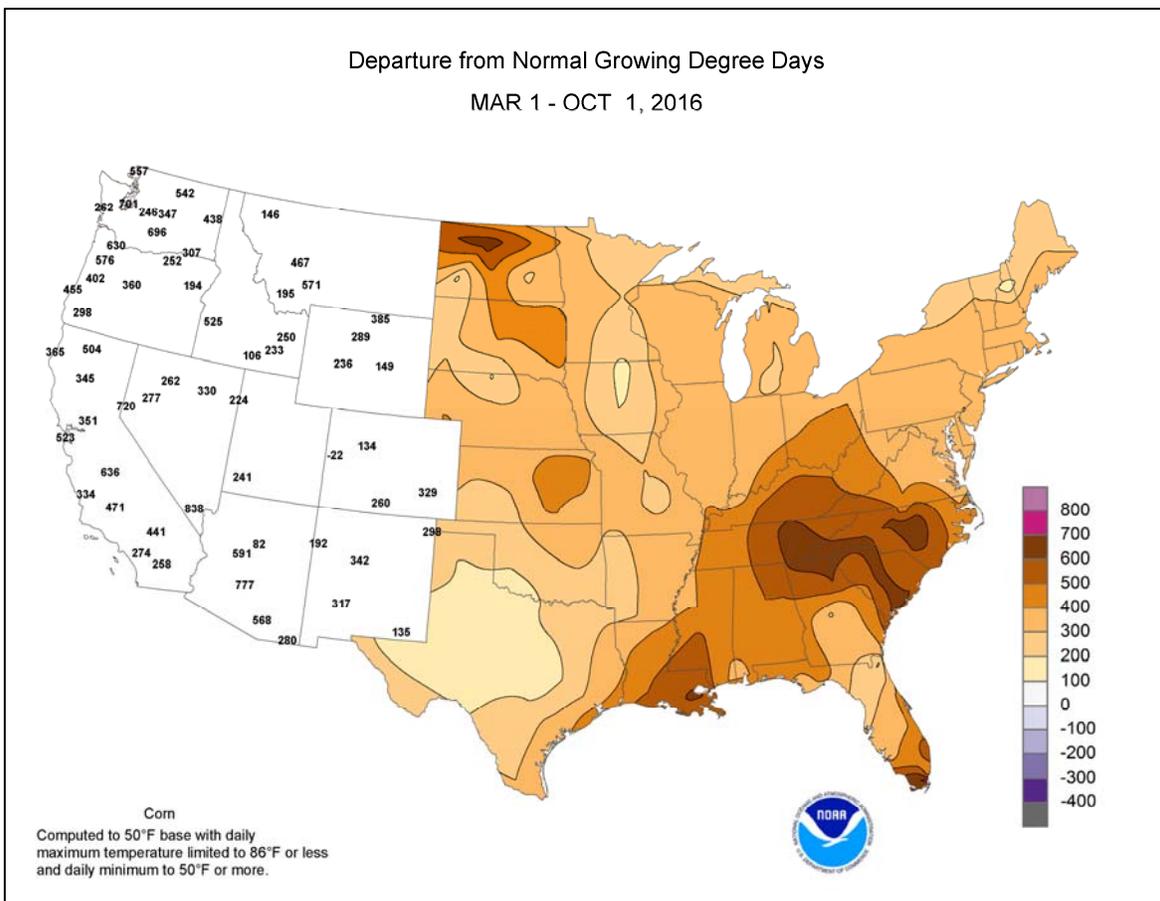
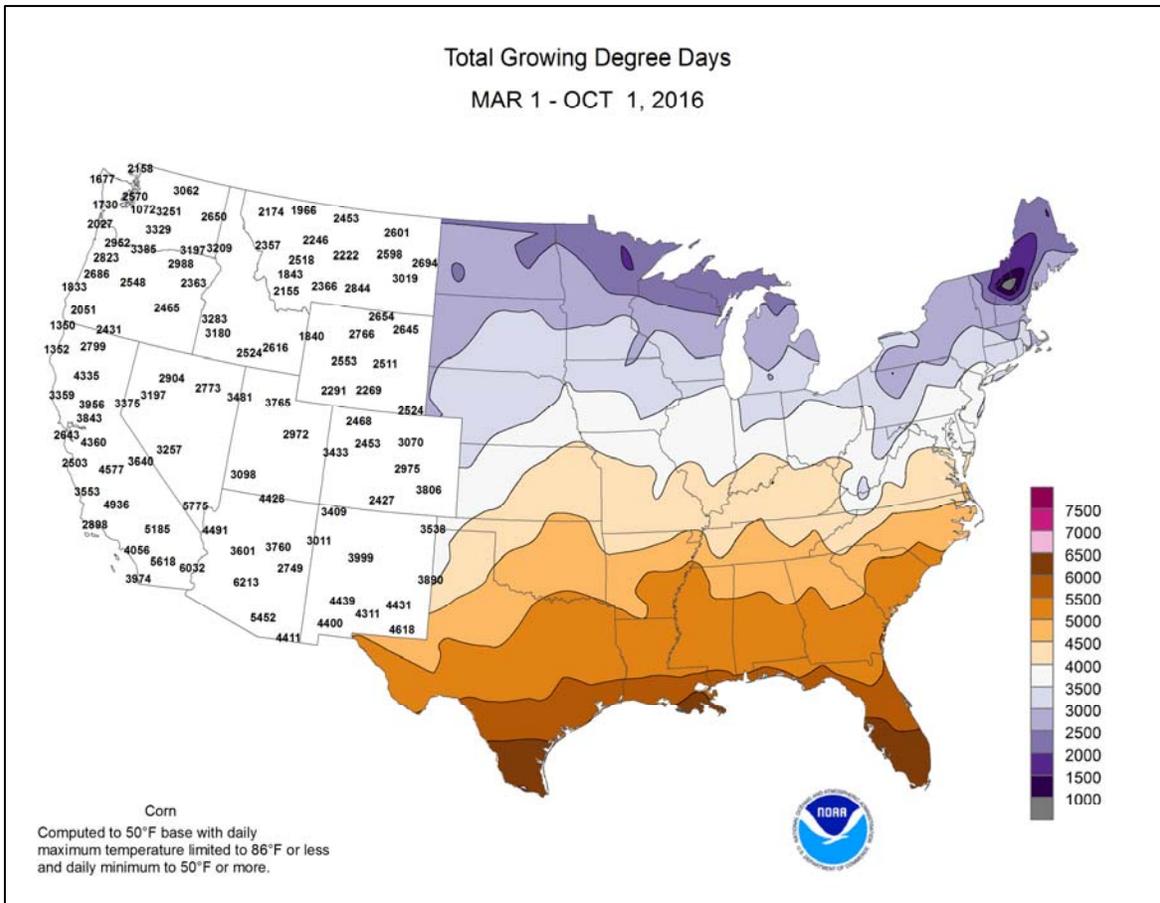
Mild weather accompanied occasional precipitation across **northern and western Alaska**. On September 30, **Barrow** experienced its latest temperature above the 45-degree mark on record, with a daily-record high of 48°F. It was also **Barrow's** warmest day since August 27. Meanwhile, cool, mostly dry weather prevailed across **southern mainland Alaska**. **McGrath** noted its first five freezes of the autumn from September 25-27 and 29-30, but ended September with a monthly rainfall total of 5.08 inches—204 percent of normal—due to earlier wetness. Farther south, much of **Hawaii** experienced warm, mostly dry weather. On September 28, **Kahului, Maui**, registered a daily-record high of 92°F. Toward week's end, shower activity increased in **Hawaii's** windward locations. On the **Big Island**, **Hilo** reported 1.82 inches of rain on September 30 – October 1.

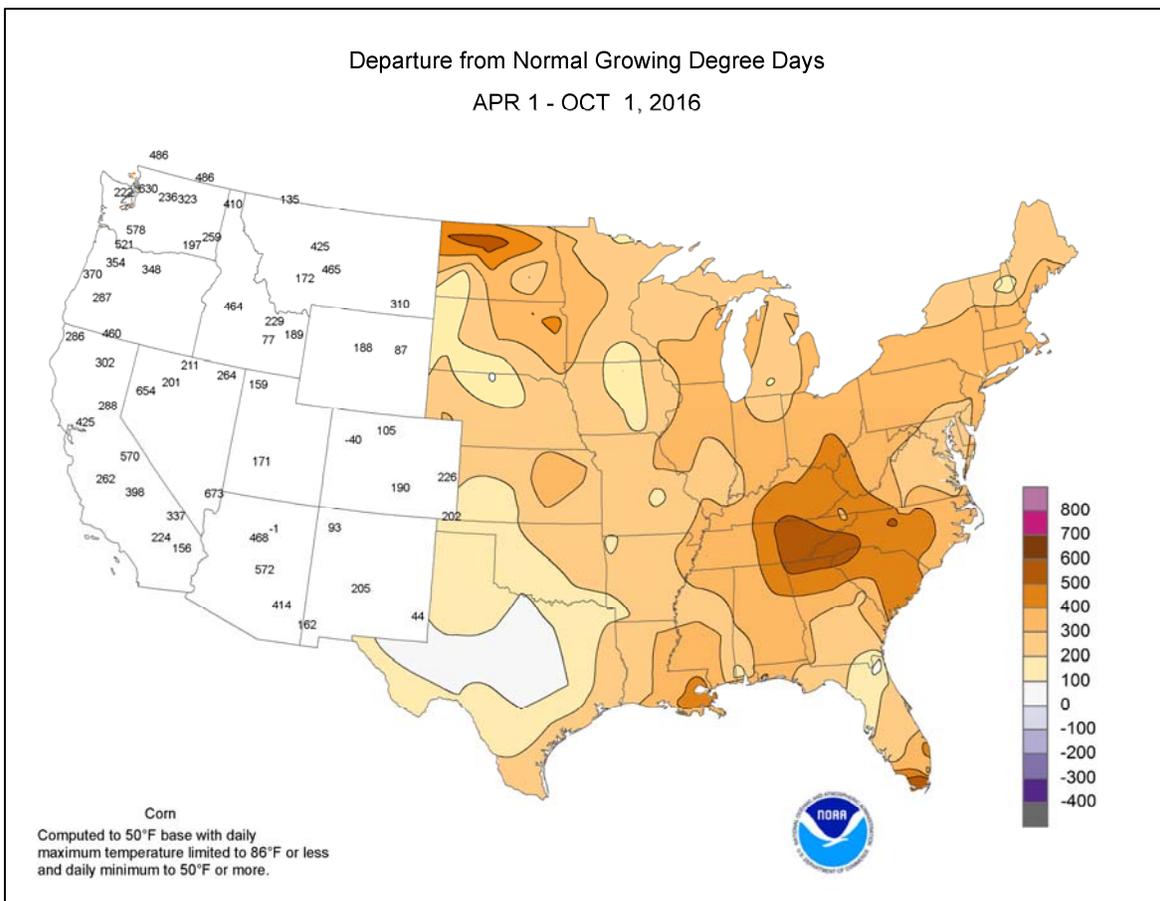
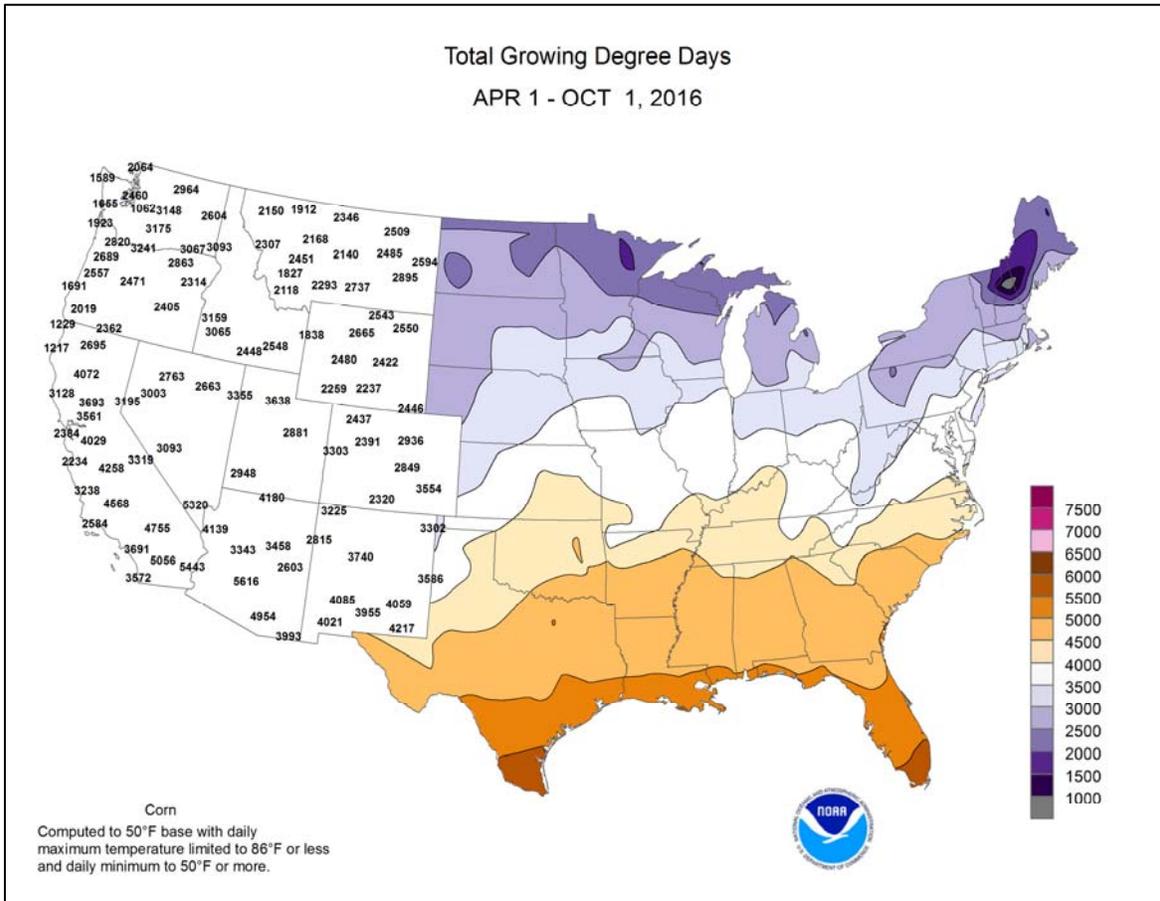


U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for October 2016
Released September 30, 2016







National Weather Data for Selected Cities

Weather Data for the Week Ending October 1, 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 OF MORE	.50 INCH OF MORE
AL BIRMINGHAM	87	61	98	50	74	4	0.00	-0.88	0.00	0.69	17	35.86	86	85	31	2	0	0	0
HUNTSVILLE	86	56	99	49	71	3	0.00	-0.95	0.00	0.47	11	32.97	76	85	52	2	0	0	0
MOBILE	87	64	93	54	75	1	1.58	0.49	1.57	5.24	85	52.22	98	95	59	2	0	2	1
AK MONTGOMERY	89	63	98	51	76	3	0.00	-0.86	0.00	2.24	52	35.42	83	84	37	4	0	0	0
ANCHORAGE	52	36	54	32	44	0	0.03	-0.57	0.02	2.40	81	14.20	119	90	80	0	2	2	0
BARROW	40	32	48	26	36	10	0.32	0.21	0.27	0.79	111	4.46	127	88	73	0	4	3	0
FAIRBANKS	49	30	59	26	39	1	0.28	0.06	0.15	2.07	180	13.77	172	95	82	0	5	3	0
JUNEAU	55	39	60	31	47	0	0.52	-1.45	0.37	10.54	135	46.85	119	83	79	0	1	4	0
KODIAK	56	38	62	32	47	1	0.70	-1.33	0.70	5.70	70	57.69	109	94	80	0	1	1	1
NOME	47	40	48	31	43	5	1.17	0.72	0.40	2.38	93	12.65	99	93	82	0	1	7	0
AZ FLAGSTAFF	66	43	69	40	54	0	0.66	0.22	0.34	1.55	71	18.74	108	88	44	0	0	3	0
PHOENIX	94	71	97	67	82	-1	0.02	-0.15	0.02	0.32	42	4.37	74	47	32	6	0	1	0
PRESCOTT	75	51	79	46	63	1	0.27	-0.11	0.18	2.33	110	13.09	85	86	36	0	0	3	0
TUCSON	87	65	93	57	76	-2	0.32	0.02	0.14	1.62	109	10.22	110	62	42	4	0	4	0
AR FORT SMITH	84	55	93	50	70	0	0.00	-0.85	0.00	1.79	48	28.44	89	85	32	2	0	0	0
LITTLE ROCK	84	60	94	55	72	1	0.00	-0.85	0.00	1.31	34	47.27	130	87	37	2	0	0	0
CA BAKERSFIELD	95	65	101	57	80	6	0.00	-0.03	0.00	0.00	0	4.10	85	36	21	6	0	0	0
FRESNO	93	62	99	56	77	5	0.00	-0.06	0.00	0.00	0	9.08	111	48	29	6	0	0	0
LOS ANGELES	88	68	101	63	78	9	0.00	-0.03	0.00	0.01	4	6.01	61	61	42	3	0	0	0
REDDING	92	59	104	45	75	5	0.00	-0.16	0.00	0.00	0	30.63	135	51	30	4	0	0	0
SACRAMENTO	88	54	97	45	71	1	0.00	-0.08	0.00	0.00	0	12.75	103	81	21	4	0	0	0
SAN DIEGO	89	71	100	67	80	10	0.00	-0.03	0.00	0.32	152	5.33	67	55	39	3	0	0	0
SAN FRANCISCO	76	56	94	54	66	3	0.00	-0.04	0.00	0.00	0	12.44	91	81	55	2	0	0	0
STOCKTON	91	54	100	46	72	1	0.00	-0.08	0.00	0.00	0	12.12	128	70	33	4	0	0	0
CO ALAMOSA	73	31	77	25	52	1	0.02	-0.15	0.02	0.28	31	7.63	132	81	44	0	4	1	0
CO SPRINGS	76	46	80	37	61	5	0.11	-0.03	0.11	0.16	13	14.82	95	66	20	0	0	1	0
DENVER INTL	79	46	87	39	63	6	0.00	-0.22	0.00	0.28	26	11.02	93	59	23	0	0	0	0
GRAND JUNCTION	76	49	84	41	63	2	0.16	-0.06	0.14	0.69	73	6.94	102	73	44	0	0	2	0
PUEBLO	83	46	87	40	64	4	0.00	-0.11	0.00	0.05	6	10.37	96	61	33	0	0	0	0
CT BRIDGEPORT	69	55	73	48	62	1	0.41	-0.38	0.35	1.72	47	26.48	79	76	61	0	0	3	0
HARTFORD	66	48	75	37	57	-2	0.74	-0.16	0.48	2.45	58	24.79	71	88	59	0	0	3	0
DC WASHINGTON	71	63	77	59	67	1	2.22	1.37	0.94	2.74	70	27.68	92	95	76	0	0	6	1
DE WILMINGTON	70	55	76	48	62	-1	3.65	2.76	1.70	4.74	115	34.19	103	93	64	0	0	5	2
FL DAYTONA BEACH	89	71	90	70	80	2	2.93	1.57	0.98	8.58	126	36.21	92	97	59	2	0	6	3
JACKSONVILLE	89	68	91	64	79	4	0.01	-1.55	0.01	4.37	54	26.71	61	99	59	1	0	1	0
KEY WEST	88	78	90	74	83	1	1.06	-0.07	0.62	6.64	118	31.98	107	90	72	2	0	4	1
MIAMI	89	74	92	72	82	1	1.55	-0.14	0.66	6.29	73	53.28	113	93	69	3	0	4	1
ORLANDO	90	72	93	70	81	2	1.37	0.31	0.94	7.27	123	48.94	119	94	75	4	0	6	1
PENSACOLA	84	70	90	62	77	1	0.02	-1.11	0.02	1.68	28	52.46	101	85	59	1	0	1	0
TALLAHASSEE	90	67	94	54	79	3	0.32	-0.59	0.24	4.04	79	51.33	98	93	53	5	0	2	0
TAMPA	89	75	91	74	82	2	0.73	-0.41	0.29	4.18	62	50.61	131	88	64	3	0	5	0
GA WEST PALM BEACH	88	74	90	72	81	0	1.89	0.29	0.77	7.64	92	41.83	88	89	69	2	0	5	2
ATHENS	87	59	94	49	73	4	0.14	-0.65	0.12	1.22	34	32.18	87	96	56	3	0	2	0
ATLANTA	84	63	92	52	74	5	0.06	-0.82	0.06	3.43	81	32.56	83	85	47	1	0	1	0
AUGUSTA	87	60	91	49	74	4	0.00	-0.73	0.00	4.58	124	31.16	87	96	53	3	0	0	0
COLUMBUS	87	63	94	51	75	2	0.41	-0.19	0.41	0.75	24	28.67	76	87	35	4	0	1	0
MACON	89	60	94	48	75	4	0.00	-0.64	0.00	2.18	65	26.39	74	93	40	5	0	0	0
SAVANNAH	89	69	95	62	79	6	1.22	0.33	1.22	4.83	93	39.20	95	92	61	4	0	1	1
HI HILO	84	70	86	68	77	1	2.01	0.16	1.66	13.94	148	82.07	90	89	83	0	0	7	1
HONOLULU	85	74	86	73	80	-1	0.05	-0.25	0.02	2.96	375	11.49	104	78	67	0	0	3	0
KAHULUI	89	74	92	69	81	2	0.03	-0.05	0.03	1.26	315	11.07	88	78	67	3	0	1	0
LIHUE	86	77	87	75	81	2	0.17	-0.59	0.14	0.68	24	11.41	44	77	70	0	0	4	0
ID BOISE	84	54	93	44	69	9	0.00	-0.17	0.00	0.25	32	5.22	60	53	28	2	0	0	0
LEWISTON	83	53	91	49	68	9	0.03	-0.14	0.02	0.56	68	10.19	107	61	40	1	0	2	0
POCATELLO	77	43	84	35	60	5	0.14	-0.05	0.14	2.31	251	9.56	101	90	56	0	0	1	0
IL CHICAGO/O'HARE	68	57	85	50	62	2	1.56	0.98	0.94	2.71	81	29.68	105	86	65	0	0	5	1
MOLINE	73	55	87	47	64	3	0.03	-0.57	0.02	1.24	38	30.66	101	83	57	0	0	2	0
PEORIA	72	55	87	50	64	3	0.24	-0.45	0.20	4.10	128	29.11	104	91	58	0	0	3	0
ROCKFORD	71	55	86	49	63	4	0.08	-0.58	0.04	3.02	85	29.44	100	86	68	0	0	3	0
SPRINGFIELD	74	56	93	51	65	2	0.46	-0.13	0.17	1.91	66	37.77	137	90	51	1	0	4	0
IN EVANSVILLE	76	55	93	48	66	1	1.92	1.31	0.72	4.36	142	42.82	126	91	60	1	0	5	2
FORT WAYNE	70	52	83	47	61	1	1.97	1.41	0.89	6.05	209	29.86	106	90	60	0	0	5	2
INDIANAPOLIS	72	54	86	48	63	1	1.71	1.12	0.81	4.73	160	39.74	126	91	60	0	0	6	2
SOUTH BEND	69	52	83	47	61	2	1.54	0.75	0.86	4.60	118	39.01	130	92	67	0	0	6	1
IA BURLINGTON	72	53	85	49	62	-1	0.01	-0.76	0.01	0.39	11	24.63	81	95	50	0	0	1	0
CEDAR RAPIDS	69	51	77	44	60	0	0.02	-0.57	0.02	6.95	207	37.33	135	97	57	0	0	1	0
DES MOINES	70	53	76	50	62	1	0.16	-0.43	0.16	5.53	171	30.86	107	86	56				

Weather Data for the Week Ending October 1, 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	
WICHITA	75	51	82	48	63	-4	1.07	0.42	1.07	11.30	370	47.63	192	88	54	0	0	1	1	
KY JACKSON	74	53	88	50	64	0	0.38	-0.41	0.35	1.32	34	42.32	112	96	52	0	0	2	0	
LEXINGTON	74	54	91	48	64	0	1.16	0.49	0.54	1.81	57	36.83	103	91	62	1	0	4	1	
LOUISVILLE	74	57	92	52	65	-1	1.60	0.94	0.63	2.28	73	35.95	105	89	55	1	0	4	1	
PADUCAH	76	53	92	44	65	0	0.17	-0.66	0.09	0.84	23	44.50	120	92	50	1	0	3	0	
LA BATON ROUGE	87	65	93	56	76	1	0.00	-0.94	0.00	2.48	50	76.70	155	93	44	2	0	0	0	
LAKE CHARLES	86	66	91	58	76	0	0.25	-0.96	0.15	3.44	56	60.35	137	93	53	1	0	2	0	
NEW ORLEANS	89	74	95	67	82	6	0.00	-0.94	0.00	4.65	82	60.06	118	80	55	4	0	0	0	
SHREVEPORT	84	61	91	55	73	0	0.00	-0.85	0.00	0.18	5	50.55	134	93	47	1	0	0	0	
ME CARIBOU	59	38	66	31	49	0	0.01	-0.66	0.01	2.48	74	33.59	119	91	59	0	1	1	0	
PORTLAND	64	46	71	39	55	1	0.57	-0.27	0.33	1.20	34	24.73	76	85	55	0	0	2	0	
MD BALTIMORE	68	56	76	51	62	-1	3.13	2.26	1.40	3.85	94	34.95	108	94	75	0	0	6	2	
MA BOSTON	63	54	72	48	59	-2	1.06	0.28	0.63	2.09	58	22.36	72	86	65	0	0	3	1	
WORCESTER	60	48	69	40	54	-2	0.80	-0.21	0.35	3.44	78	26.83	74	90	62	0	0	4	0	
MI ALPENA	65	52	71	39	58	6	1.47	0.90	0.72	3.54	123	24.23	109	90	63	0	0	4	2	
GRAND RAPIDS	67	52	75	48	59	2	2.19	1.35	1.31	3.72	85	35.46	125	89	63	0	0	5	1	
HOUGHTON LAKE	64	49	70	38	57	4	1.06	0.48	0.27	3.22	101	26.83	120	94	77	0	0	6	0	
LANSING	66	52	75	48	59	3	2.11	1.47	1.21	3.60	101	27.07	110	88	66	0	0	5	1	
MUSKOGON	68	55	78	51	62	6	0.93	0.26	0.41	6.12	170	31.26	129	87	68	0	0	7	0	
TRVERSE CITY	67	55	75	51	61	5	1.40	0.65	0.64	3.79	103	23.26	92	90	61	0	0	5	1	
MN DULUTH	60	49	69	47	55	4	0.96	0.18	0.69	3.52	83	27.44	107	97	78	0	0	3	1	
INT'L FALLS	60	45	69	37	53	4	1.40	0.81	0.76	2.83	91	23.37	117	95	73	0	0	3	1	
MINNEAPOLIS	67	50	74	46	59	2	0.27	-0.20	0.23	5.52	201	31.83	130	86	65	0	0	2	0	
ROCHESTER	68	48	72	45	58	3	0.15	-0.42	0.13	9.14	286	37.41	143	92	65	0	0	3	0	
ST. CLOUD	65	48	71	42	57	4	0.31	-0.21	0.30	3.09	103	27.92	123	96	55	0	0	2	0	
MS JACKSON	87	60	97	51	74	2	0.05	-0.65	0.05	0.33	10	53.53	127	88	42	2	0	1	0	
MERIDIAN	91	61	99	52	76	4	0.02	-0.81	0.01	0.59	16	37.92	84	85	48	4	0	2	0	
TUPELO	85	57	98	51	71	2	0.00	-0.78	0.00	0.43	12	36.27	87	84	46	1	0	0	0	
MO COLUMBIA	75	54	83	50	65	2	0.03	-0.70	0.03	7.33	208	35.68	114	91	51	0	0	1	0	
KANSAS CITY	71	51	79	47	61	-3	0.22	-0.85	0.22	4.94	103	44.38	144	87	53	0	0	1	0	
SAINT LOUIS	76	59	91	54	67	1	0.24	-0.40	0.11	4.93	162	33.40	113	80	54	1	0	4	0	
SPRINGFIELD	76	50	86	47	63	-2	0.20	-0.80	0.12	3.91	79	29.53	87	87	54	0	0	2	0	
MT BILLINGS	77	52	85	47	65	10	0.03	-0.30	0.03	1.63	117	9.38	77	72	35	0	0	1	0	
BUTTE	72	36	78	27	54	6	0.26	0.06	0.16	1.47	131	7.53	69	92	30	0	1	3	0	
CUT BANK	72	39	82	36	55	6	0.03	-0.14	0.03	1.29	108	9.55	84	89	36	0	0	1	0	
GLASGOW	77	45	86	36	61	8	0.00	-0.19	0.00	1.50	149	17.24	176	83	58	0	0	0	0	
GREAT FALLS	75	42	84	36	59	7	0.08	-0.14	0.08	2.31	183	11.61	91	86	31	0	0	1	0	
HAVRE	76	43	88	38	59	7	0.15	-0.05	0.15	1.96	185	15.45	156	91	60	0	0	1	0	
MISSOULA	79	43	84	37	61	10	0.03	-0.17	0.03	1.05	95	9.27	85	85	54	0	0	1	0	
NE GRAND ISLAND	74	43	83	38	58	-2	0.00	-0.44	0.00	2.55	102	21.95	98	86	49	0	0	0	0	
LINCOLN	75	44	82	42	60	-2	0.20	-0.38	0.20	3.37	112	25.76	107	89	55	0	0	1	0	
NORFOLK	73	41	79	36	57	-2	0.00	-0.45	0.00	2.06	89	26.93	118	88	53	0	0	0	0	
NORTH PLATTE	78	39	87	33	58	0	0.00	-0.28	0.00	0.94	69	20.11	116	88	34	0	0	0	0	
OMAHA	74	49	80	45	61	0	0.12	-0.54	0.12	4.32	133	30.65	121	82	58	0	0	1	0	
SCOTTSBLUFF	78	42	84	35	60	4	0.00	-0.28	0.00	1.41	112	14.72	105	82	43	0	0	0	0	
VALENTINE	75	39	84	34	57	0	0.00	-0.35	0.00	1.52	92	24.06	139	85	44	0	0	0	0	
NV ELY	75	39	79	28	57	4	0.01	-0.21	0.01	***	***	9.56	121	75	37	0	2	1	0	
LAS VEGAS	90	70	92	67	80	3	0.00	-0.06	0.00	0.00	0	3.71	105	31	20	5	0	0	0	
RENO	84	50	91	46	67	8	0.00	-0.08	0.00	0.00	0	5.25	98	46	24	2	0	0	0	
WINNEMUCCA	84	39	89	31	62	6	0.00	-0.11	0.00	0.24	44	4.82	79	49	21	0	1	0	0	
NH CONCORD	65	41	74	32	53	-2	0.37	-0.35	0.26	3.05	94	21.26	77	90	54	0	1	2	0	
NJ NEWARK	69	55	76	51	62	-2	0.47	-0.38	0.31	2.18	53	26.79	75	84	62	0	0	3	0	
NM ALBUQUERQUE	78	54	83	50	66	1	0.03	-0.16	0.02	0.46	42	3.83	52	70	25	0	0	2	0	
NY ALBANY	67	46	72	37	57	1	0.31	-0.39	0.21	2.17	64	25.61	88	91	50	0	0	3	0	
BINGHAMTON	62	45	68	39	54	-1	0.75	-0.01	0.41	1.44	39	25.39	86	93	64	0	0	4	0	
BUFFALO	69	52	76	43	61	4	1.15	0.39	0.48	3.82	97	22.34	75	83	52	0	0	4	0	
ROCHESTER	69	50	77	42	60	3	0.67	-0.01	0.31	2.61	74	20.26	78	89	53	0	0	3	0	
SYRACUSE	66	47	72	40	57	0	0.03	-0.84	0.02	3.70	87	27.11	90	94	51	0	0	2	0	
NC ASHEVILLE	79	55	86	45	67	5	0.53	-0.19	0.45	0.59	15	29.04	79	91	56	0	0	2	0	
CHARLOTTE	84	63	90	52	74	5	4.18	3.31	3.90	5.45	138	26.99	81	90	52	1	0	5	1	
GREENSBORO	80	64	84	59	72	6	1.70	0.73	0.91	2.22	50	33.01	97	100	69	0	0	2	2	
HATTERAS	83	71	87	68	77	5	0.68	-0.51	0.51	9.52	163	61.79	143	92	65	0	0	5	1	
RALEIGH	80	67	86	64	73	6	0.93	0.00	0.51	4.63	105	41.36	122	94	70	0	0	4	1	
WILMINGTON	82	68	86	66	75	3	1.52	0.23	1.33	15.86	228	57.64	123	97	70	0	0	2	1	
ND BISMARCK	71	42	77	35	57	4	0.08	-0.25	0.08	1.18	71	19.72	136	88	47	0	0	1	0	
DICKINSON	71	41	77	34	56	3	0.09	-0.27	0.09	3.43	205	15.36	109	89	34	0	0	1	0	
FARGO	69	45	75	37	57	4	0.00	-0.47	0.00	2.61	116	18.07	102	84	48	0	0	0	0	
GRAND FORKS	67	43	72	37	55	2	0.08	-0.32	0.08	4.17	206	23.19	141	90	50	0	0	1	0	
JAMESTOWN	67	42	74	36	55	2	0.00	-0.37	0.00	3.92	219	22.75	142	93	40	0	0	0	0	
WILLISTON	73	44	80	37	59	8	0.21	-0.07	0.21	3.55	255	15.30	126	83	47	0	0	1	0	
OH AKRON-CANTON	68	53	75	46	61	2	2.19	1.49	1.44	6.54	186	30.13	100	84	59	0	0	4	2	
CINCINNATI	71	53	87	48	62	-1	1.27	0.69	0.65	2.83	98	35.91	109	95	69	0	0	5	1	
CLEVELAND	70	56	76	52	63	4	1.98	1.23	0.97	5.38	139	28.74	97	80	54	0	0	4	1	
COLUMBUS	69	54	82	49	62	0	2.57	2.00	1.39	4.69	156	32.94	109	97	69	0	0	4	2	
DAYTON	69	52	84	49	60	-1	1.64	1.10	1.06	3.54	130	31.06	102	94	64	0	0	5	1	
MANSFIELD	68	52	79	46	60	1	1.37	0.76	0.96	3.74	106	27.36	81	96	57	0	0	4	1	

Based on 1971-2000 normals

*** Not Available

Weather Data for the Week Ending October 1, 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	0.1 INCH OR MORE	5.0 INCH OR MORE
OK TOLEDO	68	50	76	45	59	0	2.00	1.46	0.66	4.19	144	27.50	108	100	68	0	0	5	1
OK YOUNGSTOWN	68	52	73	46	60	2	1.90	1.11	1.12	4.30	108	32.80	111	88	63	0	0	4	2
OK OKLAHOMA CITY	78	55	87	48	67	-2	0.40	-0.61	0.40	4.31	105	24.22	85	85	40	0	0	1	0
OR TULSA	80	53	85	50	67	-3	0.68	-0.44	0.68	2.33	47	23.02	71	92	54	0	0	1	1
OR ASTORIA	69	52	78	44	60	3	0.57	-0.12	0.56	2.73	100	43.58	107	91	71	0	0	2	1
OR BURNS	80	34	88	29	57	6	0.00	-0.11	0.00	0.13	25	4.52	61	64	27	0	3	0	0
OR EUGENE	77	46	91	41	61	2	0.00	-0.31	0.00	0.79	50	21.75	70	82	59	1	0	0	0
OR MEDFORD	85	51	98	46	68	6	0.04	-0.13	0.04	0.05	6	10.05	89	77	32	3	0	1	0
OR PENDLETON	79	48	89	43	64	5	0.00	-0.14	0.00	0.68	105	8.06	93	67	35	0	0	0	0
OR PORTLAND	75	52	89	45	64	4	0.12	-0.27	0.12	1.82	106	23.73	103	82	62	0	0	1	0
OR SALEM	75	49	90	41	62	3	0.11	-0.24	0.11	1.65	111	23.80	98	85	58	1	0	1	0
PA ALLENTOWN	67	49	75	42	58	-1	2.55	1.65	1.62	3.59	80	30.89	89	88	64	0	0	6	1
PA ERIE	70	56	75	47	63	3	1.74	0.74	0.68	6.22	128	34.29	110	83	60	0	0	4	1
PA MIDDLETOWN	68	54	76	49	61	-1	2.39	1.64	0.79	4.93	137	35.70	115	98	67	0	0	5	3
PA PHILADELPHIA	70	57	76	53	63	-1	1.77	0.96	0.93	3.52	88	28.97	88	88	70	0	0	6	2
PA PITTSBURGH	72	52	78	47	62	2	2.31	1.68	1.62	3.46	105	26.59	89	96	59	0	0	4	1
PA WILKES-BARRE	66	50	73	42	58	0	1.74	0.90	0.80	3.70	93	25.37	88	91	58	0	0	5	2
PA WILLIAMSPORT	67	50	77	44	59	0	3.03	2.18	1.50	5.02	123	29.04	91	94	66	0	0	5	3
RI PROVIDENCE	65	53	72	42	59	-1	1.35	0.58	0.57	3.30	87	29.14	85	83	64	0	0	3	2
SC BEAUFORT	88	70	91	62	79	6	0.28	-0.59	0.17	6.67	124	33.93	82	93	52	3	0	3	0
SC CHARLESTON	87	70	89	64	79	6	1.07	-0.01	0.85	12.27	200	44.26	104	92	60	0	0	2	1
SC COLUMBIA	88	65	91	53	77	6	0.13	-0.61	0.13	6.84	169	29.77	76	88	51	3	0	1	0
SC GREENVILLE	85	60	92	49	72	4	0.26	-0.66	0.26	0.99	24	29.20	75	90	43	1	0	1	0
SD ABERDEEN	71	40	76	34	56	1	0.00	-0.39	0.00	1.24	66	15.30	87	87	51	0	0	0	0
SD HURON	73	41	77	34	57	1	0.00	-0.39	0.00	1.32	71	17.28	96	89	41	0	0	0	0
SD RAPID CITY	77	43	84	38	60	4	0.00	-0.26	0.00	0.85	75	11.81	83	80	35	0	0	0	0
SD SIOUX FALLS	71	44	75	40	57	0	0.00	-0.50	0.00	7.64	288	25.48	122	86	62	0	0	0	0
TN BRISTOL	78	55	90	49	67	5	0.60	-0.06	0.43	2.57	81	27.52	84	98	46	1	0	2	0
TN CHATTANOOGA	83	59	97	51	71	3	0.43	-0.48	0.43	1.63	37	24.97	60	85	58	1	0	1	0
TN KNOXVILLE	81	58	94	49	69	2	0.51	-0.17	0.41	1.43	46	32.25	87	87	42	1	0	2	0
TN MEMPHIS	83	61	98	54	72	1	0.00	-0.72	0.00	0.68	20	50.48	126	82	43	1	0	0	0
TN NASHVILLE	78	54	94	49	66	-1	0.23	-0.52	0.11	1.87	51	33.47	92	92	49	1	0	3	0
TX ABILENE	77	56	86	51	67	-5	1.34	0.65	1.33	5.59	186	32.71	178	88	60	0	0	2	1
TX AMARILLO	81	49	88	46	65	-1	0.00	-0.35	0.00	0.84	44	15.72	93	80	32	0	0	0	0
TX AUSTIN	83	62	90	53	72	-5	2.13	1.34	1.70	3.22	106	48.10	195	86	63	1	0	2	1
TX BEAUMONT	87	65	89	56	76	0	0.38	-0.94	0.20	4.01	64	61.53	136	94	49	0	0	2	0
TX BROWNSVILLE	90	74	96	69	82	3	0.91	-0.29	0.35	1.68	31	15.35	73	92	71	4	0	4	0
TX CORPUS CHRISTI	88	70	92	64	79	0	2.16	1.00	1.99	3.06	59	28.34	113	90	66	3	0	2	1
TX DEL RIO	81	64	89	60	72	-5	2.30	1.78	1.74	5.89	277	27.74	190	91	63	0	0	2	2
TX EL PASO	79	59	86	55	69	-3	0.96	0.65	0.88	2.13	129	7.80	104	71	31	0	0	2	1
TX FORT WORTH	81	63	91	57	72	-2	0.13	-0.63	0.13	0.98	39	29.65	116	76	44	1	0	1	0
TX GALVESTON	84	73	87	67	79	0	0.46	-0.70	0.46	1.96	33	42.64	128	87	58	0	0	1	0
TX HOUSTON	86	66	90	58	76	0	0.55	-0.41	0.53	1.74	39	55.31	155	90	63	1	0	2	1
TX LUBBOCK	79	53	88	48	66	-1	0.01	-0.53	0.01	1.50	57	11.42	73	83	45	0	0	1	0
TX MIDLAND	80	56	87	52	68	-3	0.13	-0.42	0.13	2.12	89	12.47	106	78	51	0	0	1	0
TX SAN ANGELO	80	57	88	50	68	-4	2.73	2.04	2.69	5.26	172	30.78	188	91	63	0	0	2	1
TX SAN ANTONIO	83	64	89	59	74	-3	5.53	4.77	4.75	6.30	203	35.76	145	87	55	0	0	2	2
TX VICTORIA	87	64	92	54	75	-2	0.02	-1.18	0.01	2.56	50	32.14	104	96	67	2	0	2	0
TX WACO	82	58	90	49	70	-5	0.39	-0.44	0.39	0.72	24	32.71	134	95	68	1	0	1	0
TX WICHITA FALLS	80	56	91	51	68	-4	0.23	-0.54	0.20	9.88	299	32.26	144	83	55	1	0	3	0
UT SALT LAKE CITY	76	55	81	46	66	6	0.00	-0.35	0.00	1.87	136	10.19	83	73	40	0	0	0	0
VT BURLINGTON	67	48	74	38	58	3	0.17	-0.63	0.12	1.44	37	20.65	74	80	43	0	0	2	0
VA LYNCHBURG	74	63	78	61	69	6	1.81	0.91	0.86	3.39	85	37.11	110	98	75	0	0	6	2
VA NORFOLK	79	67	84	59	73	5	0.40	-0.48	0.39	13.55	324	55.92	154	94	69	0	0	2	0
VA RICHMOND	75	65	80	63	70	4	7.26	6.35	4.85	11.23	273	44.66	130	97	80	0	0	6	3
VA ROANOKE	75	63	82	58	69	5	3.59	2.76	1.19	4.76	120	38.53	115	95	76	0	0	5	3
WA WASH/DULLES	69	59	77	54	64	1	2.35	1.53	0.92	2.76	70	30.75	96	94	73	0	0	6	2
WA OLYMPIA	71	45	83	37	58	3	0.09	-0.41	0.07	1.81	86	29.44	96	91	71	0	0	2	0
WA QUILLAYUTE	65	45	70	36	55	1	0.64	-0.62	0.61	4.80	110	62.99	100	93	79	0	0	2	1
WA SEATTLE-TACOMA	69	52	77	46	60	2	0.07	-0.33	0.05	1.11	66	24.83	111	76	60	0	0	2	0
WA SPOKANE	76	51	83	48	64	9	0.12	-0.03	0.11	0.33	42	9.13	82	67	33	0	0	2	0
WA YAKIMA	81	48	86	39	64	8	0.13	0.07	0.12	0.29	73	6.19	117	69	37	0	0	2	0
WV BECKLEY	75	53	83	45	64	4	0.62	-0.10	0.23	2.20	66	39.26	119	95	54	0	0	3	0
WV CHARLESTON	78	55	88	45	66	4	1.47	0.79	1.12	1.85	52	34.39	100	95	50	0	0	3	1
WV ELKINS	77	49	85	38	63	5	5.04	4.26	3.20	5.41	138	36.38	100	93	39	0	0	5	2
WV HUNTINGTON	77	54	88	47	65	2	1.51	0.92	1.12	1.85	64	38.02	115	95	53	0	0	3	1
WI EAU CLAIRE	67	48	74	44	58	3	0.31	-0.35	0.22	7.82	204	34.87	129	95	52	0	0	2	0
WI GREEN BAY	66	53	77	49	60	5	0.40	-0.16	0.16	4.35	137	25.97	111	97	73	0	0	5	0
WI LA CROSSE	71	53	78	50	62	3	0.14	-0.47	0.07	10.47	301	41.31	153	90	50	0	0	2	0
WI MADISON	67	53	79	48	60	3	0.52	-0.02	0.25	7.24	230	39.62	147	92	72	0	0	5	0
WI MILWAUKEE	66	57	75	50	61	2	1.39	0.77	0.56	4.56	135	25.21	92	86	70	0	0	5	2
WY CASPER	75	39	79	33	57	4	0.00	-0.27	0.00	1.56	153	14.94	142	86	48	0	0	0	0
WY CHEYENNE	74	42	80	37	58	5	0.02	-0.24	0.02	0.86	59	15.52	114	71	36	0	0	1	0
WY LANDER	74	43	78	35	58	4	0.00	-0.30	0.00	1.68	142	19.22	183	81	30	0	0	0	0
WY SHERIDAN	77	43	83	41	60	8	0.00	-0.36	0.00	3.76	263	15.45	130	80	45	0	0	0	0

Based on 1971-2000 normals

*** Not Available

National Agricultural Summary

September 26 - October 2, 2016

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Precipitation was well above normal from the Great Lakes Region to the Mid-Atlantic Coast, with weekly totals greater than 800 percent of normal in parts of Delaware, Maryland, North Carolina, Virginia, and West Virginia. Weekly precipitation totaled 2 inches or less for virtually all other areas of the U.S.

except in Texas and Florida. Above-normal temperatures prevailed across much of the nation during the week, averaging 4°F or more above normal in most of the Corn Belt and Southeast. Conversely, near- to below-normal temperatures were recorded in the Pacific Northwest and Southwest.

Corn: By week's end, 86 percent of the corn was mature, 4 percentage points ahead of last year and 7 percentage points ahead of the 5-year average. Nationwide, producers had harvested 24 percent of the corn by October 2, equal to last year but 3 percentage points behind the 5-year average. Generally dry conditions across the central and western Corn Belt facilitated good harvest progress, including an advance of 19 percentage points in Illinois, and 18 points in Kansas and Missouri. Overall, 73 percent of the nation's corn was rated in good to excellent condition, down slightly from last week but 5 percentage points above the same time last year.

Soybeans: Eighty-three percent of this year's soybean crop was at or beyond the leaf-dropping stage by October 2, slightly ahead of last year and 4 percentage points ahead of the 5-year average. Nationwide, 26 percent of the soybean crop was harvested by week's end, 10 percentage points behind last year and slightly behind the 5-year average. Dry conditions west of the Mississippi River allowed for the soybean harvest to advance 16 percentage points nationwide during the week, with an increase of 34 percentage points noted in North Dakota and 28 points in South Dakota. Overall, 74 percent of the soybean crop was reported in good to excellent condition, up slightly from last week and 10 percentage points above the same time last year.

Winter Wheat: By week's end, producers had sown 43 percent of the nation's 2017 winter wheat crop, slightly behind last year and 2 percentage points behind the 5-year average. Planting progress was at or behind the 5-year average in 11 of the 15 estimating states. Nationwide, 20 percent of the winter wheat was emerged by October 2, four percentage points ahead of last year and 3 points ahead of the 5-year average. Emergence advanced 32 percentage points in Montana and 20 points in Colorado during the week.

Cotton: Bolls were opening across 71 percent of this year's cotton acreage by week's end, 4 percentage points behind last year and 3 points behind the 5-year average.

Nationally, harvest was 16 percent complete by October 2, slightly ahead of last year and 2 percentage points ahead of the 5-year average. Harvest progress was ahead of the 5-year state averages in Georgia and Mississippi. Cotton condition dropped 6 percentage points in the good to excellent categories in South Carolina due to wet conditions. Overall, 49 percent of the nation's cotton was reported in good to excellent condition, slightly above both last week and the same time last year.

Sorghum: By week's end, sorghum coloring had advanced to 96 percent complete, 2 percentage points behind last year but 4 points ahead of the 5-year average. Nationwide, 71 percent of the sorghum was mature by October 2, three percentage points behind last year but 10 points ahead of the 5-year average. By week's end, 41 percent of the nation's crop was harvested, equal to last year but 5 percentage points ahead of the 5-year average. The sorghum harvest was 15 percentage points ahead of the 5-year average in Nebraska and 11 points ahead in Arkansas. 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: By October 2, rice producers had harvested 82 percent of this year's crop, 7 percentage points ahead of last year and 13 points ahead of the 5-year average. Producers achieved double-digit advances in harvest progress in California, Mississippi, and Missouri.

Other Crops: By October 2, twenty-eight percent of the nation's peanuts were harvested, 6 percentage points ahead of last year and 8 points ahead of the 5-year average. Overall, 60 percent of the peanut crop was reported in good to excellent condition, down 3 percentage points from last week and 7 points lower than at the same time last year.

Sugarbeet producers had harvested 19 percent of this year's crop by week's end, 17 percentage points behind last year and 5 points behind the 5-year average. In North Dakota, the sugarbeet harvest was 15 percent complete, 13 percentage points behind the 5-year average.

Crop Progress and Condition

Week Ending October 2, 2016

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

Corn Percent Mature				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
CO	71	41	58	68
IL	93	88	97	89
IN	79	74	87	76
IA	85	72	88	82
KS	92	81	91	89
KY	95	89	95	93
MI	62	50	65	59
MN	84	70	87	73
MO	90	93	98	92
NE	77	69	85	77
NC	100	99	100	99
ND	71	59	77	66
OH	79	57	71	60
PA	84	53	70	71
SD	75	64	80	77
TN	97	98	99	96
TX	82	76	86	87
WI	59	66	80	59
18 Sts	82	73	86	79
These 18 States planted 93% of last year's corn acreage.				

Corn Percent Harvested				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
CO	10	5	9	13
IL	44	24	43	38
IN	26	15	24	21
IA	11	4	10	19
KS	56	29	47	52
KY	62	59	72	59
MI	8	1	6	8
MN	7	3	8	16
MO	61	38	56	57
NE	14	7	15	21
NC	84	87	89	84
ND	5	3	6	11
OH	16	8	13	11
PA	30	13	21	19
SD	11	6	12	20
TN	73	79	89	73
TX	64	64	75	70
WI	6	2	6	9
18 Sts	24	15	24	27
These 18 States harvested 95% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	1	3	22	58	16
IL	1	3	14	56	26
IN	3	6	20	54	17
IA	1	3	15	56	25
KS	2	7	26	54	11
KY	2	5	20	57	16
MI	3	9	26	50	12
MN	1	3	11	57	28
MO	2	5	18	54	21
NE	1	6	20	56	17
NC	3	7	24	49	17
ND	1	3	17	63	16
OH	7	15	34	39	5
PA	7	14	32	39	8
SD	4	13	29	45	9
TN	2	8	27	46	17
TX	2	11	31	45	11
WI	1	2	10	45	42
18 Sts	2	6	19	53	20
Prev Wk	2	5	19	54	20
Prev Yr	3	7	22	48	20

Soybeans Percent Dropping Leaves				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AR	75	71	80	65
IL	83	62	80	79
IN	87	68	82	84
IA	82	68	85	78
KS	64	34	56	66
KY	67	42	57	64
LA	94	84	91	92
MI	91	63	82	81
MN	95	83	96	90
MS	86	78	90	82
MO	46	42	61	55
NE	86	75	89	85
NC	51	44	52	38
ND	97	87	97	96
OH	91	76	88	81
SD	94	88	95	94
TN	74	68	83	65
WI	83	73	88	75
18 Sts	82	68	83	79
These 18 States planted 95% of last year's soybean acreage.				

Soybeans Percent Harvested				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AR	43	32	42	35
IL	42	6	16	23
IN	36	9	15	20
IA	25	4	21	26
KS	12	2	7	13
KY	25	13	21	17
LA	79	59	74	77
MI	29	1	5	16
MN	59	13	40	42
MS	66	45	67	58
MO	14	5	13	10
NE	26	9	27	27
NC	6	6	9	4
ND	59	12	46	45
OH	39	6	12	19
SD	39	11	39	38
TN	21	14	29	16
WI	16	1	8	17
18 Sts	36	10	26	27
These 18 States harvested 95% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	7	10	26	43	14
IL	2	3	15	56	24
IN	2	5	17	55	21
IA	1	3	15	57	24
KS	1	4	24	55	16
KY	2	5	18	56	19
LA	4	13	32	46	5
MI	2	6	23	54	15
MN	2	3	13	54	28
MS	2	8	19	44	27
MO	2	3	20	56	19
NE	1	3	18	60	18
NC	3	8	29	48	12
ND	2	4	18	59	17
OH	3	9	31	47	10
SD	3	9	26	51	11
TN	0	4	18	55	23
WI	1	3	12	46	38
18 Sts	2	5	19	54	20
Prev Wk	2	5	20	54	19
Prev Yr	3	8	25	48	16

Crop Progress and Condition

Week Ending October 2, 2016

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

Cotton Percent Bolls Opening				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AL	84	88	91	77
AZ	87	90	93	93
AR	92	96	99	92
CA	91	73	76	81
GA	88	85	90	84
KS	46	39	51	54
LA	98	99	100	98
MS	93	90	95	90
MO	77	68	86	74
NC	86	76	85	84
OK	63	58	63	70
SC	87	71	78	77
TN	76	80	89	75
TX	67	49	59	67
VA	86	54	66	85
15 Sts	75	63	71	74
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Harvested				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AL	13	6	11	9
AZ	19	15	20	16
AR	18	15	29	14
CA	3	0	0	3
GA	7	8	13	8
KS	4	3	4	1
LA	51	27	46	54
MS	24	15	32	21
MO	0	5	14	9
NC	5	3	5	5
OK	0	0	0	1
SC	12	2	9	9
TN	4	7	15	10
TX	20	11	17	17
VA	1	0	0	1
15 Sts	15	10	16	14
These 15 States harvested 98% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	1	4	42	43	10
AZ	4	0	15	52	29
AR	6	4	17	46	27
CA	0	0	30	30	40
GA	3	10	32	45	10
KS	1	2	29	64	4
LA	2	12	36	43	7
MS	1	7	29	46	17
MO	5	14	52	26	3
NC	2	9	33	50	6
OK	0	1	48	47	4
SC	0	1	56	40	3
TN	1	3	16	57	23
TX	4	15	38	35	8
VA	0	4	42	54	0
15 Sts	3	12	36	39	10
Prev Wk	4	12	36	38	10
Prev Yr	3	12	37	39	9

Winter Wheat Percent Planted				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AR	3	3	7	6
CA	4	4	7	5
CO	71	55	74	73
ID	53	38	50	53
IL	17	1	6	12
IN	21	6	12	14
KS	40	20	40	43
MI	36	18	28	27
MO	13	3	9	10
MT	81	46	70	70
NE	80	72	85	77
NC	0	0	0	2
OH	29	5	10	18
OK	39	25	42	44
OR	25	15	30	28
SD	80	42	56	70
TX	33	30	35	40
WA	64	65	74	70
18 Sts	44	30	43	45
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Percent Emerged				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AR	0	0	1	1
CA	0	0	0	0
CO	32	20	40	35
ID	25	19	29	16
IL	4	0	0	2
IN	5	0	3	3
KS	15	3	12	16
MI	4	2	9	5
MO	2	0	3	2
MT	29	1	33	18
NE	41	42	60	41
NC	0	0	0	0
OH	4	0	1	4
OK	12	1	16	14
OR	3	3	8	7
SD	29	3	19	22
TX	6	10	18	14
WA	45	35	52	51
18 Sts	16	8	20	17
These 18 States planted 90% of last year's winter wheat acreage.				

Rice Percent Harvested				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AR	81	84	91	74
CA	39	18	38	26
LA	99	95	98	99
MS	84	72	82	76
MO	61	72	83	60
TX	99	100	100	99
6 Sts	75	73	82	69
These 6 States harvested 100% of last year's rice acreage.				

Sugarbeets Percent Harvested				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
ID	29	20	23	20
MI	21	11	19	15
MN	42	14	19	26
ND	43	12	15	28
4 Sts	36	14	19	24
These 4 States harvested 84% of last year's sugarbeet acreage.				

Crop Progress and Condition

Week Ending October 2, 2016

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

Sorghum Percent Coloring				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AR	100	100	100	100
CO	96	92	96	93
IL	91	92	95	95
KS	98	96	98	91
LA	100	100	100	100
MO	95	93	96	95
NE	98	100	100	97
NM	84	60	78	67
OK	97	95	97	90
SD	95	99	100	97
TX	97	91	93	93
11 Sts	98	94	96	92
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Mature				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AR	100	100	100	100
CO	54	34	44	44
IL	74	61	70	78
KS	69	46	63	46
LA	100	100	100	100
MO	80	69	82	69
NE	72	63	89	66
NM	26	17	23	13
OK	77	60	74	63
SD	57	67	81	63
TX	82	79	80	80
11 Sts	74	61	71	61
These 11 States planted 98% of last year's sorghum acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AR	93	99	100	89
CO	10	2	6	7
IL	45	12	30	27
KS	22	10	18	11
LA	100	100	100	100
MO	34	19	35	27
NE	5	11	23	8
NM	0	0	0	0
OK	44	32	40	37
SD	10	13	27	19
TX	66	65	69	68
11 Sts	41	34	41	36
These 11 States harvested 98% of last year's sorghum acreage.				

Pasture and Range Condition by Percent Week Ending Oct 2, 2016												
	VP	P	F	G	EX		VP	P	F	G	EX	
AL	13	21	30	33	3		NH	32	33	31	4	0
AZ	10	12	32	36	10		NJ	0	12	37	45	6
AR	1	9	37	43	10		NM	2	20	44	29	5
CA	25	20	30	25	0		NY	4	12	42	36	6
CO	3	6	31	52	8		NC	8	19	39	30	4
CT	5	51	41	3	0		ND	5	11	28	51	5
DE	11	28	30	25	6		OH	10	17	33	35	5
FL	2	2	31	53	12		OK	2	11	38	43	6
GA	16	29	33	20	2		OR	35	20	26	16	3
ID	6	17	37	34	6		PA	21	15	36	25	3
IL	1	2	20	58	19		RI	0	60	40	0	0
IN	2	7	28	54	9		SC	4	21	30	43	2
IA	2	6	28	53	11		SD	8	18	37	35	2
KS	1	4	23	59	13		TN	11	21	38	27	3
KY	3	10	29	51	7		TX	3	8	32	43	14
LA	3	13	43	38	3		UT	4	14	40	36	6
ME	30	29	28	13	0		VT	0	21	68	11	0
MD	2	14	34	43	7		VA	10	22	38	27	3
MA	22	59	19	0	0		WA	9	23	23	41	4
MI	3	10	27	48	12		WV	12	20	34	30	4
MN	1	6	20	55	18		WI	2	4	17	51	26
MS	5	14	37	39	5		WY	13	14	31	38	4
MO	0	3	30	58	9		48 Sts	6	12	32	42	8
MT	13	21	37	24	5							
NE	3	9	26	54	8		Prev Wk	6	12	31	43	8
NV	10	25	35	30	0		Prev Yr	7	15	34	38	6

Sorghum Condition by Percent					
	VP	P	F	G	EX
AR	5	18	33	37	7
CO	0	5	30	58	7
IL	2	5	26	58	9
KS	1	3	21	59	16
LA	0	15	30	43	12
MO	0	3	29	59	9
NE	0	1	14	61	24
NM	0	4	73	22	1
OK	0	1	29	65	5
SD	0	3	39	56	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

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

NA - Not Available
* Revised

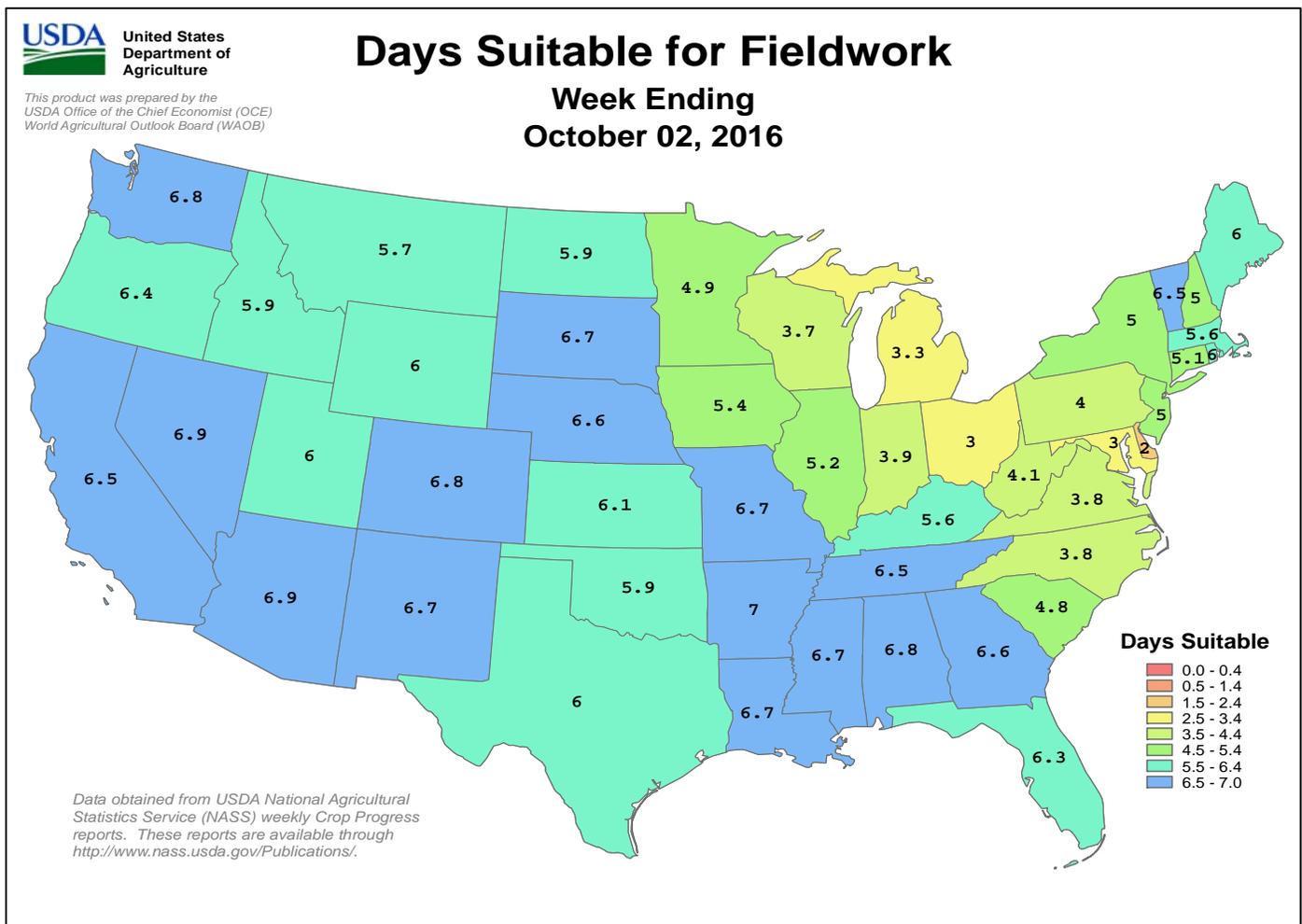
Crop Progress and Condition

Week Ending October 2, 2016

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

Peanuts Percent Harvested				
	Prev Year	Prev Week	Oct 2 2016	5-Yr Avg
AL	29	12	34	17
FL	53	39	58	40
GA	14	17	28	19
NC	7	5	13	13
OK	11	3	4	6
SC	14	11	18	26
TX	24	2	8	12
VA	9	4	19	7
8 Sts	22	16	28	20
These 8 States harvested 97% of last year's peanut acreage.				

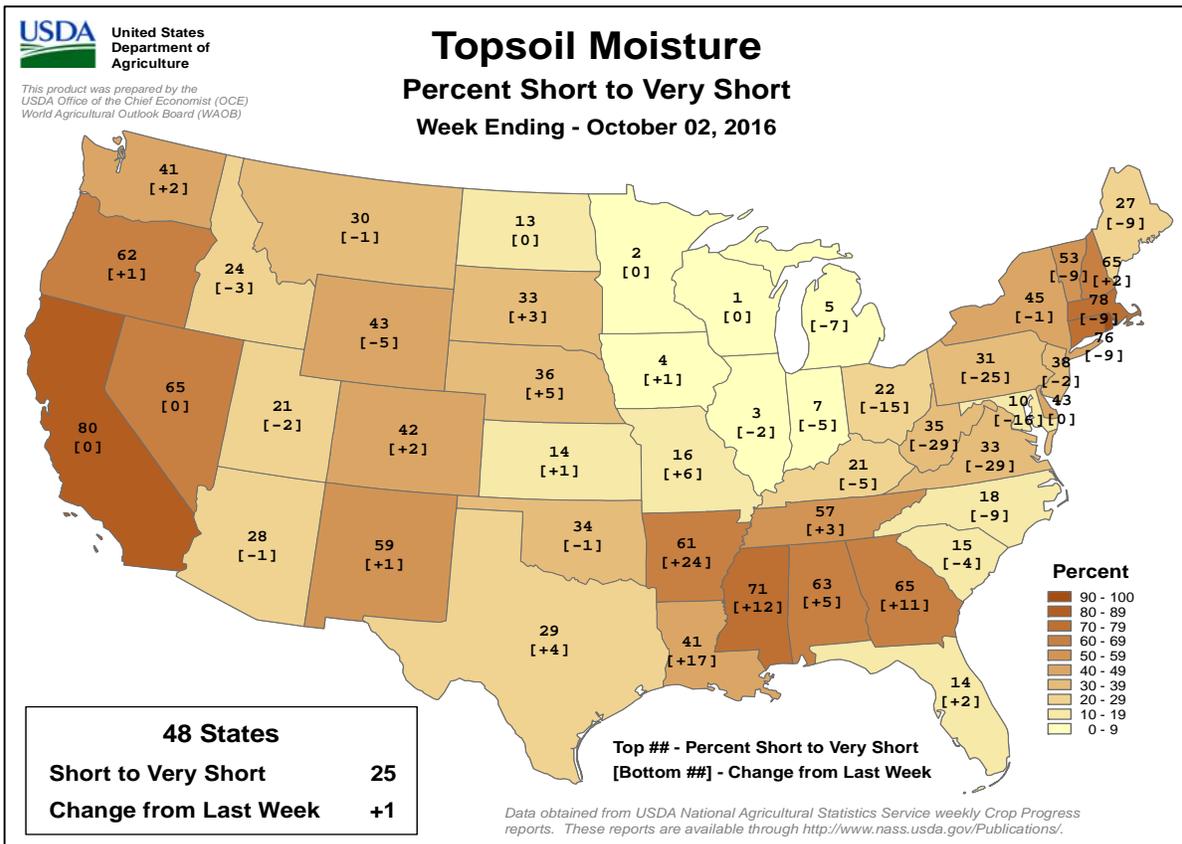
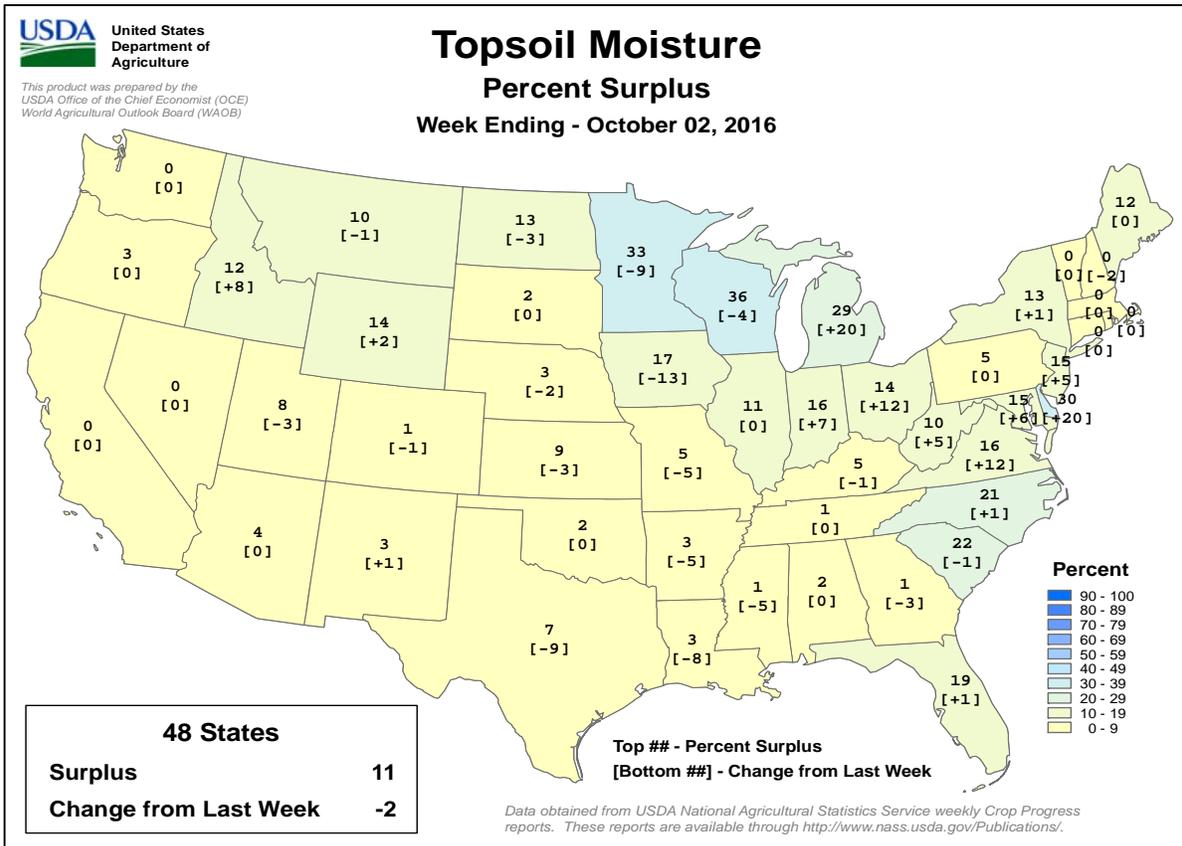
Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	1	51	40	8
FL	0	7	32	48	13
GA	4	11	25	44	16
NC	0	4	20	64	12
OK	0	0	10	86	4
SC	0	5	23	65	7
TX	0	7	33	43	17
VA	0	3	25	68	4
8 Sts	2	8	30	47	13
Prev Wk	2	7	28	50	13
Prev Yr	1	6	26	54	13



Crop Progress and Condition

Week Ending October 2, 2016

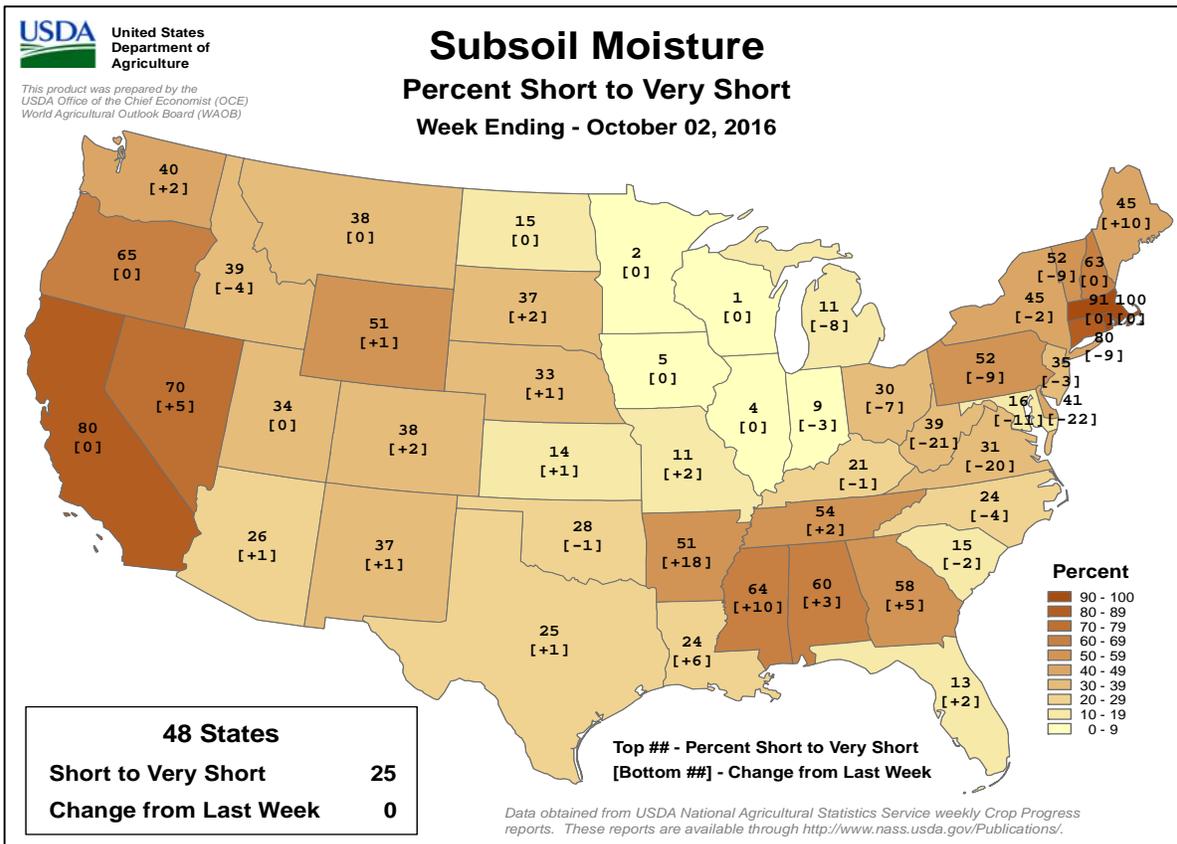
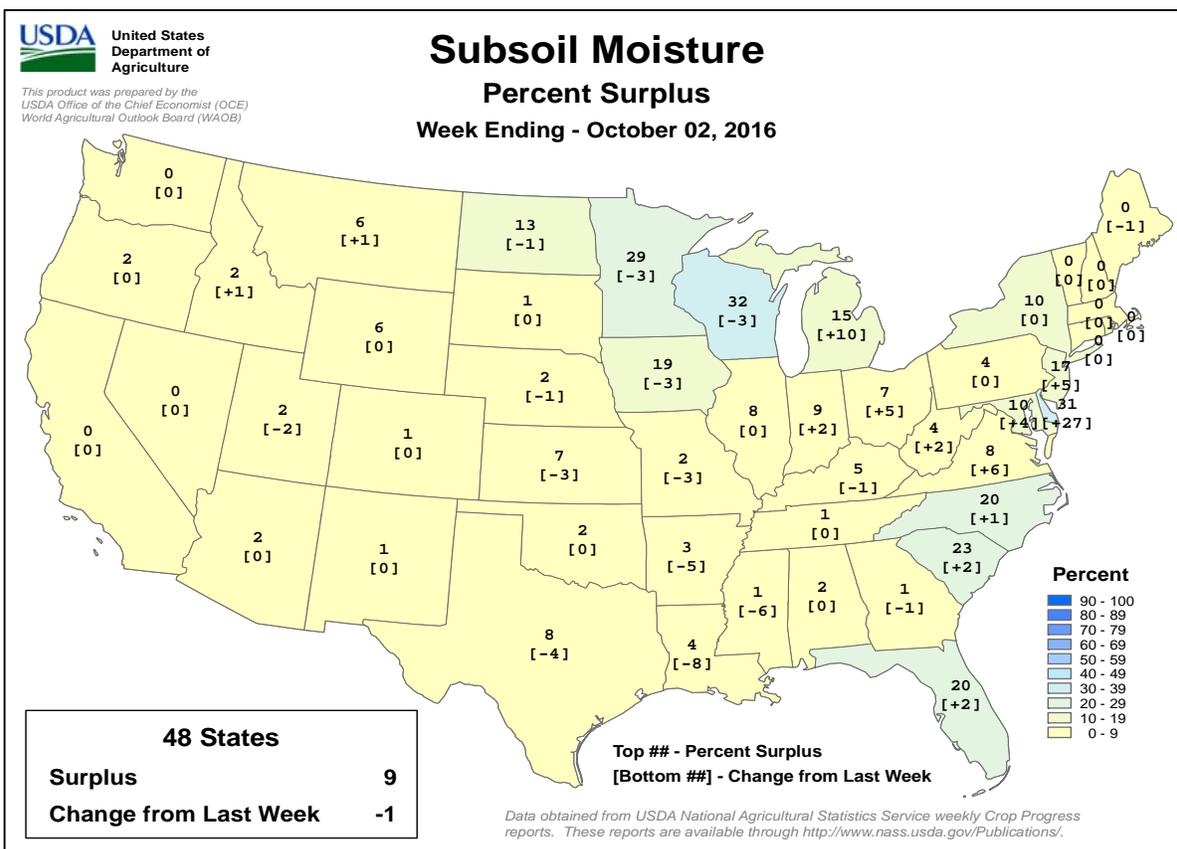
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending October 2, 2016

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



International Weather and Crop Summary

September 25 – October 1, 2016

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

EUROPE: Mostly dry, mild weather promoted fieldwork but maintained concerns over soil moisture deficits in parts of France, Germany, and Poland.

FSU-WESTERN: Soaking rain maintained abundant soil moisture for winter wheat establishment in Russia and eastern Ukraine, while western and northern Ukraine remained unfavorably dry.

FSU-EASTERN: The spring wheat harvest neared completion.

MIDDLE EAST: The return of sunny albeit cool weather in Turkey facilitated summer crop harvesting and winter grain planting.

SOUTH ASIA: The monsoon continued to withdraw at a slow pace, bringing unwelcome late-season showers to western soybean areas of India.

EAST ASIA: Typhoon Megi brought heavy showers to portions of Taiwan and southeastern China, hampering rice harvesting and field preparations for winter crops.

SOUTHEAST ASIA: Heavy showers continued throughout the region, benefiting reproductive rice in northern portions.

AUSTRALIA: Wet weather persisted throughout much of the wheat belt, maintaining abundant to locally excessive soil moisture for winter grains and oilseeds.

ARGENTINA: Showers boosted moisture for winter grains in western production areas of central Argentina.

BRAZIL: Dry, generally warm conditions supported wheat harvesting and summer crop planting in key central and southern production areas.

MEXICO: Widespread, locally heavy rain gave a late-season boost to summer crops and reservoirs.

CANADIAN PRAIRIES: Drier weather improved prospects for spring grain and oilseed harvesting.

SOUTHEASTERN CANADA: Showers moistened topsoils for winter wheat in Ontario's southwestern farming areas.

September 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	17	40	13	24	1	6	-28
	BATNA	29	13	35	8	21	-0.2	11	-18
ARGENT	IGUAZU	26	12	35	4	19	-0.8	60	-110
	FORMOSA	26	12	38	4	19	-1.1	22	-75
	CERES	24	9	33	2	17	0.4	16	-30
	CORDOBA	24	6	34	-4	15	0	1	-35
	RIO CUARTO	22	8	31	-3	15	1.1	2	-43
	ROSARIO	21	8	31	1	14	0.1	25	-41
	BUENOS AIRES	18	8	26	0	13	0	43	-16
	SANTA ROSA	20	5	28	-3	13	0.1	40	2
	TRES ARROYOS	17	6	27	-2	11	0.6	30	-29
AUSTRA	DARWIN	32	25	34	24	29	0.7	36	20
	BRISBANE	23	15	28	12	19	1.2	98	62
	PERTH	19	7	24	3	13	-2	66	-12
	CEDUNA	19	7	28	2	13	-1.3	13	-16
	ADELAIDE	16	10	25	6	13	-0.3	68	2
	MELBOURNE	16	9	23	5	12	0.6	58	6
	WAGGA	16	8	20	3	12	0.5	126	71
	CANBERRA	15	5	20	0	10	0.3	108	51
AUSTRI	VIENNA	25	12	30	5	18	2.4	49	-13
	INNSBRUCK	23	11	29	7	17	3	79	-1
BAHAMA	NASSAU	33	25	34	22	29	1.3	177	17
BARBAD	BRIDGETOWN	31	26	33	24	28	0.9	249	113
BELARU	MINSK	18	10	27	6	14	2.6	39	-25
BERMUD	ST GEORGES	29	25	31	21	27	0.3	321	202
BOLIVI	LA PAZ	17	-1	22	-6	8	0.2	13	-19
BRAZIL	FORTALEZA	30	25	34	24	28	0.2	2	-16
	RECIFE	29	25	30	22	27	-0.1	16	-63
	CAMPO GRANDE	29	17	35	10	23	-1.3	32	-41
	FRANCA	30	17	34	9	24	2.4	3	-62
	RIO DE JANEIRO	26	20	35	17	23	0.9	34	-27
	LONDRINA	28	14	35	7	21	1.3	53	-60
	SANTA MARIA	22	10	32	5	16	-0.3	54	-102
	TORRES	21	13	26	7	17	-2.3	54	-83
BULGAR	SOFIA	24	10	31	3	17	0.9	16	-24
BURKIN	OUAGADOUGOU	33	24	36	21	29	1.1	128	-9
CANADA	TORONTO	25	14	35	8	19	4.1	66	-11
	MONTREAL	23	12	30	4	17	2.8	31	-60
	WINNIPEG	20	9	27	2	15	2.3	0	-51
	REGINA	19	6	32	0	13	1	0	-31
	SASKATOON	19	5	28	0	12	0.6	0	-29
	LETHBRIDGE	***	***	***	***	***	*****	*****	*****
	CALGARY	17	5	26	1	11	0.3	25	-19
	VANCOUVER	18	10	21	5	14	-0.4	78	25
CANARY	LAS PALMAS	27	22	29	21	24	0.2	10	2
CHILE	SANTIAGO	23	7	32	1	15	3.9	0	-20
CHINA	HARBIN	22	13	28	1	17	2.8	69	16
	HAMI	31	14	35	8	22	3.9	5	2
	BEIJING	27	18	32	8	22	2.1	60	14
	TIENTSIN	28	18	33	9	23	1.6	31	-11
	LHASA	20	9	23	6	15	1.4	100	32
	KUNMING	23	16	26	14	19	1.1	296	177
	CHENGCHOW	29	20	36	13	25	3.5	63	-14
	YEHCHANG	30	21	36	18	25	2	2	-107
	HANKOW	31	21	35	16	26	1.6	10	-69
	CHUNGKING	27	22	34	20	24	0.5	142	-3
	CHIHKIANG	31	20	35	17	26	2.4	4	-65
	WU HU	28	21	36	17	24	0.9	341	258
	SHANGHAI	28	22	34	18	25	0.6	294	159
	NANCHANG	29	23	35	17	26	1.4	112	44
	TAIPEI	31	26	35	24	28	0.7	439	184
	CANTON	31	24	36	18	28	0.3	213	61
	NANNING	32	24	36	20	28	0.8	49	-75
COLOMB	BOGOTA	20	9	23	5	14	0.9	141	83
COTE D	ABIDJAN	28	24	30	23	26	1.6	99	38
CUBA	HAVANA	32	23	34	21	27	0.6	0	-145
CYPRUS	LARNACA	31	21	34	18	26	1	0	-2
CZECHR	PRAGUE	23	12	30	5	17	4.2	37	-5
DENMAR	COPENHAGEN	21	13	25	9	17	3.7	25	-37
EGYPT	CAIRO	34	24	40	21	29	1.8	0	*****

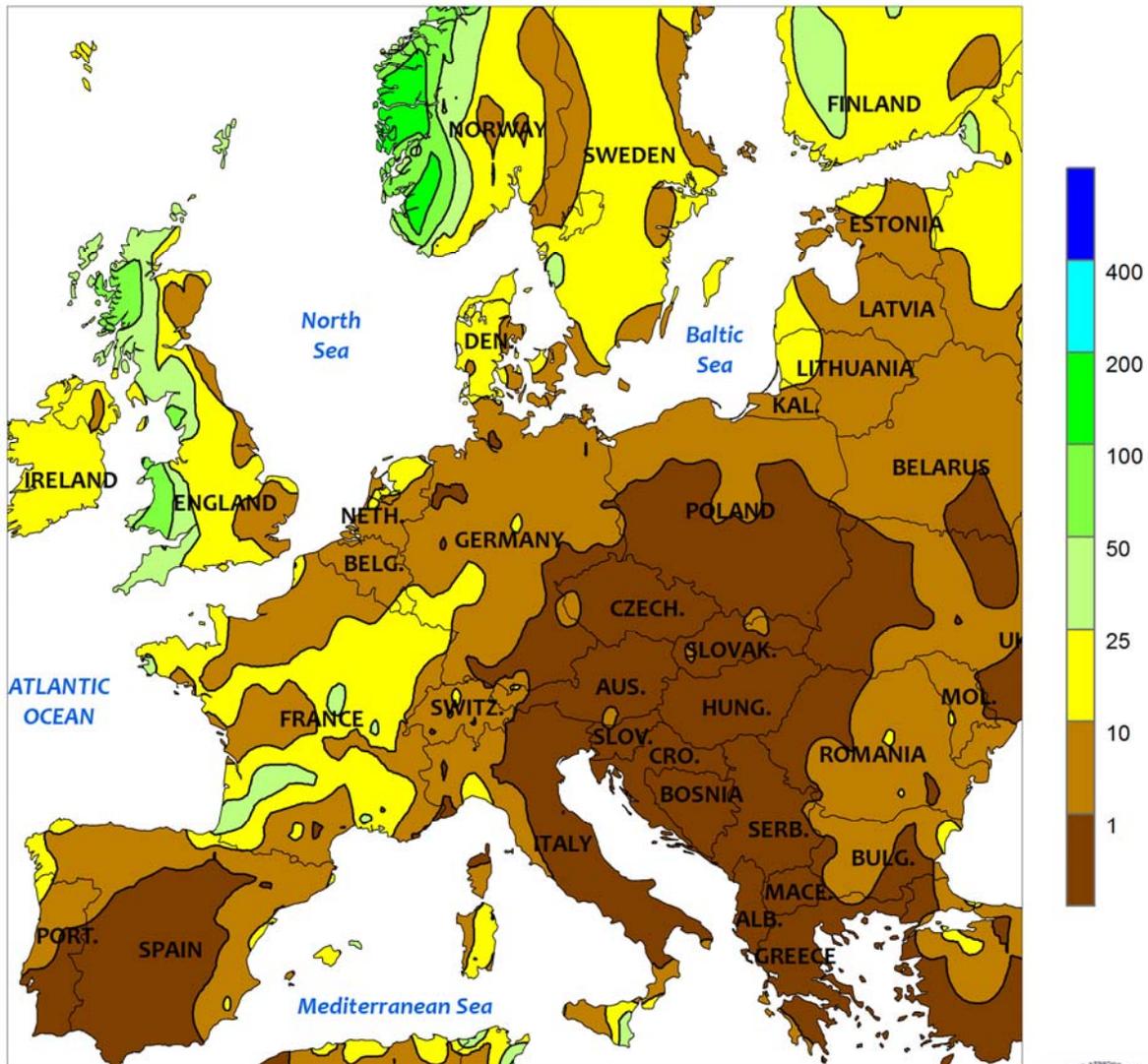
Based on Preliminary Reports

September 2016

COUNTRY	CITY	TEMPERATURE					PRECIP.			COUNTRY	CITY	TEMPERATURE					PRECIP.		
		AVG	AVG	HI	LO	DEP	NRM	TOT	DEP			AVG	AVG	HI	LO	AVG	NRM	TOT	DEP
		(C)					(MM)					(C)					(MM)		
		MAX	MIN	MAX	MIN	AVG				MAX	MIN	MAX	MIN	AVG					
	ASWAN	40	26	43	23	33	1.2	0	0	MOZAMB	MAPUTO	29	20	39	16	25	3.5	43	-4
ESTONI	TALLINN	17	9	22	4	13	2.1	33	-43	N KORE	PYONGYANG	27	17	29	12	22	2.8	31	-73
ETHIOP	ADDIS ABABA	22	12	25	10	17	1.2	107	-68	NEW CA	NOUMEA	26	19	28	15	22	1.4	5	-37
F GUIA	CAYENNE	33	23	34	21	28	1.2	70	1	NIGER	NIAMEY	35	25	39	21	30	0.9	121	32
FIJI	NAUSORI	27	20	32	17	24	0.8	27	-133	NORWAY	OSLO	18	10	22	4	14	5	45	-44
FINLAN	HELSINKI	17	9	22	4	13	2.9	54	-16	NZEALA	AUCKLAND	17	11	20	4	14	*****	177	*****
FRANCE	PARIS/ORLY	24	14	32	8	19	2.6	35	-19		WELLINGTON	14	9	19	4	12	*****	88	*****
	STRASBOURG	25	13	32	6	19	3.8	7	-54	P RICO	SAN JUAN	32	25	34	24	29	0.7	122	-21
	BOURGES	25	13	33	8	19	2.7	6	-57	PAKIST	KARACHI	33	26	35	26	30	0.5	0	-10
	BORDEAUX	27	15	36	10	21	3.2	53	-36	PERU	LIMA	20	16	22	16	18	1.2	3	0
	TOULOUSE	27	15	34	11	21	3.2	15	-36	PHILIP	MANILA	32	26	36	24	29	0.7	297	-69
	MARSEILLE	29	17	34	12	23	2.9	7	-51	PNEWGU	PORT MORESBY	31	25	33	24	28	1.9	0	-33
GABON	LIBREVILLE	29	24	30	23	26	1.1	36	-70	POLAND	WARSAW	22	11	30	3	16	3.4	11	-36
GERMAN	HAMBURG	23	13	30	7	18	4.1	37	-31		LODZ	23	9	30	0	16	2.2	17	-31
	BERLIN	25	13	32	7	19	4.3	13	-31		KATOWICE	22	10	28	4	16	2.4	26	-30
	DUSSELDORF	24	13	33	7	19	3.1	14	-53	PORTUG	LISBON	28	18	39	15	23	1.9	14	-17
	LEIPZIG	24	13	32	9	19	4.3	32	-12	ROMANI	BUCHAREST	26	11	33	4	19	1.4	79	37
	DRESDEN	23	13	31	6	18	3.6	47	-4	RUSSIA	ST.PETERSBURG	16	11	20	5	13	2.2	37	-30
	STUTT GART	24	12	32	5	18	3.0	32	-26		KAZAN	15	9	22	6	12	0.7	106	58
	NURNBERG	24	11	32	5	18	3.6	31	-20		MOSCOW	14	9	23	4	12	0.8	68	3
	AUGSBURG	22	10	30	2	16	2.0	69	0		YEKATERINBURG	15	8	26	4	12	2.2	57	3
GREECE	THESSALONIKA	27	17	31	9	22	-0.2	84	58		OMSK	20	7	28	0	13	3.0	10	-25
	LARISSA	28	16	34	9	22	-0.1	131	101		BARNAUL	21	7	28	-1	14	3.4	19	-16
	ATHENS	29	20	32	15	24	0.1	14	11		KHABAROVSK	19	11	27	2	15	1.5	111	25
GUADEL	RAIZET	31	24	32	23	28	0.3	232	33		VLADIVOSTOK	20	15	25	6	17	1.3	100	-37
HONGKO	HONG KONG INT	32	27	35	23	29	1.1	242	-55		VOLGOGRAD	20	10	31	3	15	-0.4	50	27
HUNGAR	BUDAPEST	25	13	31	5	19	2.9	41	-2		ASTRAKHAN	23	12	31	6	17	0.1	15	-4
ICELAN	REYKJAVIK	12	7	17	2	9	1.7	42	-22		ORENBURG	19	10	29	4	14	0.6	80	53
INDIA	AMRITSAR	34	25	36	21	29	0.9	36	-40	S AFRI	JOHANNESBURG	24	12	29	5	18	1.9	3	-28
	NEW DELHI	35	26	37	25	30	1.0	12	-106		DURBAN	23	16	28	11	19	0.0	75	1
	AHMEDABAD	34	25	37	23	30	0.4	114	15		CAPE TOWN	20	10	26	4	15	1.0	39	-4
	INDORE	31	22	34	20	26	0.4	101	-53	S KORE	SEOUL	28	19	31	14	24	2.4	36	-87
	CALCUTTA	34	27	36	25	31	1.3	218	-121	SAMOA	PAGO PAGO	30	25	31	23	28	0.8	138	-49
	VERAVAL	31	26	34	23	28	0.6	100	9	SENEGA	DAKAR	31	26	33	23	28	0.7	218	70
	BOMBAY	30	24	31	22	27	-0.7	716	369	SPAIN	VALLADOLID	27	13	37	8	20	1.8	11	-19
	POONA	28	21	30	19	25	-0.4	59	-86		MADRID	30	14	40	9	22	1.6	6	-17
	BEGAMPET	29	22	32	20	25	-1.2	419	281		SEVILLE	34	19	45	13	26	1.2	12	-14
	VISHAKHAPATNAM	32	27	35	26	29	0.9	222	42	SWITZE	ZURICH	22	13	28	7	18	3.7	53	-39
	MADRAS	34	25	37	23	30	-0.2	268	128		GENEVA	24	13	30	8	19	3.4	34	-62
	MANGALORE	29	23	30	21	26	-0.7	217	-71	SYRIA	DAMASCUS	34	17	40	11	25	1.8	0	*****
INDONE	SERANG	32	24	34	22	28	0.4	162	88	TAHITI	PAPEETE	30	23	31	22	27	1.6	5	-43
IRELAN	DUBLIN	18	11	25	5	15	1.4	52	-11	TANZAN	DAR ES SALAAM	31	20	33	18	25	0.7	23	-7
ITALY	MILAN	28	17	32	11	22	3.3	13	-74	THAILA	PHITSANULOK	33	25	35	24	29	0.3	278	50
	VENICE	26	17	30	12	21	2.5	159	85		BANGKOK	33	26	35	25	30	1.0	348	0
	GENOA	28	20	34	16	24	2.2	46	-49	TOGO	LOME	29	25	31	23	27	1.2	7	-41
	ROME	27	17	30	13	22	0.8	58	-14	TRINID	PORT OF SPAIN	34	24	35	24	29	1.9	177	-26
	NAPLES	27	18	33	15	23	1.5	85	-3	TUNISI	TUNIS	30	21	36	17	26	0.8	94	59
JAMAIC	KINGSTON	33	26	34	25	30	1.3	46	-85	TURKEY	ISTANBUL	27	19	32	12	23	2.3	6	-25
JAPAN	SAPPORO	24	16	31	10	20	2.3	110	-23		ANKARA	25	10	32	2	17	0.9	24	10
	NAGOYA	29	23	34	18	26	2.3	290	59	TURKME	ASHKHBAD	32	21	37	14	27	3.2	0	-3
	TOKYO	28	22	33	18	25	1.4	293	78	UKINGD	ABERDEEN	18	11	26	6	14	2.5	24	-49
	YOKOHAMA	28	23	33	18	25	1.6	319	79		LONDON	22	14	33	9	18	2.7	40	-16
	KYOTO	30	23	35	18	26	1.7	457	261	UKRAIN	KIEV	22	11	30	6	16	2.7	6	-54
	OSAKA	30	23	35	19	26	1.7	188	23		LVOV	22	10	30	5	16	2.8	39	-27
KAZAKH	KUSTANAY	19	8	27	3	13	1.3	74	49		KIROVOGRAD	23	8	31	3	16	0.8	0	-41
	TSELINOGRAD	22	10	29	3	16	3.4	28	-6		ODESSA	23	14	29	7	19	1.8	115	79
	KARAGANDA	23	7	29	0	15	2.8	18	-1		KHARKOV	19	9	30	2	14	0.2	16	-31
KENYA	NAIROBI	26	13	30	10	19	0.7	1	-26	UZBEKI	TASHKENT	32	17	36	13	25	4.1	4	-1
LITHUA	KAUNAS	19	9	26	3	14	2.0	23	-31	VENEZU	CARACAS	***	***	32	26	***	*****	*****	*****
LUXEMB	LUXEMBOURG	23	13	31	9	18	4.0	21	-52	YUGOSL	BELGRADE	26	15	31	9	20	2.7	48	-4
MALAYS	KUALA LUMPUR	33	25	36	22	29	2.1	249	60	ZAMBIA	LUSAKA	28	19	35	15	23	0.1	0	-1
MALI	BAMAKO	32	23	36	21	28	1.2	101	-97	ZIMBAB	KADOMA	32	16	35	13	24	-0.3	0	-3
MARSHA	MAJURO	31	27	39	26	29	1.4	332	30										
MARTIN	LAMENTIN	32	25	34	22	28	1.4	316	111										
MAURIT	NOUAKHOTT	35	27	45	23	31	1.6	32	-1										
MEXICO	GUADALAJARA	26	18	29	15	22	1.3	169	9										
	TLAXCALA	23	12	26	9	18	0.0	168	46										
	ORIZABA	26	17	29	13	21	1.6	429	71										
MOROCC	CASABLANCA	27	20	34	17	24	1.4	0	-5										
	MARRAKECH	33	19	43	15	26	0.5	25	17										

Based on Preliminary Reports

EUROPE
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



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

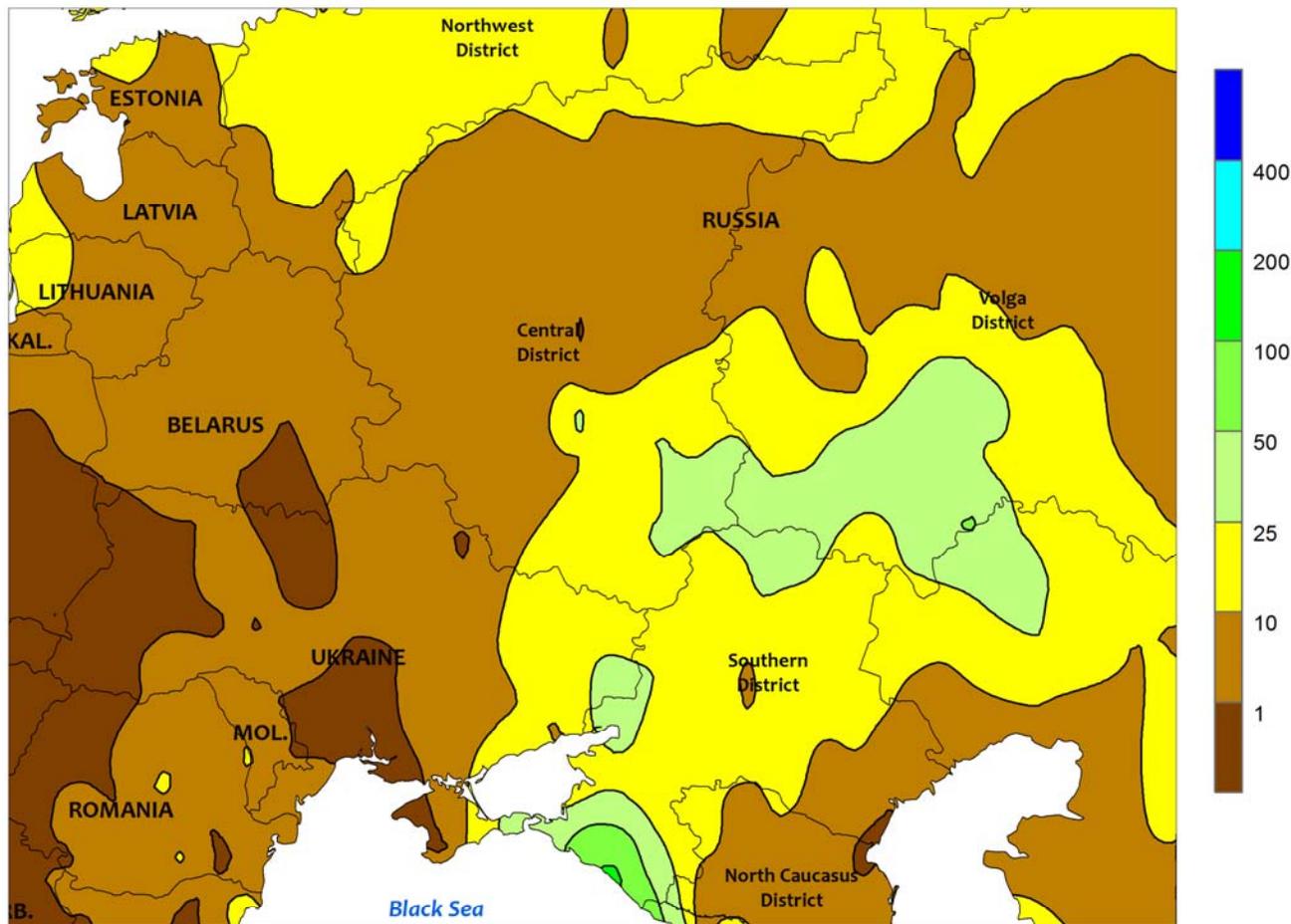


EUROPE

Dry weather for most of the week facilitated winter crop planting and other seasonal fieldwork but kept soils unfavorably dry in parts of northern and western Europe. Before the arrival of late-week showers (2-20 mm) in northern portions of the continent, dry weather maintained a rapid pace of winter crop planting from southeastern England and northern France into Poland and the Baltic States. However, many of these same locales need additional soil moisture for winter crop establishment,

with 60-day rainfall averaging 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. Farther south, dry weather was beneficial for winter wheat establishment in the Balkans, with rainfall over the past 60 days averaging near to above normal. Temperatures for the week averaged 2 to 5°C above normal in the north and west, and up to 2°C below normal in southeastern Europe.

WESTERN FSU
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



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

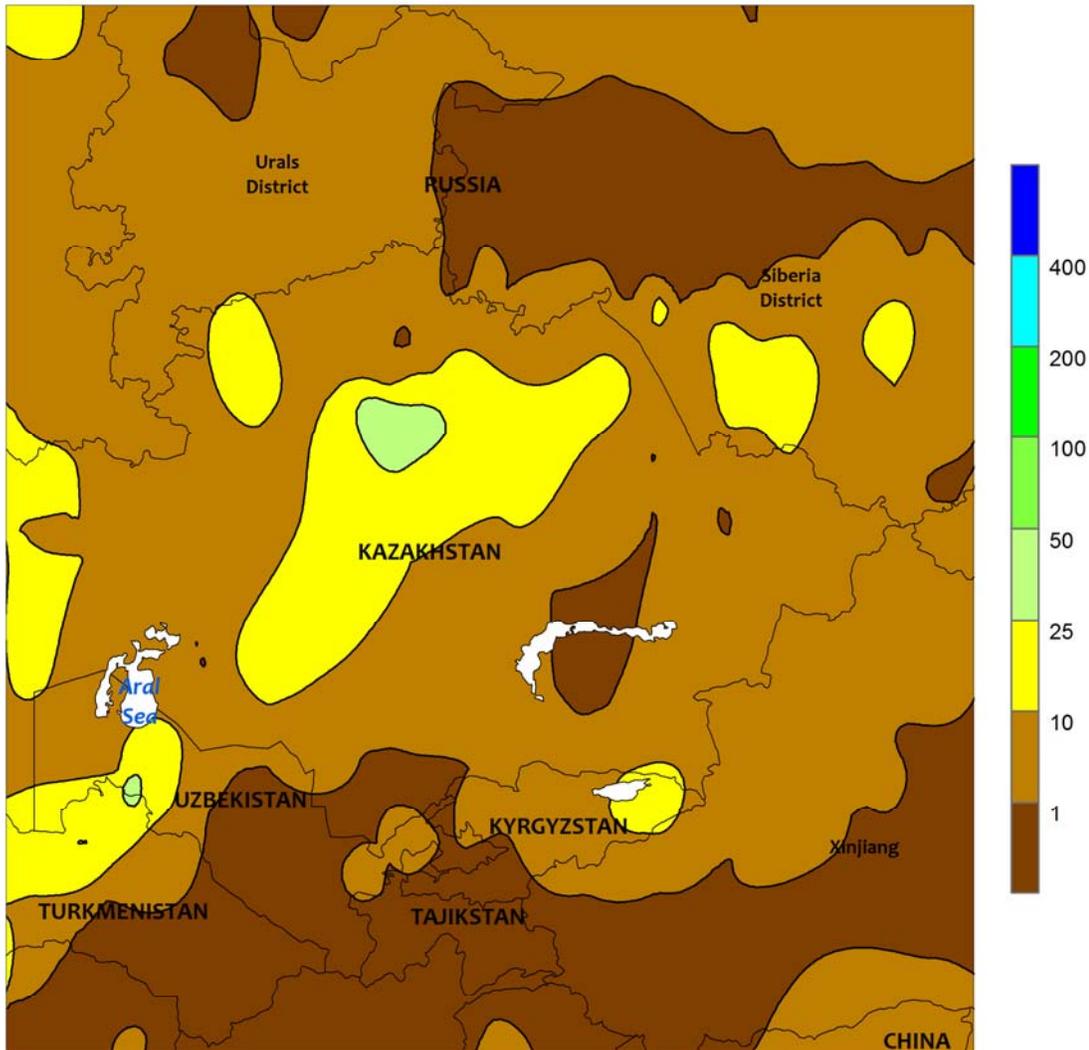


WESTERN FSU

Wet weather lingered over central and eastern portions of the region, favoring winter wheat development but slowing fieldwork. A storm system drifted east across west-central Russia, producing widespread rain (10-50 mm) in many primary winter crop areas of eastern Ukraine and western and southern Russia. The rain further improved soil moisture for crop establishment in eastern Ukraine and maintained adequate to abundant moisture supplies in Russia. Nevertheless, a sharp

contrast exists within Ukraine between sufficient moisture supplies in southern and eastern portions of the country and locally severe drought in northern and western growing areas. Although winter wheat is primarily grown in southern and eastern Ukraine, producers in central portions of the country have likely struggled with crop establishment due to pronounced short-term dryness (locally less than 10 percent of normal over the past 30 days).

EASTERN FSU
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



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



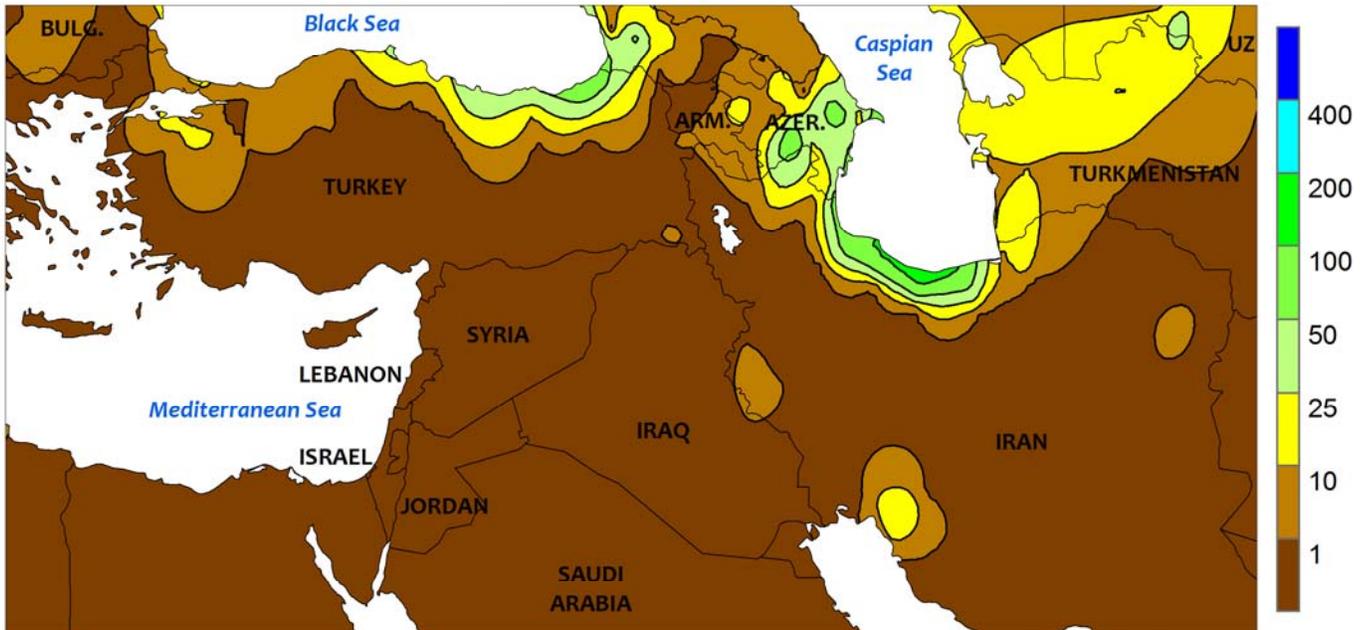
EASTERN FSU

Sunny, warm weather promoted late spring wheat harvesting in the north and early cotton harvesting in the south. The spring wheat harvest was nearing completion in Kazakhstan and central Russia, with dry weather for much of the week allowing producers to finalize this year's good to excellent growing campaign. Farther south, late-season heat (3-5°C

above normal) and seasonable dryness in Uzbekistan accelerated cotton drydown and early harvesting.

This will be the last weekly summary for Eastern FSU. Coverage will resume in April, 2017, to coincide with spring grain planting.

MIDDLE EAST
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



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

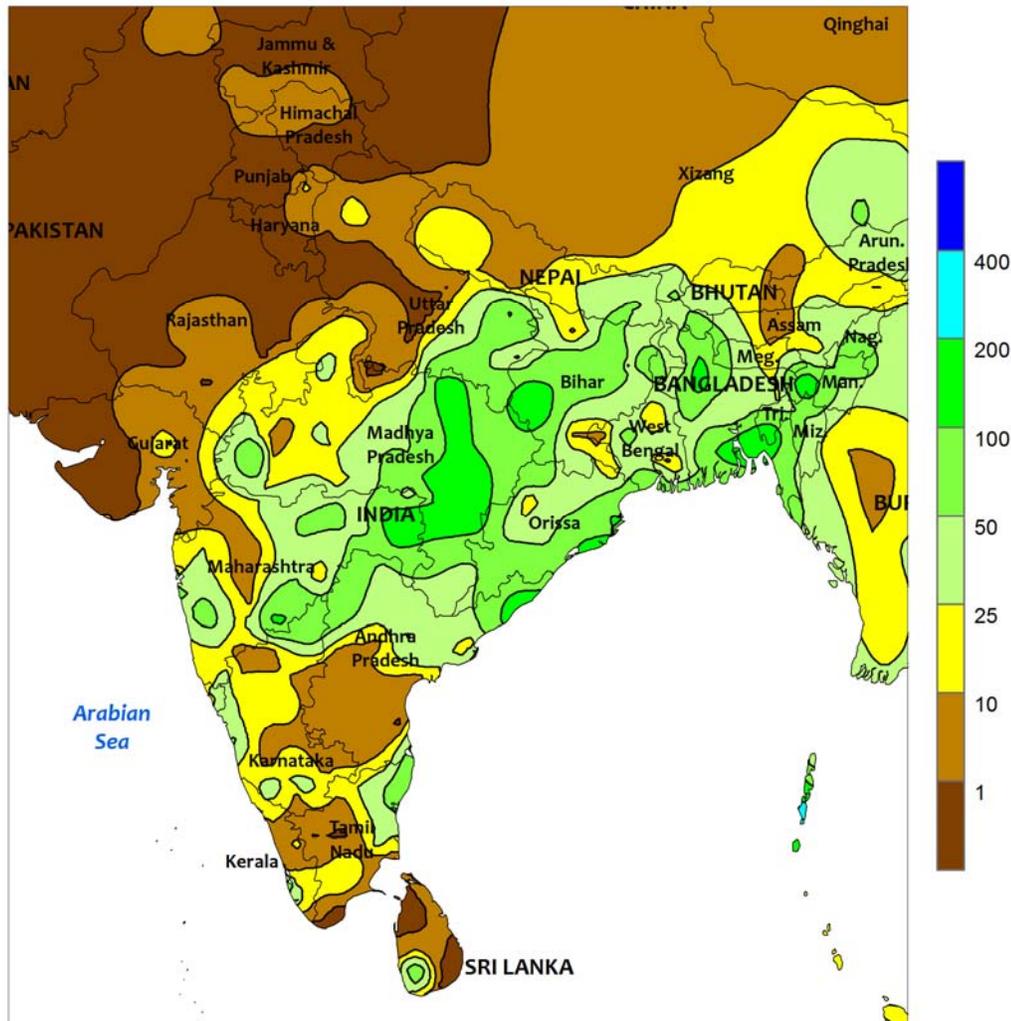


MIDDLE EAST

Following last week’s soaking rainfall, dry weather in Turkey allowed seasonal fieldwork to resume. In the wake of a departing storm system, dry albeit cool weather (up to 5°C below normal) promoted corn and cotton harvesting in Turkey. While last week’s rain conditioned soils for winter

grains, the return of sunny skies encouraged producers to resume sowing efforts. Seasonably dry conditions elsewhere in the Middle East promoted fieldwork; the wet season typically begins in November over Iraq and southern and eastern portions of Iran.

SOUTH ASIA
 Total Precipitation (mm)
 SEP 25 - OCT 1, 2016



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

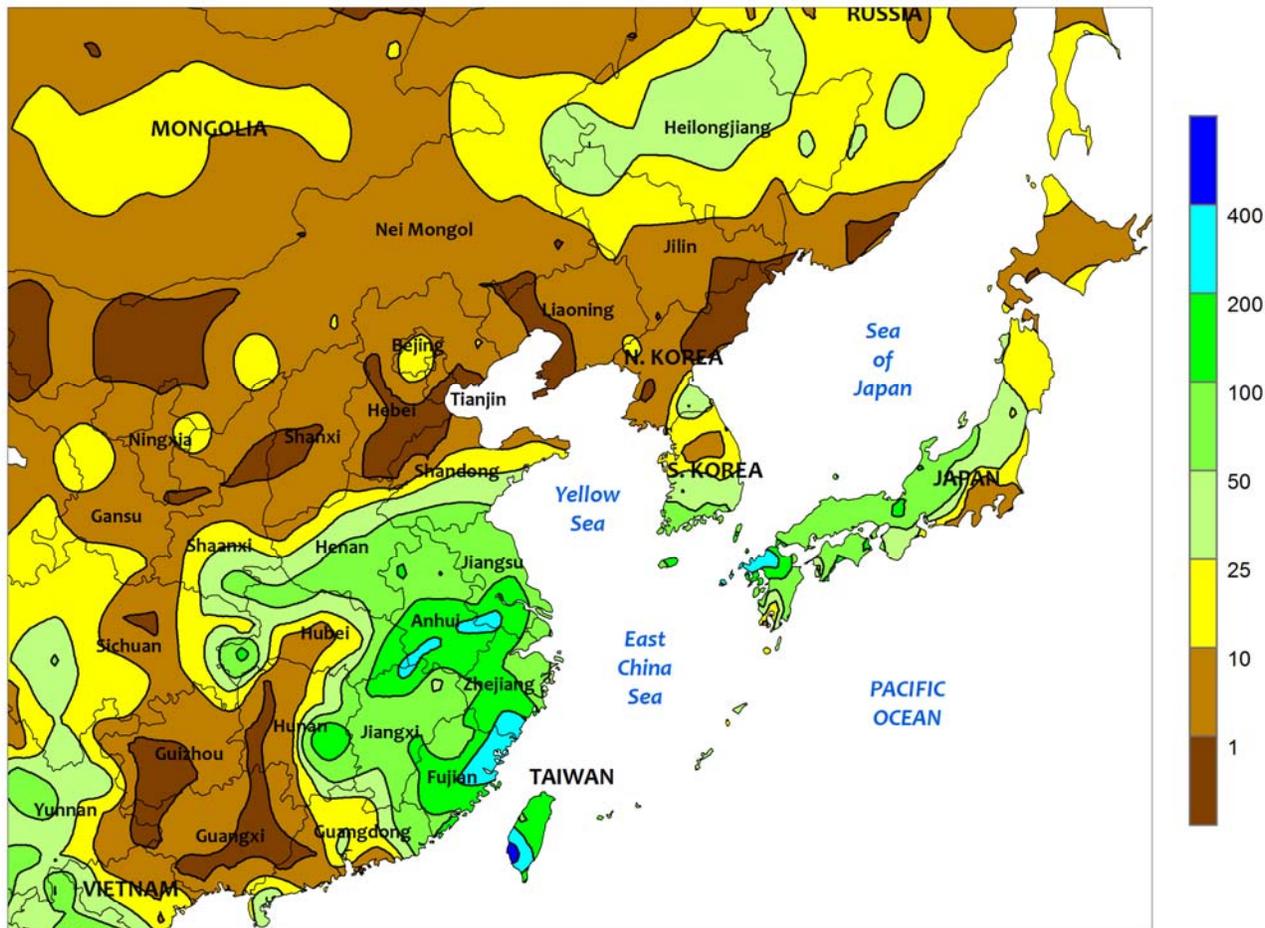


SOUTH ASIA

The summer monsoon continued to withdraw at a slower-than-normal pace, with some areas experiencing a two to four week delay in the cessation of seasonal rainfall. Seasonably dry weather was reported in far northern and western India into Pakistan, benefiting cotton and rice harvesting. Rainfall, however, lingered into soybean areas of Madhya Pradesh, where over 25 mm provided more unfavorable wetness for a

crop beginning to mature. Meanwhile, seasonably wet weather continued in central and eastern India, benefiting reproductive cotton in Maharashtra and immature rice in Orissa and other nearby states. In other parts of the region, 25 to over 100 mm of rain in Bangladesh benefited rice harvested in December, while dry weather in Sri Lanka aided winter rice transplanting.

EASTERN ASIA
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



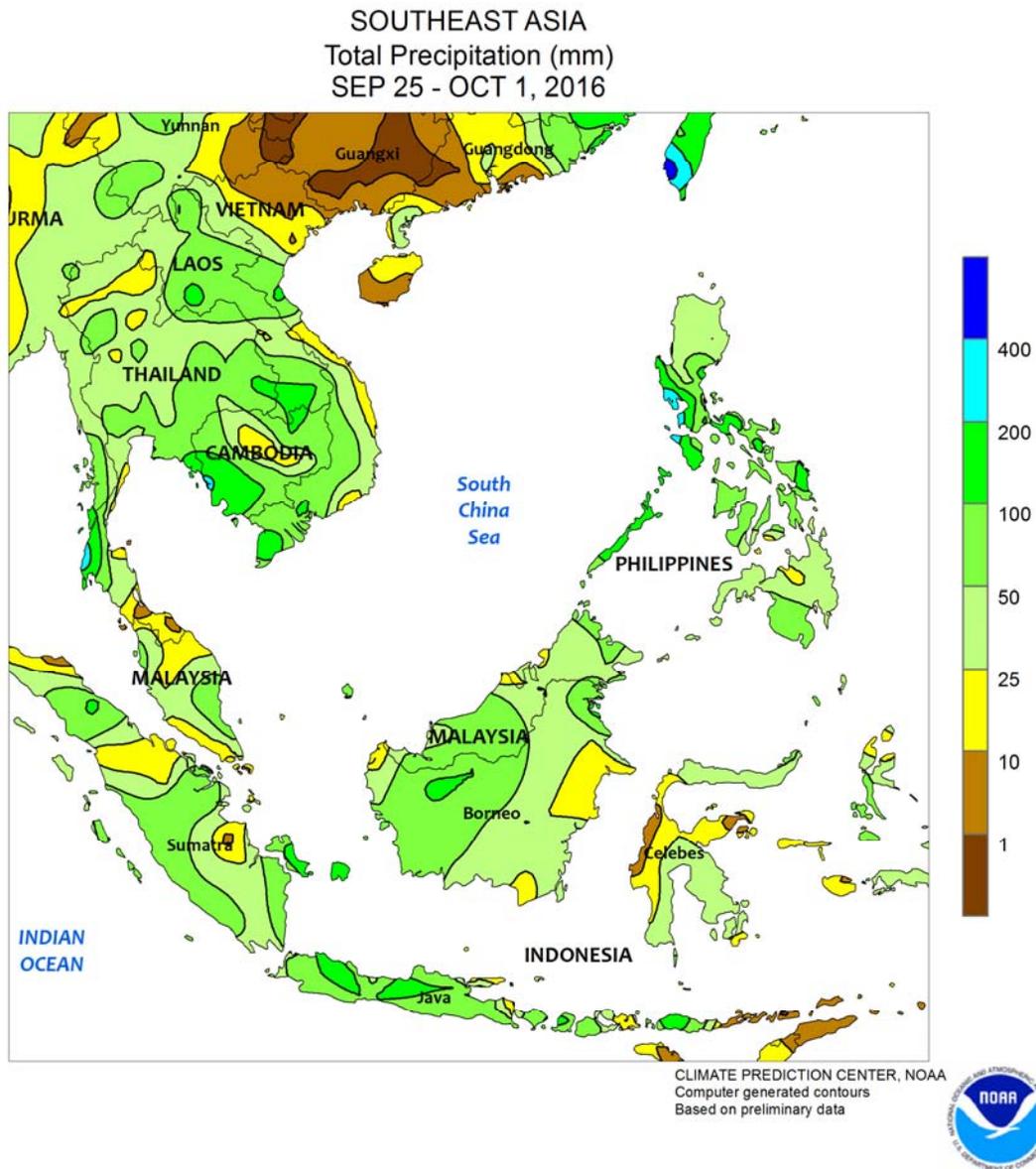
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



EASTERN ASIA

Typhoon Megi cut across Taiwan early in the period before moving into southeastern China. Megi's highest sustained winds were 115 knots just prior to making landfall in Taiwan, with the storm weakening rapidly as it crossed the Taiwan Strait. The highest rainfall totals (over 550 mm) occurred in southern Taiwan, with slightly lower amounts (over 350 mm) along coastal China (Fujian and Zhejiang). The severe weather coincided with rice harvesting in Taiwan and ripening of late-crop rice in China. Megi was the third typhoon to make landfall in Taiwan this year, marking an unusually active tropical

cyclone season for the country. Elsewhere in the region, the remnants of Megi brought widespread rainfall to eastern China, with most areas receiving over 50 mm (locally over 200 mm). The wet weather was unwelcome as field preparations begin in the Yangtze Valley for winter rapeseed planting and winter wheat planting on the North China Plain. Farther north, unfavorably wet weather continued for mature corn and soybeans, with a season-ending freeze extending well into Inner Mongolia and western Heilongjiang. Meanwhile, showers in Japan and southern South Korea hampered rice harvesting.

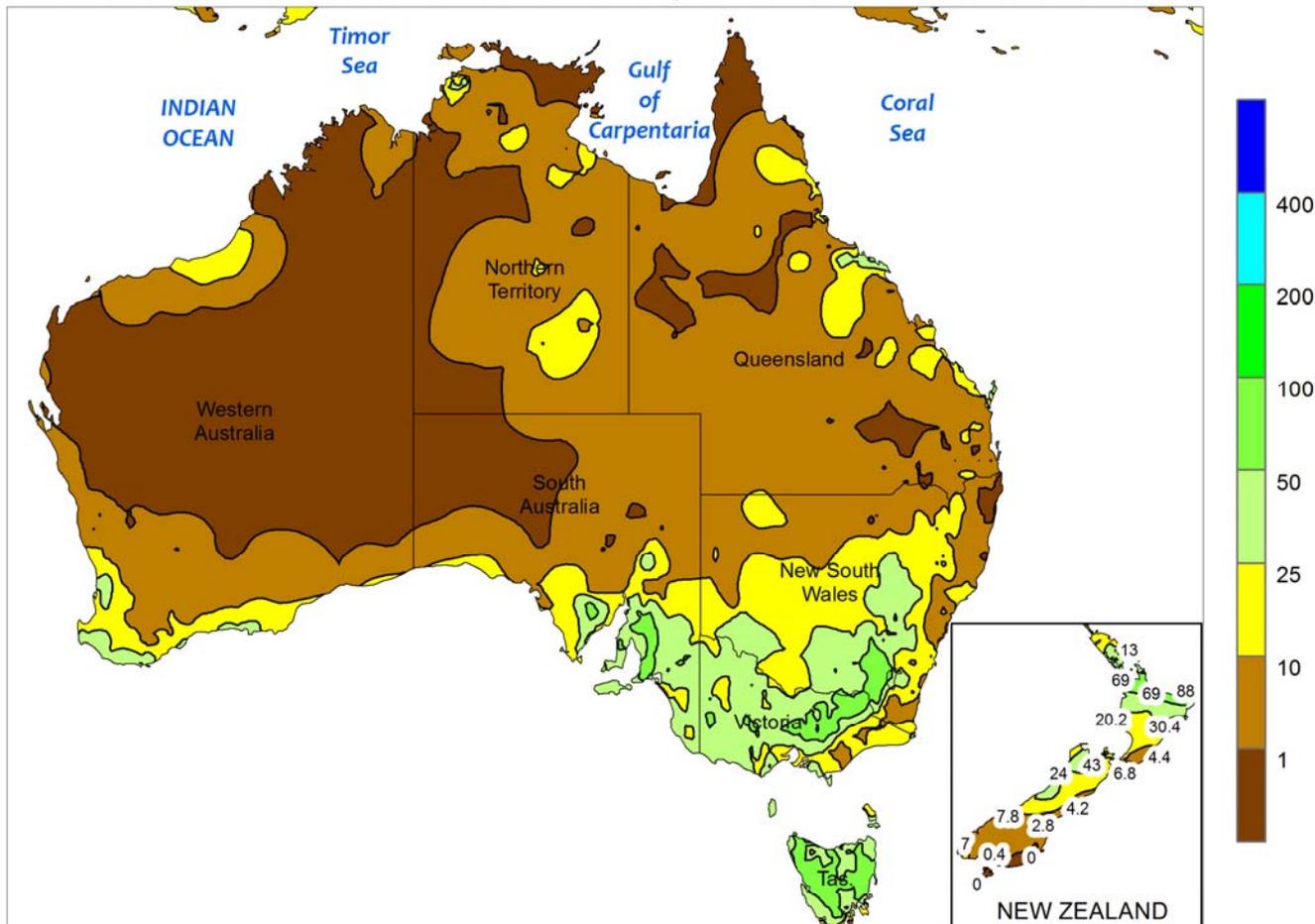


SOUTHEAST ASIA

Widespread showers continued throughout the region, benefiting rice in the latter stages of reproduction. Much of Thailand received well in excess of 25 mm of rain (locally over 100 mm in the east), with similar amounts extending into Laos, Cambodia, and winter rice areas of Vietnam. Farther east, Typhoon Megi, passing to the north, enhanced monsoon showers in the northern Philippines, where over 450 mm of rain was reported in southwestern Luzon. Rice and corn in the remainder of the country benefited from more seasonable amounts of rainfall (25-50 mm, locally more).

Meanwhile in southern sections of the region, showers (50-100 mm, lower in some areas) hampered oil palm harvesting in Indonesia and Malaysia but further increased soil moisture and water reserves. In Java, Indonesia, unseasonably heavy showers continued at a nearly unprecedented rate. Rainfall totals since August 1 have surpassed 300 mm, making it the second wettest period in the last 30 years by a large margin. Typically the rainy season begins in early November in western Java with main-season rice transplanting coinciding with the onset of rain.

AUSTRALIA
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



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

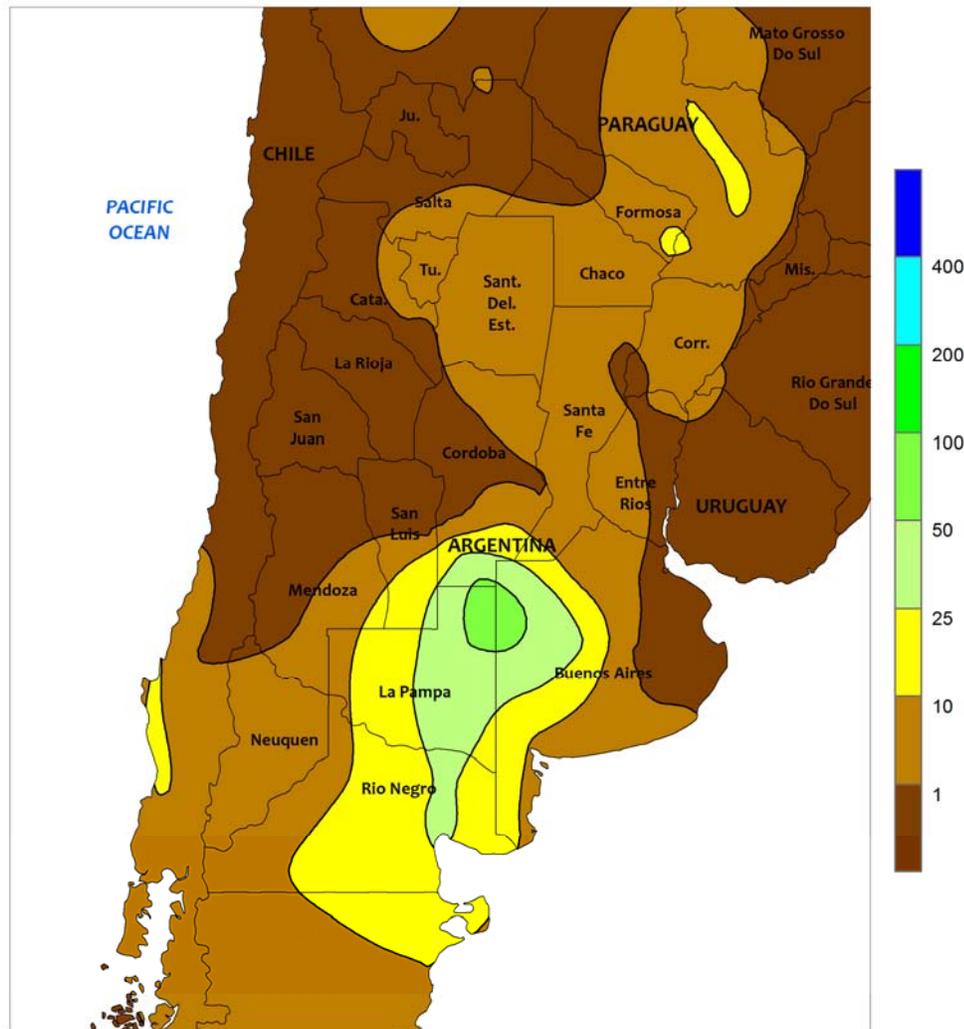


AUSTRALIA

Wet weather persisted throughout much of the wheat belt, maintaining abundant to locally excessive soil moisture for winter grains and oilseeds. The heaviest rain fell in South Australia, Victoria, and southern New South Wales, where local flooding continued. Weekly totals ranged from 10 to 30 mm, with amounts locally in excess of 50 mm. In areas where flooding was not occurring, the rain continued to benefit reproductive to filling wheat and other immature winter crops. Somewhat less rain fell in Western Australia, where weekly totals generally ranged from 5 to 25 mm. The rain continued

to favor wheat, barley, and canola development, maintaining good to excellent yield prospects. Elsewhere in the wheat belt, mostly dry weather (less than 5 mm) in extreme northern New South Wales and southern Queensland spurred fieldwork, including cotton and sorghum planting. Sunny skies and plentiful soil moisture aided summer crop germination and emergence as well, while also benefiting filling winter wheat. Temperatures averaged 1 to 2°C below normal throughout the Australian wheat belt, and isolated frost may have occurred in parts of Western Australia during mid-week.

ARGENTINA
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



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

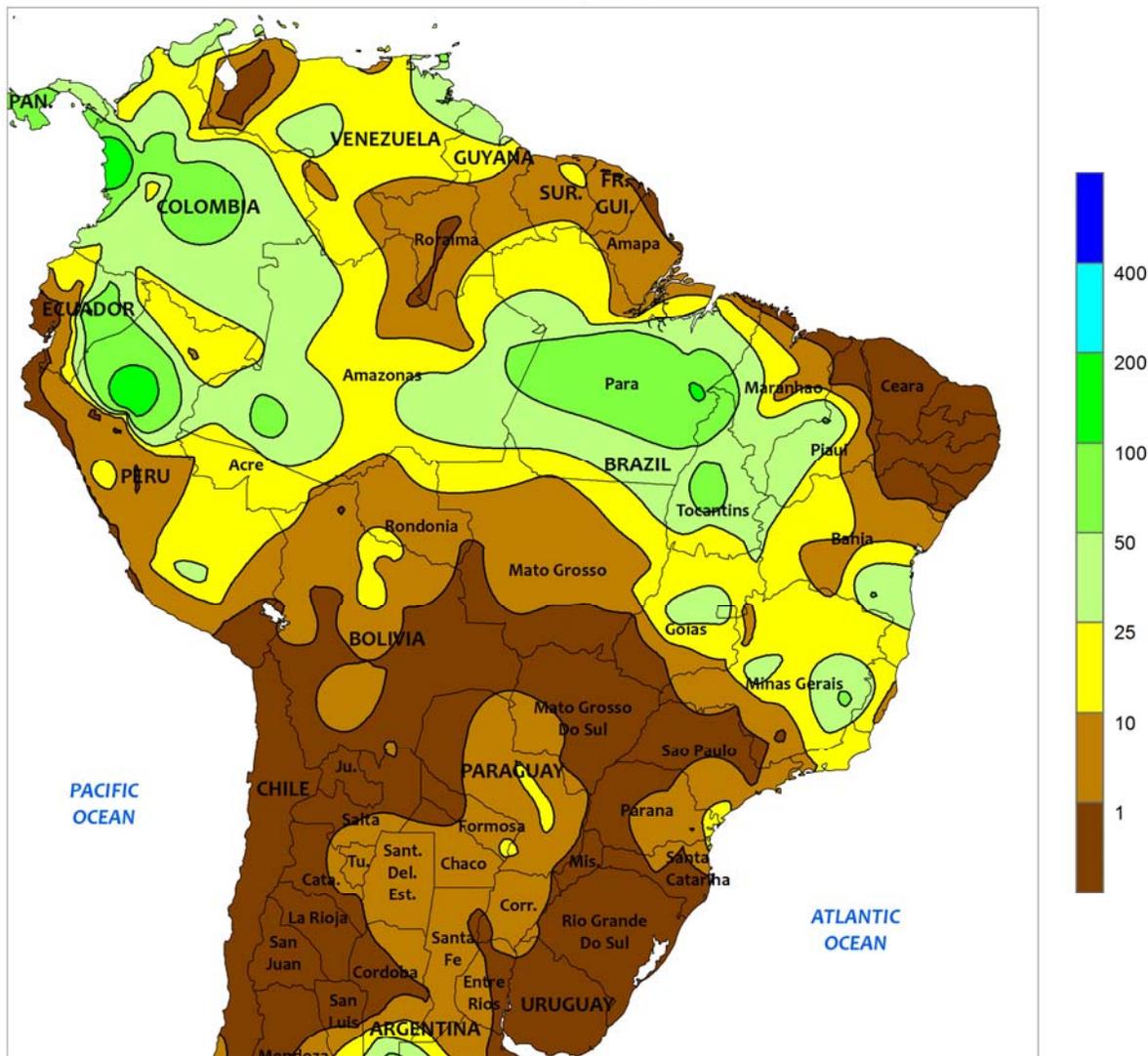


ARGENTINA

A timely increase in seasonal showers benefited winter grain development in southwestern farming areas. Rainfall totaled 10 to 50 mm in western Buenos Aires, La Pampa, and southern Cordoba, with locally higher amounts centered over northeastern La Pampa. Little to no rain fell elsewhere in Argentina; moisture would be welcomed for winter grain growth, particularly in northern production areas where conditions have been seasonably warmer and crops are further along in development. Weekly temperatures averaged near to above normal in western farming areas (La Pampa and western

Buenos Aires northward) and slightly below normal in the east (eastern Buenos Aires to Corrientes). Daytime highs reached the lower 20s (degrees C) in La Pampa and Buenos Aires and as high as the upper 30s in and around Chaco and Formosa. Nighttime lows under 5°C — with continued freezes in southern Buenos Aires — slowed vegetative growth of winter grains as far north as Santiago del Estero. According to Argentina’s ministry of agriculture, sunflowers were 35 percent planted as of September 29, 14 points ahead of last year’s pace. Corn planting was also reportedly underway.

BRAZIL
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



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

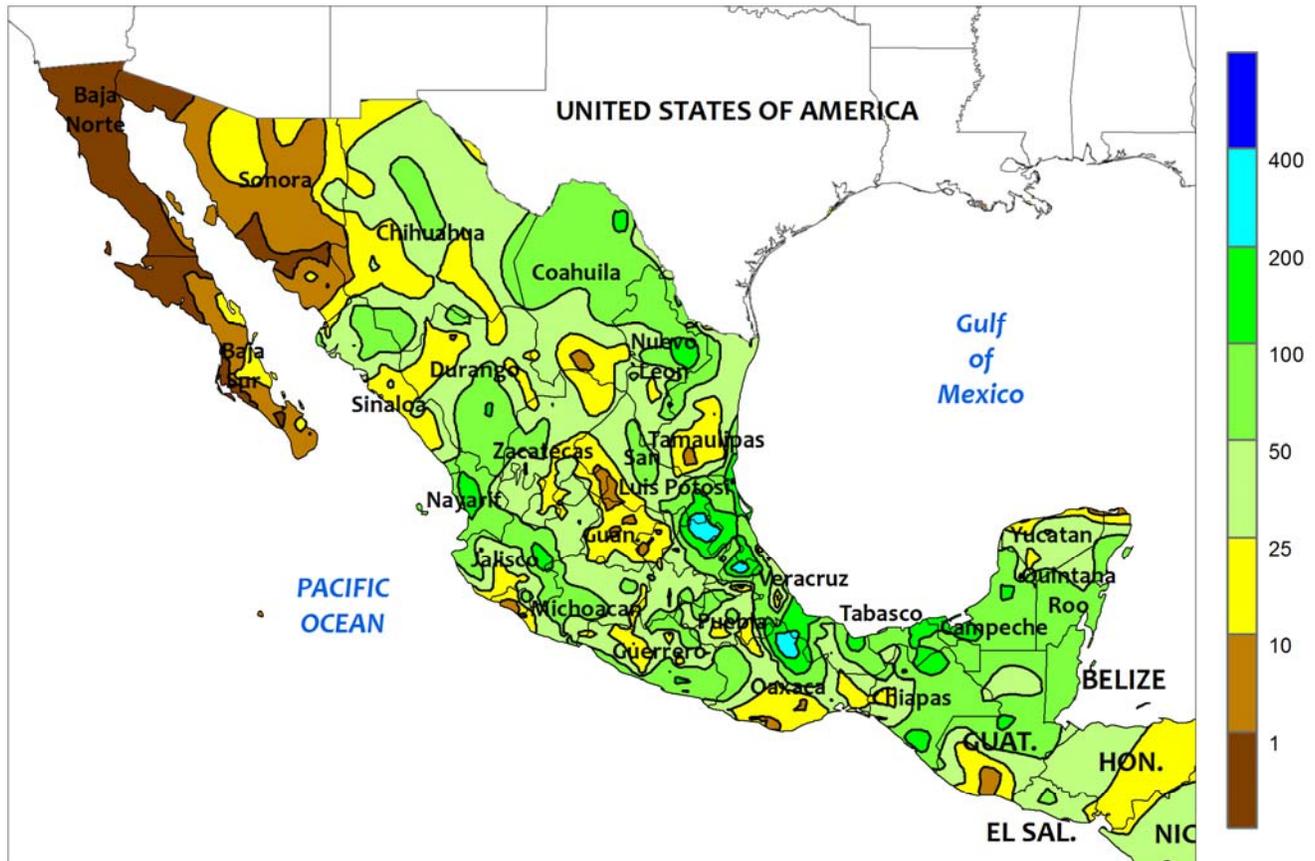


BRAZIL

Mostly dry weather spurred seasonal fieldwork — including the early stages of soybean planting — in key southern and central farming, areas. Little to no rain fell from Rio Grande do Sul to central Mato Grosso, areas that had recently benefited from an increase in seasonal rainfall. In the south, the dryness was timely for late-season development of wheat, as well as planting of soybeans and main-season corn. According to the government of Parana, wheat was 14 percent harvested as of September 26; first-crop corn and soybeans were 50 and 14 percent planted, respectively. The dryness also favored the late stages of

sugarcane and coffee harvesting in Sao Paulo and Minas Gerais, though seasonal rainfall is now needed for growth of the current year's crops. In Mato Grosso, additional moisture is needed for germination and establishment of soybeans and first-crop corn. According to reports emanating from Brazil, soybean planting was underway in Mato Grosso. Meanwhile, rain (10-50 mm, locally higher), continued from the northeastern interior (in and around Tocantins) southeastward through eastern Minas Gerais, helping to condition fields for summer crop planting and possibly encouraging early fieldwork.

MEXICO
 Total Precipitation (mm)
 SEP 25 - OCT 1, 2016



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

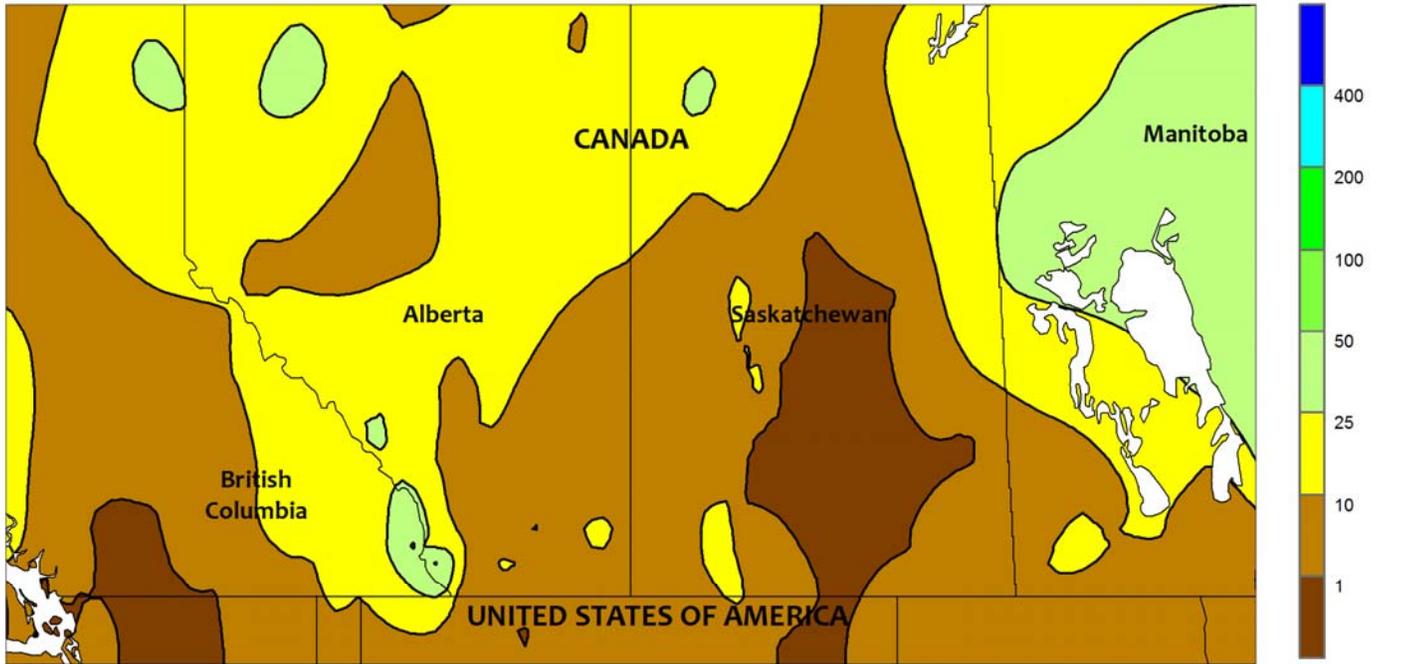


MEXICO

Widespread showers maintained favorable levels of moisture for immature summer crops, while providing a late-season boost to reservoirs. The heaviest rainfall (100 to locally more than 200 mm) was recorded in and around Veracruz, increasing moisture for sugarcane and other still-developing summer crops. Somewhat lighter rainfall (25-100 mm) was recorded elsewhere in the southeast, including the Yucatan Peninsula. Lighter rain (10-50 mm) fell across the southern plateau and along the southern Pacific Coast, maintaining generally favorable levels of moisture for corn and other

summer crops. The rainy season typically ends during October and additional moisture would be welcome for late summer crop development, especially in western sections of the southern plateau corn belt (notably Jalisco) where planting had reportedly been delayed by a late start to the rainy season. In northern Mexico, unseasonably heavy rain (greater than 50 mm) increased reservoir levels from Chihuahua to northwestern Tamaulipas. Monsoon showers (10-50 mm) extended northward through Sinaloa but diminished over Sonora.

CANADIAN PRAIRIES Total Precipitation (mm) SEP 25 - OCT 1, 2016



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

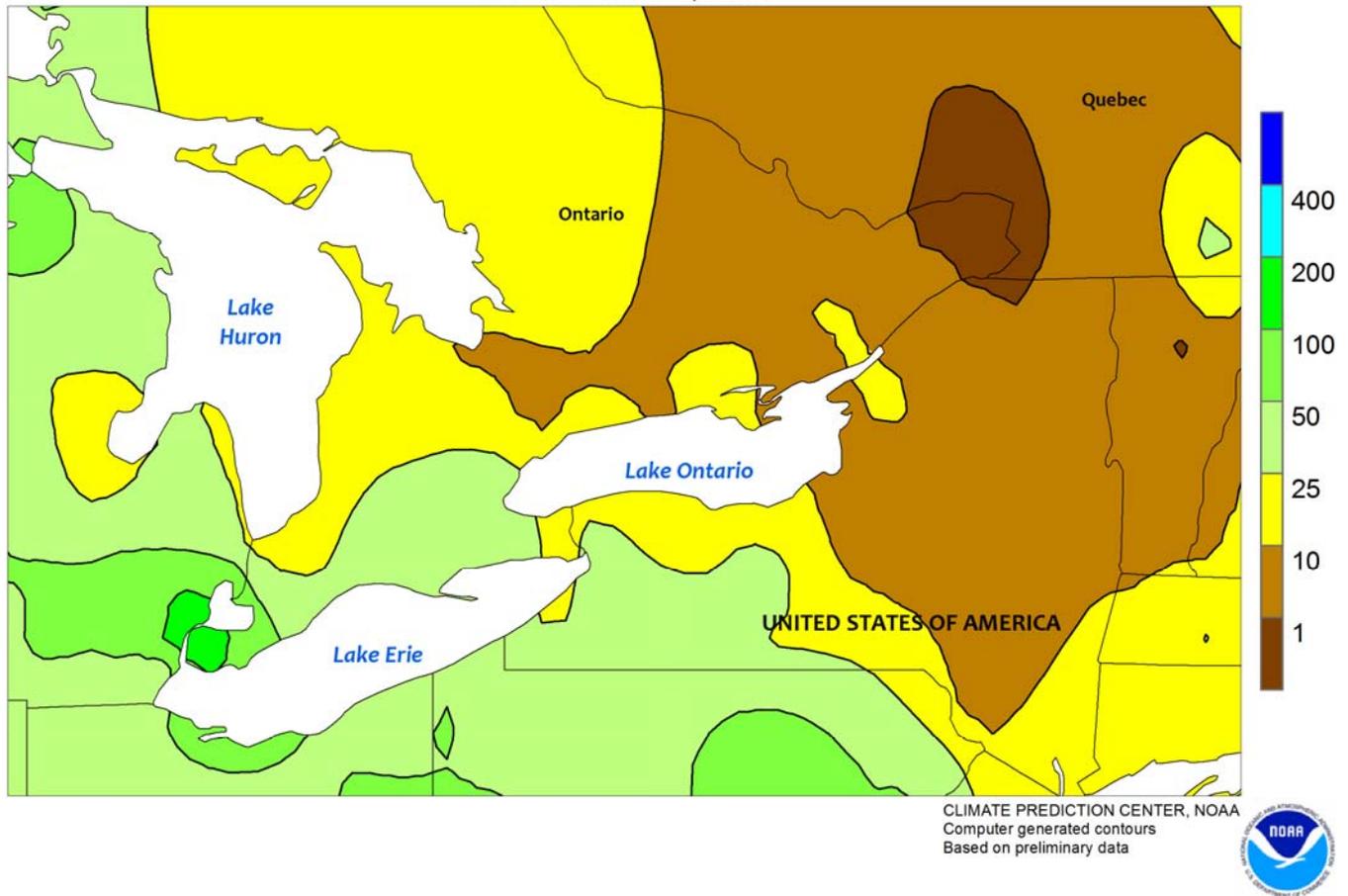


CANADIAN PRAIRIES

Following last week's heavy rain, drier weather returned to much of the region, helping to improve conditions for harvesting. Most agricultural districts in Manitoba, Saskatchewan, and southeastern Alberta received less than 10 mm of rainfall; moderate rain (greater than 10 mm) continued in Alberta's northern farming areas, including the Peace River Valley. According to the government of Saskatchewan, crops

were 70 percent harvested as of September 26, falling behind the 5-year average pace by 9 points due to the impact of last week's rainfall. Weekly temperatures averaging up to 3°C above normal aided the drying process in the central and eastern Prairies. Temperatures were also near to above normal in Alberta, with daytime highs reaching the middle 20s (degrees C) across southern sections of Alberta and Saskatchewan.

SOUTHEASTERN CANADA
Total Precipitation (mm)
SEP 25 - OCT 1, 2016



SOUTHEASTERN CANADA

Showers boosted topsoil moisture for winter wheat germination in Ontario's southwestern farming areas, following last week's dryness. Rainfall totaled 10 to 50 mm over most of the inter-lake region, with mostly dry weather dominating Ontario's eastern farming areas, as well as Quebec.

Weekly temperatures averaged 2°C above normal, with daytime highs typically ranging in the upper 10s and lower 20s (degrees C). Nighttime lows fell below freezing in agricultural districts of Quebec and in Ontario's eastern farming areas, aiding drydown of mature summer crops.

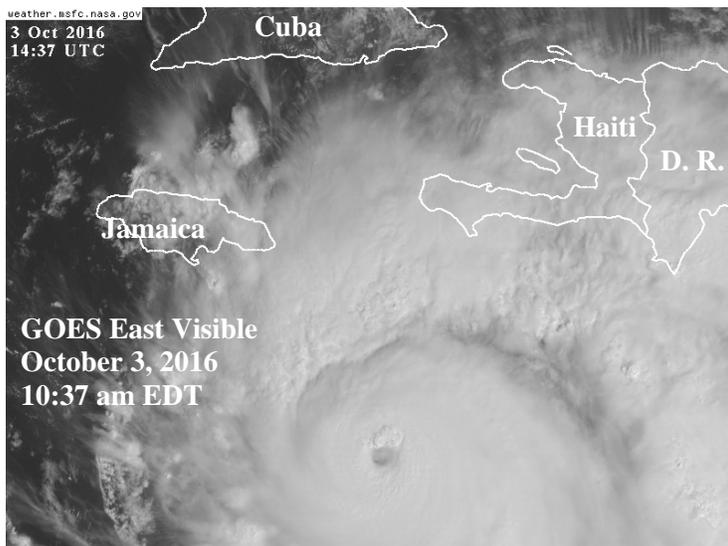
2016 Small Grains Summary

The following information was released by USDA's Agricultural Statistics Board on September 30, 2016.

All wheat production totaled 2.31 billion bushels in 2016, up 12 percent from the revised 2015 total of 2.06 billion bushels. Area harvested for grain totaled 43.9 million acres, down 7 percent from the previous year. The U.S. yield is estimated at 52.6 bushels per acre, up 9 bushels from the previous year and represents a new record high. The levels of production and changes from 2015 by type are: winter wheat, 1.67 billion bushels, up 22 percent; other spring wheat, 534 million bushels, down 11 percent; and Durum wheat, 104 million bushels, up 24 percent.

Oat production is estimated at 64.8 million bushels, down 28 percent from 2015. Yield is estimated at 66.0 bushels per acre, down 4.2 bushels from the previous year. Harvested area, at 981,000 acres, is 23 percent below last year.

Barley production is estimated at 199 million bushels, down 9 percent from the revised 2015 total of 218 million bushels. Average yield per acre, at 77.9 bushels, is up 8.8 bushels from the previous year and is the highest yield on record since estimates began in 1866. Producers seeded 3.05 million acres in 2016, down 16 percent from last year. Harvested area, at 2.56 million acres, is down 19 percent from 2015.



Matthew, the strongest Atlantic Basin hurricane since Felix in 2007, formed on September 28 from a tropical wave passing through the Lesser Antilles. The following day, while located less than 200 miles northeast of Curacao, Matthew became the fifth Atlantic Basin hurricane of 2016.

As September drew to a close, Matthew's sustained winds reached 160 mph—a Category 5 storm on the Saffir-Simpson scale. Despite subsequent variations in intensity, Matthew remained a formidable Category 4 hurricane on the morning of October 3 (see image at left) with sustained winds of 140 mph. More details on Matthew will appear next week.

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