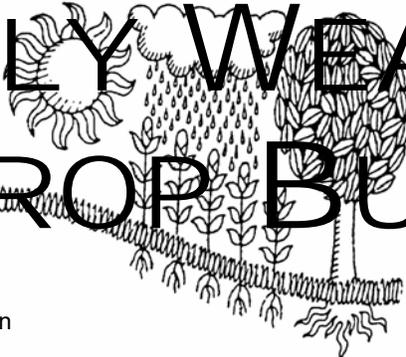
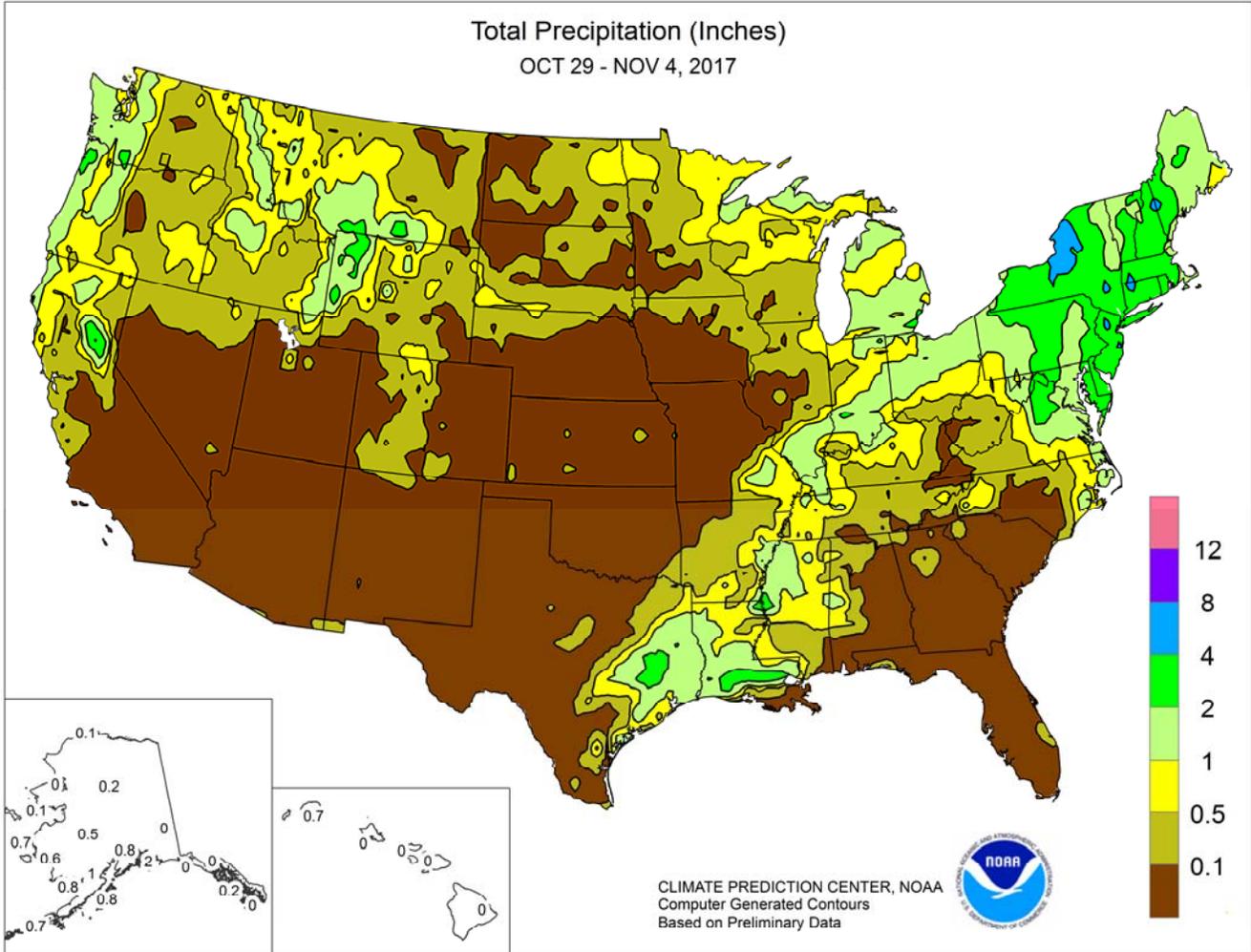


# WEEKLY WEATHER AND CROP BULLETIN



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

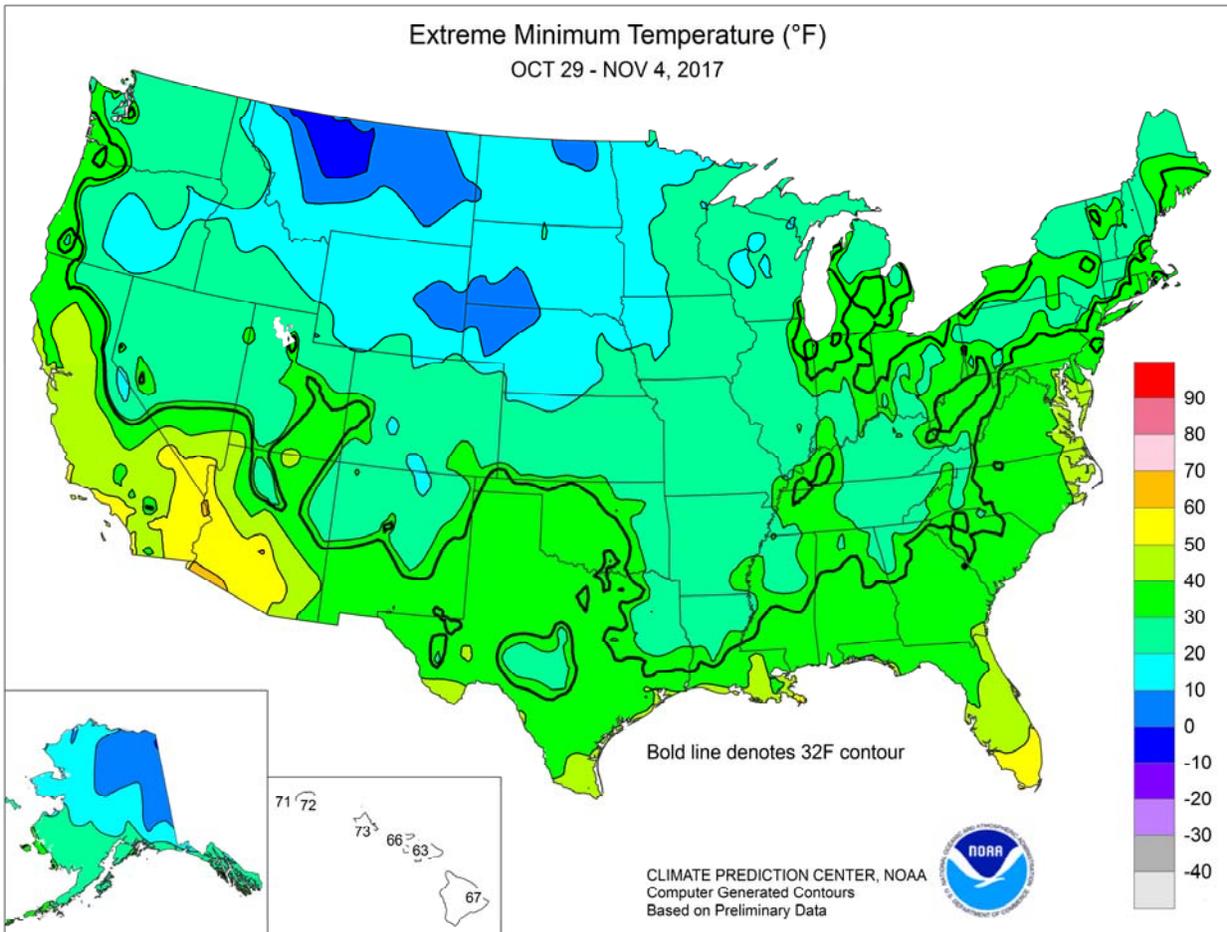
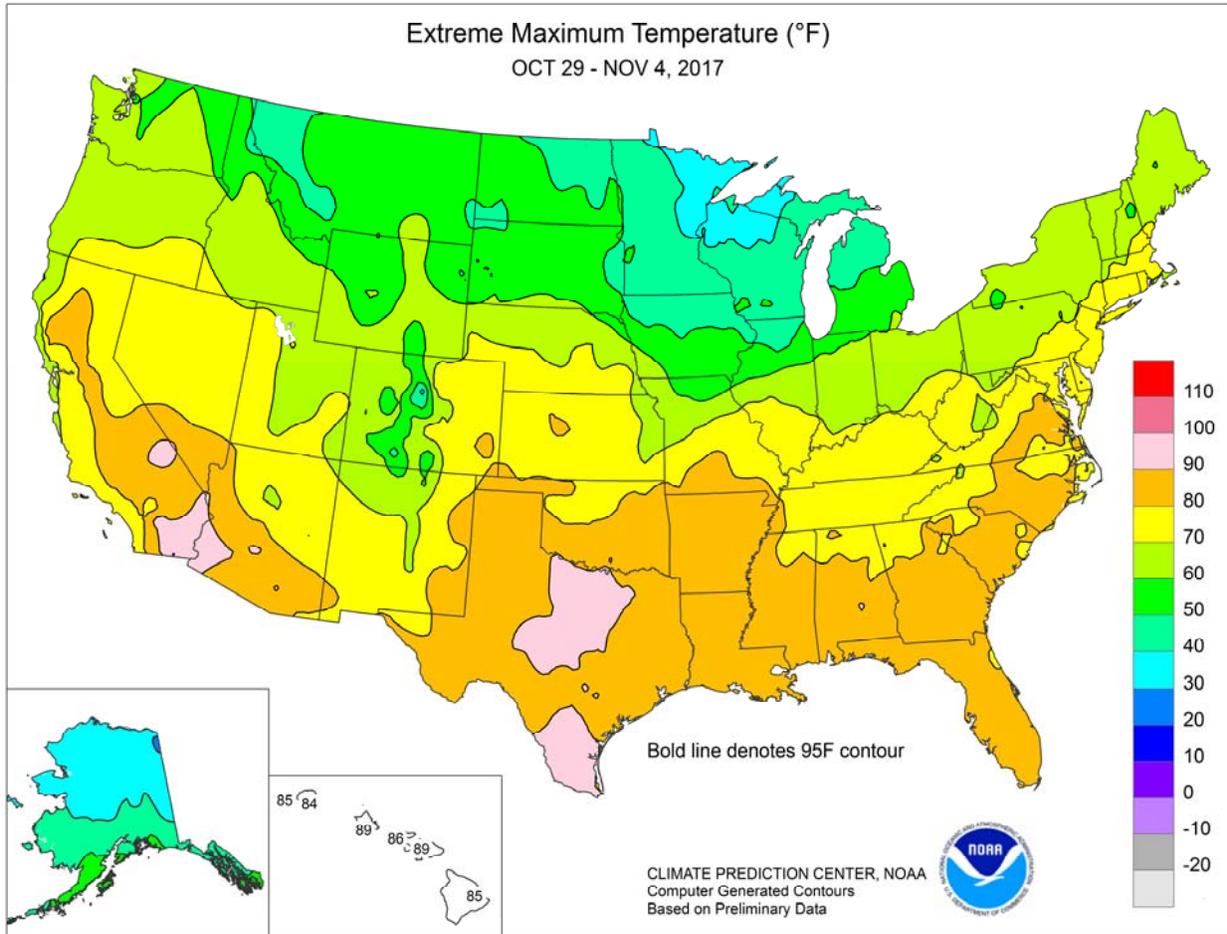
### October 29 – November 4, 2017

*Highlights provided by USDA/WAOB*

**H**eavy **Northeastern** rain eradicated short-term drought, as weekly rainfall totaled 2 to 4 inches or more in the **northern Mid-Atlantic States** and parts of **New England**. Farther west, cool, damp weather limited **Midwestern** fieldwork. Snow blanketed the **far upper Midwest**, while periods of rain occurred from the **Ohio Valley** into the **lower Great Lakes region**. In contrast, dry weather dominated the **central and southern Plains** and the **lower Southeast**, favoring summer crop harvesting and other fieldwork. Dry weather also prevailed in the **Southwest**,

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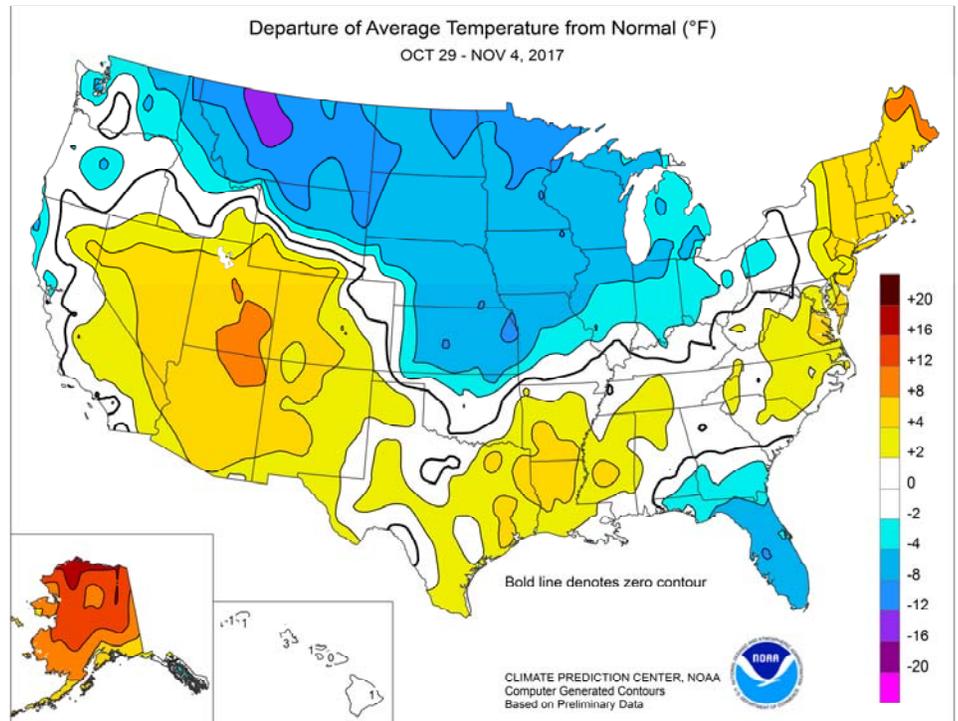


(Continued from front cover)

accompanied by temperatures that averaged as much as 5 to 10°F above normal. Similar readings, 5 to 10°F above normal, were noted in **New England**. Across the **South**, a warming trend followed early-week freezes that ended the growing season in many areas north of a line from **central Texas to the southern Appalachians**. Elsewhere, cold, increasingly stormy weather engulfed the **northern Plains** and the **Northwest**. In fact, weekly temperatures averaged 5 to 15°F below normal across the **northern and central Plains** and the **upper Midwest**. Meanwhile, the **Northern** precipitation—including widespread snow—boosted soil moisture in areas still experiencing drought, but curtailed fieldwork and winter wheat emergence and establishment.

Early in the week, freezes reached deep into the **South**. Daily-record lows for October 29 included 21°F in **Vichy-Rolla, MO**, and 28°F in **Alexandria, LA**; **Greenwood, MS**; and **Little Rock, AR**. In **Texas**, lows for October 29 dipped to daily-record levels in **San Angelo** (30°F), **Austin** (32°F), and **Victoria** (32°F). The following day, record-setting lows for October 30 fell to 26°F in **Crossville, TN**, and **Bluefield, WV**. Meanwhile, warmth lingered in the **Far West**. With a high of 80°F on October 29, **Reno, NV**, registered its latest-ever reading of 80°F or higher. **Reno's** previous record was set with a high of 82°F on October 28, 1937. In **Washington**, daily-record highs were set in locations such as **Yakima** (70°F on October 29) and **Hoquiam** (66°F on October 30). In early November, however, warmth returned to the **south-central U.S.** In fact, the warmest November day on record occurred on the 2nd in **Texas** locations such as **Dallas-Fort Worth** (94°F) and **Wichita Falls** (90°F). Neither location had ever attained a 90-degree reading in November; monthly record highs had been 89°F in **Dallas-Fort Worth**, achieved most recently on November 5, 2005, and 89°F in **Wichita Falls**, set on November 9, 1988. With a high of 92°F on November 2, **Waco, TX**, tied a monthly record previously set on November 4, 1948, and November 7, 1988. On November 3, daily-record highs soared to 88°F in **Shreveport, LA**, and 87°F in **Augusta, GA**. **Wichita Falls** again reached 90°F on November 4, while **San Angelo, TX**, closed the week with a trio of daily-record highs (92, 88, and 91°F) from November 2-4. In stark contrast, **Great Falls, MT**, notched a daily-record low of -9°F on November 4.

Prior to that frigid reading, **Great Falls, MT**, had received 11.1 inches of snow from November 1-3. Much (7.4 inches) of **Great Falls'** snow fell on the 1st, representing the snowiest 24-hour November period in that location since November 8-9, 2012, when 14.0 inches accumulated. Elsewhere in **Montana**, snowfall during the first 4 days of November totaled 12.5 inches in **Bozeman**; 8.6 inches in **Billings**; and 6.5 inches in **Helena**. Snow also spread eastward across the **nation's northern tier**, resulting in daily-record totals in locations such as **St. Cloud, MN** (4.0 inches on November 3), and **Rhineland, WI** (4.3 inches on November 4). On November 4, **International Falls,**



**MN**, reported a daily-record precipitation total of 0.60 inch, in the form of 6.0 inches of snow. Meanwhile, selected daily-record precipitation totals in the **Northwest** included 0.56 inch (on November 3) in **Klamath Falls, OR**, and 0.46 inch (on November 4) in **Laramie, WY**. Farther east, the week had opened with a powerful storm lashing the **Northeast**. Record-setting rainfall totals for October 29 included 4.02 inches in **Islip, NY**; 3.86 inches in **Newark, NJ**; 3.33 inches in **Williamsport, PA**; 3.00 inches in **Bridgeport, CT**; and 2.51 inches in **Worcester, MA**. Early on October 30, official wind gusts were clocked to 69 mph in **Portland, ME**; 66 mph in **Bangor, ME**; and 63 mph at the **Blue Hill Observatory** near **Milton, MA**. Near the **Maine coast**, a wind gust to 92 mph was recorded on the 30th on **Matinicus Rock**. Following back-to-back storms in the **Northeast**, October 24-30 rainfall totals climbed to 8.11 inches in **Worcester, MA**; 7.86 inches in **Hartford, CT**; 7.03 inches in **Concord, NH**; and 6.63 inches in **Augusta, ME**. Farther south, briefly heavy showers in the **western and central Gulf Coast regions** led to a daily-record rainfall amount (5.58 inches) for November 1 in **Lafayette, LA**.

Unusually mild weather covered **Alaska**, with weekly temperatures averaging 10 to 20°F above normal across much of the mainland. Daily-record highs were set in several location, including **Kodiak** (57°F on November 3) and **King Salmon** (55 and 53°F, respectively, on October 29 and 30). From October 31 – November 2, **Barrow** posted three consecutive daily-record highs (34, 32, and 36°F). Widespread precipitation accompanied the mild weather, especially early in the week. Daily-record precipitation totals included 0.69 inch (on October 29) in **King Salmon** and 0.35 inch (on October 30) in **McGrath**. Farther south, warm, mostly dry weather prevailed in **Hawaii**. On the **Big Island**, **Hilo's** October rainfall totaled 17.19 inches, 176 percent of normal. However, **Hilo** received just 0.14 inch during the 10-day period from October 26 – November 4. Similarly, no measurable rain fell in **Kahului, Maui**, from October 27 – November 4.

National Weather Data for Selected Cities

Weather Data for the Week Ending November 4, 2017

Data Provided by Climate Prediction Center

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	71	51	81	35	61	3	0.02	-0.81	0.02	8.06	104	63.61	140	93	50	0	0	1	0	
AL HUNTSVILLE	69	50	81	33	60	4	0.01	-0.88	0.01	8.03	96	48.21	102	96	70	0	0	1	0	
AL MOBILE	77	53	83	38	65	2	0.00	-0.88	0.00	14.75	151	77.21	136	91	49	0	0	0	0	
AK MONTGOMERY	78	50	100	35	64	3	0.02	-0.61	0.02	7.93	110	66.54	146	86	40	1	0	1	0	
AK ANCHORAGE	39	31	49	25	35	8	1.11	0.78	0.79	5.59	109	17.52	124	96	91	0	4	3	1	
AK BARROW	33	21	39	16	27	20	0.14	0.09	0.08	1.65	149	8.50	218	95	79	0	7	5	0	
AK FAIRBANKS	33	22	35	16	27	15	0.25	0.08	0.25	3.59	169	12.44	138	99	94	0	7	1	0	
AK JUNEAU	42	30	47	23	36	-2	0.19	-1.38	0.17	17.73	106	59.26	123	99	88	0	5	2	0	
AK KODIAK	52	37	57	29	45	8	0.82	-0.84	0.79	12.35	72	52.98	85	81	64	0	1	2	1	
AK NOME	36	24	38	11	30	7	0.15	-0.15	0.07	5.95	140	14.64	101	99	96	0	7	4	0	
AZ FLAGSTAFF	60	35	69	27	48	6	0.00	-0.41	0.00	0.42	10	18.00	92	83	33	0	2	0	0	
AZ PHOENIX	84	64	91	60	74	6	0.00	-0.17	0.00	0.00	0	4.71	70	49	38	1	0	0	0	
AZ PRESCOTT	69	43	78	39	56	6	0.00	-0.25	0.00	0.52	15	12.37	74	73	25	0	0	0	0	
AZ TUCSON	84	58	91	55	71	6	0.00	-0.19	0.00	0.03	1	10.17	96	43	26	1	0	0	0	
AR FORT SMITH	74	46	87	30	60	3	0.02	-0.98	0.02	3.32	41	45.42	125	91	47	0	1	1	0	
AR LITTLE ROCK	72	48	85	28	60	2	0.21	-0.92	0.13	1.89	22	39.18	95	98	54	0	1	3	0	
CA BAKERSFIELD	75	53	86	50	64	2	0.00	-0.09	0.00	0.52	102	5.31	102	65	48	0	0	0	0	
CA FRESNO	71	52	83	48	62	3	0.00	-0.20	0.00	0.25	24	12.89	145	81	61	0	0	0	0	
CA LOS ANGELES	69	61	71	57	65	0	0.10	-0.04	0.08	0.18	25	12.25	119	82	70	0	0	2	0	
CA REDDING	71	47	86	42	59	2	0.12	-0.65	0.10	1.06	34	29.45	116	80	51	0	0	2	0	
CA SACRAMENTO	68	49	81	44	59	0	0.12	-0.23	0.12	0.27	18	23.90	177	96	50	0	0	1	0	
CA SAN DIEGO	69	62	71	58	66	1	0.00	-0.18	0.00	0.08	11	7.83	92	75	66	0	0	0	0	
CA SAN FRANCISCO	65	53	68	50	59	1	0.48	0.06	0.45	0.91	61	22.88	153	81	71	0	0	2	0	
CA STOCKTON	71	49	81	43	60	1	0.01	-0.29	0.01	0.13	10	15.76	151	88	63	0	0	1	0	
CO ALAMOSA	62	25	65	17	43	7	0.01	-0.11	0.01	1.81	112	10.50	162	78	36	0	6	1	0	
CO CO SPRINGS	60	34	72	27	47	4	0.06	-0.13	0.04	3.01	137	18.29	110	81	32	0	2	2	0	
CO DENVER INTL	61	30	73	24	46	2	0.02	-0.15	0.02	2.22	111	11.19	87	77	40	0	5	1	0	
CO GRAND JUNCTION	65	38	69	33	52	6	0.00	-0.19	0.00	1.02	50	5.04	64	59	36	0	0	0	0	
CO PUEBLO	66	33	79	26	49	3	0.01	-0.16	0.01	1.41	90	15.67	136	75	54	0	3	1	0	
CT BRIDGEPORT	64	48	72	39	56	6	3.02	2.19	3.00	9.10	120	37.69	100	83	59	0	0	2	1	
CT HARTFORD	64	43	77	30	53	6	2.78	1.85	2.63	11.07	129	42.18	108	91	63	0	1	4	1	
DC WASHINGTON	67	48	78	44	58	4	1.64	0.97	0.98	4.11	56	33.75	100	88	56	0	0	3	2	
DE WILMINGTON	66	45	76	38	55	4	2.27	1.64	1.93	5.23	70	37.35	102	97	57	0	0	3	1	
DE DAYTONA BEACH	76	55	81	44	66	-5	0.00	-0.81	0.00	17.49	151	47.16	107	100	52	0	0	0	0	
FL JACKSONVILLE	79	50	85	43	65	-1	0.00	-0.54	0.00	17.12	142	64.85	136	91	39	0	0	0	0	
FL KEY WEST	80	69	83	60	75	-4	0.01	-0.81	0.01	13.59	133	33.83	98	85	60	0	0	1	0	
FL MIAMI	81	66	86	59	74	-3	0.18	-0.95	0.12	27.65	182	78.12	146	79	49	0	0	3	0	
FL ORLANDO	77	56	83	47	66	-6	0.00	-0.45	0.00	17.72	203	51.18	116	94	56	0	0	0	0	
FL PENSACOLA	77	56	83	41	66	1	0.00	-0.96	0.00	10.81	104	85.65	152	81	49	0	0	0	0	
FL TALLAHASSEE	76	45	84	35	61	-4	0.00	-0.78	0.00	7.44	85	52.72	95	95	40	0	0	0	0	
FL TAMPA	79	58	86	49	69	-4	0.03	-0.22	0.03	13.07	146	46.64	114	81	39	0	0	1	0	
FL WEST PALM BEACH	78	62	84	52	70	-6	0.91	-0.34	0.84	23.09	162	57.98	109	84	55	0	0	2	1	
GA ATHENS	71	44	82	32	58	1	0.00	-0.81	0.00	9.91	133	51.89	127	98	59	0	1	0	0	
GA ATLANTA	70	48	80	32	59	1	0.04	-0.71	0.04	8.17	107	47.11	110	91	61	0	1	1	0	
GA AUGUSTA	79	44	87	30	61	2	0.09	-0.60	0.09	5.21	73	39.57	101	91	38	0	1	1	0	
GA COLUMBUS	74	48	83	37	61	0	0.00	-0.64	0.00	7.81	135	46.82	115	89	40	0	0	0	0	
GA MACON	74	44	84	32	59	0	0.00	-0.57	0.00	6.84	115	44.38	116	97	40	0	1	0	0	
GA SAVANNAH	77	47	84	36	62	-1	0.00	-0.63	0.00	9.42	110	51.78	116	94	42	0	0	0	0	
HI HILO	84	68	85	67	76	1	0.02	-2.98	0.02	21.17	103	75.24	74	89	77	0	0	1	0	
HI HONOLULU	87	77	89	73	82	3	0.08	-0.44	0.08	2.91	90	18.78	139	73	66	0	0	1	0	
HI KAHULUI	87	67	89	63	77	0	0.00	-0.36	0.00	1.19	72	16.45	119	95	84	0	0	0	0	
HI LIHUE	83	74	84	72	79	2	0.71	-0.35	0.54	3.86	51	21.73	71	89	52	0	0	4	1	
ID BOISE	57	38	65	29	48	1	0.34	0.12	0.23	1.46	88	12.89	135	77	47	0	1	2	0	
ID LEWISTON	52	35	57	27	44	-2	0.25	0.00	0.19	1.98	104	12.38	117	84	69	0	1	3	0	
ID POCATELLO	56	34	68	21	45	3	0.17	-0.05	0.17	3.63	182	15.19	145	69	45	0	4	1	0	
IL CHICAGO/O'HARE	47	38	51	33	42	-4	0.73	0.06	0.48	9.75	153	41.50	133	78	63	0	0	3	0	
IL MOLINE	48	35	52	23	42	-5	0.12	-0.54	0.10	8.46	133	34.99	104	79	60	0	2	2	0	
IL PEORIA	51	37	58	25	44	-3	0.08	-0.53	0.04	5.91	95	31.64	102	90	60	0	2	3	0	
IL ROCKFORD	46	35	49	29	40	-5	0.31	-0.27	0.24	6.69	105	43.48	135	83	64	0	2	2	0	
IL SPRINGFIELD	57	37	70	23	47	-3	0.03	-0.58	0.01	5.28	91	30.52	100	93	54	0	2	3	0	
IN EVANSVILLE	60	44	71	31	52	0	0.36	-0.40	0.30	7.31	118	39.04	106	85	70	0	2	4	0	
IN FORT WAYNE	52	37	65	30	45	-2	0.36	-0.27	0.20	4.27	74	43.55	140	87	63	0	2	4	0	
IN INDIANAPOLIS	54	38	66	29	46	-3	1.16	0.44	0.82	4.69	77	43.44	125	91	69	0	3	3	1	
IN SOUTH BEND	46	38	54	30	42	-5	0.34	-0.40	0.22	10.23	137	37.82	112	86	73	0	1	4	0	
IA BURLINGTON	49	35	53	24	42	-7	0.10	-0.51	0.10	5.46	80	30.79	92	93	57	0	2	1	0	
IA CEDAR RAPIDS	46	32	53	21	39	-6	0.07	-0.43	0.04	4.91	85	24.93	83	94	58	0	3	3	0	
IA DES MOINES	49	32	56	23	41	-5	0.02	-0.55	0.02	7.36	121	29.59	94	73	56	0	3	1	0	
IA DUBUQUE	44	32	49	23	38	-6	0.23	-0.34	0.17	7.43	116	34.85	110	85	68	0	4	3	0	
IA SIOUX CITY	47	29	52	18	38	-6	0.02	-0.38	0.02	9.01	195	30.20	125	80	61	0	6	1	0	
IA WATERLOO	44	29	49	21	36	-8	0.10	-0.45	0.07	6.38	111	29.06	96	84	64	0	6	3	0	
KS CONCORDIA	53	31	76	23	42	-7	0.02	-0.34	0.02	8.76	193	36.19	138	81	59	0	4	1	0	
KS DODGE CITY	59	31	79	27	45	-5	0.00	-0.29	0.00	1.91	58	26.87	130	84	43	0	4	0	0	
KS GOODLAND	58	30	78	24	44	-1	0.00	-0.24	0.00	4.30	187	26.26	141	87	64	0	5	0	0	
KS TOPEKA	53	34	70	25	43	-7	0.07	-0.54	0.07	4.75	67	38.22	118	88	64	0	4	1	0	

Based on 1971-2000 normals

\*\*\* Not Available

Weather Data for the Week Ending November 4, 2017

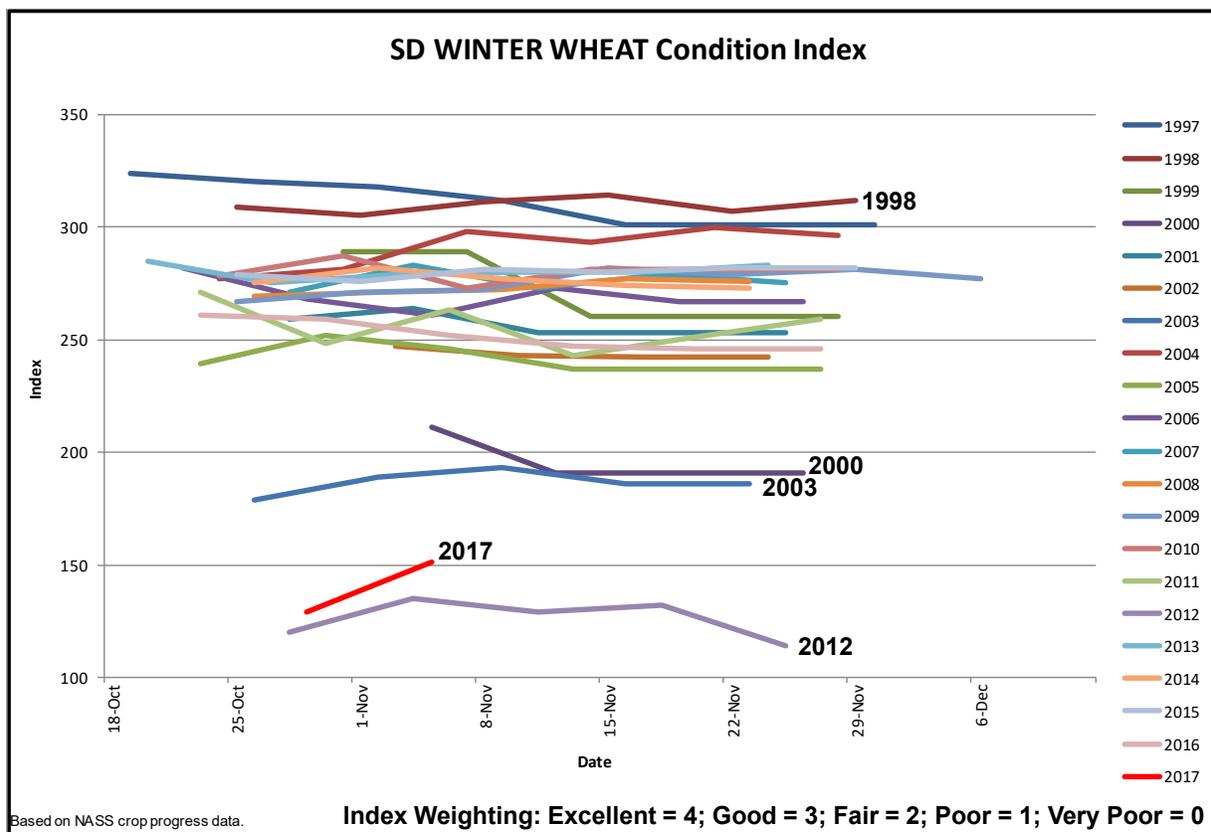
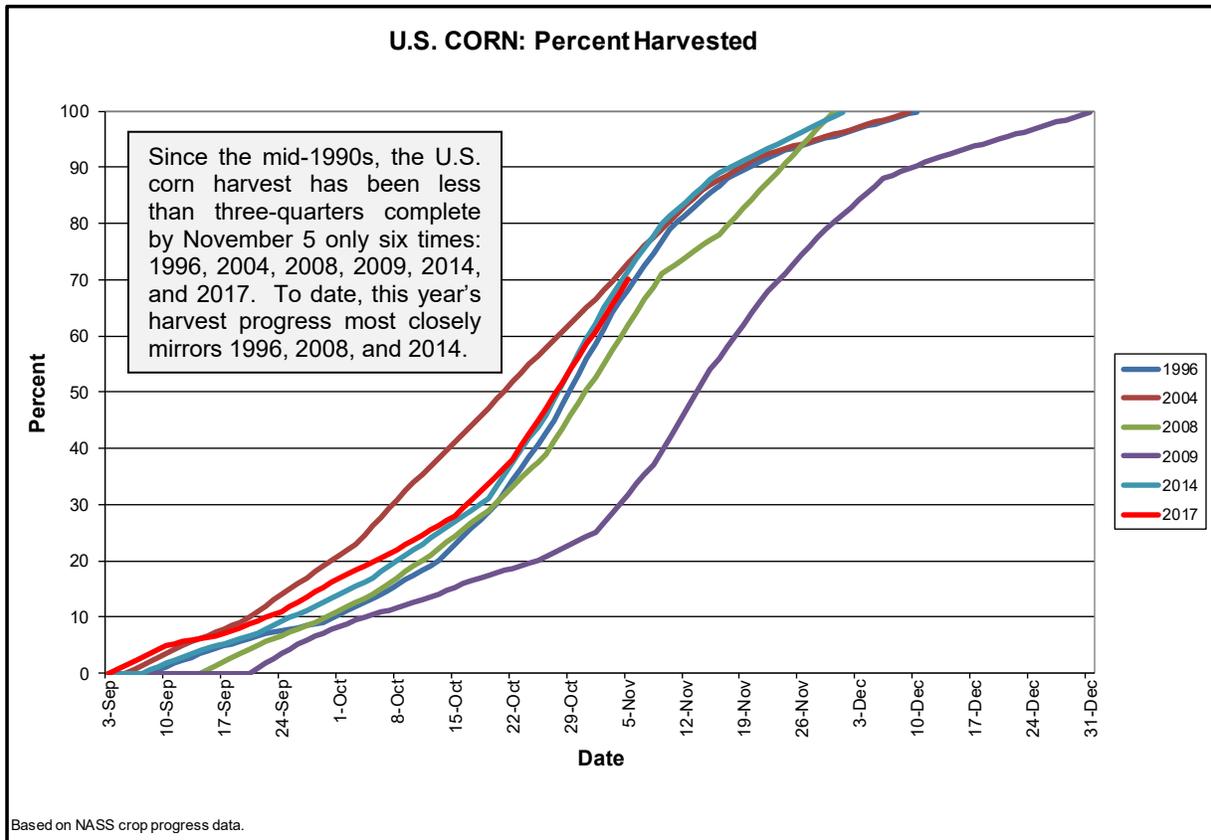
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	56	37	72	29	47	-5	0.00	-0.48	0.00	5.89	104	33.24	121	85	65	0	2	0	0
JACKSON	61	44	73	29	53	0	0.12	-0.65	0.08	8.71	118	47.02	114	88	57	0	1	2	0
LEXINGTON	60	43	74	30	52	1	0.92	0.29	0.52	10.43	169	45.95	118	85	73	0	2	4	1
LOUISVILLE	61	44	73	31	52	-1	1.02	0.32	0.85	11.39	182	40.77	109	87	63	0	2	2	1
PADUCAH	65	46	78	30	55	2	1.06	0.24	0.69	7.58	101	40.70	100	85	65	0	1	3	1
LA BATON ROUGE	77	55	85	36	66	2	1.76	0.83	1.76	5.46	59	60.86	114	96	51	0	0	1	1
LAKE CHARLES	78	59	84	36	69	4	1.69	0.80	1.57	6.47	62	69.71	144	97	60	0	0	2	1
NEW ORLEANS	78	57	84	39	67	1	0.00	-0.82	0.00	3.57	39	67.23	123	97	63	0	0	0	0
SHREVEPORT	78	56	88	29	67	5	1.04	-0.02	0.71	1.84	22	31.94	75	93	49	0	1	2	1
ME CARIBOU	55	38	63	26	46	8	0.83	0.14	0.43	9.77	147	35.62	113	83	61	0	1	3	0
PORTLAND	60	44	70	30	52	9	1.32	0.23	0.66	7.37	88	38.06	101	88	55	0	1	2	2
MD BALTIMORE	65	45	77	37	55	5	1.96	1.30	1.37	5.47	73	35.71	100	90	67	0	0	3	2
MA BOSTON	62	48	75	41	55	5	1.95	1.04	1.21	7.76	100	39.04	110	85	55	0	0	3	2
WORCESTER	60	43	71	36	51	6	3.34	2.27	2.76	11.34	119	40.56	98	87	53	0	0	2	2
MI ALPENA	46	31	48	27	39	-2	0.48	-0.02	0.24	8.73	161	36.72	148	96	63	0	5	4	0
GRAND RAPIDS	47	35	53	32	41	-4	0.97	0.34	0.36	11.08	149	35.40	113	99	71	0	1	6	0
HOUGHTON LAKE	44	32	46	26	38	-3	0.26	-0.24	0.11	7.71	136	34.32	138	91	72	0	3	5	0
LANSING	46	35	51	32	41	-3	1.37	0.84	0.70	10.90	179	36.60	136	86	67	0	1	5	1
MUSKOGON	47	38	52	36	43	-2	0.52	-0.17	0.23	10.22	152	31.38	115	83	66	0	0	5	0
TRAVERSE CITY	45	35	48	32	40	-4	0.55	-0.08	0.20	9.62	140	34.01	119	89	64	0	1	5	0
MN DULUTH	32	25	35	21	29	-8	0.95	0.45	0.39	7.91	115	35.68	126	95	83	0	7	4	0
INT'L FALLS	32	23	37	15	27	-8	0.92	0.55	0.53	5.58	107	22.33	101	89	76	0	7	6	1
MINNEAPOLIS	39	30	44	26	34	-8	0.15	-0.36	0.05	5.68	111	31.32	117	84	69	0	5	4	0
ROCHESTER	39	27	43	22	33	-7	0.34	-0.16	0.13	7.56	135	35.04	122	89	72	0	5	5	0
ST. CLOUD	36	26	44	21	31	-7	0.45	-0.03	0.34	8.32	153	29.86	119	95	68	0	7	5	0
MS JACKSON	77	55	86	33	66	7	0.52	-0.42	0.34	3.77	52	57.67	125	89	50	0	0	3	0
MERIDIAN	76	51	87	32	63	3	0.69	-0.16	0.57	4.19	56	57.07	117	95	62	0	1	3	1
TUPELO	71	50	80	32	60	3	0.90	0.05	0.79	4.62	64	40.67	90	88	59	0	1	3	1
MO COLUMBIA	57	37	75	24	47	-3	0.00	-0.76	0.00	5.68	81	37.08	107	91	56	0	2	0	0
KANSAS CITY	51	34	62	25	43	-8	0.01	-0.55	0.01	7.69	93	45.57	133	86	57	0	3	1	0
SAINT LOUIS	58	41	79	30	50	-2	0.02	-0.69	0.01	4.00	65	34.29	105	87	64	0	2	2	0
SPRINGFIELD	62	41	82	23	52	-1	0.00	-0.82	0.00	1.64	19	44.21	117	91	69	0	2	0	0
MT BILLINGS	39	26	58	21	33	-9	1.08	0.87	0.45	4.10	151	15.64	116	93	69	0	7	6	0
BUTTE	38	19	48	9	28	-7	0.30	0.16	0.16	2.24	114	11.01	94	92	51	0	7	4	0
CUT BANK	32	14	52	-8	23	-14	0.08	0.00	0.06	0.79	46	8.19	69	94	61	0	7	2	0
GLASGOW	36	22	55	4	29	-9	0.12	0.01	0.07	2.05	117	5.77	55	82	67	0	7	4	0
GREAT FALLS	33	17	52	-9	25	-15	1.11	0.94	0.75	3.79	168	13.44	98	92	61	0	7	5	1
HAVRE	37	21	53	-1	29	-9	0.30	0.22	0.13	1.89	111	5.48	52	84	69	0	7	5	0
MISSOULA	41	25	49	18	33	-6	0.48	0.30	0.28	2.21	109	12.50	106	90	64	0	6	3	0
NE GRAND ISLAND	50	28	74	19	39	-6	0.08	-0.25	0.08	8.04	195	29.63	123	82	63	0	6	1	0
LINCOLN	53	32	73	26	42	-5	0.01	-0.38	0.01	6.76	133	36.59	140	78	50	0	5	1	0
NORFOLK	49	28	68	22	38	-6	0.00	-0.36	0.00	5.61	135	27.38	111	83	55	0	7	0	0
NORTH PLATTE	52	25	73	14	38	-4	0.06	-0.18	0.06	7.86	292	27.41	147	89	53	0	6	1	0
OMAHA	52	32	68	23	42	-5	0.00	-0.44	0.00	6.72	119	25.89	93	71	53	0	5	0	0
SCOTTSBLUFF	55	27	71	14	41	0	0.17	-0.02	0.10	2.42	103	14.46	96	84	50	0	5	4	0
VALENTINE	49	26	64	9	37	-4	0.37	0.17	0.21	4.29	146	19.30	104	79	57	0	6	3	0
NV ELY	62	30	74	22	46	6	0.00	-0.19	0.00	1.76	86	9.15	102	68	38	0	5	0	0
LAS VEGAS	79	61	84	56	70	8	0.00	-0.05	0.00	0.46	79	2.38	62	44	32	0	0	0	0
RENO	68	40	80	34	54	7	0.00	-0.12	0.00	0.97	103	12.44	212	65	41	0	0	0	0
WINNEMUCCA	64	32	78	24	48	5	0.20	0.03	0.20	0.44	34	7.36	108	68	44	0	4	1	0
NH CONCORD	61	40	71	28	50	7	1.84	1.01	1.54	10.40	146	39.20	124	91	58	0	2	4	1
NJ NEWARK	65	48	76	39	57	5	4.10	3.35	3.86	6.69	88	44.36	113	84	52	0	0	3	1
NM ALBUQUERQUE	67	42	73	37	55	4	0.00	-0.19	0.00	2.24	103	7.67	91	55	26	0	0	0	0
NY ALBANY	61	43	70	33	52	7	1.12	0.36	1.06	5.58	80	37.38	115	83	56	0	0	4	1
BINGHAMTON	52	37	64	31	45	2	2.40	1.72	1.64	5.76	82	45.48	139	90	72	0	1	6	1
BUFFALO	51	38	64	35	45	-1	2.68	1.90	0.91	9.58	128	41.86	126	94	66	0	0	7	2
ROCHESTER	53	39	66	34	46	0	3.49	2.91	2.17	8.98	141	39.99	139	91	72	0	0	6	1
SYRACUSE	52	37	64	31	45	0	4.80	4.07	2.37	8.79	113	41.30	123	97	67	0	2	7	4
NC ASHEVILLE	65	42	76	32	54	3	0.30	-0.51	0.21	13.73	187	50.35	125	92	53	0	2	2	0
CHARLOTTE	72	45	82	30	59	2	0.03	-0.77	0.03	6.68	84	41.63	111	94	47	0	1	1	0
GREENSBORO	69	44	81	35	56	2	0.13	-0.50	0.11	5.86	74	40.29	108	94	53	0	0	2	0
HATTERAS	73	55	78	49	64	2	0.90	-0.34	0.87	9.31	80	51.11	104	94	62	0	0	2	1
RALEIGH	70	46	81	36	58	2	0.56	-0.08	0.56	6.57	84	41.98	112	94	60	0	0	1	1
WILMINGTON	75	49	82	40	62	2	2.90	2.34	2.90	10.34	100	57.70	115	99	48	0	0	1	1
ND BISMARCK	39	25	54	20	32	-6	0.17	-0.05	0.13	1.74	58	14.79	93	83	65	0	6	4	0
DICKINSON	36	22	50	12	29	-9	0.09	-0.12	0.05	2.98	97	11.55	74	92	63	0	7	2	0
FARGO	37	27	53	14	32	-6	0.32	-0.05	0.12	3.86	89	14.53	73	93	68	0	6	4	0
GRAND FORKS	36	24	50	13	30	-6	0.77	0.45	0.34	5.33	139	16.78	92	96	66	0	7	3	0
JAMESTOWN	37	22	52	15	29	-8	0.13	-0.11	0.08	3.04	93	13.66	78	91	62	0	6	3	0
WILLISTON	37	23	55	15	30	-6	0.23	0.09	0.13	2.43	106	11.71	90	85	67	0	7	3	0
OH AKRON-CANTON	53	37	66	32	45	-2	1.07	0.51	0.77	6.52	104	41.19	126	82	66	0	2	5	1
CINCINNATI	56	39	69	30	48	-2	0.48	-0.28	0.26	7.64	123	44.43	122	96	78	0	3	4	0
CLEVELAND	55	39	67	33	47	0	1.75	1.12	0.70	6.36	93	40.38	124	88	62	0	0	5	2
COLUMBUS	55	39	68	33	47	-2	1.06	0.48	0.93	7.20	129	43.23	132	91	69	0	0	4	1
DAYTON	53	38	66	32	46	-2	1.03	0.34	0.90	7.11	123	44.61	133	97	74	0	3	3	1
MANSFIELD	53	36	65	30	45	-1	0.87	0.15	0.64	5.25	80	41.83	114	95					

Weather Data for the Week Ending November 4, 2017

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
OK TOLEDO	51	38	64	34	45	-2	0.81	0.25	0.62	6.85	124	33.65	120	89	69	0	0	4	1
OK YOUNGSTOWN	52	35	66	27	44	-2	1.44	0.92	0.75	5.11	77	37.83	117	90	67	0	2	5	1
OK OKLAHOMA CITY	67	40	81	34	54	-2	0.00	-0.61	0.00	9.80	123	32.93	102	85	40	0	0	0	0
OR TULSA	66	44	83	32	55	-2	0.00	-0.80	0.00	8.99	97	43.98	119	84	56	0	1	0	0
OR ASTORIA	56	42	63	35	49	-1	1.25	-0.63	0.68	12.35	132	62.41	132	92	80	0	0	4	1
OR BURNS	53	26	70	16	39	0	0.77	0.58	0.77	1.66	125	10.04	121	91	72	0	7	1	1
OR EUGENE	56	38	63	27	47	-1	0.27	-1.08	0.25	5.42	95	31.03	89	98	81	0	1	2	0
OR MEDFORD	62	39	74	36	51	2	0.40	-0.06	0.35	1.59	67	14.81	116	96	55	0	0	2	0
OR PENDLETON	54	36	62	27	45	-2	0.09	-0.21	0.07	2.44	136	13.80	140	86	63	0	2	2	0
OR PORTLAND	56	43	63	35	50	0	0.16	-0.80	0.08	7.13	140	36.45	138	85	70	0	0	3	0
OR SALEM	57	40	65	32	49	0	0.31	-0.75	0.13	8.11	159	41.56	150	87	67	0	1	5	0
PA ALLENTOWN	62	42	73	33	52	5	1.97	1.21	1.70	7.72	95	47.26	123	84	58	0	0	4	1
PA ERIE	54	40	67	34	47	-2	1.62	0.77	0.56	9.47	104	43.85	123	84	63	0	0	7	2
PA MIDDLETOWN	60	42	71	35	51	1	1.97	1.29	1.48	7.23	106	41.43	121	95	57	0	0	4	1
PA PHILADELPHIA	65	47	75	40	56	4	2.41	1.81	2.02	7.56	108	38.77	108	81	55	0	0	3	1
PA PITTSBURGH	54	37	68	30	45	-3	0.71	0.17	0.45	5.94	103	38.78	120	94	62	0	2	4	0
PA WILKES-BARRE	61	41	71	34	51	4	1.45	0.80	1.18	4.78	66	35.19	109	89	54	0	0	3	1
PA WILLIAMSPORT	56	39	64	31	48	2	3.82	3.09	3.40	8.32	110	44.55	126	90	66	0	2	5	1
RI PROVIDENCE	66	47	75	36	56	7	0.57	-0.37	0.43	7.53	95	41.73	109	92	62	0	0	2	0
SC BEAUFORT	76	49	83	39	62	-1	0.00	-0.63	0.00	11.07	128	44.82	101	98	43	0	0	0	0
SC CHARLESTON	75	48	82	34	62	0	0.00	-0.58	0.00	10.32	110	48.76	106	98	46	0	0	0	0
SC COLUMBIA	77	46	85	33	61	2	0.02	-0.64	0.02	6.15	85	42.90	101	94	44	0	0	1	0
SC GREENVILLE	71	45	81	31	58	2	0.09	-0.77	0.09	11.49	138	49.46	115	98	49	0	1	1	0
SD ABERDEEN	41	25	55	11	33	-6	0.23	-0.06	0.12	2.81	78	15.38	80	90	69	0	6	3	0
SD HURON	44	27	52	15	36	-4	0.04	-0.25	0.04	7.75	218	21.66	110	90	56	0	5	1	0
SD RAPID CITY	45	25	60	10	35	-6	0.08	-0.17	0.05	1.80	69	11.62	74	88	52	0	5	4	0
SD SIOUX FALLS	45	29	51	14	37	-4	0.04	-0.35	0.04	6.88	145	25.55	111	81	63	0	4	1	0
TN BRISTOL	63	41	76	30	52	2	0.01	-0.51	0.01	5.55	98	41.77	119	100	57	0	2	1	0
TN CHATTANOOGA	67	46	77	30	57	2	0.17	-0.66	0.12	9.92	123	53.66	118	94	70	0	2	3	0
TN KNOXVILLE	64	45	75	29	54	0	0.25	-0.42	0.25	7.52	124	45.64	114	100	63	0	1	1	0
TN MEMPHIS	69	50	83	31	59	1	0.33	-0.61	0.25	5.98	83	42.63	97	89	62	0	1	3	0
TN NASHVILLE	67	48	80	30	57	2	0.24	-0.50	0.22	7.31	106	44.15	112	90	53	0	2	2	0
TX ABILENE	75	45	88	35	60	-1	0.05	-0.45	0.05	4.54	75	18.97	88	73	47	0	0	1	0
TX AMARILLO	71	41	83	35	56	4	0.00	-0.27	0.00	5.61	159	26.49	143	72	26	0	0	0	0
TX AUSTIN	78	54	87	32	66	0	0.86	0.06	0.73	6.33	86	37.58	130	86	58	0	1	3	1
TX BEAUMONT	79	59	85	33	69	3	1.80	0.81	1.79	8.09	71	97.06	192	95	65	0	0	2	1
TX BROWNSVILLE	86	66	91	49	76	4	0.24	-0.33	0.24	7.90	84	20.94	84	88	61	3	0	1	0
TX CORPUS CHRISTI	86	60	92	35	73	3	0.03	-0.57	0.03	3.93	42	26.29	90	91	54	2	0	1	0
TX DEL RIO	79	50	86	34	64	-2	0.00	-0.31	0.00	6.76	160	22.65	136	88	61	0	0	0	0
TX EL PASO	76	49	81	38	63	4	0.02	-0.06	0.02	1.21	49	9.13	110	57	25	0	0	1	0
TX FORT WORTH	79	51	94	36	65	3	0.04	-0.77	0.04	2.60	37	31.23	104	80	38	2	0	1	0
TX GALVESTON	79	68	84	49	73	3	0.76	0.05	0.54	2.83	29	53.28	144	90	65	0	0	2	1
TX HOUSTON	82	60	88	35	71	5	0.70	-0.32	0.44	5.11	54	75.93	187	95	58	0	0	2	0
TX LUBBOCK	75	41	88	35	58	3	0.07	-0.16	0.07	3.96	90	21.92	126	71	41	0	0	1	0
TX MIDLAND	78	47	88	38	62	3	0.04	-0.19	0.04	4.20	100	16.97	125	64	34	0	0	1	0
TX SAN ANGELO	81	45	92	30	63	3	0.02	-0.37	0.02	4.29	75	16.39	86	74	34	2	1	1	0
TX SAN ANTONIO	79	58	87	36	69	3	0.22	-0.58	0.19	3.29	45	22.78	79	86	46	0	0	2	0
TX VICTORIA	81	57	88	32	69	1	0.51	-0.23	0.48	3.73	39	44.77	126	93	62	0	1	2	0
TX WACO	78	51	92	32	65	2	0.00	-0.69	0.00	1.65	24	30.34	107	83	43	1	1	0	0
TX WICHITA FALLS	75	44	90	37	60	1	0.01	-0.53	0.01	4.45	67	24.52	95	71	46	2	0	1	0
UT SALT LAKE CITY	64	43	72	36	54	7	0.02	-0.31	0.01	2.24	72	14.08	100	72	36	0	0	2	0
VT BURLINGTON	58	43	69	34	51	8	0.98	0.28	0.66	6.66	90	36.36	117	87	58	0	0	6	1
VA LYNCHBURG	66	43	80	35	55	4	0.44	-0.25	0.28	4.78	62	31.48	84	90	50	0	0	2	0
VA NORFOLK	72	52	81	44	62	5	2.09	1.37	2.09	7.04	89	45.58	114	92	54	0	0	1	1
VA RICHMOND	70	48	82	40	59	6	2.07	1.33	1.84	6.67	83	35.72	94	94	58	0	0	2	1
VA ROANOKE	66	44	79	39	55	3	0.64	-0.05	0.32	6.86	93	36.76	100	86	61	0	0	2	0
WA WASH/DULLES	64	43	77	36	54	4	1.76	1.02	1.10	5.53	73	38.52	107	93	64	0	0	3	2
WA OLYMPIA	52	35	64	27	43	-3	1.20	-0.24	0.45	9.07	128	43.51	122	98	84	0	4	4	0
WA QUILLAYUTE	54	38	66	29	46	-1	1.25	-1.71	0.89	12.31	78	79.90	108	89	74	0	2	3	1
WA SEATTLE-TACOMA	52	41	63	33	47	-2	0.83	-0.24	0.33	6.21	114	34.61	132	90	66	0	0	4	0
WA SPOKANE	47	31	57	26	39	-2	0.37	0.02	0.15	2.98	147	16.95	137	91	58	0	4	4	0
WA YAKIMA	58	30	70	24	44	1	0.03	-0.13	0.01	1.00	99	8.73	147	77	54	0	5	3	0
WV BECKLEY	56	43	71	29	50	2	0.18	-0.38	0.14	6.45	104	39.79	111	84	67	0	2	3	0
WV CHARLESTON	62	43	77	33	53	3	0.11	-0.56	0.07	7.20	111	43.64	117	90	53	0	0	3	0
WV ELKINS	58	38	71	30	48	2	1.01	0.36	0.81	6.76	96	41.20	104	86	62	0	1	3	1
WV HUNTINGTON	62	43	76	31	53	2	0.06	-0.61	0.03	7.60	128	42.81	119	84	54	0	1	2	0
WI EAU CLAIRE	38	28	42	22	33	-8	0.30	-0.17	0.12	5.97	96	34.07	116	94	61	0	5	4	0
WI GREEN BAY	43	32	47	25	38	-4	0.31	-0.20	0.23	4.44	80	29.93	116	93	66	0	4	3	0
WI LA CROSSE	43	31	48	25	37	-7	0.25	-0.22	0.12	7.19	123	38.93	133	91	57	0	4	5	0
WI MADISON	44	33	50	27	38	-5	0.35	-0.16	0.26	4.44	80	38.20	130	82	65	0	4	3	0
WI MILWAUKEE	47	38	50	35	42	-4	0.51	-0.06	0.29	5.43	89	34.75	115	79	61	0	0	4	0
WY CASPER	49	23	63	9	36	-4	0.17	-0.04	0.11	2.65	118	12.77	109	84	57	0	7	4	0
WY CHEYENNE	54	28	66	21	41	2	0.02	-0.10	0.01	2.04	91	13.95	97	74	49	0	6	2	0
WY LANDER	48	26	63	17	37	-2	0.37	0.10	0.19	3.91	147	18.59	155	89	47	0	7	4	0
WY SHERIDAN	43	24	68	11	34	-5	1.03	0.79	0.74	3.12	107	17.61	132	90	68	0	6	4	1

Based on 1971-2000 normals

\*\*\* Not Available



On the northern Plains, winter wheat has struggled to become established due to lingering drought and, more recently, sudden cold. In the last two decades, South Dakota's winter wheat condition index was lower in autumn only in 2012.

## National Agricultural Summary

October 30 – November 5, 2017

*Weekly National Agricultural Summary provided by USDA/NASS*

### HIGHLIGHTS

The nation was mostly dry during the week, with areas receiving more than 4 inches of precipitation confined to New England. Scattered snow and a wintry mix of precipitation across the Midwest and Plains States resulted in producers hurrying to harvest what remained of the corn and

soybean acreage. Above-average temperatures stretched across the southern half of the country, favoring cotton and peanut harvests. The Northern Rocky Mountains were not nearly as mild, with temperatures plunging to sub-zero levels in parts of Montana.

**Corn:** Seventy percent of this year's corn was harvested by November 5, behind the previous year's 84 percent and the 5-year average of 83 percent. The corn harvest advanced rapidly across the middle of the country, with Iowa, Minnesota, Nebraska, and the Dakotas each increasing more than 20 percent during the week. Producers took advantage of a few dry days, but high winds in some areas damaged stalks and caused ears to fall.

**Soybeans:** By November 5, soybean producers had harvested 90 percent of the nation's crop, 2 percentage points behind last year and slightly behind the 5-year average. Missouri's harvest advanced 14 percentage points, the most of any of the estimating states, to reach 77 percent complete. However, this was 7 percentage points behind last year. Meanwhile, harvest in Kansas advanced 12 percentage points to 85 percent complete, equal to the previous year.

**Winter Wheat:** Producers had sown 91 percent of the 2018 winter wheat crop by November 5, slightly ahead of last year but equal to the 5-year average. Nationwide, emergence advanced to 75 percent complete by November 5, three percentage points behind last year and 2 points behind the 5-year average. Fifty-five percent of the crop was reported to be in good or excellent condition, 3 percentage points below the same time last year.

**Cotton:** Ninety-six percent of the cotton was at or beyond the boll-opening stage by November 5, two

percentage points behind both last year and the 5-year average. Nationally, producers had harvested 54 percent of the cotton by week's end, slightly behind both last year and the 5-year average. California's harvest advanced 20 percentage points from the previous week, while harvest in Texas and the Delta States was slower. Neither Arkansas, Louisiana, Mississippi, Tennessee, nor Texas advanced more than 10 percentage points.

**Sorghum:** Nationwide, sorghum producers had harvested 72 percent of the crop by November 5, eleven percentage points behind last year and 6 points behind the 5-year average. The harvest in Nebraska, at 66 percent complete, was the furthest behind—18 percentage points behind the 5-year average.

**Other Crops:** By November 5, eighty-two percent of the nation's peanut crop had been dug and combined, 3 percentage points behind last year and slightly behind the 5-year average.

Producers had harvested 92 percent of the sugarbeet crop by week's end, 3 percentage points ahead of last year but slightly behind the 5-year average.

By week's end, 70 percent of this year's sunflower crop was harvested, 8 percentage points behind last year but 2 points ahead of the 5-year average. Harvest progress remained behind the 5-year average in all estimating states except North Dakota.

## Crop Progress and Condition

### Week Ending November 5, 2017

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

Corn Percent Harvested				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
CO	84	31	50	76
IL	94	73	83	91
IN	85	59	70	82
IA	84	44	67	84
KS	96	78	88	93
KY	99	87	90	93
MI	51	44	57	57
MN	84	38	60	87
MO	95	80	87	92
NE	82	45	68	81
NC	99	97	98	98
ND	68	37	59	73
OH	79	48	60	74
PA	75	51	58	70
SD	78	35	61	80
TN	100	97	98	97
TX	94	88	92	93
WI	66	25	37	63
18 Sts	84	54	70	83
These 18 States harvested 94% of last year's corn acreage.				

Soybeans Percent Harvested				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
AR	97	89	94	89
IL	94	86	92	94
IN	90	80	85	89
IA	94	83	92	96
KS	85	73	85	84
KY	85	55	63	72
LA	100	100	100	99
MI	75	78	84	85
MN	98	95	99	99
MS	97	94	95	96
MO	84	63	77	77
NE	95	89	95	98
NC	48	41	50	34
ND	98	96	98	98
OH	94	85	90	90
SD	97	96	99	98
TN	90	63	68	73
WI	92	80	86	91
18 Sts	92	83	90	91
These 18 States harvested 95% of last year's soybean acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
AR	100	100	100	100
CO	90	25	62	65
IL	82	74	82	87
KS	81	44	63	74
LA	100	100	100	100
MO	89	76	85	83
NE	90	47	66	84
NM	28	18	35	28
OK	82	59	69	80
SD	94	58	73	87
TX	83	82	84	82
11 Sts	83	59	72	78
These 11 States harvested 99% of last year's sorghum acreage.				

Peanuts Percent Harvested				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
AL	96	71	74	86
FL	96	92	98	94
GA	86	79	86	83
NC	74	72	85	81
OK	68	54	78	73
SC	76	71	78	81
TX	64	45	60	74
VA	87	89	94	87
8 Sts	85	74	82	83
These 8 States harvested 96% of last year's peanut acreage.				

Cotton Percent Bolls Opening				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
AL	100	93	94	98
AZ	100	100	100	100
AR	100	100	100	100
CA	100	85	95	100
GA	99	98	99	98
KS	94	93	97	94
LA	100	100	100	100
MS	100	100	100	100
MO	100	100	100	99
NC	100	97	100	98
OK	98	97	99	98
SC	98	99	100	98
TN	100	100	100	99
TX	96	90	93	95
VA	100	100	100	100
15 Sts	98	93	96	98
These 15 States planted 98% of last year's cotton acreage.				

Cotton Percent Harvested				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
AL	77	53	57	63
AZ	48	39	43	42
AR	98	82	88	90
CA	69	30	50	78
GA	69	46	58	54
KS	20	12	17	27
LA	100	94	98	98
MS	94	77	86	90
MO	93	81	89	73
NC	54	53	65	49
OK	41	32	40	43
SC	47	54	65	49
TN	84	65	71	63
TX	38	37	44	44
VA	57	66	76	51
15 Sts	55	46	54	55
These 15 States harvested 98% of last year's cotton acreage.				

**Crop Progress and Condition**

**Week Ending November 5, 2017**

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

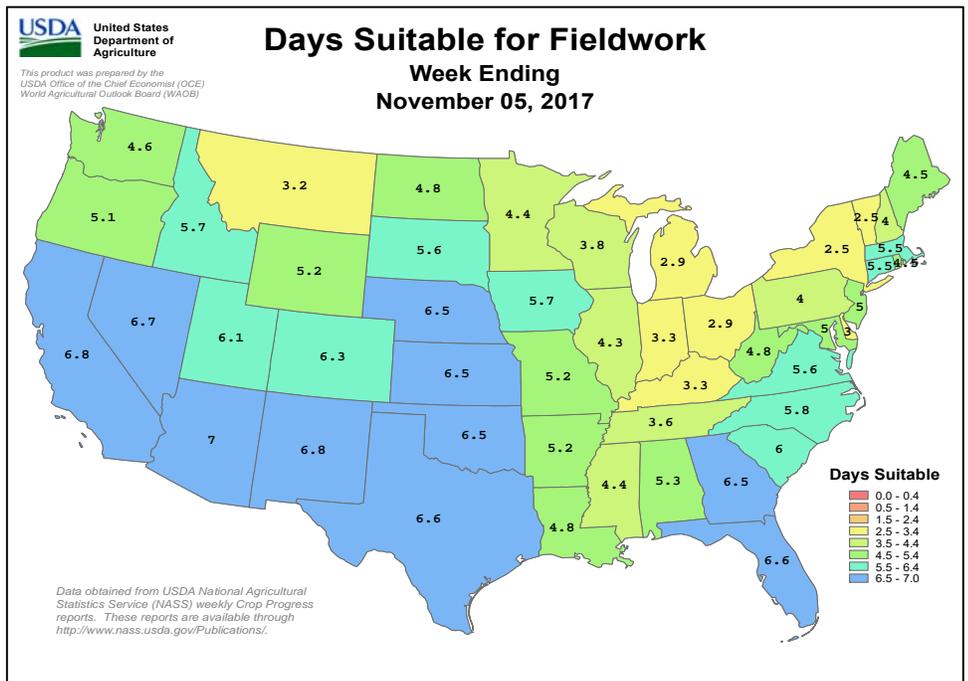
Winter Wheat Percent Planted				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
AR	72	66	79	71
CA	56	30	41	44
CO	99	97	98	100
ID	95	100	100	99
IL	92	76	90	90
IN	90	81	87	91
KS	95	84	93	97
MI	91	92	96	95
MO	76	55	69	75
MT	93	95	97	96
NE	100	98	100	100
NC	41	39	58	38
OH	95	91	94	95
OK	93	83	90	95
OR	91	89	96	95
SD	100	98	100	100
TX	84	79	85	83
WA	92	91	99	98
18 Sts	90	84	91	91
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Percent Emerged				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
AR	49	41	61	49
CA	37	5	8	22
CO	94	82	89	93
ID	82	82	92	83
IL	76	54	73	70
IN	75	55	67	73
KS	83	57	73	85
MI	77	78	88	81
MO	52	35	47	51
MT	85	79	83	85
NE	97	88	93	95
NC	22	21	37	20
OH	77	70	82	76
OK	82	70	78	84
OR	61	57	65	64
SD	92	91	95	80
TX	69	60	69	67
WA	78	73	82	81
18 Sts	78	65	75	77
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	4	10	44	33	9
CA	0	0	5	20	75
CO	2	4	29	48	17
ID	2	2	40	30	26
IL	7	5	28	46	14
IN	1	3	24	54	18
KS	3	8	30	52	7
MI	2	5	19	64	10
MO	0	5	31	57	7
MT	2	8	47	38	5
NE	3	8	27	51	11
NC	0	3	18	69	10
OH	0	2	10	61	27
OK	1	8	49	40	2
OR	2	5	15	58	20
SD	26	17	38	18	1
TX	3	11	37	36	13
WA	0	1	17	77	5
18 Sts	3	8	34	45	10
Prev Wk	4	8	36	43	9
Prev Yr	2	7	33	48	10

Sugarbeets Percent Harvested				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
ID	82	79	90	90
MI	59	47	65	72
MN	96	98	99	98
ND	99	98	100	99
4 Sts	89	87	92	93
These 4 States harvested 83% of last year's sugarbeet acreage.				

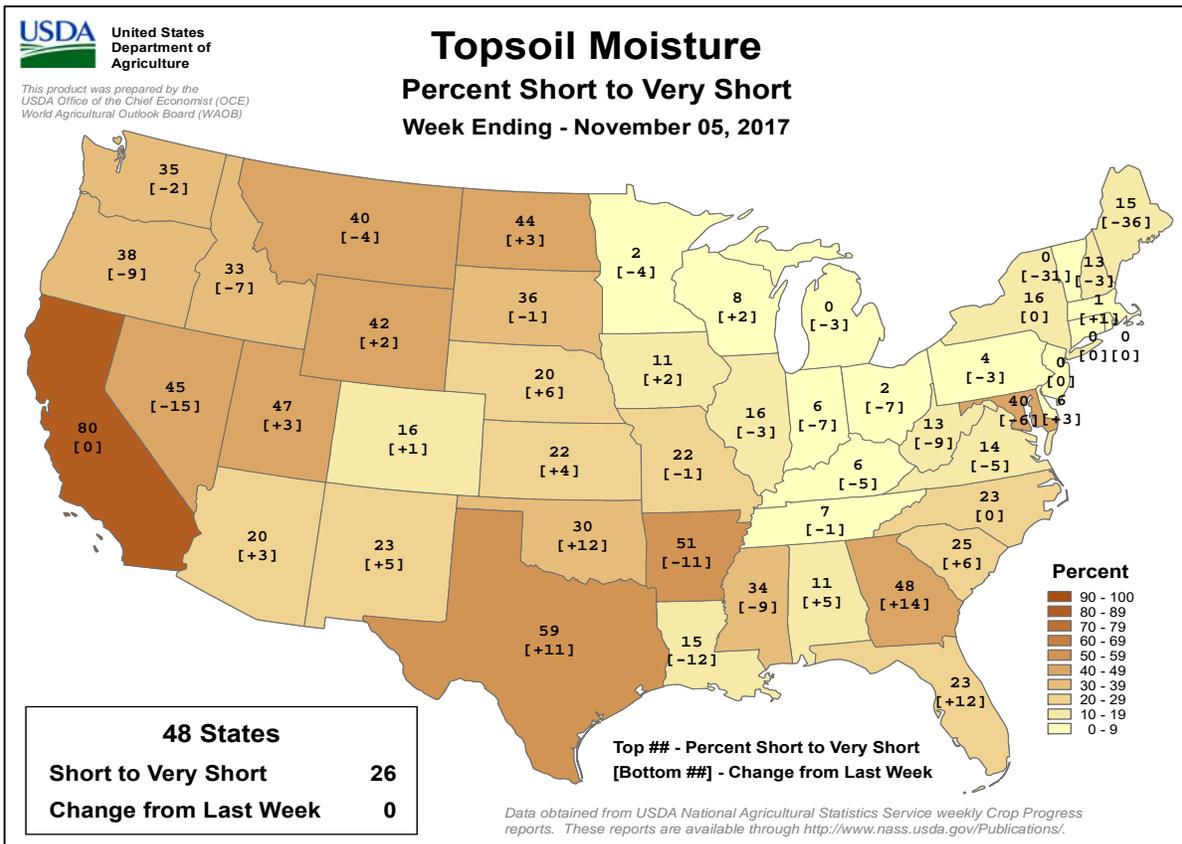
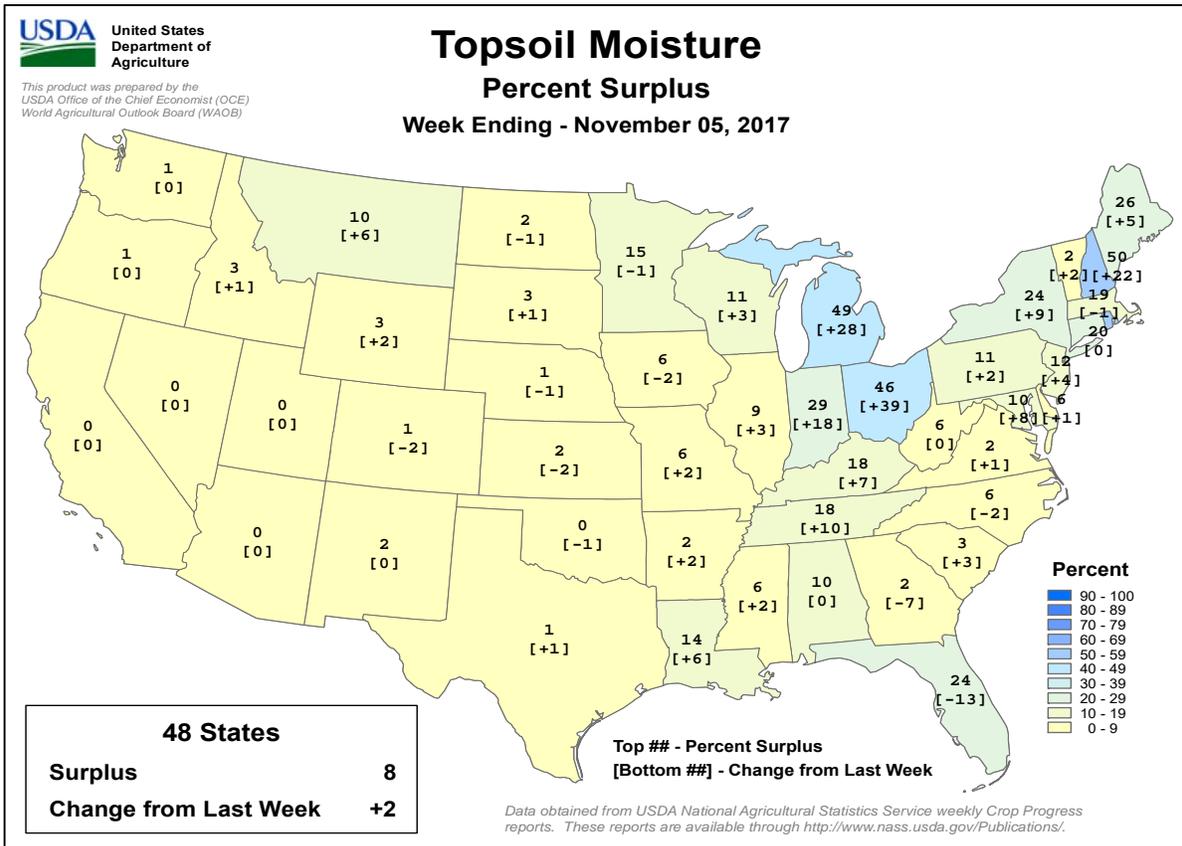
Sunflowers Percent Harvested				
	Prev Year	Prev Week	Nov 5 2017	5-Yr Avg
CO	80	30	68	72
KS	63	42	55	63
ND	72	57	72	66
SD	87	51	69	70
4 Sts	78	53	70	68
These 4 States harvested 87% of last year's sunflower acreage.				



### Crop Progress and Condition

#### Week Ending November 5, 2017

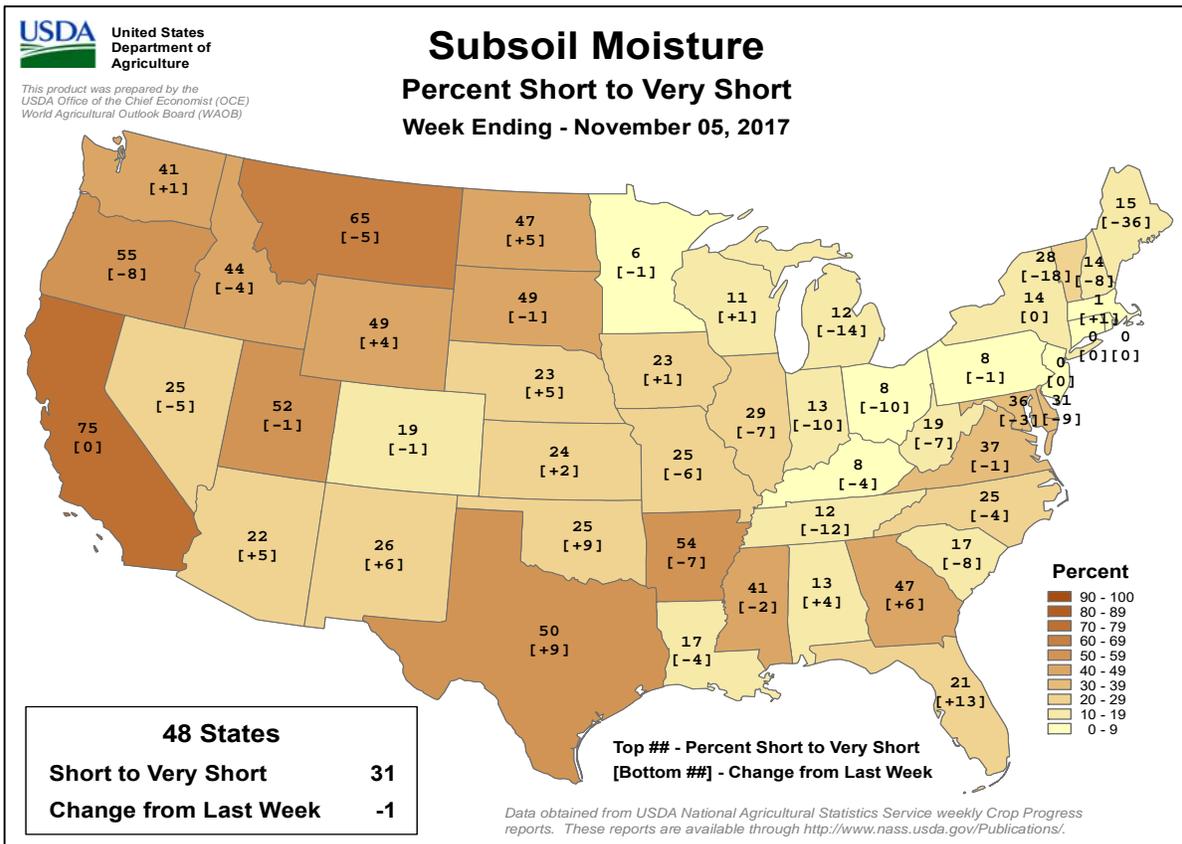
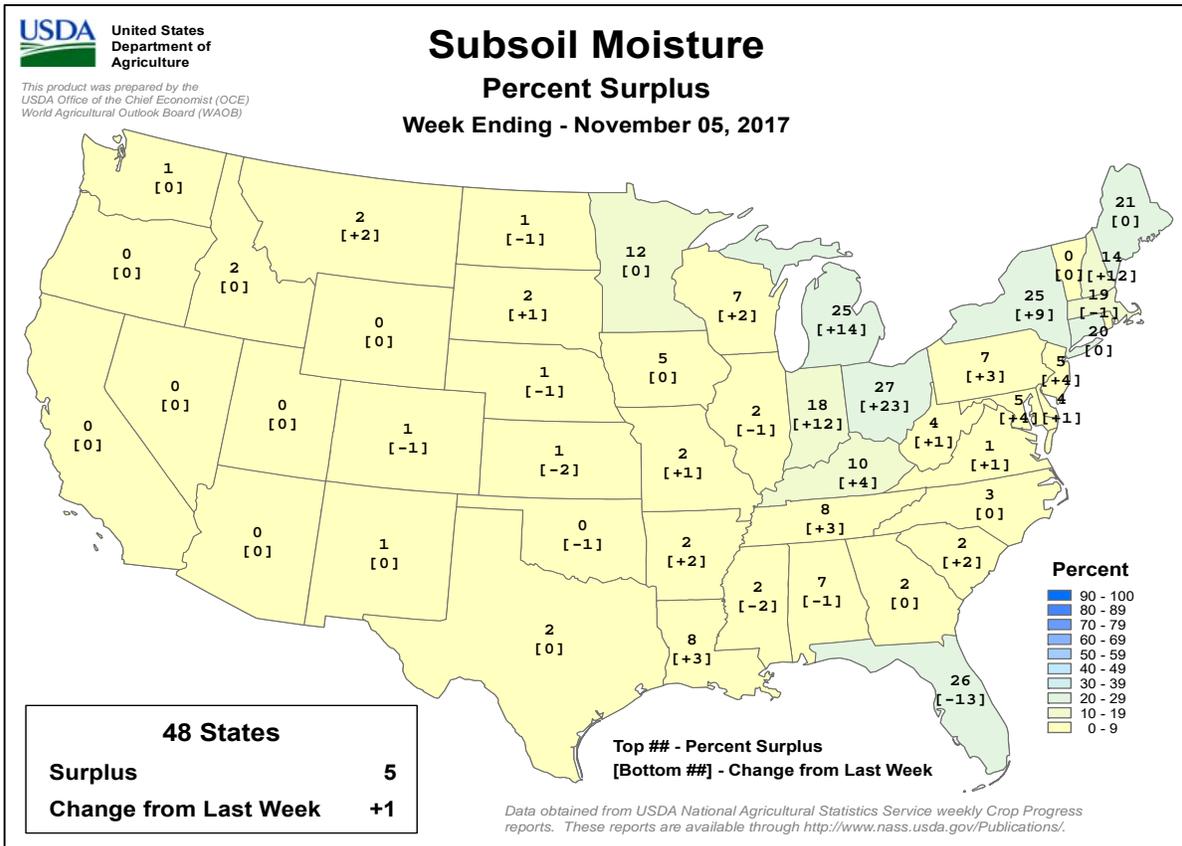
Weekly U.S. Progress and Condition Data provided by USDA/NASS



**Crop Progress and Condition**

**Week Ending November 5, 2017**

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



## International Weather and Crop Summary

October 29 - November 4, 2017

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

**EUROPE:** Unseasonably wet weather persisted over northeastern Europe, while late-week showers provided much-needed drought relief over southwestern growing areas.

**FSU-WESTERN:** Additional rain boosted soil moisture reserves for wheat establishment in Ukraine and Russia.

**MIDDLE EAST:** Beneficial rain eased drought concerns across Turkey and the eastern Mediterranean Coast.

**NORTHWEST AFRICA:** Early-season drought left soils devoid of moisture for winter grain planting and establishment in western portions of the region.

**SOUTH ASIA:** Heavy showers in southwestern India slowed fieldwork and contrasted with drier weather across the remainder of the country.

**EAST ASIA:** Dry weather aided fieldwork in eastern China.

**SOUTHEAST ASIA:** Typhoon Damrey caused flooding and fieldwork delays in the northern Philippines and central Vietnam.

**AUSTRALIA:** Dry weather throughout much of the wheat belt favored winter crop maturation and initial harvesting and spurred additional summer crop planting.

**SOUTH AFRICA:** Dry weather promoted summer crop planting across the corn belt.

**ARGENTINA:** Widespread, locally heavy showers increased moisture for emerging summer grains, oilseeds, and cotton.

**BRAZIL:** Seasonal rainfall intensified in key soybean areas of central and northeastern Brazil.

## October 2017

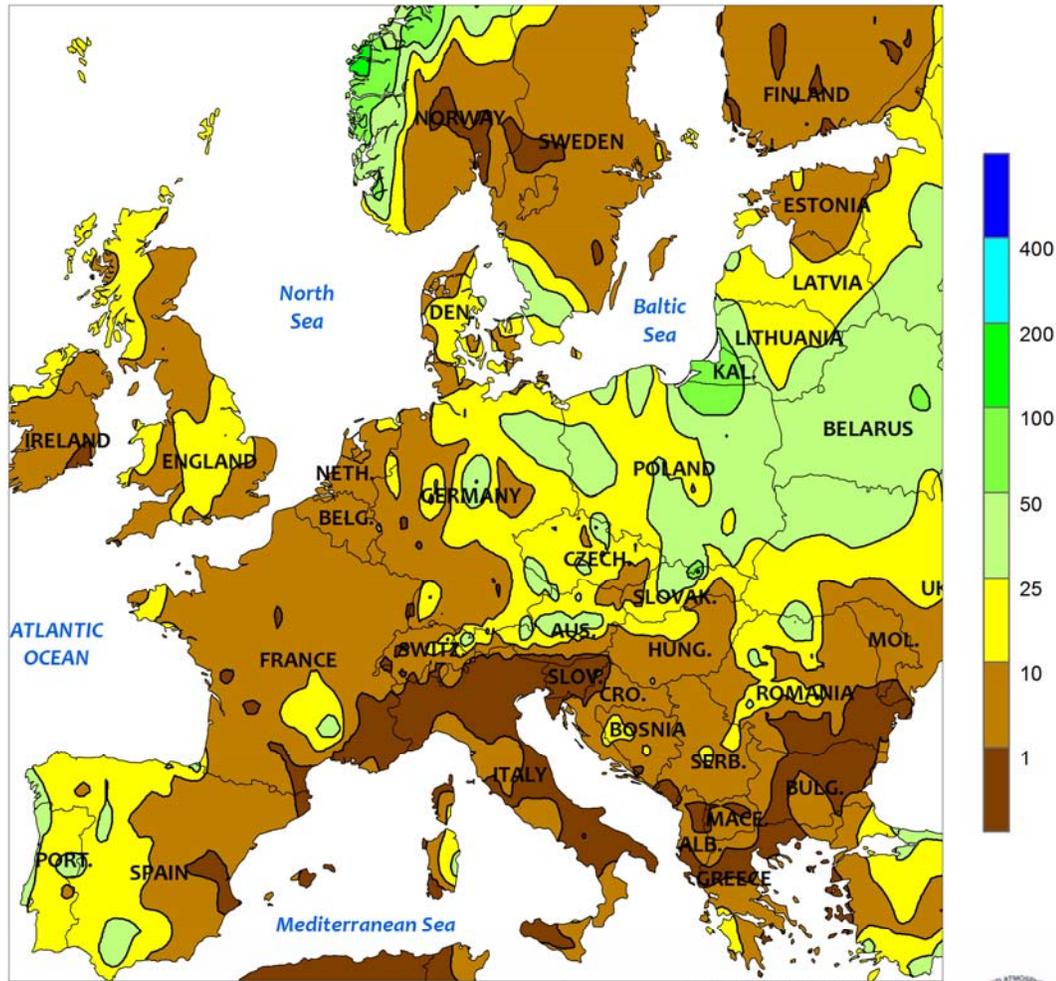
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	27	12	33	9	19	0.5	16	-42
	BATNA	23	7	27	3	15	-1	22	-3
ARGENT	IGUAZU	28	17	37	8	22	0.1	373	160
	FORMOSA	29	18	39	11	23	0.7	201	74
	CERES	26	13	36	7	20	0	28	-48
	CORDOBA	26	9	37	2	18	-0.7	48	-20
	RIO CUARTO	24	10	36	4	17	0.2	227	132
	ROSARIO	24	12	30	4	18	0.1	85	-11
	BUENOS AIRES	22	11	29	6	17	0.6	118	14
	SANTA ROSA	23	9	29	1	16	0	26	-44
	TRES ARROYOS	21	9	30	1	15	1.1	51	-31
AUSTRA	DARWIN	33	26	35	23	30	0.5	23	-55
	BRISBANE	25	19	31	13	22	1.5	157	61
	PERTH	23	11	32	4	17	0.6	26	-22
	CEDUNA	24	12	36	2	18	0.9	0	-27
	ADELAIDE	22	13	32	7	17	1.7	10	-33
	MELBOURNE	21	9	31	4	15	1.5	49	-13
	WAGGA	24	9	29	1	17	2.4	65	4
	CANBERRA	23	7	28	-1	15	2.4	58	2
AUSTRI	VIENNA	17	8	25	4	12	1.8	87	52
	INNSBRUCK	17	5	26	-2	11	1.7	87	29
BAHAMA	NASSAU	31	24	33	19	27	1.3	145	-20
BARBAD	BRIDGETOWN	30	25	31	21	27	0	289	121
BELARU	MINSK	9	5	15	-2	7	0.5	82	31
BERMUD	ST GEORGES	26	22	28	19	24	-0.2	121	-27
BOLIVI	LA PAZ	17	1	20	-5	9	-0.3	56	13
BRAZIL	FORTALEZA	31	26	33	25	28	0.2	9	-1
	RECIFE	28	24	30	23	26	-1.5	40	4
	CAMPO GRANDE	30	20	37	12	25	-0.4	169	24
	FRANCA	30	19	35	14	25	2.3	141	-17
	RIO DE JANEIRO	30	22	36	19	26	2	52	-29
	LONDRINA	30	18	37	11	24	1.8	368	219
	SANTA MARIA	25	16	33	7	20	0.3	245	106
	TORRES	24	17	29	9	20	-1	137	8
BULGAR	SOFIA	18	5	26	2	11	0.6	78	41
BURKIN	OUAGADOUGOU	37	24	38	18	30	0.9	4	-29
CANADA	LETHBRIDGE	12	0	23	-11	6	*****	45	*****
	REGINA	12	-3	26	-12	5	*****	22	*****
	WINNIPEG	12	3	25	-6	8	*****	23	*****
	TORONTO	19	8	28	2	13	4.4	58	-6
	MONTREAL	18	8	26	0	13	5	113	33
	PRINCE ALBERT	10	-2	21	-7	4	0.7	22	-2
	CALGARY	12	-1	24	-6	6	0.3	14	1
	VANCOUVER	14	6	17	1	10	-0.2	115	6
CANARY	LAS PALMAS	28	21	36	19	24	1.6	3	-11
CHILE	SANTIAGO	22	8	29	3	15	0.7	36	20
CHINA	HARBIN	12	1	22	-8	6	0.2	5	-19
	HAMI	19	3	26	-4	11	0.9	0	-3
	BEIJING	17	9	26	0	13	-0.3	75	54
	TIENTSIN	18	10	27	1	14	-0.5	102	79
	LHASA	20	6	23	-2	13	3.5	0	-9
	KUNMING	21	13	26	4	17	1.3	146	68
	CHENGCHOW	19	12	26	4	15	0	81	34
	YEHCHANG	19	14	27	9	16	-1.8	195	111
	HANKOW	21	14	33	6	18	-0.8	76	-18
	CHUNGKING	21	17	31	14	19	0.8	203	98
	CHIHKIANG	22	15	32	7	18	0.5	37	-66
	WU HU	21	14	33	5	17	-0.5	74	5
	SHANGHAI	22	17	32	7	19	0.5	99	31
	NANCHANG	24	18	35	11	21	1	77	19
	TAIPEI	28	24	36	19	26	1.2	353	208
	CANTON	29	20	34	13	25	0.2	46	-41
	NANNING	28	21	34	16	24	0.2	163	98
COLOMB	BOGOTA	20	9	23	4	15	1.2	278	162
COTE D	ABIDJAN	30	25	31	22	27	1.1	365	203
CUBA	CAMAGUEY	30	23	33	20	27	0.9	129	-105
CYPRUS	LARNACA	28	17	31	14	23	0.6	15	1
CZECHR	PRAGUE	15	8	23	1	11	2.9	58	28
DENMAR	COPENHAGEN	13	9	17	0	11	1.8	86	35
EGYPT	CAIRO	30	21	38	19	25	1.1	50	49

Based on Preliminary Reports

## October 2017

COUNTRY	CITY	TEMPERATURE					PRECIP.			COUNTRY	CITY	TEMPERATURE					PRECIP.														
		AVG	AVG	HI	LO	DEP	NRM	TOT	DEP			AVG	AVG	HI	LO	DEP	NRM	TOT	DEP												
		MAX	MIN	MAX	MIN	AVG						MAX	MIN	MAX	MIN	AVG						MAX	MIN	MAX	MIN	AVG					
	ASWAN	35	20	40	16	28	-0.6	0	0		MARRAKECH	33	18	39	13	26	4.9	10	-8												
ESTONI	TALLINN	8	4	14	-4	6	-0.4	157	84		MOZAMB	MAPUTO	28	19	42	15	23	0.6	14	-44											
ETHIOP	ADDIS ABABA	22	11	25	9	17	0.7	3	-44		N KORE	PYONGYANG	19	9	26	1	14	1.8	43	2											
F GUIA	CAYENNE	33	23	34	22	28	1.3	40	-41		NEW CA	NOUMEA	27	20	31	19	24	1.4	2	-48											
FIJI	NAUSORI	29	22	32	18	25	1.3	125	-74		NIGER	NIAMEY	38	25	40	21	31	0.7	13	-2											
FINLAN	HELSINKI	7	3	15	-3	5	0.0	165	89		NORWAY	OSLO	9	3	15	-2	6	1.5	176	84											
FRANCE	PARIS/ORLY	18	10	25	1	14	1.8	24	-34		NZEALA	AUCKLAND	18	13	21	7	15	*****	65	*****											
	STRASBOURG	18	7	26	-2	13	2.7	36	-17			WELLINGTON	17	11	22	6	14	*****	38	*****											
	BOURGES	18	9	24	2	13	1.8	34	-32		P RICO	SAN JUAN	31	25	33	24	28	0.7	167	38											
	BORDEAUX	21	12	29	3	16	2.8	15	-79		PAKIST	KARACHI	37	23	42	20	30	2.0	0	*****											
	TOULOUSE	22	12	28	2	17	2.8	11	-42		PERU	LIMA	20	15	23	15	18	0.0	0	-3											
	MARSEILLE	23	13	27	5	18	2.3	1	-83		PHILIP	MANILA	31	25	34	22	28	0.0	262	64											
GABON	LIBREVILLE	28	25	30	23	27	0.8	670	263		PNEWGU	PORT MORESBY	30	25	33	24	28	1.0	133	100											
GERMAN	HAMBURG	15	10	22	2	12	2.7	123	59		POLAND	WARSAW	13	7	22	0	10	2.0	82	44											
	BERLIN	15	10	23	4	12	2.6	89	52			LODZ	13	7	23	0	10	1.2	91	58											
	DUSSELDORF	16	11	24	2	14	2.0	43	-33			KATOWICE	14	7	22	-1	10	1.0	75	28											
	LEIPZIG	16	9	23	2	13	2.5	70	30		PORTUG	LISBON	27	16	34	11	22	4.0	32	-45											
	DRESDEN	15	9	25	3	12	1.6	73	27		ROMANI	BUCHAREST	19	5	27	-2	12	0.3	130	89											
	STUTTGART	17	7	24	-1	12	2.0	48	-11		RUSSIA	ST.PETERSBURG	7	4	12	-2	6	0.1	112	50											
	NURNBERG	16	8	24	-1	12	2.6	60	9			KAZAN	7	3	16	-4	5	1.0	81	31											
	AUGSBURG	16	6	23	-2	11	1.5	51	-4			MOSCOW	7	3	15	-4	5	0.0	99	36											
GREECE	THESSALONIKA	22	11	29	7	17	0.6	21	-24			YEKATERINBURG	6	-1	15	-10	2	-0.1	33	-7											
	LARISSA	24	8	31	1	16	0.0	13	-36			OMSK	5	-2	13	-11	2	-1.1	44	15											
	ATHENS	24	16	28	11	20	0.4	4	-24			BARNAUL	7	-1	16	-10	3	-0.1	51	10											
GUADEL	RAIZET	31	24	32	23	27	0.4	186	-11			KHABAROVSK	9	-1	18	-7	4	-0.8	24	-24											
HONGKO	HONG KONG INT	31	25	35	19	28	2.2	80	-39			VLADIVOSTOK	12	6	21	-2	9	0.2	48	-15											
HUNGAR	BUDAPEST	17	8	23	2	12	1.5	71	32			VOLGOGRAD	12	5	23	-1	9	0.6	53	33											
ICELAN	REYKJAVIK	9	6	11	2	7	3.1	39	-39			ASTRAKHAN	15	7	23	-1	11	1.1	33	15											
INDIA	AMRITSAR	33	19	35	15	26	2.2	0	-15			ORENBURG	10	2	20	-8	6	0.4	43	7											
	NEW DELHI	35	20	37	16	27	1.2	0	-17		S AFRI	JOHANNESBURG	24	11	30	1	17	0.8	113	38											
	AHMEDABAD	37	22	39	17	29	0.8	0	-20			DURBAN	24	17	29	12	20	0.1	163	61											
	INDORE	34	20	35	15	27	1.5	3	-43			CAPE TOWN	22	11	34	5	16	0.4	19	-11											
	CALCUTTA	32	25	35	20	29	0.5	349	237		S KORE	SEOUL	22	12	29	3	17	2.3	27	-33											
	VERAVAL	35	24	39	21	30	1.4	13	-10		SAMOA	PAGO PAGO	30	25	31	22	28	0.5	481	226											
	BOMBAY	34	25	37	21	29	0.8	98	0		SENEGA	DAKAR	33	27	35	23	30	2.2	16	-27											
	POONA	32	20	35	15	26	0.9	389	311		SPAIN	VALLADOLID	24	9	31	4	17	3.9	4	-40											
	BEGAMPET	32	21	34	17	27	1.1	179	70			MADRID	26	10	31	5	18	2.9	20	-17											
	VISHAKHAPATNAM	33	26	35	24	30	1.8	88	-151			SEVILLE	31	16	36	11	24	3.8	13	-41											
	MADRAS	33	25	36	22	29	0.4	363	79		SWITZE	ZURICH	16	8	23	0	12	2.7	47	-38											
	MANGALORE	31	24	34	22	27	0.2	122	-77			GENEVA	18	7	24	2	12	2.1	19	-72											
INDONE	SERANG	33	24	35	22	29	1.1	116	9		SYRIA	DAMASCUS	29	12	34	6	20	1.7	0	-8											
IRELAN	DUBLIN	15	9	20	1	12	1.3	47	-26		TAHITI	PAPEETE	29	23	31	21	26	0.5	26	-75											
ITALY	MILAN	21	10	25	6	15	1.9	2	-116		TANZAN	DAR ES SALAAM	31	22	33	19	27	1.4	195	128											
	VENICE	19	11	22	6	15	0.8	30	-41		THAILA	PHITSANULOK	32	25	35	21	28	0.2	131	-24											
	GENOA	22	15	25	13	19	0.9	5	-169			BANGKOK	33	26	35	24	29	0.9	538	274											
	ROME	23	11	26	6	17	-0.1	9	-106		TOGO	TABLIGBO	33	24	35	22	28	2.0	14	-107											
	NAPLES	23	13	27	8	18	1.0	15	-115		TRINID	PORT OF SPAIN	32	24	35	23	28	1.2	256	64											
JAMAIC	KINGSTON	32	25	33	23	28	0.3	256	129		TUNISI	TUNIS	25	17	30	13	21	0.5	55	1											
JAPAN	SAPPORO	15	8	22	2	12	0.3	118	-10		TURKEY	ISTANBUL	21	13	28	6	17	0.2	62	-6											
	NAGOYA	22	16	30	7	19	0.8	537	417			ANKARA	18	4	23	-2	11	-0.3	23	-8											
	TOKYO	20	15	29	9	17	-1.0	538	373		TURKME	ASHKHABAD	25	13	37	7	19	2.8	6	-9											
	YOKOHAMA	20	15	30	11	18	-0.5	549	345		UKINGD	ABERDEEN	***	***	19	2	***	*****	*****	*****											
	KYOTO	22	16	31	7	19	0.3	403	280			LONDON	17	11	22	3	14	2.1	13	-57											
	OSAKA	21	16	2																											

EUROPE  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017



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

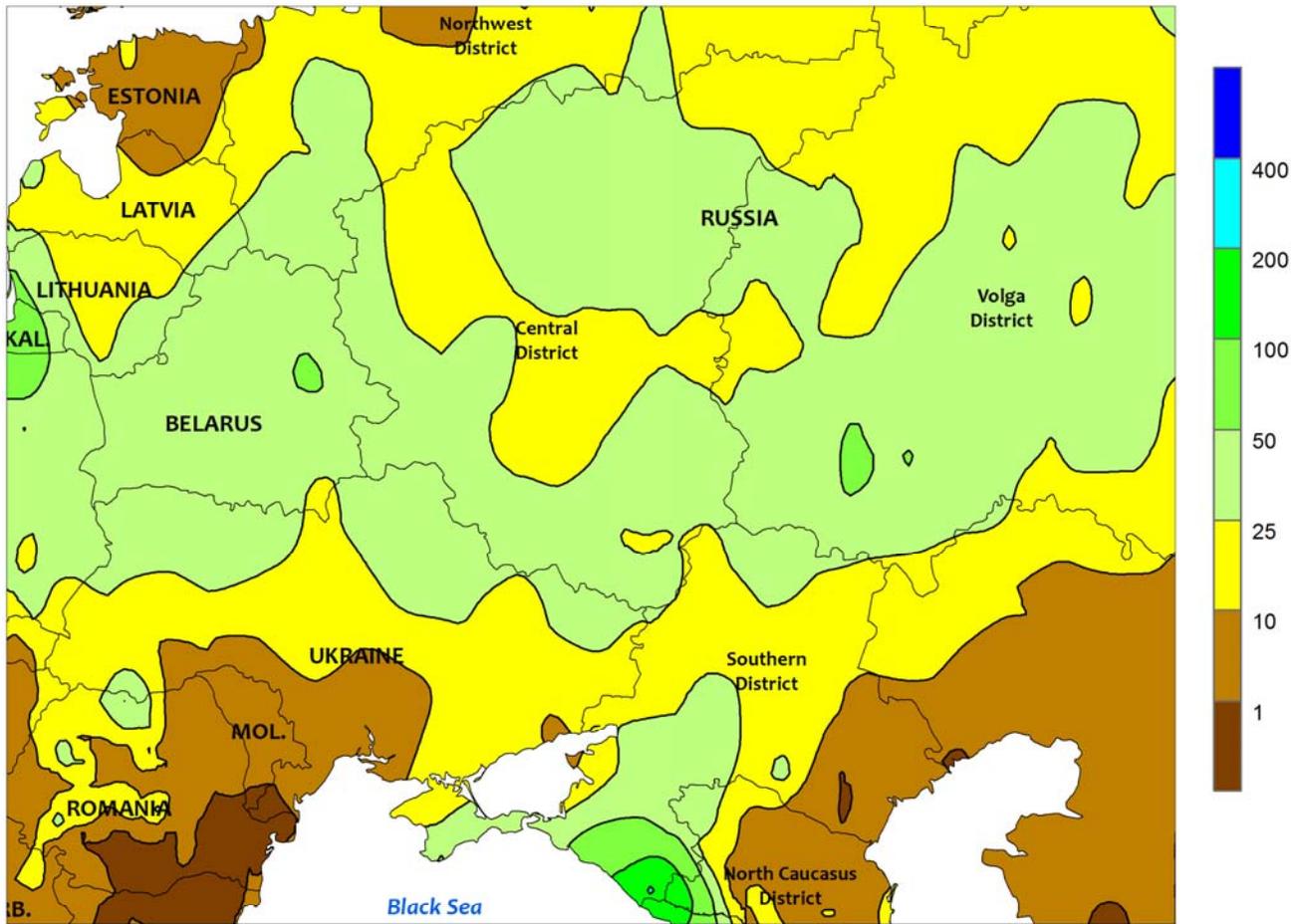


**EUROPE**

Widespread rainfall across northeastern Europe maintained saturated soils and hampered fieldwork, while early-week dryness gave way to much-needed rain across southwestern growing areas. From eastern Germany into Poland and the Baltic States, locally excessive wetness over the past 60 days (200-350 percent of normal rainfall) has hampered winter wheat and rapeseed planting, with another round of moderate to heavy rain during the past week (10-70 mm) further impeding late sowing efforts and keeping fields waterlogged. Drier weather (less than 10 mm) returned to the Balkans, benefiting winter crop development following an excessively wet October. Across the remainder of western and southern Europe, dry

weather early in the period was followed by locally heavy showers by week's end. The rain was especially welcomed in drought-stricken Portugal and Spain, where 60-day precipitation had totaled a meager 10 to 25 percent of normal prior to this week's rain. While the showers (10-50 mm) provided much-needed topsoil moisture for winter grain planting and emergence, more rain will be needed to completely alleviate the impacts of this year's drought in these locales. Farther north, short-term dryness (25-70 percent of normal rainfall over the past 30 days) in northern France and southeastern England was eased by late-week showers (2-25 mm), maintaining favorable conditions for winter crop establishment.

WESTERN FSU  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017



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

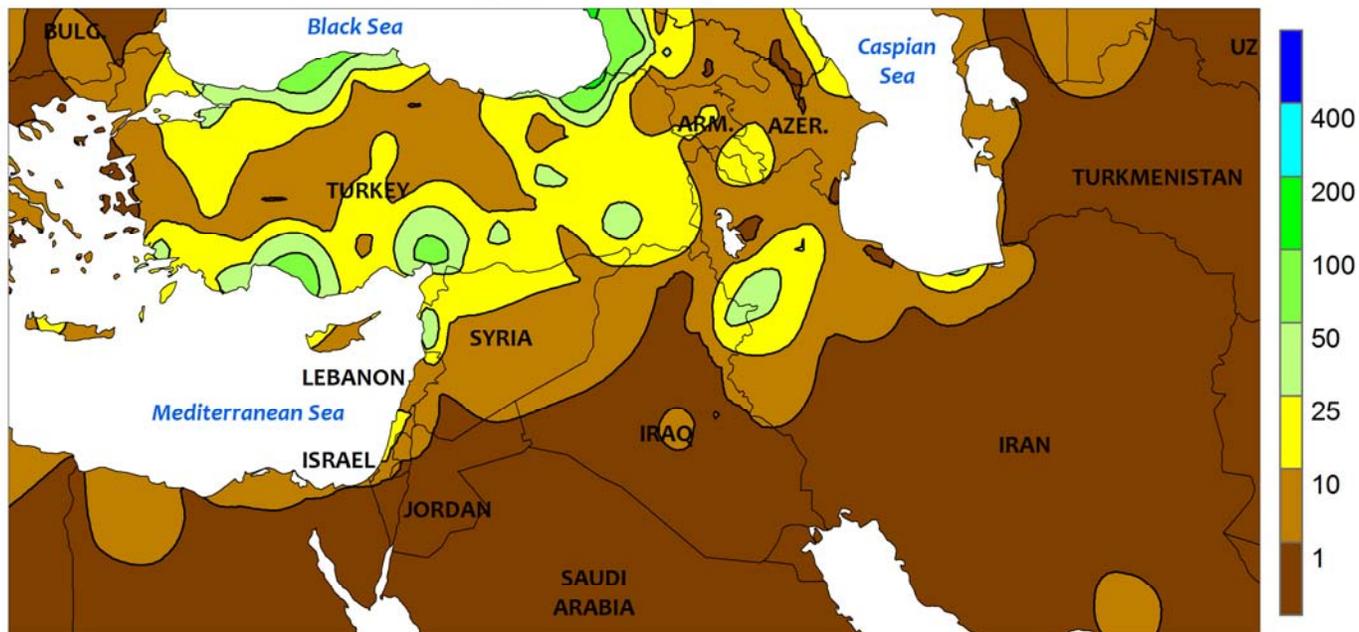


**WESTERN FSU**

Additional rainfall boosted moisture reserves for winter wheat across the region. From central Ukraine into southern Russia, 10 to 50 mm of rain (locally more) continued a month-long wet trend, alleviating the last vestiges of autumn drought and vastly improving prospects for winter wheat establishment. Temperatures during the period averaged near to slightly above

normal, allowing wheat to add vegetative growth. The southern extent of winter wheat dormancy (as indicated by weekly average temperatures at or below 5°C) stretched from northern Ukraine into the southern Volga District at week's end, indicating wheat in the region's primary southern growing areas was still vegetative.

MIDDLE EAST  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017



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

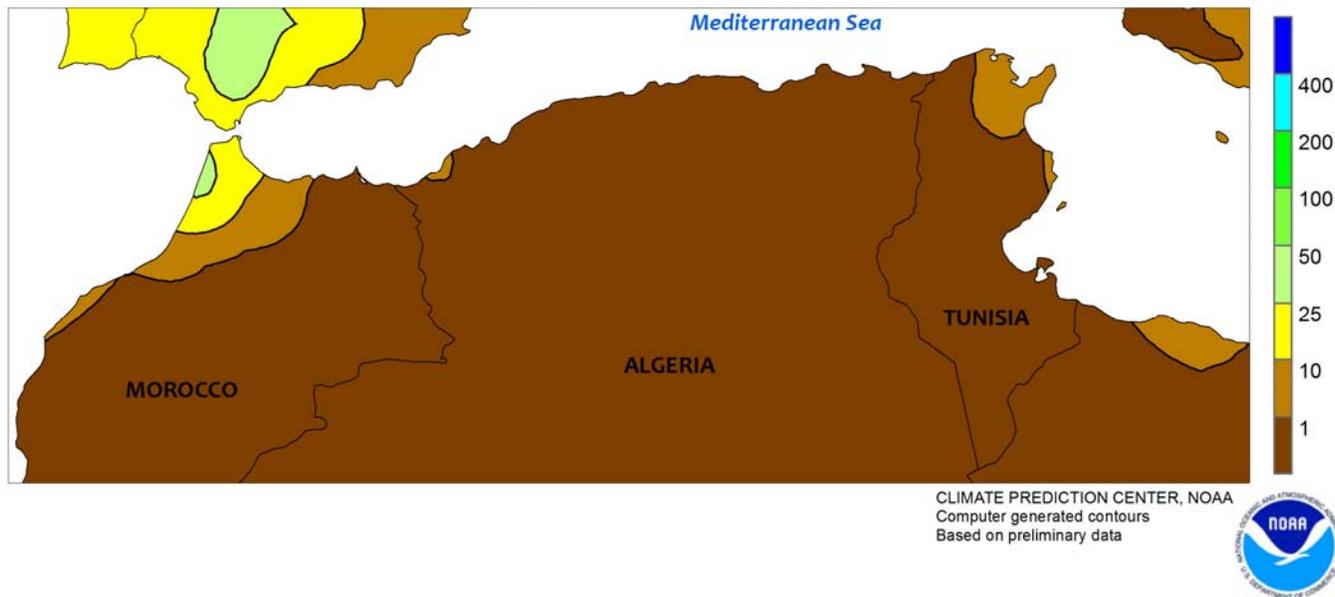


#### MIDDLE EAST

Beneficial rain expanded across Turkey and the eastern Mediterranean Coast, while dry, hotter-than-normal weather prevailed elsewhere. A pair of storms provided welcomed albeit highly variable rainfall (5-90 mm) to Turkey, Syria, and the immediate Mediterranean Coast, improving prospects for winter grain establishment following early-

autumn drought. Across Iraq and Iran, late-season heat (3-8°C above normal) and sunny skies promoted fieldwork but kept soils devoid of moisture for winter grain planting and establishment. Heat was most prevalent across southern portions of Iraq and Iran (35-40°C), which likely further discouraged any early winter grain sowing.

NORTHWESTERN AFRICA  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017

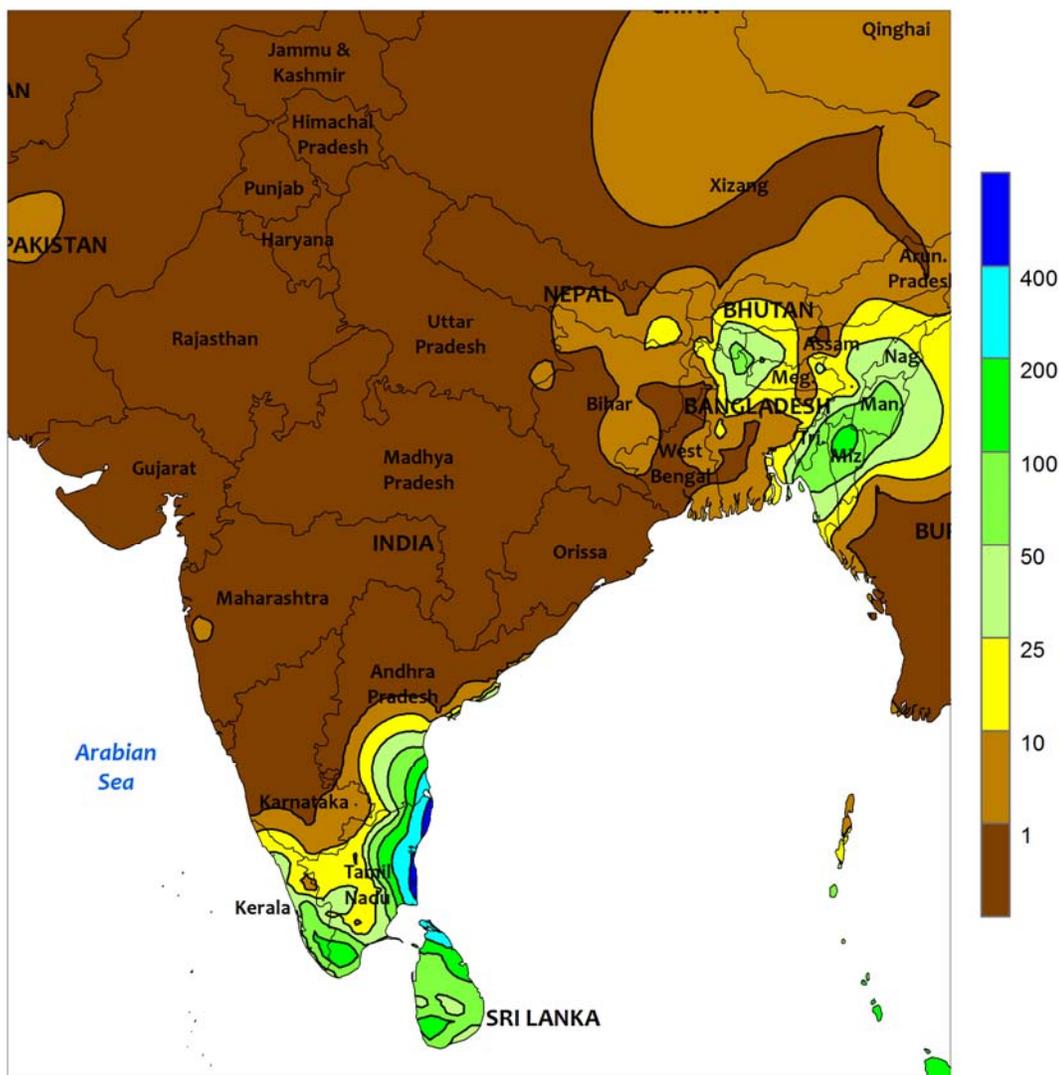


**NORTHWESTERN AFRICA**

Early-season drought left soils devoid of moisture for winter grain planting in western growing areas. From Morocco into central Algeria, rainfall since September 1 has totaled 10 to 50 percent of normal, with the driest conditions (locally less than 10 percent) in southwestern Morocco. However, light albeit

much-needed rain (2-10 mm, locally more) grazed northernmost wheat and barley areas in Morocco and Algeria, providing some topsoil moisture for planting. Prospects for crop establishment are better in northern Tunisia due to near-to above-normal rainfall during October.

SOUTH ASIA  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017



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

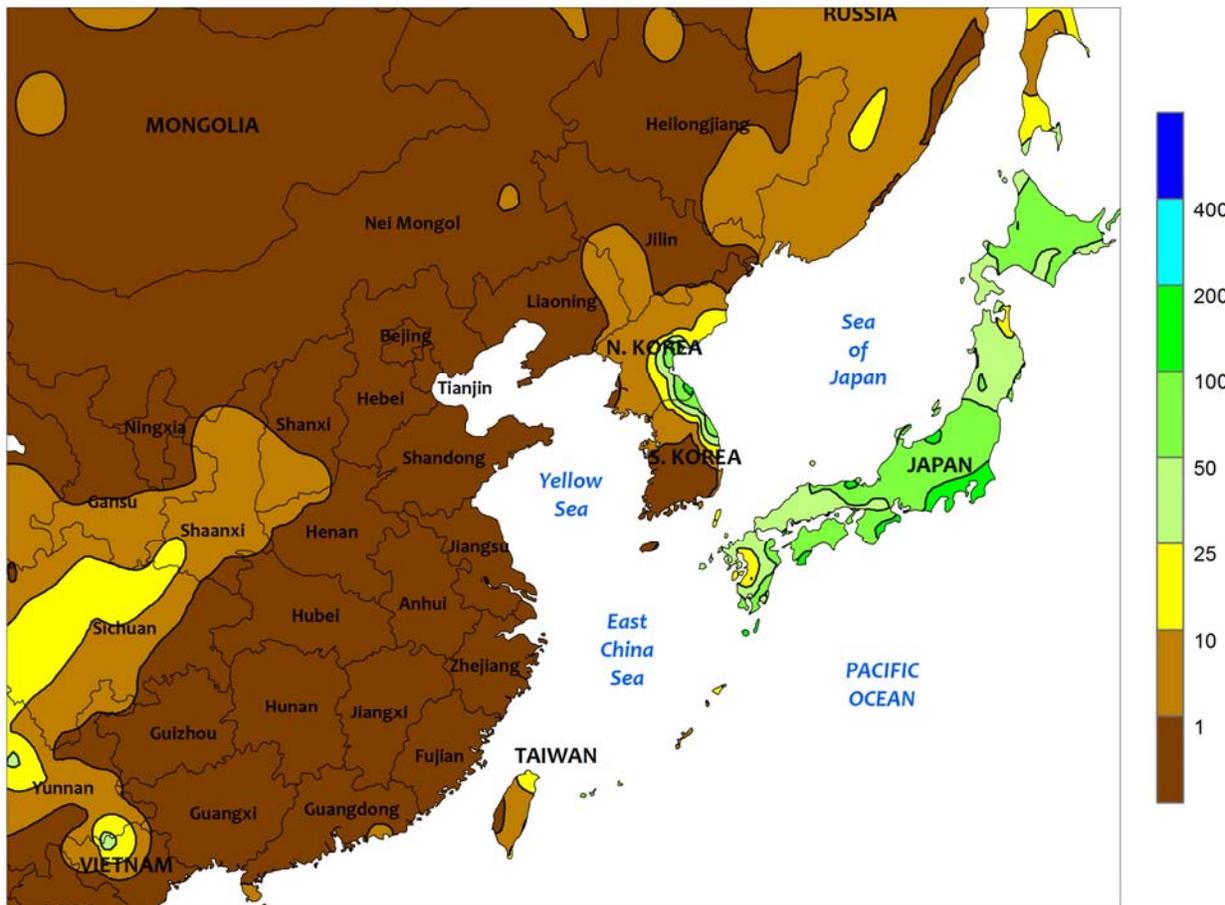


### SOUTH ASIA

Heavier-than-usual showers (locally over 400 mm) in southwestern India (Tamil Nadu and environs) resulted in flooding mainly within areas close to the coast. The deluge occurred outside major crop areas and had only a minor impact on summer (kharif) crop harvesting and winter (rabi) crop sowing. The remainder of India was seasonably hot (30-35°C) and dry, facilitating maturation

and drydown of cotton, oilseeds, and other summer crops. The conditions also allowed wheat and rapeseed sowing in the north and northwest to gain momentum. In other parts of the region, beneficially drier weather in Bangladesh eased excessive wetness for ripening summer (aman) rice, while 50 to over 100 mm of rain in Sri Lanka supported winter (maha) rice establishment.

EASTERN ASIA  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017



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

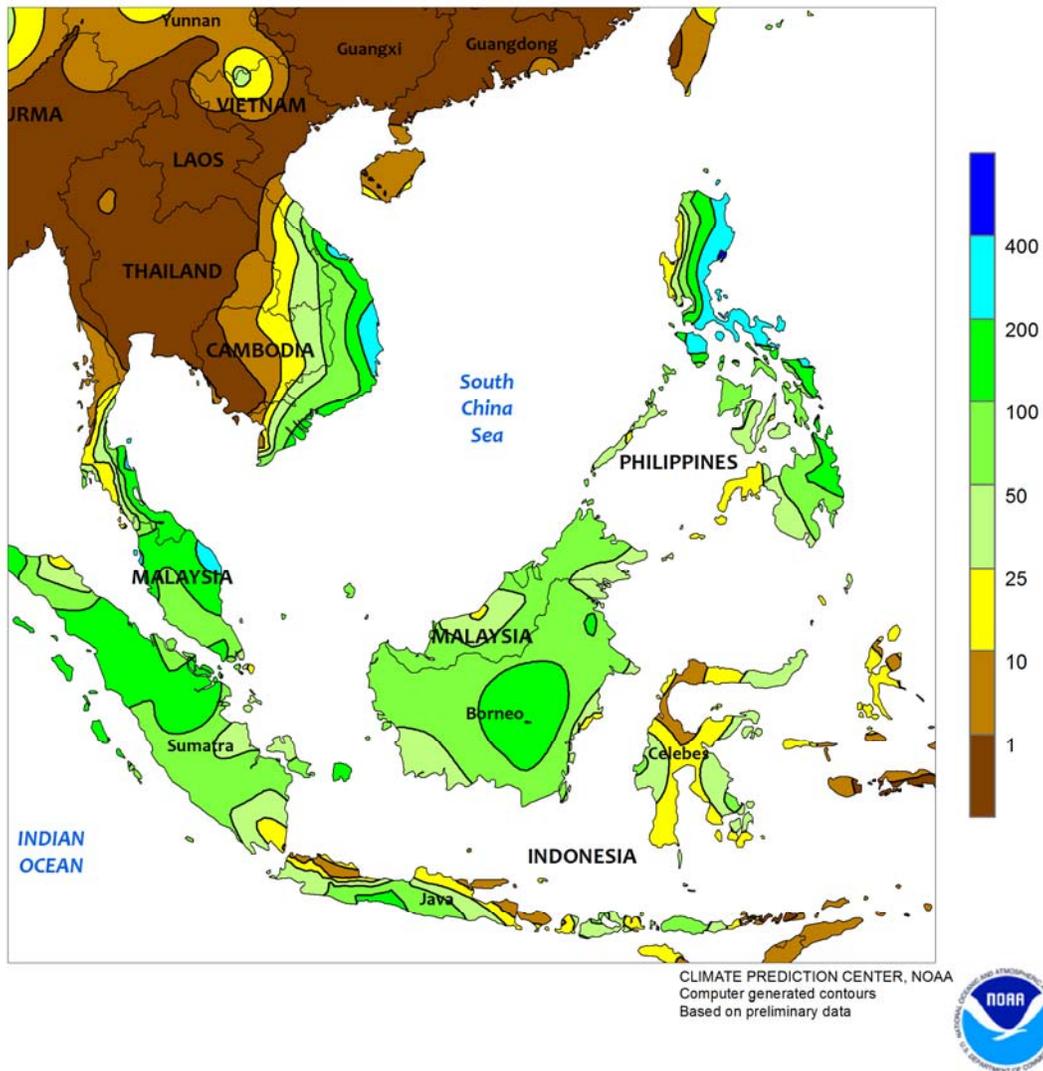


**EASTERN ASIA**

Dry weather across eastern China facilitated the completion of winter wheat and rapeseed planting. Despite the recent dryness, soil moisture and irrigation reserves remained favorable for crop emergence and establishment. In addition, temperatures continued to be seasonable (average temperatures between 10-

15°C) throughout winter crop areas, with nighttime lows dropping below freezing in northern-most areas and higher elevations. Meanwhile, heavier-than-usual showers (25-100 mm or more) across Japan further slowed rice harvesting, as beneficially dry weather in the Koreas aided rice harvesting.

SOUTHEAST ASIA  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017

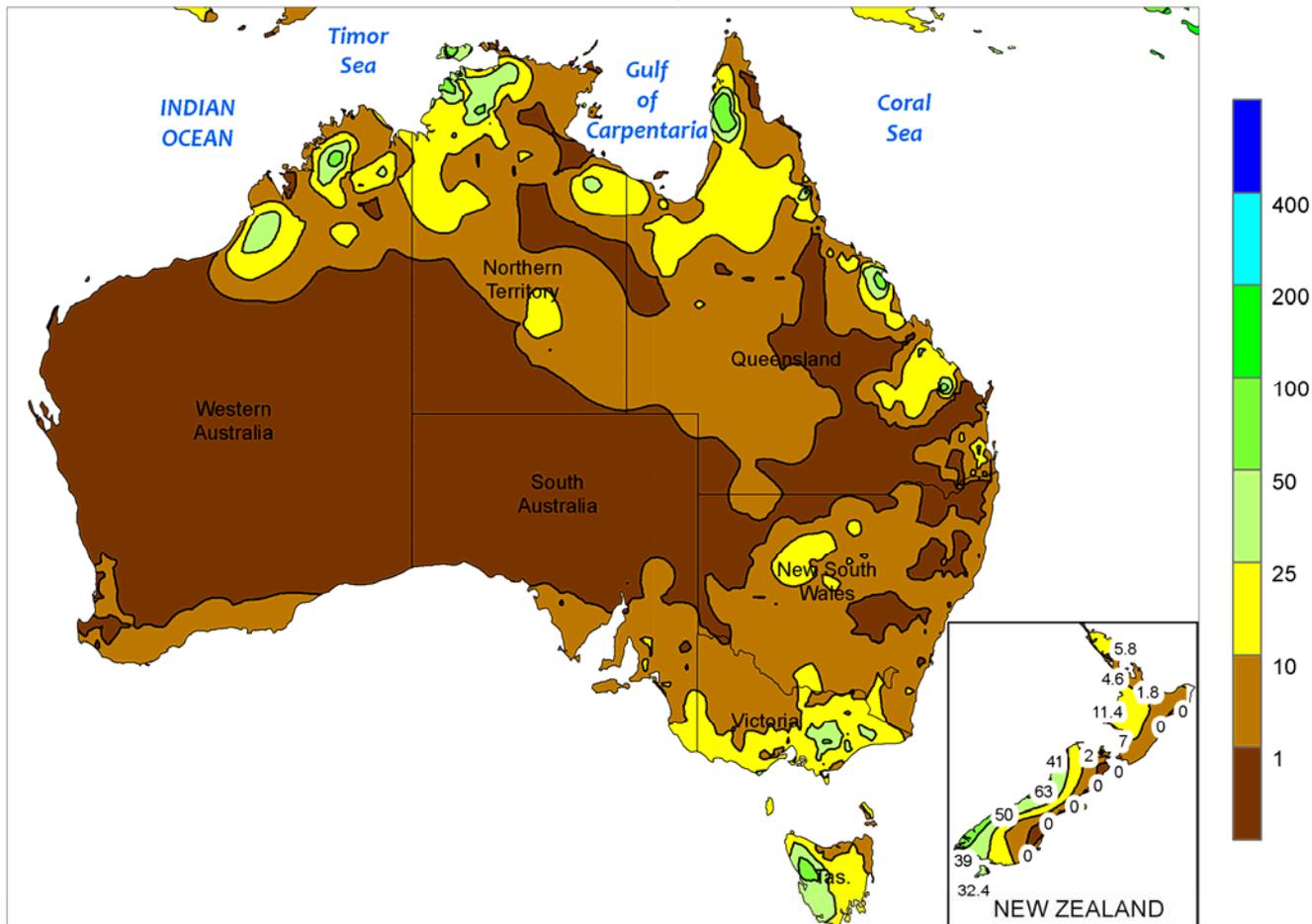


**SOUTHEAST ASIA**

Typhoon Damrey formed near the Philippines early in the period and spawned flooding rainfall in the north. Over 200 mm of rain in much of Luzon delayed summer rice harvesting as well as winter rice sowing, with minor damage likely. Damrey proceeded to cross the South China Sea and made landfall in central Vietnam, causing flooding there as well. In Vietnam, the torrential rainfall

(over 200 mm) occurred outside major rice producing areas but delayed the final stages of coffee harvesting in the Central Highlands. Seasonably dry weather in the remainder of Indochina aided rice harvesting and dry season sowing. To the south, widespread showers in Malaysia and Indonesia maintained or boosted soil moisture and irrigation reserves for oil palm and rice.

AUSTRALIA  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017



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

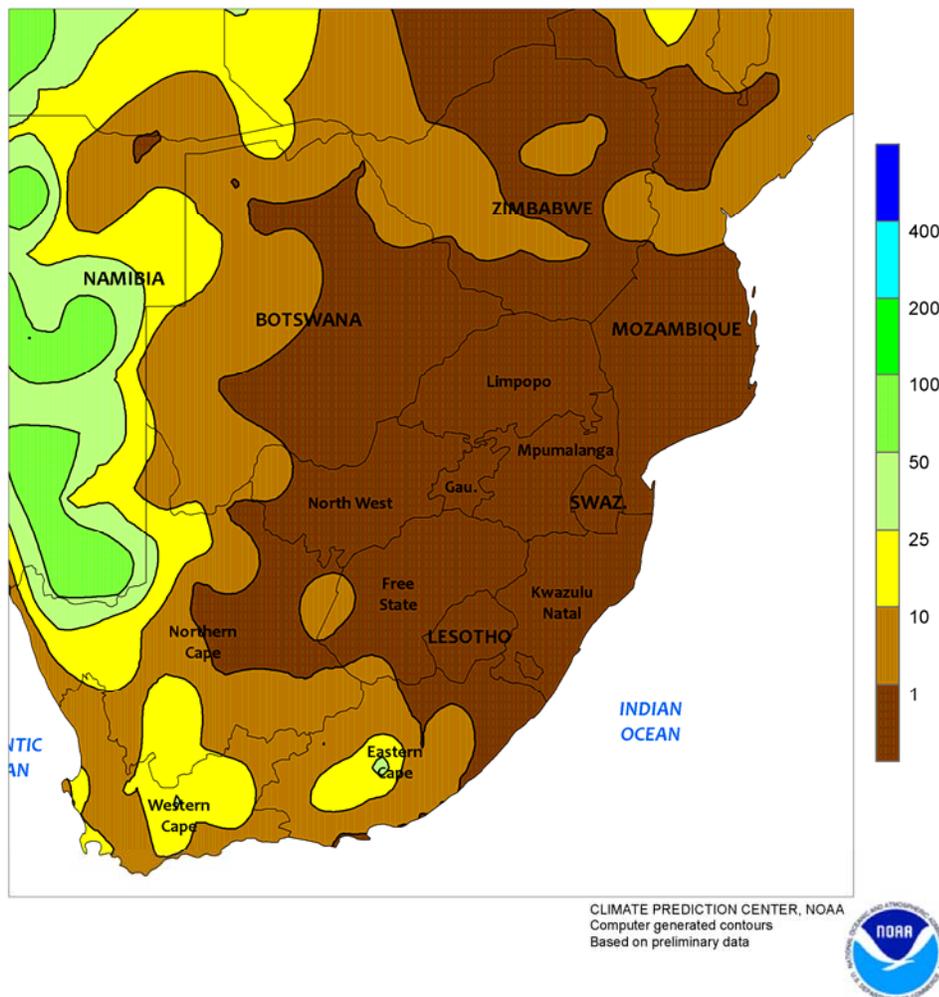


**AUSTRALIA**

In southern Queensland and much of New South Wales, isolated showers (2-10 mm) maintained local moisture supplies for recently-sown summer crops. Dry weather covered much of this area, however, spurring additional cotton and sorghum planting while aiding drydown and harvesting of wheat and other winter crops. In southeastern Australia, rain (5-20 mm) along the southern tier of the wheat belt maintained yield prospects for immature winter grains and oilseeds. Elsewhere

in the southeast, mostly dry weather (generally less than 5 mm) benefited filling to maturing winter grains and oilseeds and promoted initial harvesting. Similarly, dry weather in Western Australia helped wheat, barley, and canola maturation and harvesting. Temperatures in Western Australia averaged near normal. In contrast, warmer-than-normal weather (temperatures averaging 1-3°C above normal) in southern and eastern Australia accelerated crop development.

SOUTH AFRICA  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017

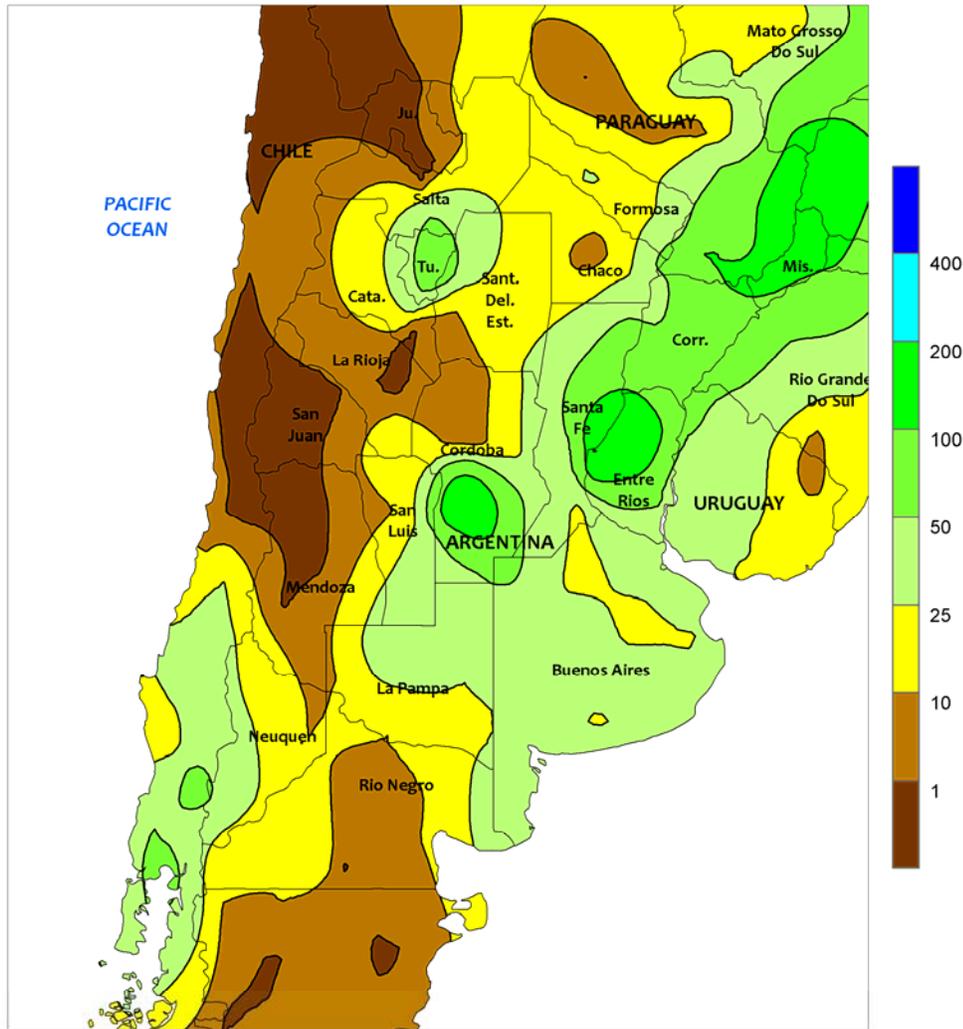


### SOUTH AFRICA

Dry weather dominated a large part of the region, supporting fieldwork that included corn planting. Virtually no rain fell from North West and Free State eastward through Mpumalanga, as well as in neighboring locations of Limpopo and KwaZulu-Natal. Weekly temperatures averaged near to slightly above normal across the aforementioned area, with daytime highs ranging from the middle and upper 20s (degrees C) in eastern production areas (southern Mpumalanga) to the lower and middle 30s farther west. Planting typically advances westward with time and should be in full swing in eastern areas having

received adequate moisture. Elsewhere, unseasonable warmth (daytime highs reaching the middle 30s) and dryness reduced moisture for rain-fed sugarcane in southern KwaZulu-Natal; summer warmth boosted growth rates of primarily irrigated crops in northern KwaZulu-Natal and eastern Mpumalanga. Farther west, hot weather (highs reaching the upper 30s) spurred rapid development of corn, cotton, and other irrigated summer crops in the Orange River Valley. Meanwhile, scattered showers (5-25 mm) provided an unexpected boost in moisture reserves for tree and vine crops in and around Western Cape.

ARGENTINA  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017



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

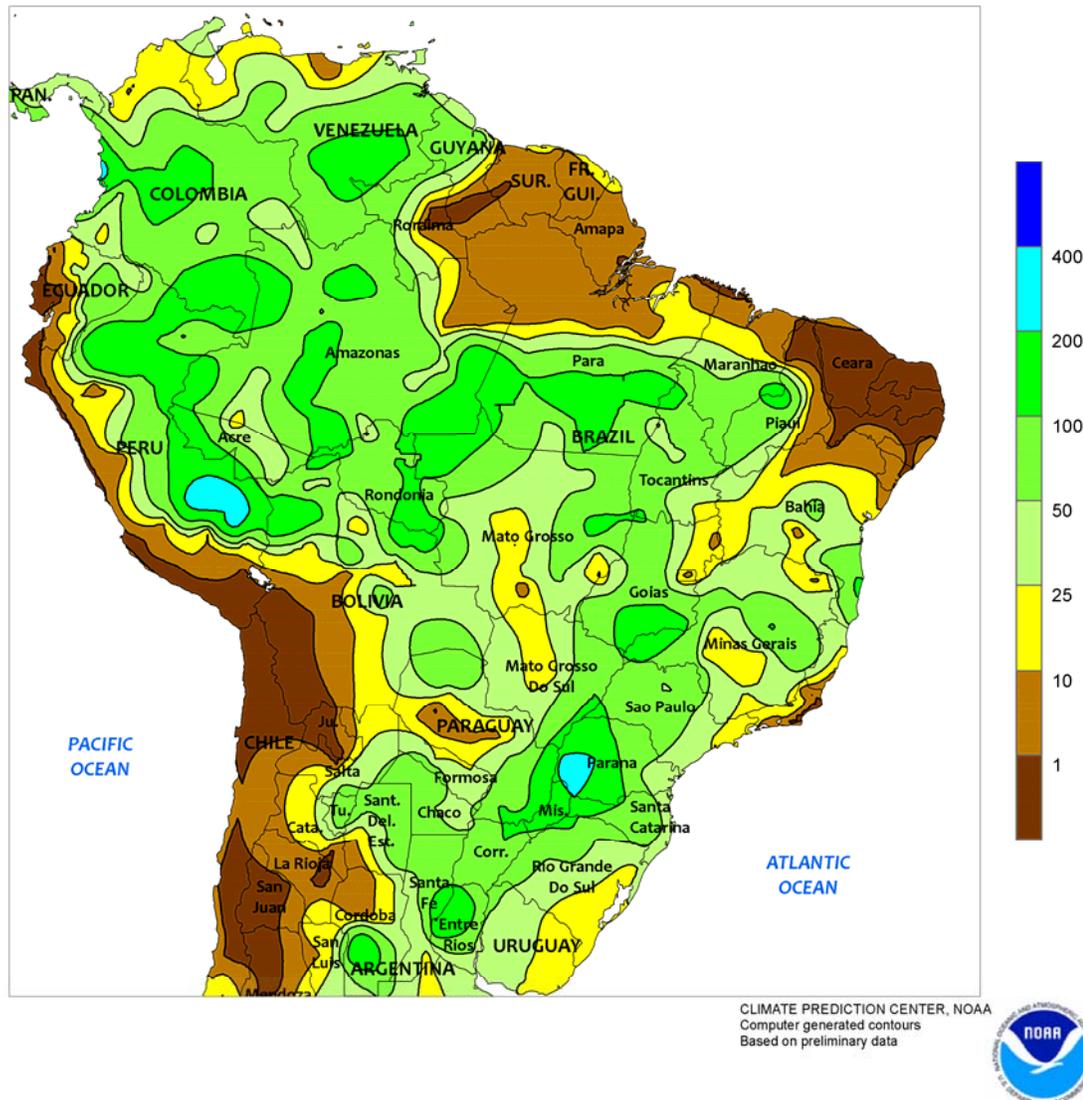


**ARGENTINA**

Widespread, locally heavy showers maintained adequate to abundant levels of moisture for germination and establishment of summer crops. The heaviest rainfall (greater than 50 mm) was concentrated over the northeast, renewing concerns for ponding in low-lying fields in the Parana River Valley (notably Entre Rios and Santa Fe). Moderate to heavy showers (15-35 mm) also continued over sections of Buenos Aires, La Pampa, and Cordoba, slowing planting of corn and other summer crops but maintaining overall favorable levels of moisture. Farther north, scattered

showers (locally greater than 10 mm) moistened topsoils for germination and establishment of later-planted summer crops, including cotton, as well as development of earlier-planted winter grains and sunflowers. Weekly temperatures averaged near to above normal in Argentina's northern and eastern farming areas, with daytime highs reaching the upper 30s (degrees C) in the far north. Temperatures averaged within 1°C of normal in most southwestern agricultural districts (in and around La Pampa), with nighttime lows falling to 5°C in some of the colder locations.

BRAZIL  
Total Precipitation (mm)  
OCT 29 - NOV 4, 2017



### BRAZIL

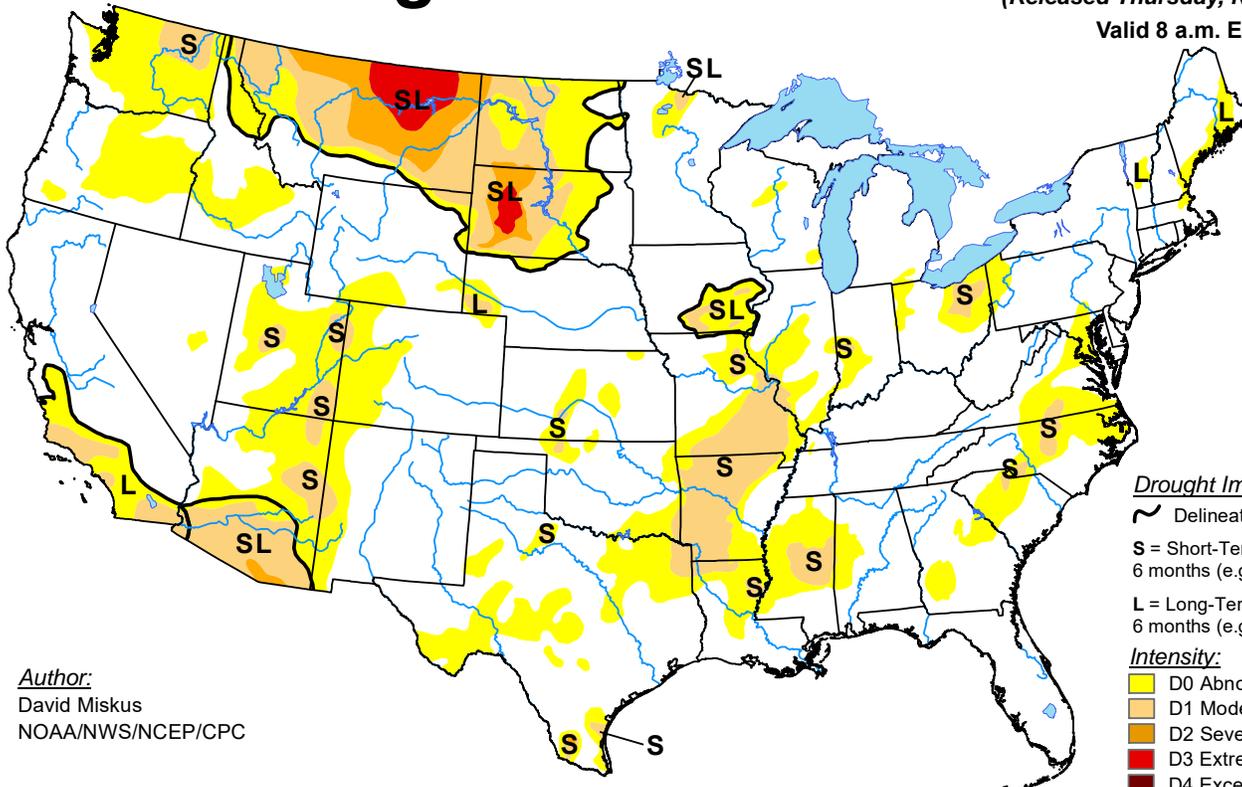
Widespread, locally heavy showers provided timely moisture for soybeans and other summer row crops in key production areas of central and northeastern Brazil. Rainfall totaled more than 50 mm over a large area stretching from Mato Grosso northeastward through Piaui and southern Maranhao, providing farmers in those locations with the first significant planting rain of the season; according to the government of Mato Grosso, soybeans were 65 percent planted as of November 3, an increase of about 20 points from the previous week. Elsewhere, heavy rain (25-100 mm, locally higher) also

fell in previously-dry locations of Goias and northern Minas Gerais but rainfall remained patchy in northeastern Goias and some neighboring locations in western Bahia. Similar amounts continued farther south, maintaining adequate to locally excessive moisture for agriculture. According to Parana's government, soybeans and first-crop corn were 73 and 98 percent planted, respectively, as of October 30; additionally, wheat was 87 percent harvested. The later-planted wheat crop in Rio Grande do Sul was reportedly 35 percent harvested as of November 1.

# U.S. Drought Monitor

October 31, 2017  
(Released Thursday, Nov. 2, 2017)

Valid 8 a.m. EDT



Author:  
David Miskus  
NOAA/NWS/NCEP/CPC

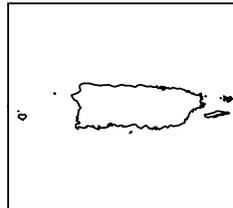
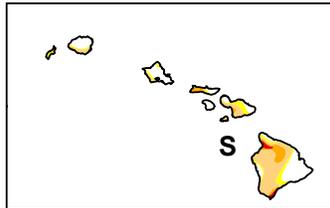
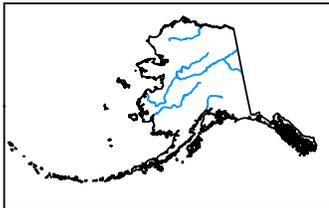
Drought Impact Types:

- ~ 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/>

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