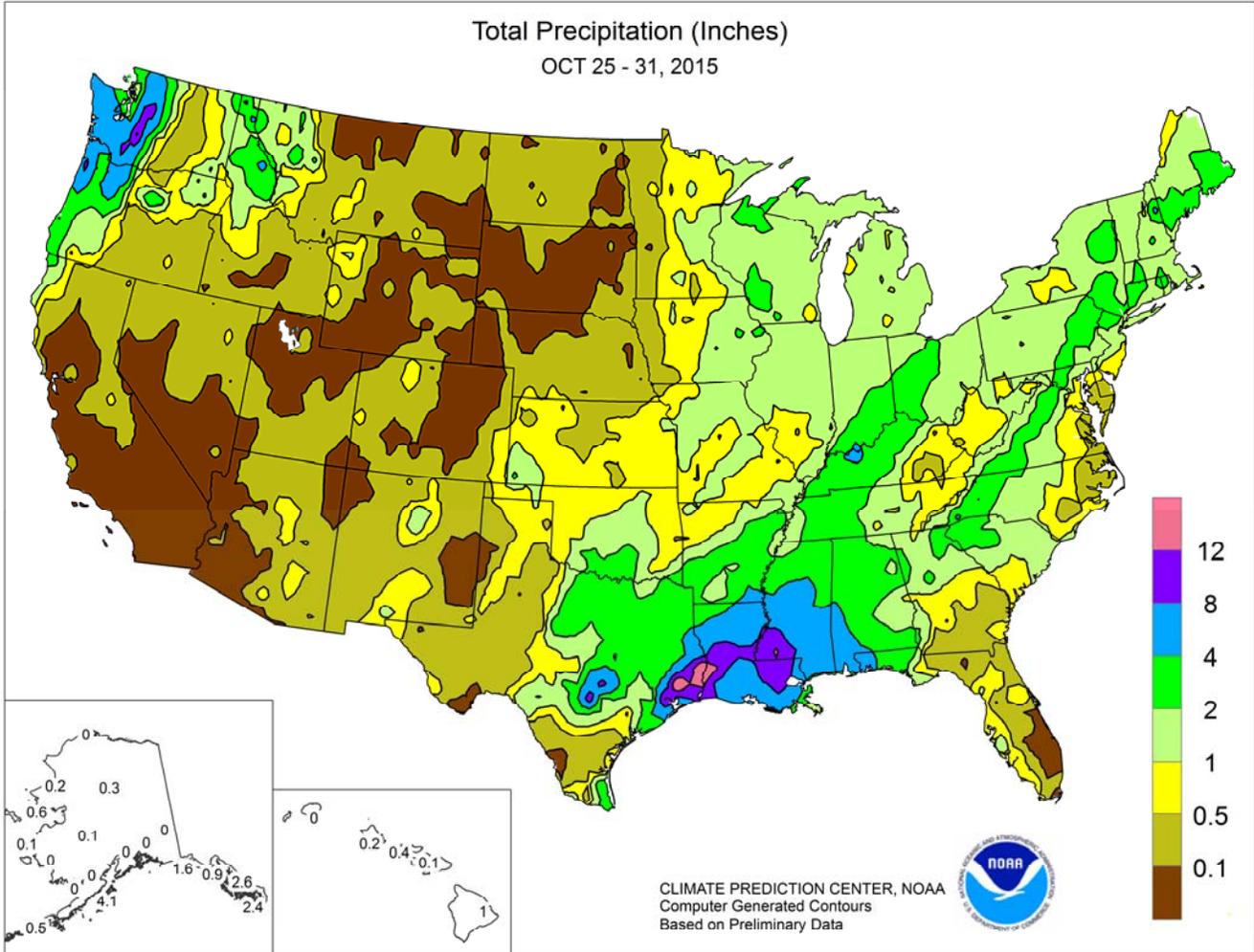


# WEEKLY WEATHER AND CROP BULLETIN



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 25-31, 2015

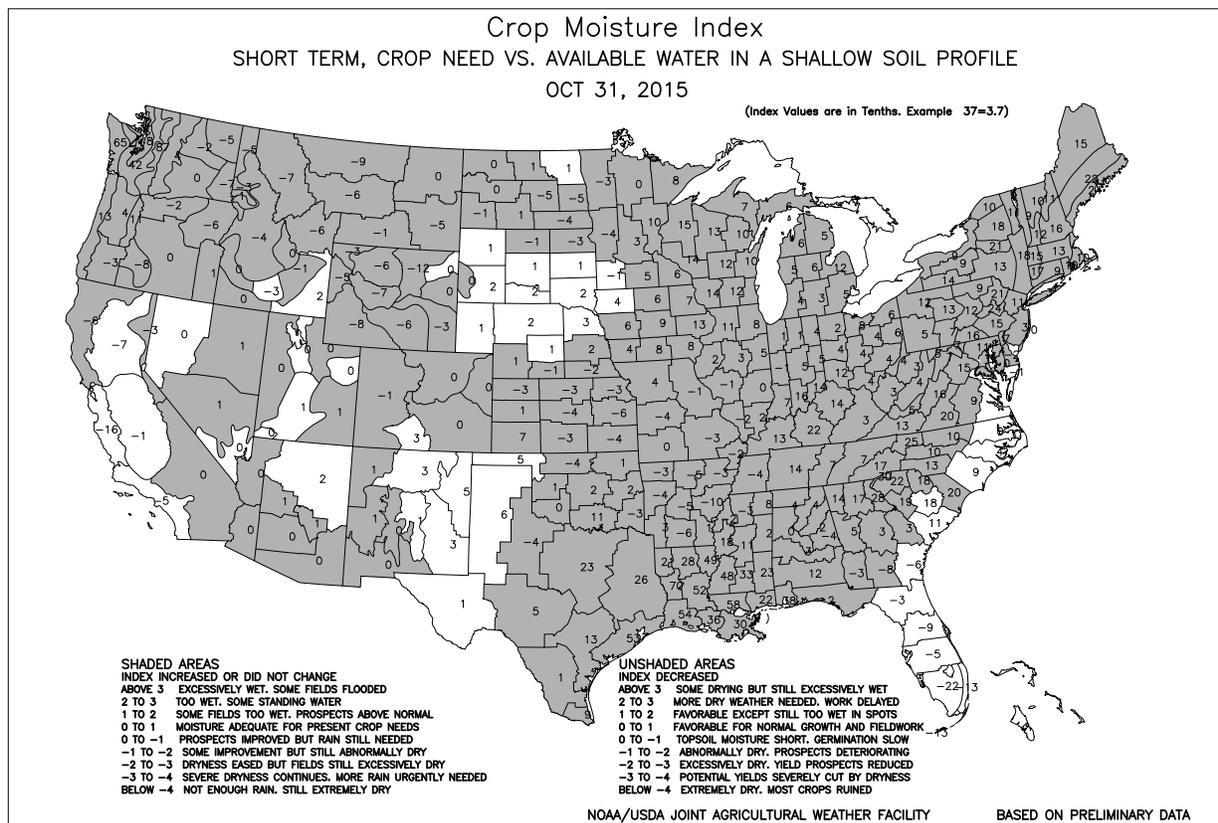
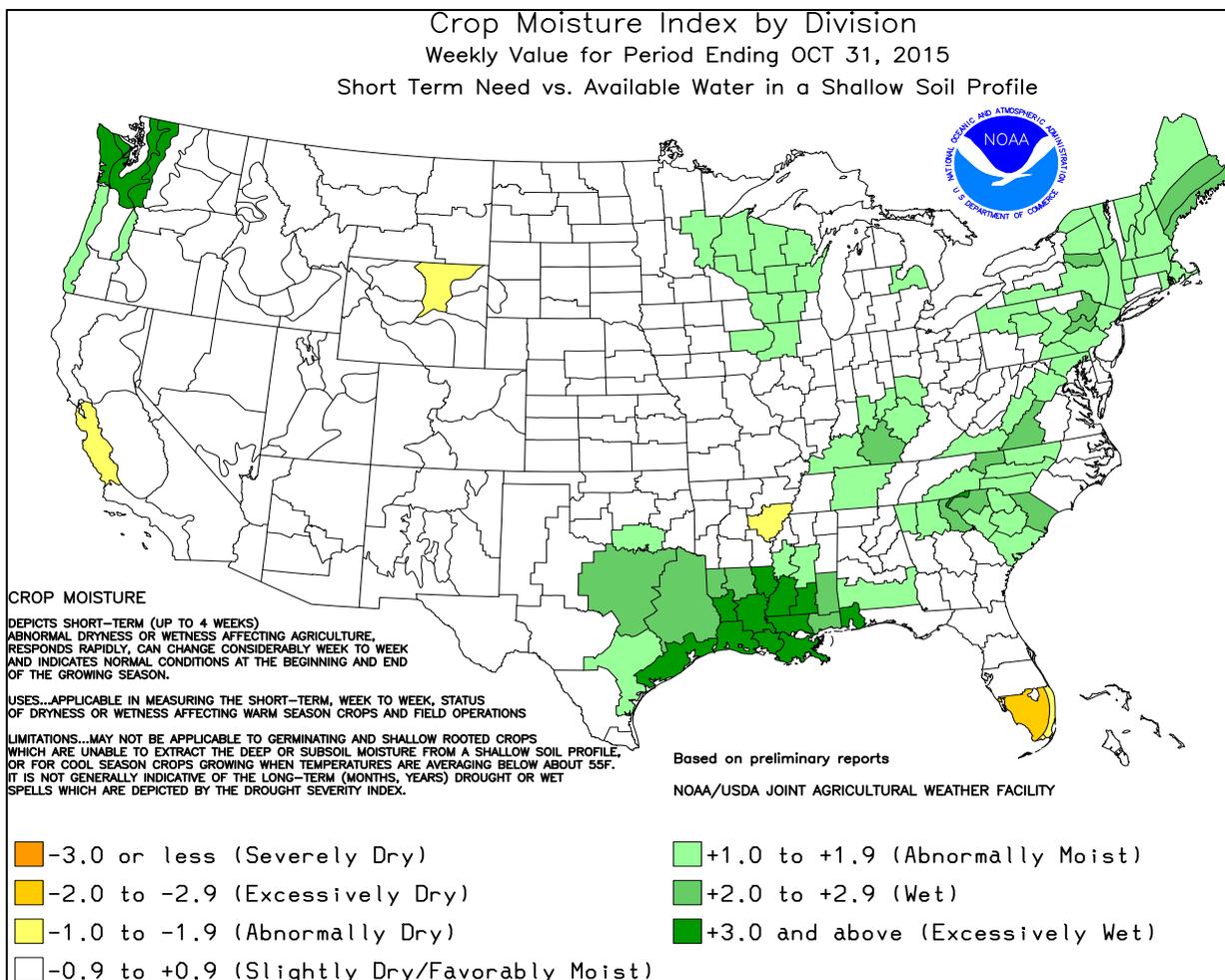
*Highlights provided by USDA/WAOB*

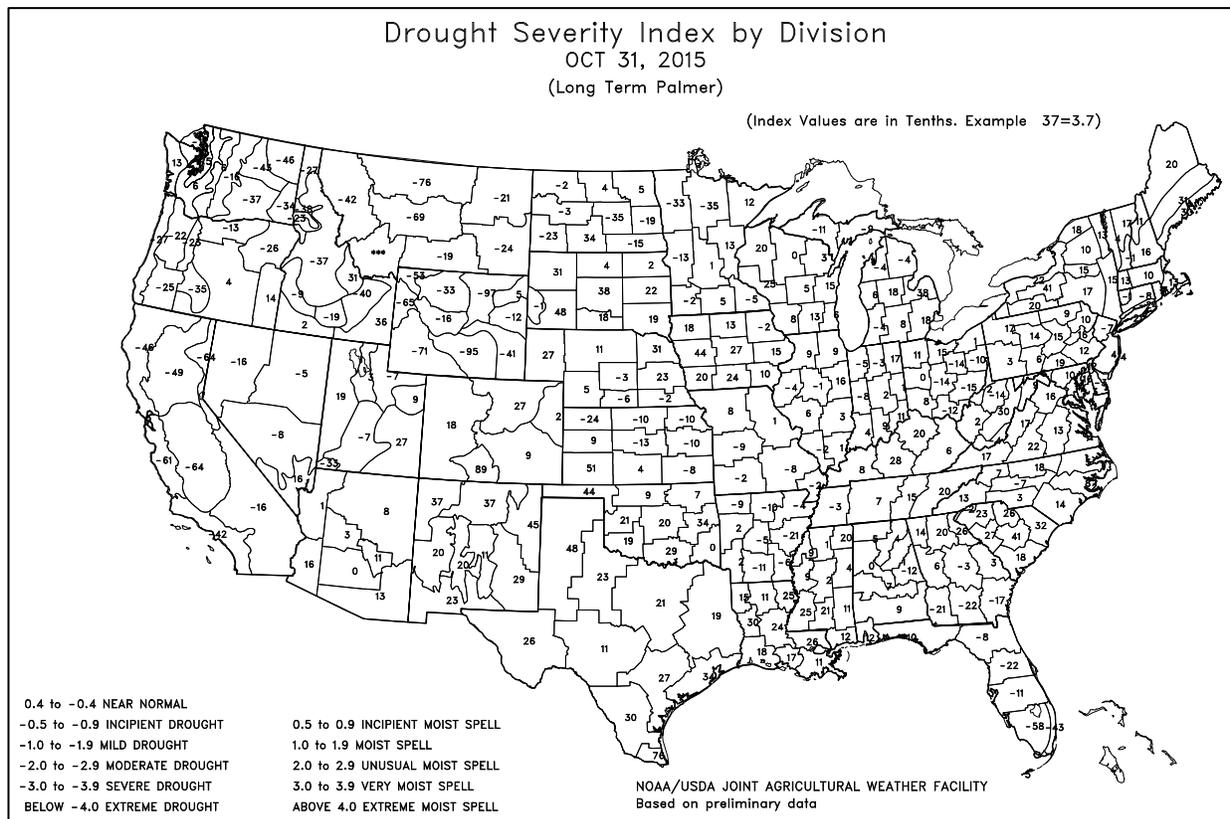
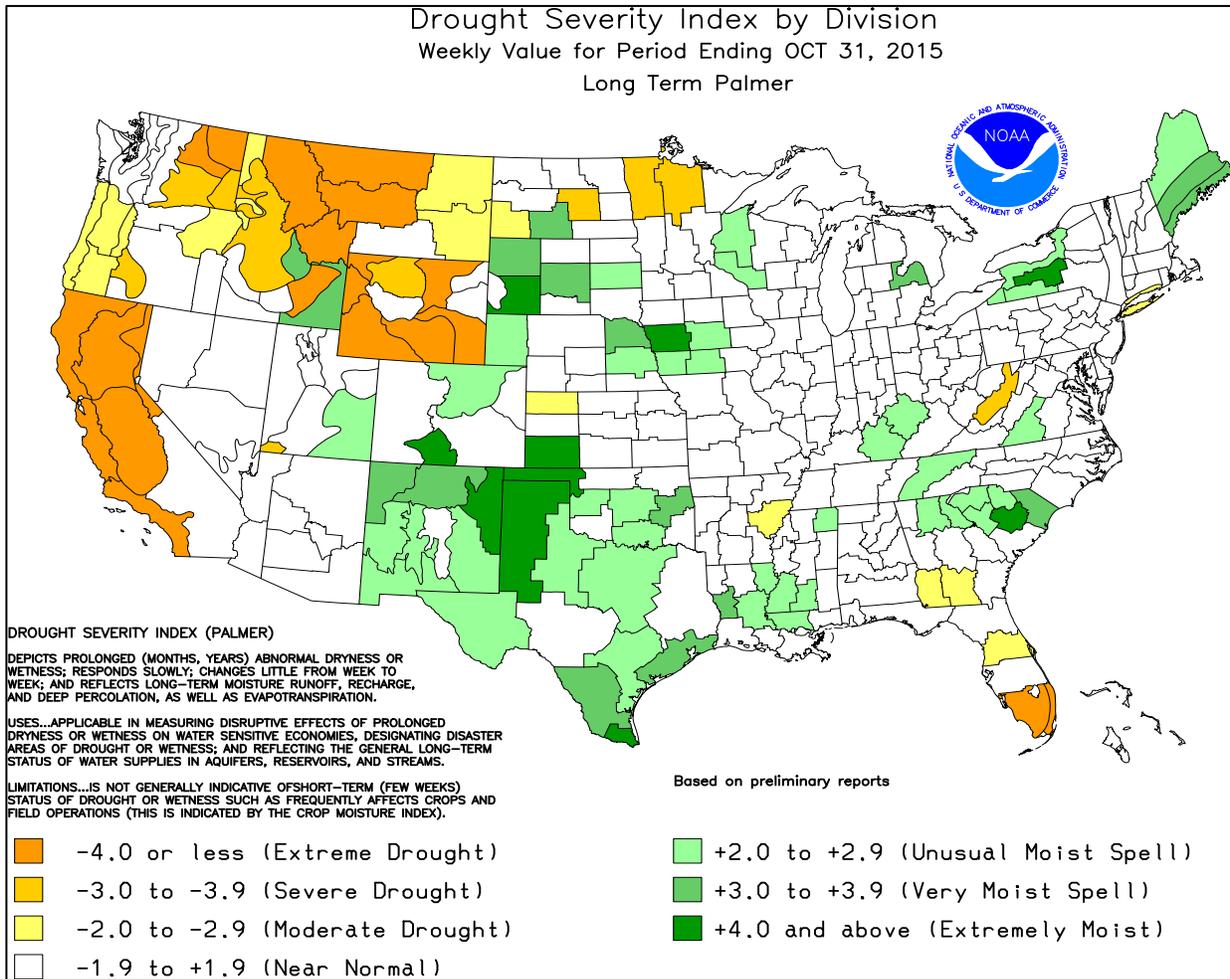
**H**eavy showers swept across the **eastern one-third of the nation** early in the week, then returned to the **south-central and eastern U.S.** toward week's end. In parts of **southern and eastern Texas**, downpours atop the previous week's deluge led to major, late-month flooding. Weekly rainfall totaled 4 inches or more in the **central Gulf Coast region** and parts of **eastern Texas**. Some of the rain fell as the week began, but another round of heavy showers arrived as the month drew to a close. Farther north, late-October showers slowed **Midwestern**

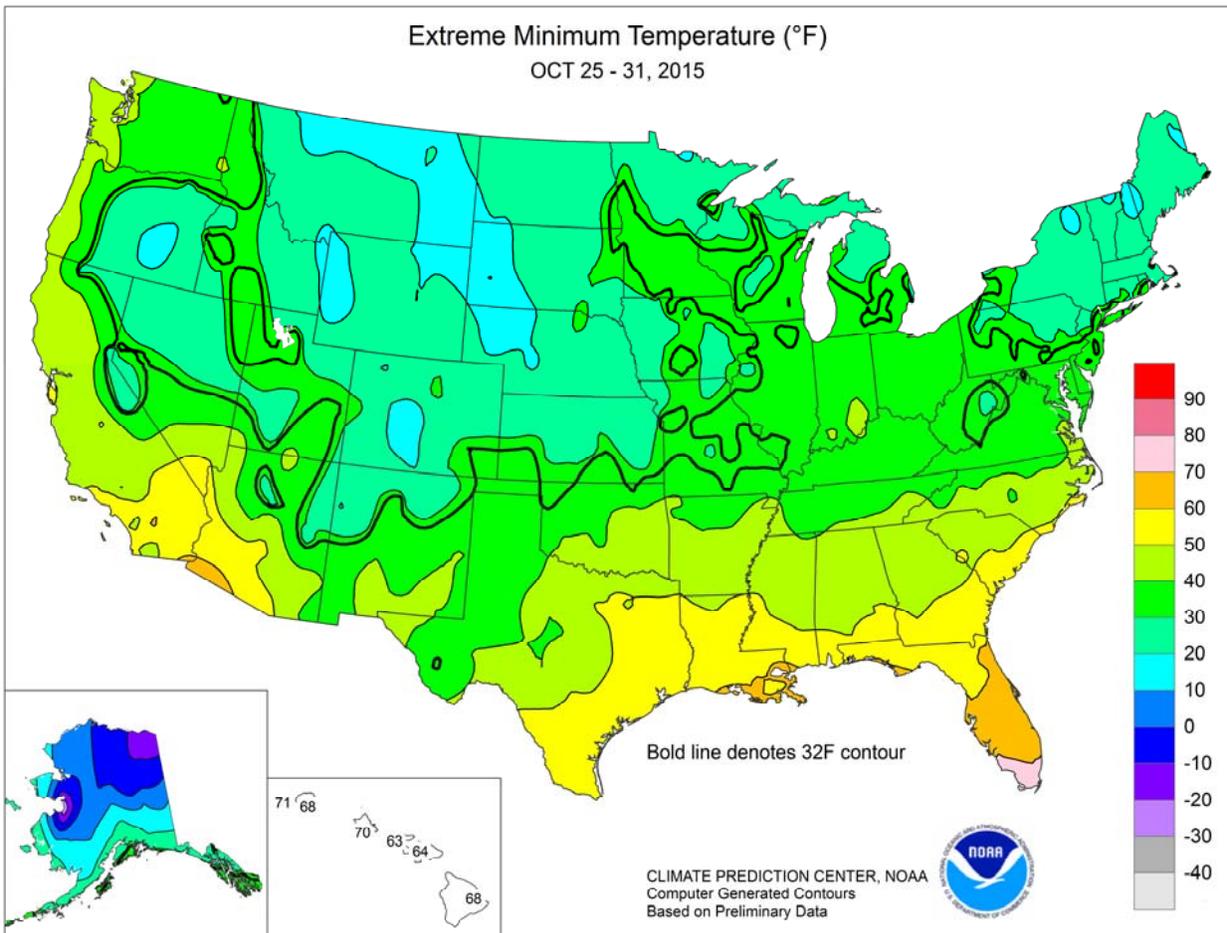
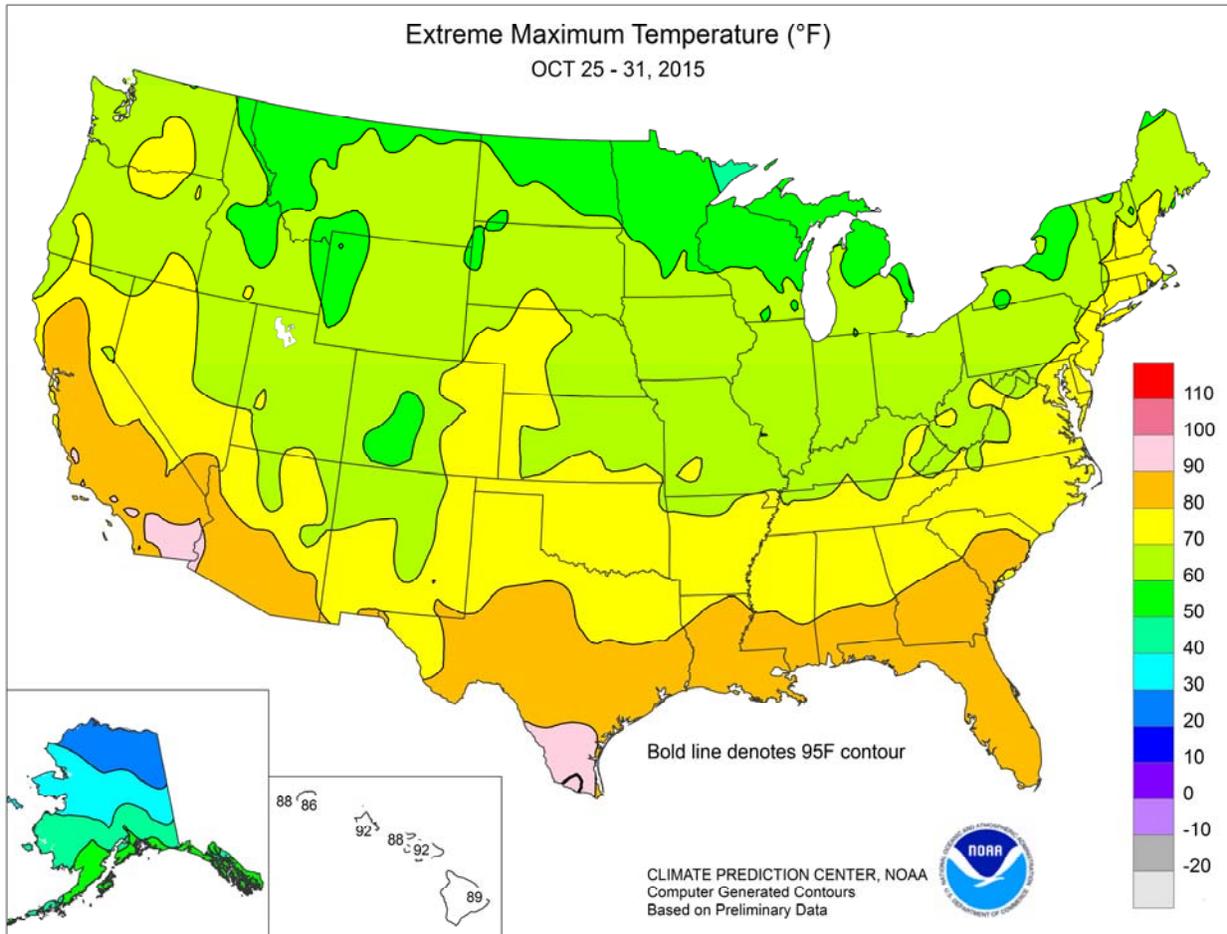
*(Continued on page 5)*

## Contents

Crop Moisture Maps .....	2
Palmer Drought Maps.....	3
Extreme Maximum & Minimum Temperature Maps.....	4
Temperature Departure Map .....	5
October 27 Drought Monitor & <b>U.S. Monthly Drought Outlook</b> .....	6
National Weather Data for Selected Cities .....	7
National Agricultural Summary .....	10
Crop Progress and Condition Tables.....	11
International Weather and Crop Summary & <b>October Temperature/Precipitation Table</b> .....	16
Bulletin Information & <b>California's Wettest and Driest Water Years</b> .....	30



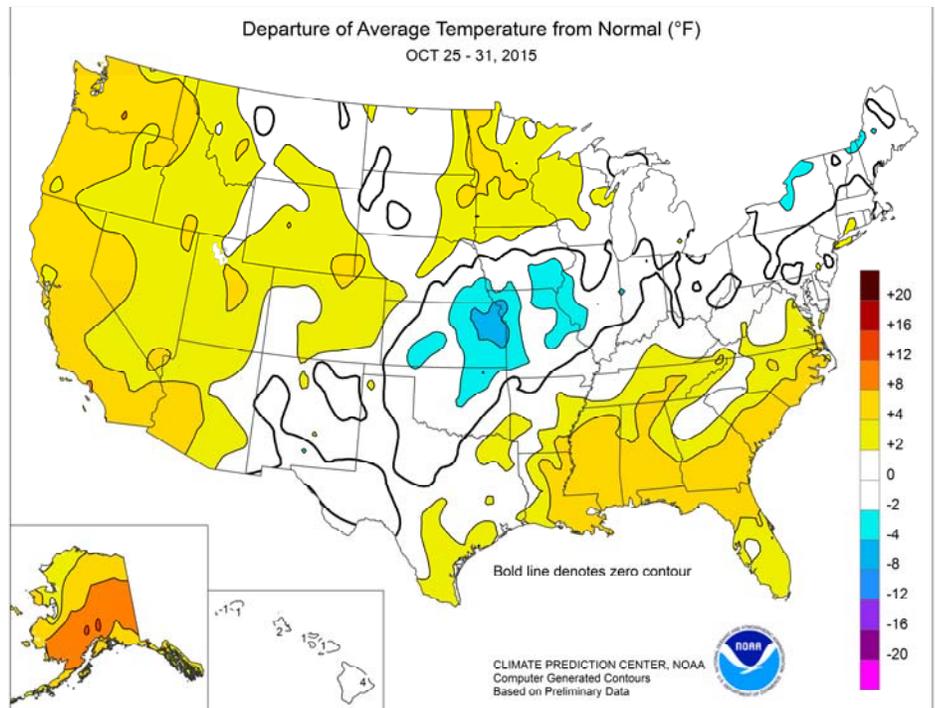




(Continued from front cover)

fieldwork, including late-season corn and soybean harvesting. However, the rain also benefited recently planted winter wheat. In contrast, little or no precipitation fell during the last week of October from **California to the northern Plains**, favoring autumn fieldwork. Near- or above-normal temperatures dominated much of the U.S., with late-season warmth especially prominent across the **Southeast** and **Far West**. Cool conditions were mostly limited to the **east-central Plains** and the **western Corn Belt**. Elsewhere, heavy precipitation provided some drought relief from the **Pacific Northwest to the northern Rockies**, while late-week rain helped to ease dry conditions in **east-central Kansas** and environs.

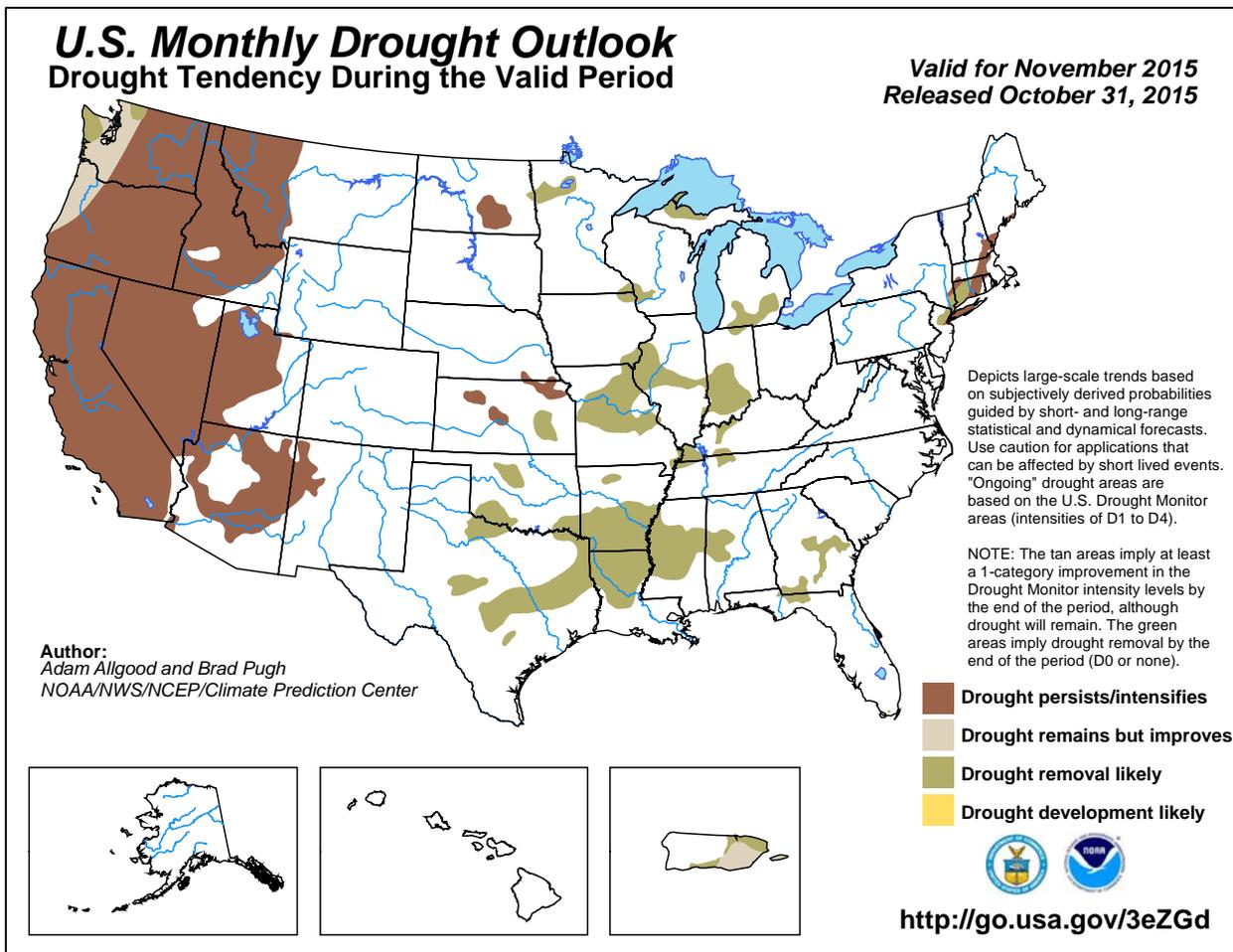
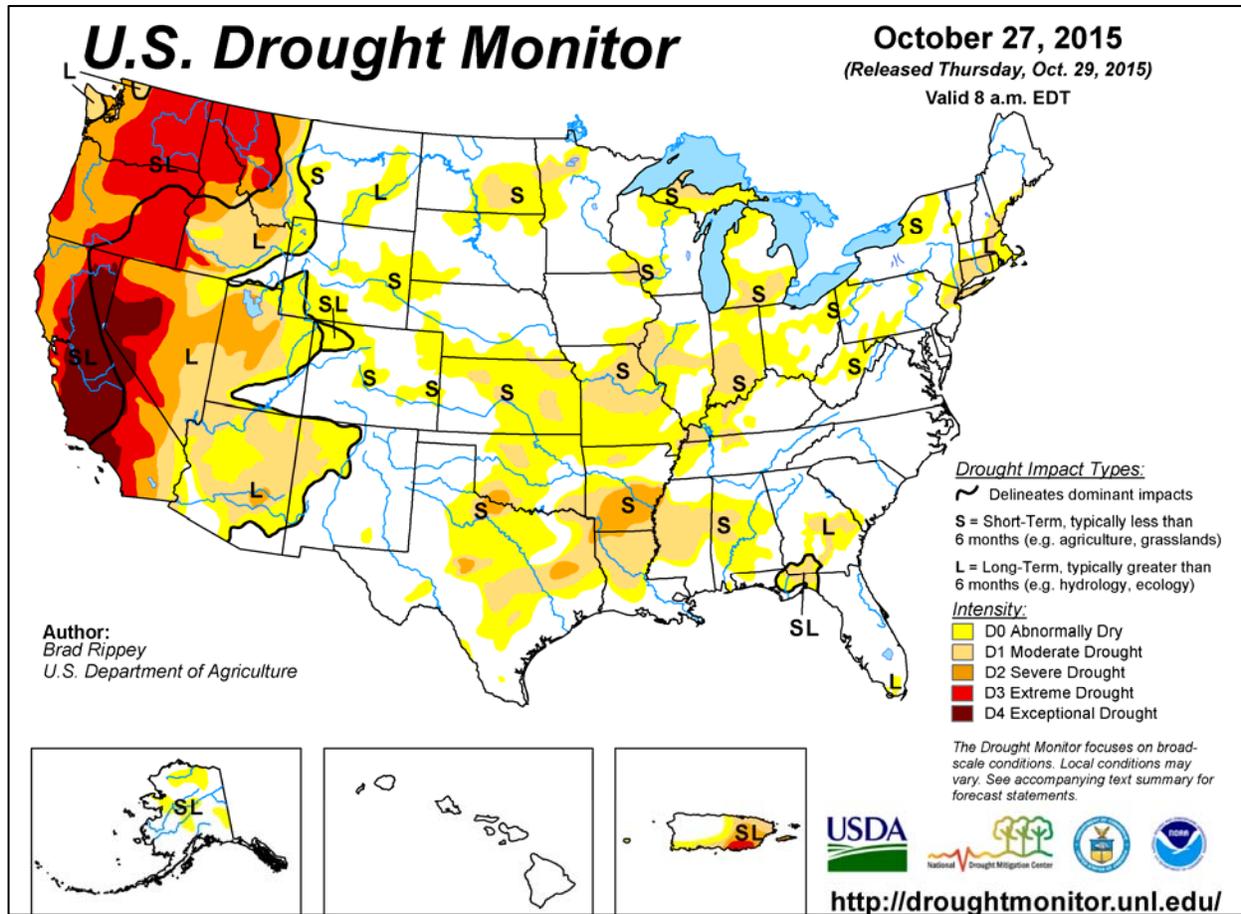
The week began with heavy rain falling in the **central Gulf Coast States**. In **southern Louisiana**, October 24-26 totals reached 10.85 inches in **Baton Rouge** and 8.88 inches in **New Orleans**. Prior to the 24th, neither location had received measurable rainfall in October. October 25 was the fourth-wettest day on record in **New Orleans** (8.67 inches) and **Baton Rouge** (8.60 inches). **McComb, MS**, endured its second-wettest day on record (8.84 inches on October 25), behind only 10.98 inches on October 4, 1964. Farther east, daily-record amounts for October 26 included 5.90 inches in **Pensacola, FL**, and 4.81 inches in **Mobile, AL**. Heavy rain also spread into the **Ohio Valley**, where record-setting amounts for October 27 reached 2.06 inches in **Evansville, IN**, and 1.76 inches in **Louisville, KY**. By October 28, daily-record totals occurred in **Eastern** locations such as **Mt. Pocono, PA** (3.70 inches); **Fort Myers, FL** (2.40 inches); **Dulles Airport, VA** (1.97 inches); and **Glens Falls, NY** (1.94 inches). Precipitation ended as snow showers in parts of the **Great Lakes States**, resulting in a daily-record snowfall (0.2 inch) for October 28 in **Rochester, MN**. During the second half of the week, downpours returned to the **south-central U.S.**—just a week after the October 22-25 deluge. For example, **Austin (Bergstrom), TX**, was inundated by 16.27 inches of rain on October 30-31, following 7.55 inches from October 22-25. Much (14.99 inches) of **Austin's** rain fell on October 30, marking the wettest day on record in that location (previously, 8.70 inches on November 23, 1974). **Austin's** wettest October day had been October 17, 1998, when 6.85 inches fell. Elsewhere in **Texas**, record-setting totals for October 30 included 6.55 inches in **Brownsville** and 2.62 inches in **Abilene**. It was **Brownsville's** second-wettest October day behind only 9.09 inches on October 4, 1996. The last day of October featured daily-record totals in numerous **Deep South** locations, including **Alexandria, LA** (6.10 inches); **New Iberia, LA** (5.27 inches); and **Houston, TX** (5.14 inches). In addition, several tornadoes were reported on October 30-31 from the **western Gulf Coast region to the Mississippi Delta**. Eventually, **Texas** locations such as **Austin** (23.82 inches) and **Waco** (15.19 inches) completed their wettest October and month on record. **Austin's** monthly sum surpassed the 15.59-inch total of June 1981; **Waco's** total exceeded the May 1965 record of 15.00 inches. Following the first wave of heavy rain, antecedent dryness prevented large-scale flooding. Nevertheless, the **Trinity River in Trinidad, TX**, crested 9.45 feet above flood stage on October 25, nearly 7 feet below the level (16.33 feet above flood stage) achieved on June 5, 2015. Farther downstream, the **Trinity River near Oakwood, TX**, crested 14.06 feet above flood stage on October 27, a little more than a foot above the level (12.85 feet above flood stage) recorded on May 30, 2015. The second round of flooding was particularly severe in the **Austin** area, where a record crest (20.89 feet above flood stage) was reported on **Onion Creek near Driftwood, TX**. The high-water mark in this location was 1.29 feet above the former record set on October 17, 1998, and 4.83



feet higher than the peak river level on May 24, 2015. Elsewhere, heavy precipitation arrived across the **Pacific Northwest** at week's end. Record-setting rainfall totals for October 31 reached 2.43 inches in **Troutdale, OR**, and 1.30 inches in **Seattle, WA**.

**Billings, MT**, recorded its first autumn freeze (31°F) on October 28, breaking the record set on October 27, 1940, 1967, and 2006. Meanwhile, unusual warmth persisted in **coastal southern California**, where **Santa Barbara** posted a daily-record high (91°F) on October 28. A large number of locations in **southern California**, including **Los Angeles, Long Beach, Santa Barbara, and Santa Maria**, set records for the highest average October temperature—7 to 9°F above normal. Downtown **Los Angeles** reached or exceeded 80°F on 25 October days, breaking the record of 22 days set in 1999 and 2008. Farther east, warmth prevailed in advance of late-October storminess. In **Texas**, daily-record highs for October 28 climbed to 96°F in **McAllen** and 92°F in **Corpus Christi**. At week's end, **Western** warmth expanded prior to the arrival of **Pacific** storminess. Daily-record highs for October 30 reached 85°F in **Sacramento, CA**, and 73°F in **Wenatchee, WA**. October ended on a record-warm note in locations such as **Gilroy, CA** (90°F), and **Reno, NV** (77°F).

Mild weather continued across **Alaska**, where weekly temperatures averaged at least 10°F above normal at several locations in the southern half of the state. On October 27, daily-record highs were broken in locations such as **Annette Island** (61°F) and **King Salmon** (55°F). In fact, **King Salmon** posted a trio of daily-record highs (51, 53, and 55°F) from October 25-27. However, colder air and some snow arrived toward month's end. On October 30, **Anchorage** reported a 3.1-inch snowfall—its first accumulation since September 29-30. Heavy precipitation lingered across the **southern tier of Alaska**, where **Kodiak** netted a daily-record rainfall (3.10 inches) for October 27. Farther south, **Hawaii** experienced warm, mostly dry weather. On the **Big Island, Hilo** closed October with three consecutive daily-record highs (88, 88, and 89°F). Other record-setting highs for October 31 included 92°F in **Kahului, Maui**, and 86°F in **Lihue, Kauai**. The most significant shower activity occurred across **Hawaii's western islands** on October 26-27 and again toward week's end. On **Oahu, the Manoa Lyon Arboretum** collected 2.15 inches in a 24-hour period on October 26-27 and 4.08 inches in a 48-hour period from October 30 – November 1.



National Weather Data for Selected Cities

Weather Data for the Week Ending October 31, 2015

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	56	75	45	63	4	1.83	1.08	0.74	3.79	52	45.85	102	96	59	0	0	5	2
AL HUNTSVILLE	71	55	77	44	63	5	1.81	1.00	0.74	4.24	54	45.91	98	81	56	0	0	5	2
AL MOBILE	79	65	82	58	72	8	6.27	5.52	4.37	16.16	175	63.23	112	99	69	0	0	4	3
AL MONTGOMERY	77	59	81	47	68	6	1.25	0.70	0.42	6.27	92	37.37	83	91	60	0	0	6	0
AK ANCHORAGE	42	31	46	21	37	8	0.25	-0.12	0.24	9.68	196	16.99	122	87	76	0	4	2	0
AK BARROW	16	6	25	1	11	2	0.04	-0.02	0.04	0.74	69	5.44	141	93	84	0	7	1	0
AK FAIRBANKS	31	20	37	0	26	11	0.20	0.01	0.12	4.59	225	12.55	141	90	82	0	7	3	0
AK JUNEAU	47	35	48	28	41	2	0.88	-0.80	0.50	18.78	119	70.58	149	98	93	0	3	4	1
AK KODIAK	48	40	50	33	44	6	4.06	2.34	3.12	15.98	99	63.51	104	91	79	0	0	6	2
AK NOME	34	24	38	18	29	5	0.62	0.32	0.61	3.94	96	14.18	99	83	70	0	7	2	1
AZ FLAGSTAFF	59	32	65	28	45	2	0.19	-0.22	0.14	4.97	123	23.38	122	94	33	0	4	2	0
AZ PHOENIX	85	64	91	57	75	5	0.10	-0.07	0.06	1.52	99	6.67	100	56	31	1	0	2	0
AZ PRESCOTT	69	43	74	38	56	5	0.10	-0.15	0.08	2.31	69	16.26	98	84	27	0	0	2	0
AZ TUCSON	80	58	86	49	69	3	0.13	-0.08	0.12	4.05	152	12.17	116	68	41	0	0	2	0
AR FORT SMITH	68	52	75	47	60	1	0.48	-0.46	0.28	4.09	54	53.70	151	88	53	0	0	4	0
AR LITTLE ROCK	67	55	76	45	61	2	2.80	1.74	1.53	3.90	49	42.76	106	94	66	0	0	5	2
CA BAKERSFIELD	80	57	86	50	68	5	0.00	-0.08	0.00	0.14	31	2.80	55	60	40	0	0	0	0
CA FRESNO	78	55	84	52	67	6	0.06	-0.12	0.06	0.61	67	4.27	49	74	56	0	0	1	0
CA LOS ANGELES	82	65	85	60	74	9	0.00	-0.11	0.00	1.91	308	4.83	47	66	34	0	0	0	0
CA REDDING	78	52	85	48	65	6	0.09	-0.60	0.07	0.83	31	7.65	31	67	47	0	0	2	0
CA SACRAMENTO	80	54	85	48	67	6	0.00	-0.30	0.00	0.16	13	5.21	39	78	30	0	0	0	0
CA SAN DIEGO	81	65	85	62	73	7	0.00	-0.15	0.00	1.69	260	7.48	89	77	45	0	0	0	0
CA SAN FRANCISCO	72	56	78	53	64	5	0.00	-0.36	0.00	0.02	2	3.65	25	84	71	0	0	0	0
CA STOCKTON	80	54	85	48	67	6	0.02	-0.24	0.01	0.27	23	3.17	31	74	47	0	0	2	0
CO ALAMOSA	57	26	60	18	41	3	0.12	-0.01	0.11	1.77	113	8.75	136	84	45	0	7	2	0
CO CO SPRINGS	60	34	67	28	47	2	0.04	-0.15	0.02	1.70	81	24.53	149	80	30	0	3	2	0
CO DENVER INTL	63	36	71	28	49	3	0.00	-0.17	0.00	1.88	98	15.47	122	75	30	0	1	0	0
CO GRAND JUNCTION	59	38	64	31	48	0	0.46	0.26	0.29	2.81	147	11.03	142	87	57	0	2	3	0
CO PUEBLO	67	35	73	28	51	3	0.01	-0.16	0.01	0.68	46	15.70	137	76	39	0	2	1	0
CT BRIDGEPORT	63	45	73	37	54	3	1.12	0.31	1.10	5.15	72	28.73	78	78	60	0	0	3	1
CT HARTFORD	63	36	75	29	49	0	2.17	1.27	1.58	7.35	91	32.77	85	85	52	0	3	3	1
DC WASHINGTON	65	49	73	42	57	2	0.71	0.05	0.68	5.25	75	38.15	115	85	55	0	0	2	1
DE WILMINGTON	64	42	72	34	53	1	1.38	0.77	0.96	6.02	85	41.06	113	94	52	0	0	3	1
FL DAYTONA BEACH	82	68	84	62	75	3	0.49	-0.36	0.44	6.59	59	37.88	87	94	64	0	0	3	0
FL JACKSONVILLE	81	63	86	54	72	5	0.06	-0.52	0.04	8.87	75	40.06	85	97	56	0	0	2	0
FL KEY WEST	85	78	86	77	81	2	0.52	-0.35	0.27	7.06	72	29.57	87	86	75	0	0	2	0
FL MIAMI	85	75	89	74	80	3	0.29	-0.93	0.20	14.69	101	44.72	85	88	66	0	0	4	0
FL ORLANDO	85	67	88	63	76	3	0.15	-0.30	0.13	6.26	74	50.31	115	92	57	0	0	2	0
FL PENSACOLA	78	68	84	64	73	7	0.00	-0.92	0.00	6.36	64	52.06	93	91	61	0	0	0	0
FL TALLAHASSEE	84	61	87	54	72	6	0.25	-0.49	0.13	3.57	43	40.85	74	90	58	0	0	4	0
FL TAMPA	85	72	89	69	78	4	0.45	0.17	0.44	6.65	75	62.07	152	88	57	0	0	2	0
FL WEST PALM BEACH	86	74	87	69	80	3	0.01	-1.18	0.01	9.33	69	40.21	76	84	60	0	0	1	0
GA ATHENS	68	51	77	45	60	2	1.02	0.23	0.55	8.51	122	43.53	108	97	77	0	0	4	1
GA ATLANTA	68	53	78	48	60	1	0.87	0.18	0.40	6.61	92	48.02	114	89	73	0	0	5	0
GA AUGUSTA	74	54	80	48	64	4	1.25	0.54	0.52	8.68	128	35.05	90	98	70	0	0	3	1
GA COLUMBUS	75	56	80	50	65	3	0.67	0.11	0.30	3.19	59	36.57	91	96	57	0	0	5	0
GA MACON	74	53	81	48	64	4	0.50	-0.03	0.19	3.55	63	30.46	80	98	63	0	0	3	0
GA SAVANNAH	78	60	85	54	69	5	0.11	-0.53	0.07	4.18	51	40.33	91	93	64	0	0	4	0
HI HILO	87	71	89	68	79	4	1.04	-1.65	0.50	36.26	193	105.85	106	86	72	0	0	4	1
HI HONOLULU	88	75	92	70	81	1	0.20	-0.32	0.11	5.41	185	16.71	127	79	68	1	0	2	0
HI KAHULUI	88	70	92	64	79	1	0.06	-0.26	0.06	1.52	106	23.95	177	87	74	3	0	1	0
HI LIHUE	85	72	86	68	78	0	0.04	-0.99	0.03	5.16	74	22.64	75	84	73	0	0	2	0
ID BOISE	60	43	70	38	51	2	0.18	-0.01	0.06	1.27	84	7.37	78	81	61	0	0	5	0
ID LEWISTON	62	46	67	41	54	6	0.66	0.42	0.32	1.39	79	7.50	72	87	70	0	0	5	0
ID POCATELLO	57	37	68	25	47	3	0.33	0.11	0.30	2.16	116	9.08	88	74	57	0	1	2	0
IL CHICAGO/O'HARE	56	40	62	36	48	0	1.59	0.94	0.77	7.45	125	31.08	101	89	68	0	0	3	1
IL MOLINE	56	39	64	34	48	-1	1.62	0.97	1.11	6.03	101	34.51	104	84	66	0	0	4	1
IL PEORIA	59	42	67	35	50	1	1.64	1.04	0.81	5.26	89	37.50	122	84	51	0	0	3	2
IL ROCKFORD	56	38	63	31	47	0	1.55	0.99	0.73	5.31	88	29.85	94	91	69	0	1	3	2
IL SPRINGFIELD	60	39	69	33	50	-1	1.13	0.54	0.77	5.76	106	33.55	111	93	51	0	0	3	1
IN EVANSVILLE	62	47	68	38	55	2	2.54	1.85	2.06	4.07	71	41.63	114	86	60	0	0	4	1
IN FORT WAYNE	56	41	63	37	48	0	1.08	0.47	0.57	4.48	82	40.13	130	91	59	0	0	3	1
IN INDIANAPOLIS	58	43	65	38	51	0	1.54	0.86	1.00	3.50	62	39.67	116	84	51	0	0	3	1
IN SOUTH BEND	55	40	61	34	48	0	1.17	0.45	0.49	5.53	78	29.81	90	90	61	0	0	3	0
IA BURLINGTON	56	39	63	30	47	-4	1.75	1.14	0.98	3.17	49	31.75	96	96	58	0	1	4	2
IA CEDAR RAPIDS	54	36	61	28	45	-2	2.09	1.31	1.35	8.52	155	34.17	115	99	66	0	1	4	1
IA DES MOINES	55	40	64	34	48	0	0.91	0.63	0.59	6.69	116	35.85	115	83	57	0	0	4	1
IA DUBUQUE	53	38	61	34	46	0	1.87	1.31	1.15	6.59	109	29.44	94	87	64	0	0	3	1
IA SIOUX CITY	59	34	67	28	47	1	0.22	-0.19	0.14	3.99	90	27.73	116	86	55	0	3	2	0
IA WATERLOO	55	38	62	29	46	0	0.98	0.43	0.59	4.26	78	29.49	99	86	67	0	1	4	1
KS CONCORDIA	61	35	67	29	48	-3	0.45	0.09	0.44	2.58	59	24.52	94	81	48	0	2	2	0
KS DODGE CITY	61	38	68	30	49	-3	0.63	0.33	0.59	4.24	135	23.92	116	86	33	0	1	2	1
KS GOODLAND	62	36	70	25	49	-2	0.48	0.24	0.43	2.65	122	19.39	105	82	47	0	1	3	0
KS IOPEKA	60	36	68	29	48	-4	0.62	0.01	0.46	8.33	124	41.56	130	93	54	0	2	3	0

Based on 1971-2000 normals

\*\*\* Not Available

Weather Data for the Week Ending October 31, 2015

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	65	42	71	38	54	0	0.41	-0.08	0.41	3.21	59	35.52	131	75	47	0	0	1	0
KY JACKSON	62	47	72	38	55	1	0.82	0.10	0.44	4.50	65	50.28	123	88	59	0	0	5	0
KY LEXINGTON	60	46	67	34	53	0	1.59	1.00	0.96	6.35	109	49.64	129	83	67	0	0	6	1
KY LOUISVILLE	62	50	68	44	56	1	3.06	2.41	1.79	7.27	124	50.33	136	87	55	0	0	4	2
KY PADUCAH	64	47	69	34	55	1	2.03	1.26	1.51	3.49	50	43.91	109	91	56	0	0	4	1
LA BATON ROUGE	78	64	83	57	71	6	13.00	12.12	8.60	17.32	200	64.71	122	94	68	0	0	3	2
LA LAKE CHARLES	76	60	82	54	68	2	6.99	6.16	4.56	12.91	131	58.87	123	96	64	0	0	3	2
LA NEW ORLEANS	80	67	83	61	74	7	9.54	8.82	8.67	12.26	143	58.65	109	87	66	0	0	3	2
LA SHREVEPORT	71	58	79	54	65	2	4.30	3.25	2.72	7.17	94	52.02	124	93	69	0	0	5	2
ME CARIBOU	49	30	66	24	39	0	1.66	0.98	1.09	6.70	107	29.17	94	82	50	0	5	3	1
ME PORTLAND	58	34	73	27	46	1	1.65	0.59	0.99	9.43	121	36.20	98	92	50	0	5	3	2
MD BALTIMORE	64	42	72	34	53	1	0.71	0.06	0.69	6.67	93	42.90	121	89	55	0	0	3	1
MA BOSTON	60	43	75	38	52	1	1.12	0.23	0.71	5.68	78	28.46	82	79	47	0	0	3	1
MA WORCESTER	58	37	70	31	48	2	2.40	1.33	1.87	7.27	81	33.98	83	86	44	0	1	3	1
MI ALPENA	53	34	57	25	44	2	1.09	0.59	0.62	3.54	69	18.19	74	91	64	0	3	3	1
MI GRAND RAPIDS	56	39	61	34	48	2	1.48	0.89	0.63	5.40	76	27.04	87	93	61	0	0	4	2
MI HOUGHTON LAKE	52	33	57	26	43	1	1.11	0.61	0.52	5.62	105	22.14	90	94	70	0	4	3	1
MI LANSING	55	39	61	32	47	1	1.15	0.65	0.61	3.55	62	29.89	112	87	61	0	1	4	1
MI MUSKEGON	56	39	62	34	48	2	1.31	0.66	0.55	5.14	81	28.25	105	88	58	0	0	4	2
MI TRAVERSE CITY	53	37	61	32	45	0	0.91	0.28	0.37	6.45	99	23.35	83	91	61	0	1	3	0
MN DULUTH	47	39	52	35	43	4	0.84	0.34	0.58	8.74	133	25.89	93	90	77	0	0	6	1
MN INT'L FALLS	48	30	52	18	39	2	1.27	0.89	1.12	4.06	81	20.54	94	95	68	0	3	5	1
MN MINNEAPOLIS	53	41	59	34	47	3	1.10	0.60	0.39	7.27	151	29.31	111	89	66	0	0	7	0
MN ROCHESTER	52	38	61	33	45	3	0.92	0.44	0.32	4.18	79	29.36	103	92	74	0	0	5	0
MN ST. CLOUD	51	39	57	33	45	4	1.67	1.17	0.90	5.39	104	29.01	117	96	68	0	0	6	2
MS JACKSON	74	60	80	49	67	6	6.70	5.84	2.31	7.81	117	44.41	97	93	63	0	0	5	3
MS MERIDIAN	74	59	79	45	67	6	6.82	6.05	3.94	10.42	151	46.11	95	91	66	0	0	5	4
MS TUPELO	70	56	77	43	63	5	3.11	2.32	1.00	4.50	67	57.06	128	92	66	0	0	5	4
MO COLUMBIA	60	42	70	35	51	-1	0.81	0.08	0.54	2.31	35	34.67	101	92	58	0	0	4	1
MO KANSAS CITY	58	40	66	32	49	-3	1.13	0.55	0.51	7.02	88	38.94	114	91	48	0	1	3	1
MO SAINT LOUIS	62	46	70	38	54	0	0.96	0.30	0.72	4.10	72	43.06	134	78	59	0	0	3	1
MO SPRINGFIELD	62	43	71	33	52	-2	1.09	0.33	0.64	5.60	67	41.14	110	78	57	0	0	4	1
MT BILLINGS	56	37	61	28	47	3	0.22	-0.01	0.21	2.06	79	11.89	89	81	46	0	2	2	0
MT BUTTE	51	32	55	21	41	4	0.46	0.31	0.46	3.23	172	10.04	86	85	44	0	3	1	0
MT CUT BANK	53	27	58	14	40	1	0.04	-0.04	0.04	2.86	173	8.34	71	85	41	0	5	1	0
MT GLASGOW	51	32	62	22	41	1	0.15	0.03	0.10	2.16	128	11.67	111	82	63	0	3	3	0
MT GREAT FALLS	53	30	62	22	42	0	0.07	-0.11	0.04	5.01	232	13.07	96	86	46	0	5	3	0
MT HAVRE	54	28	62	17	41	1	0.09	-0.01	0.04	2.77	168	11.26	107	85	59	0	5	3	0
MT MISSOULA	51	33	57	21	42	1	0.38	0.21	0.32	1.28	67	7.43	63	93	78	0	4	4	0
NE GRAND ISLAND	59	36	68	27	47	0	0.35	0.04	0.35	4.61	117	21.27	89	74	46	0	2	1	0
NE LINCOLN	60	34	67	26	47	-2	0.26	-0.13	0.23	5.43	112	34.78	134	80	50	0	3	2	0
NE NORFOLK	60	35	69	27	47	1	0.24	-0.12	0.21	3.72	94	23.11	94	79	47	0	2	2	0
NE NORTH PLATTE	61	31	71	18	46	1	0.36	0.11	0.36	3.31	129	19.90	108	84	36	0	4	1	0
NE OMAHA	57	40	65	34	48	-1	0.37	-0.07	0.16	10.17	189	37.00	135	85	54	0	0	3	0
NE SCOTTSBLUFF	63	33	70	24	48	5	0.10	-0.09	0.09	2.29	103	21.82	146	80	50	0	2	2	0
NE VALENTINE	59	32	76	20	46	3	0.01	-0.21	0.01	6.22	220	24.20	131	89	44	0	4	1	0
NV ELY	58	31	65	27	44	3	0.25	0.05	0.24	2.59	134	7.56	86	78	46	0	4	2	0
NV LAS VEGAS	78	60	83	57	69	5	0.00	-0.03	0.00	1.19	216	4.24	112	38	26	0	0	0	0
NV RENO	68	40	77	33	54	6	0.25	0.15	0.25	1.28	147	5.68	98	65	39	0	0	1	0
NV WINNEMUCCA	65	32	73	25	48	3	0.07	-0.08	0.04	1.27	107	7.63	114	81	47	0	4	2	0
NH CONCORD	60	32	76	23	46	1	1.95	1.14	0.93	8.31	126	31.66	102	87	42	0	4	3	2
NJ NEWARK	65	46	75	39	55	2	1.47	0.76	1.42	5.68	79	33.36	86	75	50	0	0	3	1
NM ALBUQUERQUE	65	44	73	39	54	1	0.18	-0.03	0.13	2.14	103	9.93	119	78	34	0	0	2	0
NY ALBANY	57	34	70	28	45	-1	2.23	1.49	1.26	10.13	155	33.26	104	89	53	0	3	3	2
NY BINGHAMTON	53	35	61	27	44	-1	1.54	0.88	1.22	4.95	75	36.46	113	92	58	0	3	4	1
NY BUFFALO	57	39	64	33	48	1	1.83	1.09	1.64	8.27	118	32.75	100	85	53	0	0	2	1
NY ROCHESTER	56	37	64	31	46	-1	1.05	0.49	0.95	6.87	114	33.00	116	86	56	0	4	4	1
NY SYRACUSE	54	35	59	29	44	-3	0.99	0.30	0.76	8.83	120	36.35	110	95	54	0	4	4	1
NC ASHEVILLE	62	45	72	39	54	2	2.55	1.78	1.60	11.62	169	37.72	95	91	68	0	0	3	2
NC CHARLOTTE	69	49	75	42	59	1	1.72	0.92	1.08	7.47	100	30.40	82	91	62	0	0	3	2
NC GREENSBORO	67	49	75	42	58	3	1.77	1.14	1.02	8.91	118	34.12	92	89	63	0	0	2	2
NC HATTERAS	71	62	77	51	67	4	0.68	-0.55	0.61	19.91	181	56.61	117	91	68	0	0	2	1
NC RALEIGH	69	51	77	40	60	3	0.98	0.35	0.50	9.31	125	43.33	117	91	66	0	0	3	1
NC WILMINGTON	74	58	79	50	66	5	0.83	0.29	0.44	20.24	202	60.18	120	94	60	0	0	2	0
ND BISMARCK	51	30	63	25	41	1	0.40	0.16	0.28	1.46	51	16.64	106	89	70	0	5	3	0
ND DICKINSON	48	32	61	27	40	0	0.30	0.06	0.30	1.42	48	11.20	73	82	50	0	5	1	0
ND FARGO	52	38	59	34	45	5	0.15	-0.25	0.14	2.43	59	19.37	99	90	65	0	0	2	0
ND GRAND FORKS	50	34	57	25	43	4	0.16	-0.19	0.09	2.04	56	18.84	104	92	61	0	2	3	0
ND JAMESTOWN	49	32	58	27	40	0	0.16	-0.10	0.09	1.23	39	21.22	122	93	63	0	5	2	0
ND WILLISTON	50	31	61	25	40	2	0.21	0.07	0.11	3.12	141	10.98	85	84	69	0	4	3	0
OH AKRON-CANTON	57	42	64	36	50	2	1.41	0.87	0.98	6.46	108	35.78	110	73	54	0	0	5	1
OH CINCINNATI	59	46	67	40	53	1	3.26	2.53	1.89	6.18	107	38.42	107	81	60	0	0	3	2
OH CLEVELAND	57	42	65	35	50	1	1.12	0.53	0.91	7.11	109	35.54	110	86	53	0	0	4	1
OH COLUMBUS	57	43	65	39	50	-1	2.09	1.55	1.07	5.99	115	37.85	117	78	59	0	0	5	2
OH DAYTON	57	42	65	37	49	-1	3.24	2.57	1.70	4.53	84	34.26	103	92	54	0	0	4	2
OH MANSFIELD	56	41	63	33	48	0	1.65	0.98	1.31	5.18	85	35.17	97	93	53	0	0	4	1

Weather Data for the Week Ending October 31, 2015

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	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK TOLEDO	56	38	62	33	47	-1	1.54	1.00	1.25	3.47	67	31.81	114	88	57	0	0	3	1
OK YOUNGSTOWN	57	40	62	31	48	1	1.58	1.09	1.17	7.47	118	38.44	120	87	60	0	1	6	1
OK OKLAHOMA CITY	67	45	74	41	56	-2	1.93	1.26	1.79	4.51	59	47.41	149	91	45	0	0	3	1
OK TULSA	67	45	73	38	56	-3	0.79	-0.02	0.70	4.43	50	46.18	126	90	60	0	0	3	1
OR ASTORIA	62	53	65	46	58	8	5.01	3.33	2.22	9.33	114	38.44	83	90	81	0	0	6	2
OR BURNS	61	28	70	16	44	3	0.22	0.04	0.21	0.85	70	5.63	69	86	56	0	5	2	0
OR EUGENE	65	48	67	37	56	7	1.91	0.77	1.13	3.21	66	15.87	46	92	84	0	0	5	1
OR MEDFORD	67	44	75	38	56	5	0.20	-0.20	0.17	0.69	33	8.15	65	90	53	0	0	2	0
OR PENDLETON	61	42	70	33	51	2	0.74	0.47	0.39	1.63	101	6.64	69	84	64	0	0	6	0
OR PORTLAND	62	51	64	44	57	6	3.26	2.41	2.03	4.94	109	20.65	80	93	78	0	0	6	2
OR SALEM	64	50	67	40	57	7	3.27	2.34	1.89	4.81	108	20.78	77	91	80	0	0	6	2
PA ALLENTOWN	63	38	70	29	51	2	2.02	1.29	1.85	7.98	104	35.18	92	85	53	0	3	3	1
PA ERIE	57	43	64	37	50	0	0.83	-0.01	0.67	7.41	86	31.10	89	71	54	0	0	5	1
PA MIDDLETOWN	61	41	69	34	51	0	2.14	1.49	2.08	12.31	191	36.93	109	90	52	0	0	3	1
PA PHILADELPHIA	66	47	72	40	56	2	1.17	0.61	0.59	9.85	149	40.04	113	76	51	0	0	2	2
PA PITTSBURGH	59	42	64	35	50	1	1.65	1.15	1.42	8.45	155	36.20	113	85	52	0	0	4	1
PA WILKES-BARRE	60	38	68	30	49	1	2.01	1.38	1.85	5.77	84	26.94	85	85	41	0	1	3	1
PA WILLIAMSPORT	60	37	67	30	48	0	2.04	1.34	1.98	6.74	94	35.00	100	89	59	0	2	4	1
RI PROVIDENCE	62	40	75	32	51	1	1.51	0.60	0.87	6.03	82	33.43	88	84	52	0	1	3	2
SC BEAUFORT	77	61	80	56	69	5	1.24	0.61	0.63	8.37	101	44.46	101	97	66	0	0	5	1
SC CHARLESTON	76	60	80	53	68	5	0.56	-0.02	0.28	20.87	230	62.72	137	93	62	0	0	4	0
SC COLUMBIA	75	55	82	46	65	5	1.47	0.83	0.91	20.22	296	51.27	122	87	58	0	0	3	1
SC GREENVILLE	66	49	74	43	57	0	1.95	1.10	1.26	14.63	187	43.23	102	94	72	0	0	4	1
SD ABERDEEN	55	34	63	25	44	2	0.02	-0.30	0.01	2.02	59	19.35	101	85	58	0	3	2	0
SD HURON	56	36	65	30	46	3	0.00	-0.31	0.00	3.68	109	22.89	117	91	51	0	2	0	0
SD RAPID CITY	55	33	66	21	44	1	0.00	-0.28	0.00	1.56	63	24.13	154	80	47	0	2	0	0
SD SIOUX FALLS	57	35	64	28	46	3	0.21	-0.19	0.18	6.15	136	27.77	122	81	57	0	3	3	0
TN BRISTOL	65	47	72	37	56	5	0.75	0.26	0.49	6.41	119	35.57	102	96	58	0	0	3	0
TN CHATTANOOGA	68	53	76	44	60	3	1.47	0.72	0.80	8.78	116	49.46	110	92	68	0	0	5	1
TN KNOXVILLE	66	51	73	42	59	4	0.74	0.13	0.39	4.74	83	37.67	95	92	62	0	0	4	0
TN MEMPHIS	68	56	74	47	62	2	2.35	1.51	0.73	3.76	57	37.72	87	90	61	0	0	5	3
TN NASHVILLE	66	52	72	38	59	3	2.77	2.10	1.73	6.61	102	41.05	105	89	59	0	0	5	2
TX ABILENE	73	48	83	40	61	-1	2.68	2.12	2.62	9.27	160	34.43	162	88	50	0	0	2	1
TX AMARILLO	68	40	77	38	54	0	0.28	-0.02	0.28	3.67	109	32.37	176	84	36	0	0	1	0
TX AUSTIN	78	57	85	47	67	0	1.78	0.93	0.91	12.41	180	41.98	147	89	63	0	0	3	2
TX BEAUMONT	77	61	86	53	69	2	9.67	8.70	4.53	15.89	148	63.36	127	98	70	0	0	4	3
TX BROWNSVILLE	83	66	89	58	75	2	6.56	5.93	6.55	17.54	193	44.58	181	93	70	0	0	2	1
TX CORPUS CHRISTI	81	64	92	57	73	2	0.42	-0.26	0.32	5.71	64	41.72	145	93	71	1	0	2	0
TX DEL RIO	80	53	84	46	66	-2	0.72	0.37	0.71	6.31	155	26.94	163	85	45	0	0	2	1
TX EL PASO	71	50	81	44	61	0	1.12	1.03	0.94	3.44	142	10.61	129	73	33	0	0	2	1
TX FORT WORTH	73	57	79	51	65	2	2.29	1.42	1.76	12.07	185	49.02	166	85	50	0	0	3	2
TX GALVESTON	77	65	85	61	71	0	3.08	2.40	2.15	18.11	196	49.69	136	96	72	0	0	4	2
TX HOUSTON	77	61	86	53	69	2	4.12	3.10	2.04	12.29	139	57.67	144	93	70	0	0	4	2
TX LUBBOCK	72	44	79	38	58	1	0.58	0.31	0.58	4.84	113	27.14	157	83	39	0	0	1	1
TX MIDLAND	73	47	82	37	60	-1	0.21	-0.06	0.13	5.80	142	19.83	147	80	39	0	0	2	0
TX SAN ANGELO	78	47	87	40	62	0	0.41	-0.04	0.35	2.93	53	23.19	123	87	49	0	0	3	0
TX SAN ANTONIO	81	59	85	52	70	3	3.31	2.46	2.01	10.11	147	40.15	141	86	47	0	0	3	2
TX VICTORIA	81	61	90	55	71	2	0.44	-0.35	0.31	9.55	103	49.83	142	98	71	1	0	3	0
TX WACO	74	57	80	48	65	0	4.25	3.51	1.99	12.52	191	40.69	145	87	64	0	0	3	3
TX WICHITA FALLS	71	48	79	43	60	-1	2.90	2.30	2.89	6.00	95	39.57	155	82	55	0	0	2	1
UT SALT LAKE CITY	61	44	68	37	52	4	0.12	-0.21	0.12	2.39	82	13.54	98	69	37	0	0	1	0
VT BURLINGTON	54	33	65	26	44	0	1.91	1.22	1.21	8.04	116	32.81	107	86	49	0	5	4	2
VA LYNCHBURG	61	45	69	34	53	0	1.48	0.79	0.76	11.03	152	35.77	97	94	61	0	0	2	2
VA NORFOLK	69	57	78	53	63	5	0.17	-0.57	0.10	8.42	112	41.54	105	81	55	0	0	3	0
VA RICHMOND	66	47	75	39	57	2	0.78	0.03	0.47	6.66	88	39.36	104	92	63	0	0	3	0
VA ROANOKE	61	47	71	35	54	1	2.92	2.25	1.76	14.45	206	45.86	126	87	66	0	0	2	2
VA WASH/DULLES	63	42	70	34	53	2	2.07	1.33	1.97	6.23	87	33.52	95	87	57	0	0	4	1
WA OLYMPIA	59	48	63	41	54	7	4.90	3.62	2.50	7.37	118	30.98	89	96	90	0	0	6	2
WA QUILLAYUTE	62	50	64	41	56	8	6.39	3.63	2.87	16.00	115	62.62	86	98	89	0	0	6	3
WA SEATTLE-TACOMA	61	51	67	46	56	6	2.58	1.64	1.43	5.35	111	24.96	98	93	80	0	0	6	1
WA SPOKANE	56	43	63	36	49	6	0.91	0.60	0.48	1.66	91	8.87	73	93	65	0	0	6	0
WA YAKIMA	65	42	74	36	54	9	0.28	0.14	0.12	0.57	62	4.86	83	84	65	0	0	5	0
WV BECKLEY	56	43	64	32	49	0	1.12	0.57	0.59	5.54	94	42.63	120	80	67	0	1	5	1
WV CHARLESTON	63	44	72	33	54	2	0.80	0.18	0.48	4.72	77	41.13	111	86	55	0	0	4	0
WV ELKINS	60	37	72	27	48	1	0.74	0.12	0.35	4.20	63	41.65	106	89	44	0	3	4	0
WV HUNTINGTON	60	44	70	35	52	0	1.05	0.40	0.76	6.61	120	41.41	116	94	64	0	0	5	1
WI EAU CLAIRE	52	39	58	33	46	3	1.85	1.38	0.87	8.17	137	35.73	122	91	63	0	0	6	2
WI GREEN BAY	53	39	59	34	46	3	1.34	0.86	0.89	8.49	161	24.70	97	93	70	0	0	4	1
WI LA CROSSE	56	41	64	33	48	2	1.92	1.46	0.98	4.92	88	27.64	95	92	57	0	0	3	2
WI MADISON	54	37	60	34	46	1	1.62	1.12	0.78	8.70	165	31.69	109	94	66	0	0	3	1
WI MILWAUKEE	55	41	62	37	48	1	1.40	0.84	0.54	6.32	109	24.09	81	83	66	0	0	4	2
WY CASPER	58	31	66	20	44	3	0.30	0.08	0.30	1.20	57	11.60	100	73	42	0	5	1	0
WY CHEYENNE	58	35	66	27	46	5	0.06	-0.05	0.03	2.02	93	15.91	111	77	36	0	2	2	0
WY LANDER	58	32	65	27	45	3	0.00	-0.28	0.00	1.05	42	13.46	114	68	26	0	5	0	0
WY SHERIDAN	57	30	67	20	44	3	0.09	-0.17	0.09	1.53	55	15.02	113	82	54	0	5	1	0

Based on 1971-2000 normals

\*\*\* Not Available

## National Agricultural Summary

October 26 – November 1, 2015

*Weekly National Agricultural Summary provided by USDA/NASS*

### HIGHLIGHTS

**Weekly rainfall totals were within 3 inches of normal across most of the Nation. A notable exception occurred in the Mississippi Delta, where parts of Louisiana received more than 12 inches of rain during the week. Rains across the southern Great Plains and the Delta provided much-needed moisture**

**for crops and pastures. Large areas of the Gulf Coast and the West recorded weekly average temperatures more than 4°F above normal. In contrast, an area stretching from the southern Great Plains to the southwestern Corn Belt recorded below-average weekly temperatures.**

**Corn:** By November 1, producers had harvested 85 percent of this year's corn crop. This was 23 percentage points ahead of last year and 6 points ahead of the 5-year average. Dry conditions in the northern Great Plains facilitated rapid harvest progress, with harvest advancing 19 percentage points during the week in North Dakota and South Dakota and 18 points in Nebraska.

**Soybeans:** By week's end, 92 percent of the soybean crop was harvested, 11 percentage points ahead of last year and 4 points ahead of the 5-year average. All estimating states except Mississippi were at or ahead of the 5-year average harvest pace on November 1.

**Winter Wheat:** Producers had seeded 88 percent of the 2016 winter wheat by November 1, slightly behind last year and 2 percentage points behind the 5-year average. Nationally, 72 percent of the crop had emerged by week's end, 4 percentage points behind last year and slightly behind the 5-year average. The crop was 95 percent emerged by week's end in South Dakota, 20 percentage points ahead of the 5-year average. Overall, 49 percent of the winter wheat was reported in good to excellent condition, up 2 percentage points from last week but 10 points below the same time last year. Winter wheat was rated 45 percent in the good to excellent categories in Kansas on November 1, seventeen percentage points below the same time last year.

**Cotton:** Nationwide, 50 percent of this year's cotton was harvested by November 1, slightly ahead of last year but 4 percentage points behind the 5-year average. Rainy conditions slowed the harvest

of cotton in Texas, where only 3 percent of the state's crop was harvested during the last week. Overall, 47 percent of the cotton was rated in good to excellent condition, unchanged from last week but slightly below the same time last year.

**Sorghum:** Producers had harvested 79 percent of the nation's sorghum by November 1, fifteen percentage points ahead of last year and 7 points ahead of the 5-year average. Producers in Kansas, Nebraska, New Mexico, Oklahoma, and South Dakota recorded double-digit harvest progress during the week.

**Other Crops:** By November 1, producers had harvested 72 percent of this year's peanut crop. This was 5 percentage points behind last year and 7 points behind the 5-year average. At least 20 percent of the peanut crop was harvested during the week in North Carolina, Oklahoma, and Virginia.

By November 1, sugarbeet producers had harvested 91 percent of this year's crop, 2 percentage points behind last year but slightly ahead of the 5-year average. Rain and warm weather caused challenges with the sugarbeet harvest in Michigan, as pile storage had to be halted again due to expected above-average temperatures.

Sixty-nine percent of the sunflower crop was harvested by week's end, 22 percentage points ahead of last year and 10 points ahead of the 5-year average. Seventy percent of the crop was harvested in North Dakota, 14 percentage points ahead of the 5-year average.

**Crop Progress and Condition**

**Week Ending November 1, 2015**

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

Corn Percent Harvested				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
CO	59	31	45	73
IL	74	93	96	88
IN	56	82	92	74
IA	57	73	85	81
KS	85	91	94	92
KY	87	92	94	92
MI	30	47	61	53
MN	67	81	91	83
MO	77	94	97	90
NE	57	57	75	77
NC	95	95	97	98
ND	44	64	83	69
OH	50	76	88	59
PA	49	63	70	59
SD	57	60	79	77
TN	96	96	97	96
TX	85	77	84	94
WI	31	47	61	60
18 Sts	62	75	85	79
These 18 States harvested 94% of last year's corn acreage.				

Soybeans Percent Harvested				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
AR	85	82	90	82
IL	80	93	96	91
IN	70	91	96	84
IA	90	92	96	96
KS	69	70	84	81
KY	49	68	75	68
LA	98	97	98	98
MI	67	82	90	83
MN	97	99	100	98
MS	92	90	94	96
MO	61	67	80	74
NE	94	90	97	97
NC	29	26	36	26
ND	96	98	100	96
OH	69	93	96	79
SD	99	96	98	97
TN	60	69	76	69
WI	77	89	95	89
18 Sts	81	87	92	88
These 18 States harvested 92% of last year's soybean acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
AR	100	100	100	100
CO	39	47	55	51
IL	72	88	91	82
KS	50	66	77	66
LA	100	100	100	100
MO	73	73	81	81
NE	68	55	70	76
NM	8	21	35	21
OK	71	66	81	69
SD	78	63	74	86
TX	79	80	83	79
11 Sts	64	71	79	72
These 11 States harvested 98% of last year's sorghum acreage.				

Cotton Percent Harvested				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
AL	63	57	66	56
AZ	39	35	40	38
AR	80	75	86	86
CA	84	50	75	62
GA	58	32	43	51
KS	10	13	20	23
LA	93	92	96	97
MS	83	83	87	89
MO	58	60	72	72
NC	48	26	48	49
OK	25	20	39	38
SC	60	21	42	51
TN	50	49	60	65
TX	31	37	40	43
VA	34	36	51	52
15 Sts	49	42	50	54
These 15 States harvested 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	0	4	30	58	8
AZ	5	7	18	39	31
AR	4	2	24	42	28
CA	0	0	10	30	60
GA	1	7	26	50	16
KS	1	11	27	50	11
LA	2	19	48	29	2
MS	1	9	33	45	12
MO	1	8	46	38	7
NC	7	20	37	33	3
OK	0	5	34	59	2
SC	10	21	44	23	2
TN	0	2	20	52	26
TX	4	14	44	34	4
VA	0	7	26	65	2
15 Sts	3	12	38	39	8
Prev Wk	4	12	37	38	9
Prev Yr	6	12	34	37	11

Peanuts Percent Harvested				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
AL	80	68	77	75
FL	89	89	92	91
GA	76	57	73	79
NC	78	45	65	81
OK	59	51	74	65
SC	83	35	51	86
TX	60	42	57	72
VA	87	55	75	76
8 Sts	77	58	72	79
These 8 States harvested 97% of last year's peanut acreage.				

Sugarbeets Percent Harvested				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
ID	87	62	75	83
MI	71	53	72	61
MN	100	100	100	98
ND	100	100	100	98
4 Sts	93	86	91	90
These 4 States harvested 84% of last year's sugarbeet acreage.				

## Crop Progress and Condition

### Week Ending November 1, 2015

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

Winter Wheat Percent Planted				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
AR	68	40	60	64
CA	44	40	45	39
CO	100	96	99	99
ID	100	94	98	99
IL	65	84	89	87
IN	80	86	93	88
KS	92	91	96	96
MI	89	90	95	93
MO	53	67	79	72
MT	100	97	99	96
NE	100	99	100	100
NC	35	20	32	34
OH	87	92	95	88
OK	95	85	91	93
OR	96	76	89	94
SD	99	99	99	99
TX	85	67	71	83
WA	99	93	98	98
18 Sts	89	83	88	90
These 18 States planted 87% of last year's winter wheat acreage.				

Winter Wheat Percent Emerged				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
AR	47	14	35	38
CA	24	10	15	17
CO	99	83	91	92
ID	82	69	79	80
IL	33	55	69	62
IN	49	57	79	60
KS	81	67	77	81
MI	68	67	80	76
MO	32	31	50	47
MT	96	84	91	78
NE	96	92	97	92
NC	20	5	13	13
OH	60	67	79	61
OK	86	62	79	78
OR	60	35	46	57
SD	83	89	95	75
TX	67	44	55	60
WA	77	74	75	83
18 Sts	76	62	72	73
These 18 States planted 87% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	4	5	51	38	2
CA	0	5	45	35	15
CO	1	10	48	38	3
ID	0	0	38	52	10
IL	1	9	32	50	8
IN	2	3	35	51	9
KS	2	12	41	41	4
MI	0	5	22	59	14
MO	1	14	50	34	1
MT	0	2	25	56	17
NE	0	5	32	55	8
NC	0	0	7	85	8
OH	1	4	33	49	13
OK	4	15	43	26	12
OR	0	22	70	8	0
SD	0	1	34	53	12
TX	6	13	38	25	18
WA	4	8	39	46	3
18 Sts	2	10	39	40	9
Prev Wk	3	11	39	37	10
Prev Yr	2	5	34	50	9

Sunflowers Percent Harvested				
	Prev Year	Prev Week	Nov 1 2015	5-Yr Avg
CO	38	63	71	61
KS	40	40	55	57
ND	51	52	70	56
SD	45	58	69	65
4 Sts	47	54	69	59
These 4 States harvested 84% of last year's sunflower acreage.				

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

NA - Not Available  
\* Revised

### Crop Progress and Condition

### Week Ending November 1, 2015

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

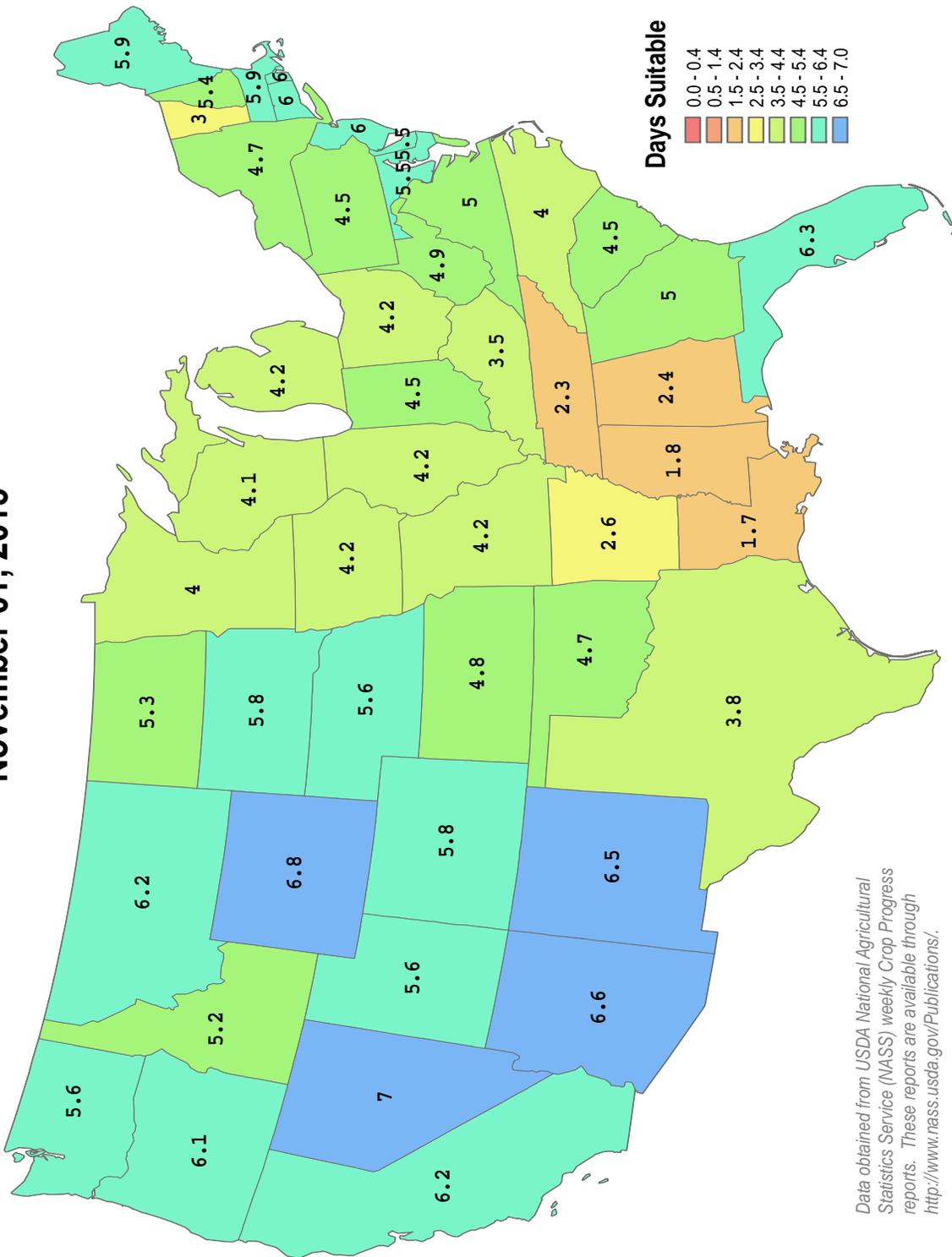
# Days Suitable for Fieldwork

## Week Ending

## November 01, 2015



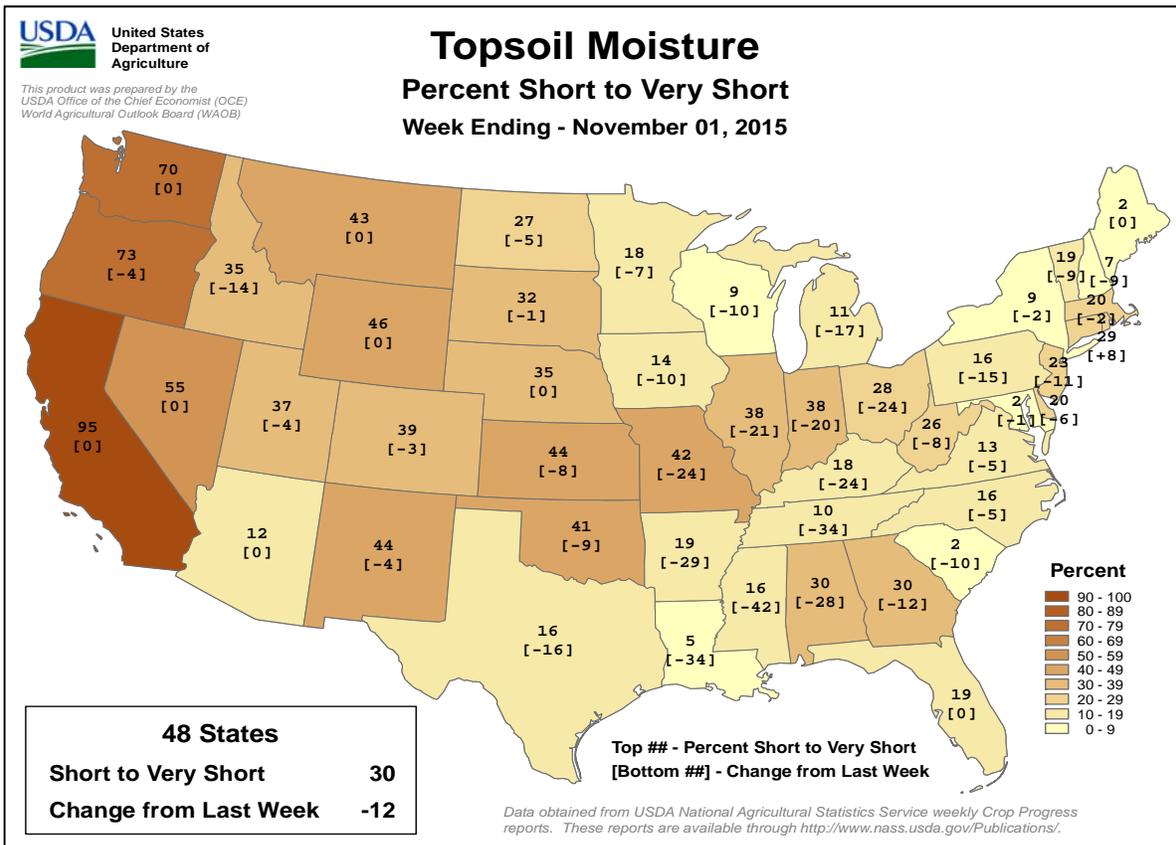
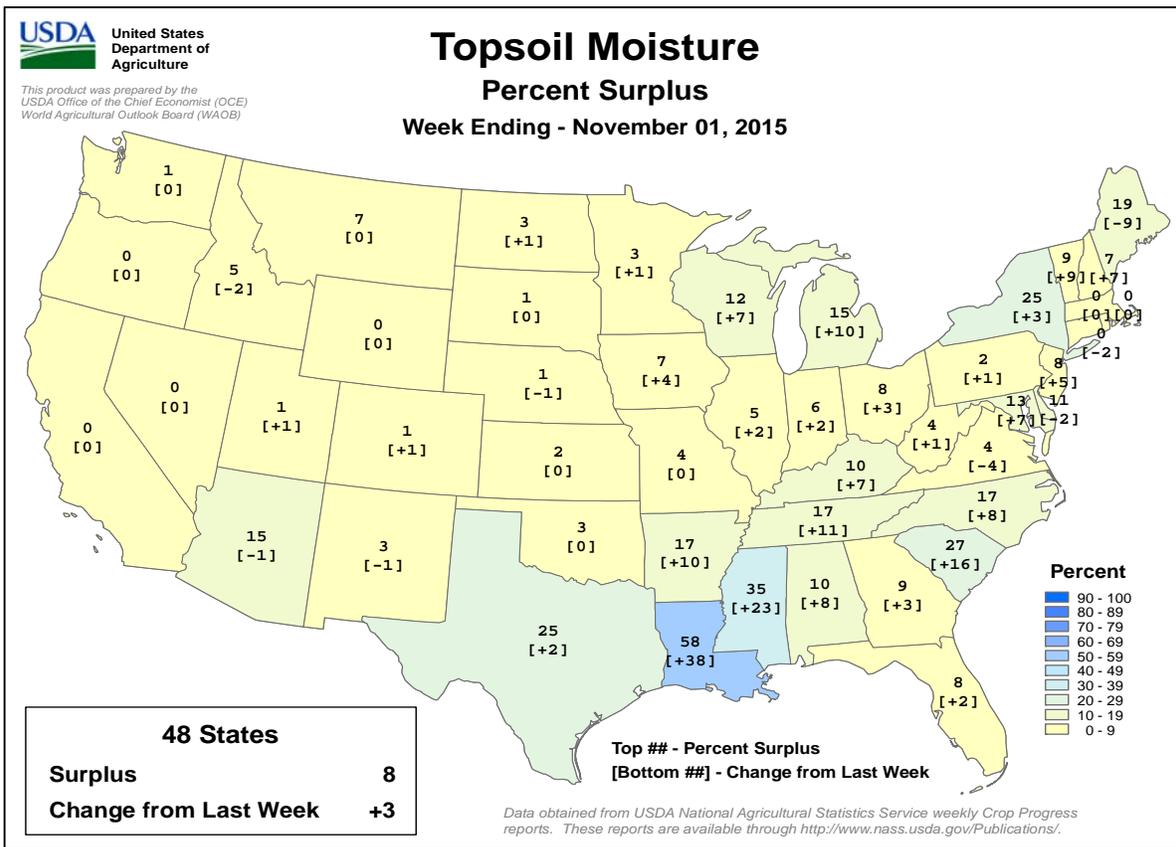
This product was prepared by the  
USDA Office of the Chief Economist (OCE)  
World Agricultural Outlook Board (WAOB)



**Crop Progress and Condition**

**Week Ending November 1, 2015**

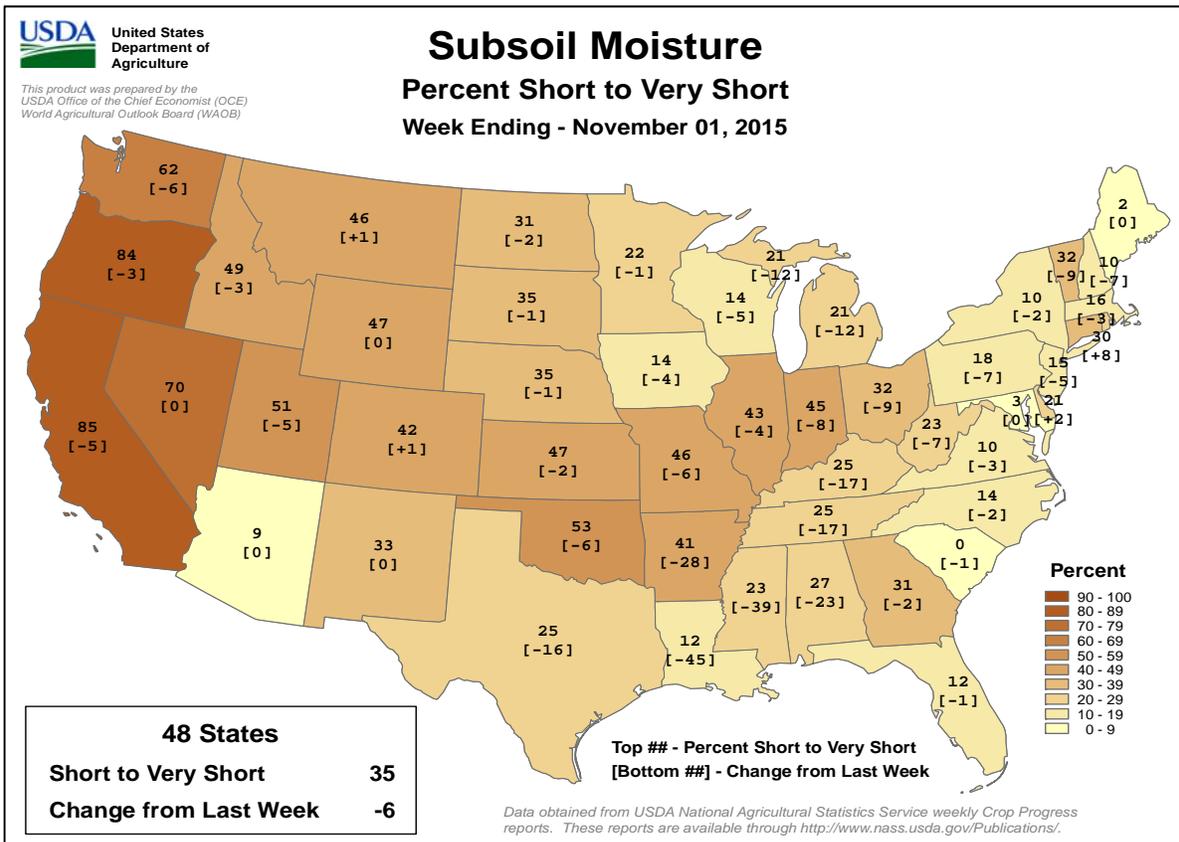
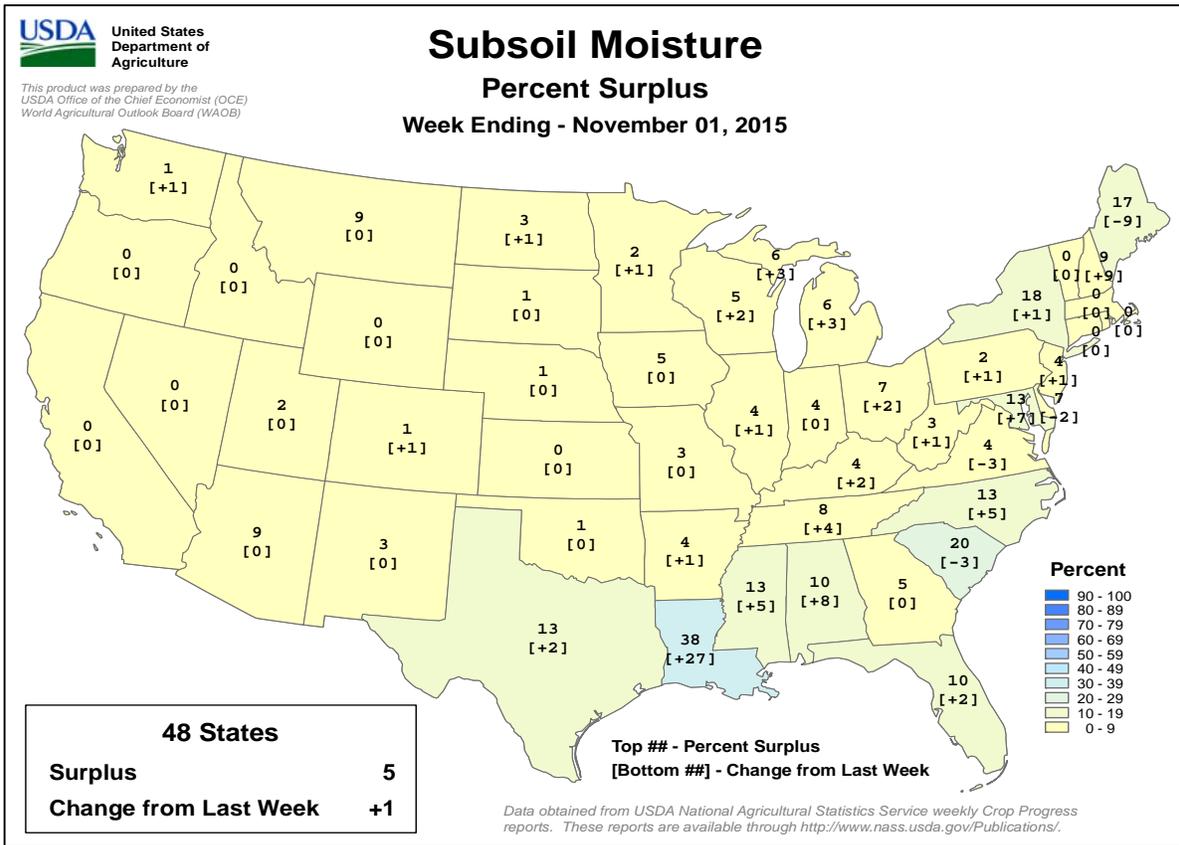
Weekly U.S. Progress and Condition Data provided by USDA/NASS



**Crop Progress and Condition**

**Week Ending November 1, 2015**

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



October 2015

International Weather and Crop Summary

October 25-31, 2015

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

**EUROPE:** Dry weather promoted fieldwork over central and eastern Europe, while showers maintained favorable soil moisture for winter crops in western and southern growing areas.

**NORTHWEST AFRICA:** Showers continued, sustaining adequate to abundant soil moisture for early winter grain planting.

**FSU-WESTERN:** Unrelenting drought in central and eastern Ukraine contrasted with favorable showers over much of western Russia.

**MIDDLE EAST:** Heavy to excessive rainfall caused flooding but boosted moisture reserves for winter grains from eastern portions of Turkey and the Mediterranean Coast into Iraq and western Iran.

**SOUTH ASIA:** Passing showers in northeastern sections of India slowed summer (kharif) harvesting but increased water reserves for winter (rabi) crops.

**EAST ASIA:** Brief periods of rainfall provided beneficial moisture to emerging winter crops.

**SOUTHEAST ASIA:** Drier weather was overspreading northern portions of the region, while rice growers to the south awaited the start of seasonal rainfall.

**AUSTRALIA:** Widespread showers helped stabilize wheat prospects in southern New South Wales, while unfavorably hot and dry weather persisted in northern Victoria.

**SOUTH AFRICA:** Moisture was limited for germination of corn and other rain-fed summer crops.

**ARGENTINA:** Showers became more widespread, increasing moisture for winter grains and emerging summer crops in western production areas.

**BRAZIL:** Seasonal rains intensified, providing timely moisture for soybeans and other summer crops in key central production areas.

**MEXICO:** Late-season rain boosted reservoir levels in central and northeastern watersheds.

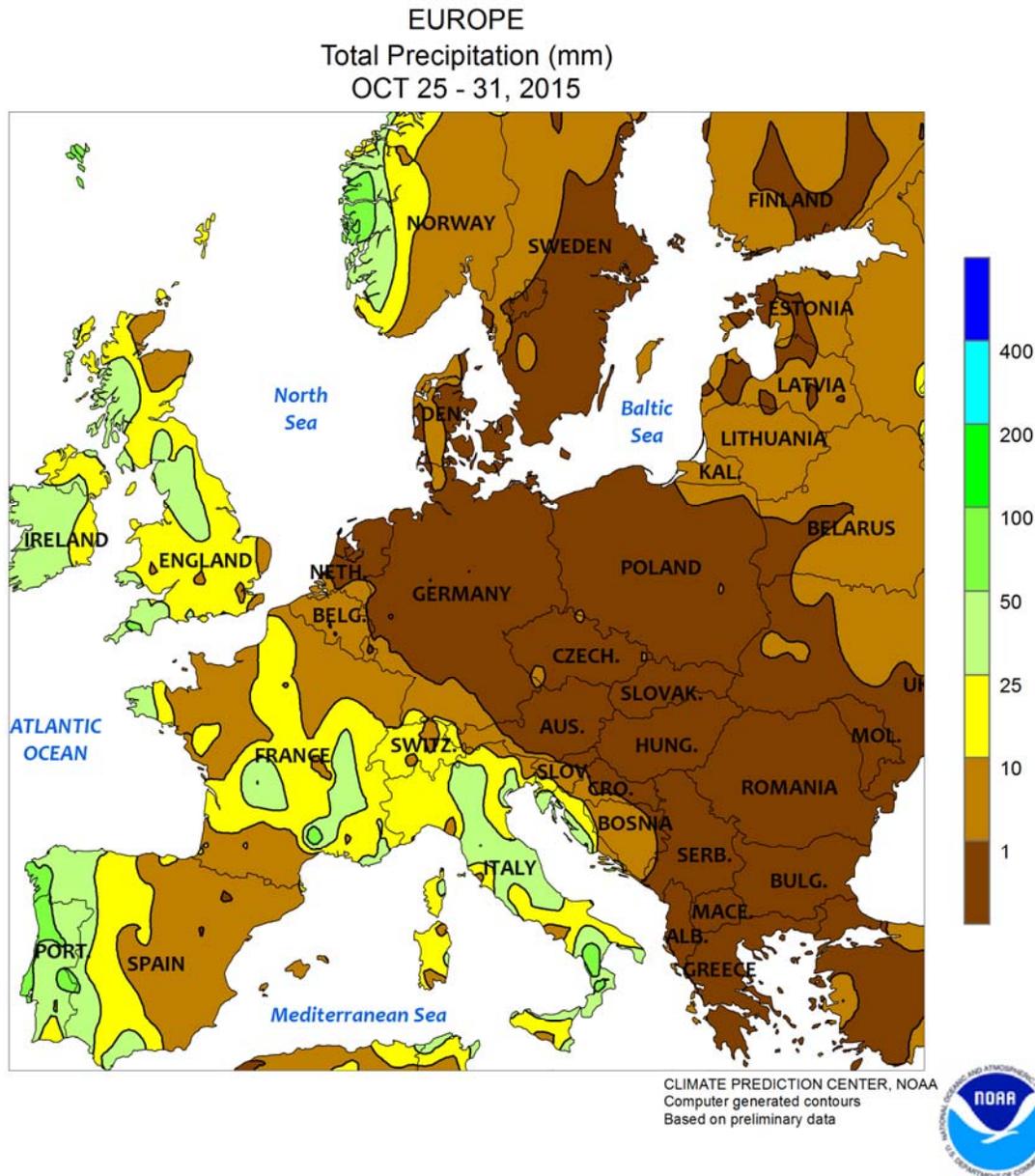
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	26	15	36	9	21	2.1	110	52
	BATNA	24	11	32	2	17	1.2	40	14
ARGENT	IGUAZU	30	19	38	10	24	1.9	98	-115
	FORMOSA	28	19	40	11	24	0.8	181	54
	CERES	25	14	33	7	19	-0.3	40	-36
	CORDOBA	22	10	32	2	16	-2.2	25	-43
	RIO CUARTO	20	9	30	2	15	-2.6	64	-31
	ROSARIO	22	12	31	3	17	-1	80	-16
	BUENOS AIRES	20	10	27	1	15	-1.5	79	-25
	SANTA ROSA	18	7	29	0	13	-3.1	81	10
	TRES ARROYOS	17	6	24	-1	11	-2.3	100	18
AUSTRA	DARWIN	33	24	34	22	29	-0.5	70	-9
	BRISBANE	25	17	29	13	21	0.4	72	-24
	PERTH	27	12	35	4	20	3.3	18	-30
	CEDUNA	27	13	39	5	20	3	0	-27
	ADELAIDE	25	13	35	8	19	3.4	6	-37
	MELBOURNE	25	11	36	2	18	4.1	10	-52
	WAGGA	27	12	35	4	19	4.9	45	-16
	CANBERRA	25	8	32	2	17	3.7	29	-28
AUSTRI	VIENNA	13	7	20	-1	10	-0.6	134	98
	INNSBRUCK	16	6	23	0	11	1.4	94	36
BAHAMA	NASSAU	31	24	33	21	27	1.3	122	-43
BARBAD	BRIDGETOWN	***	***	31	28	***	*****	*****	*****
BELARU	MINSK	9	2	19	-3	6	-0.7	32	-20
BERMUD	ST GEORGES	27	23	29	19	25	0.3	144	-4
BOLIVI	LA PAZ	16	1	20	-4	9	-0.5	72	28
BRAZIL	FORTALEZA	30	25	32	24	28	-0.4	2	-8
	RECIFE	29	25	30	23	27	-0.8	17	-19
	CAMPO GRANDE	30	22	35	13	26	0.5	48	-97
	FRANCA	32	21	36	12	26	3.7	143	-15
	RIO DE JANEIRO	30	22	40	17	25	1.5	20	-61
	LONDRINA	31	19	38	14	25	3.2	263	115
	SANTA MARIA	24	15	33	6	19	-0.6	429	290
	TORRES	22	16	28	9	19	-2.3	268	139
BULGAR	SOFIA	15	7	23	-1	11	0.2	126	89
BURKIN	OUAGADOUGOU	36	25	38	22	31	1.4	24	-9
CANADA	TORONTO	14	5	23	-3	10	1	68	4
	MONTREAL	13	3	24	-5	8	-0.3	101	22
	WINNIPEG	12	2	24	-8	7	1.9	*****	-36
	REGINA	13	1	26	-4	7	2.1	*****	-22
	SASKATOON	13	0	26	-5	7	2.2	*****	-16
	LETHBRIDGE	***	***	***	***	***	*****	*****	*****
	CALGARY	15	1	24	-6	8	2.6	6	-8
	VANCOUVER	15	8	19	3	12	1.7	113	4
CANARY	LAS PALMAS	27	22	34	19	24	1.6	114	100
CHILE	SANTIAGO	21	8	26	2	15	0.3	15	-1
CHINA	HARBIN	13	2	25	-7	7	1.3	20	-4
	HAMI	20	4	27	-3	12	1.8	6	3
	LANCHOW	***	***	20	20	***	*****	*****	*****
	BEIJING	20	10	27	0	15	1.5	16	-5
	TIENTSIN	20	10	28	2	15	0.8	18	-5
	LHASA	18	4	25	0	11	1.7	1	-8
	KUNMING	22	11	26	7	16	0.7	171	94
	CHENGCHOW	23	12	29	6	18	2.5	64	17
	YEHCHANG	24	16	29	12	20	1.3	52	-33
	HANKOW	25	14	29	9	19	1	102	8
	CHUNGKING	24	18	31	15	21	3	70	-34
	CHIHKIANG	24	15	30	12	20	2	121	19
	WU HU	23	15	28	10	19	1.1	76	7
	SHANGHAI	23	16	27	10	20	0.7	48	-21
	NANCHANG	25	18	30	13	22	1.8	84	25
	TAIPEI	27	24	33	21	26	0.8	148	4
	CANTON	29	20	33	16	25	0	123	36
	NANNING	29	19	31	16	24	0.2	57	-8
COLOMB	BOGOTA	20	9	23	3	15	1.2	28	-89
COTE D	ABIDJAN	30	25	30	22	27	1.1	401	239
CUBA	HAVANA	31	22	33	18	26	0.5	0	-185
CYPRUS	LARNACA	29	19	32	16	24	1.8	34	21
CZECHR	PRAGUE	12	5	20	-2	8	0.3	50	20
DENMAR	COPENHAGEN	12	8	18	2	10	0.7	22	-29

Based on Preliminary Reports

## October 2015

COUNTRY	CITY	TEMPERATURE					PRECIP.			COUNTRY	CITY	TEMPERATURE					PRECIP.		
		AVG	AVG	HI	LO	DEP	NRM	TOT	DEP			AVG	AVG	HI	LO	DEP	NRM	TOT	DEP
		(C)					(MM)					(C)					(MM)		
		MAX	MIN	MAX	MIN	AVG	NRM	TOT	DEP	MAX	MIN	MAX	MIN	AVG	NRM	TOT	DEP		
EGYPT	CAIRO	31	21	36	17	26	2.0	1	0		MARRAKECH	28	17	38	14	23	1.8	17	-2
	ASWAN	38	25	43	17	31	3.2	0	0	MOZAMB	MAPUTO	30	21	42	16	25	2.3	12	-46
ESTONI	TALLINN	10	2	16	-4	6	-0.1	10	-63	N KORE	PYONGYANG	19	9	25	-1	14	1.1	71	29
ETHIOP	ADDIS ABABA	24	13	25	10	18	2.6	0	-47	NEW CA	NOUMEA	24	20	28	17	22	-0.5	24	-27
F GUIA	CAYENNE	33	23	34	21	28	1.2	74	-7	NIGER	NIAMEY	39	27	41	20	33	2	70	55
FIJI	NAUSORI	27	20	31	15	24	-0.5	125	-74	NORWAY	OSLO	9	3	15	-3	6	1.4	8	-83
FINLAN	HELSINKI	9	2	18	-4	6	0.5	10	-65	NZEALA	AUCKLAND	18	12	22	8	15	*****	42	*****
FRANCE	PARIS/ORLY	15	8	22	2	12	-0.6	45	-13		WELLINGTON	16	10	19	5	13	*****	18	*****
	STRASBOURG	15	7	22	0	11	0.5	21	-32	P RICO	SAN JUAN	33	26	35	23	29	1.6	39	-89
	BOURGES	15	7	22	1	11	-0.2	46	-21	PAKIST	KARACHI	35	25	41	21	30	2.1	0	*****
	BORDEAUX	18	10	26	2	14	0.3	52	-42	PERU	LIMA	23	18	25	16	20	2.5	4	1
	TOULOUSE	20	10	27	2	15	1.0	17	-35	PHILIP	MANILA	32	26	34	24	29	0.5	141	-58
	MARSEILLE	20	11	27	3	16	0.0	52	-32	PNEWGU	PORT MORESBY	30	24	32	22	27	0.5	1	-32
GABON	LIBREVILLE	29	25	30	23	27	1.1	235	-172	POLAND	WARSAW	12	4	22	-3	8	-0.4	41	2
GERMAN	HAMBURG	13	6	19	0	10	0.0	39	-25		LODZ	12	3	23	-4	8	-1.4	34	1
	BERLIN	13	6	21	0	9	-0.5	62	25		KATOWICE	13	4	23	-1	8	-1.0	24	-23
	DUSSELDORF	14	7	21	-1	10	-1.4	49	-26	PORTUG	LISBON	22	16	27	13	19	0.9	166	90
	LEIPZIG	12	5	21	-1	9	-1.2	52	11	ROMANI	BUCHAREST	16	6	24	-2	11	-0.3	71	30
	DRESDEN	12	6	20	-3	9	-1.7	73	27	RUSSIA	ST.PETERSBURG	8	3	17	-1	6	0.1	27	-35
	STUTTGAERT	13	6	22	0	10	-0.3	20	-39		KAZAN	5	1	16	-5	3	-0.7	47	-3
	NURNBERG	13	5	21	-1	9	0.2	43	-8		MOSCOW	7	2	18	-6	5	-0.5	22	-42
	AUGSBURG	12	5	22	-1	9	-0.6	57	2		YEKATERINBURG	2	-2	10	-14	0	-2.2	72	32
GREECE	THESSALONIKA	21	14	26	6	17	1.1	92	48		OMSK	5	-1	19	-12	2	-0.8	90	62
	LARISSA	21	13	28	5	17	1.3	110	61		BARNAUL	9	2	26	-7	6	2.2	37	-4
	ATHENS	24	17	29	12	20	0.9	79	52		KHABAROVSK	9	0	21	-11	5	-0.1	72	24
GUADEL	RAIZET	32	25	33	23	28	1.4	141	-56		VLADIVOSTOK	12	7	19	-1	9	0.7	96	33
HONGKO	HONG KONG INT	30	25	34	20	27	1.5	213	93		VOLGOGRAD	11	1	23	-6	6	-1.9	20	0
HUNGAR	BUDAPEST	15	7	24	1	11	-0.1	99	61		ASTRAKHAN	14	4	25	-4	9	-0.8	6	-12
ICELAN	REYKJAVIK	***	***	11	1	***	*****	*****	*****		ORENBURG	8	1	19	-10	5	-0.7	16	-20
INDIA	AMRITSAR	32	18	35	12	25	0.9	16	1	S AFRI	JOHANNESBURG	29	14	32	9	21	4.8	21	-55
	NEW DELHI	34	21	37	16	28	1.4	0	-16		BETHAL	29	12	35	5	21	4.2	56	-29
	AHMEDABAD	37	23	39	17	30	1.2	0	-20		DURBAN	25	18	31	13	22	1.5	23	-79
	INDORE	34	19	37	15	27	1.5	5	-40		CAPE TOWN	23	13	31	6	18	2.0	5	-25
	CALCUTTA	33	24	36	20	29	0.8	26	-87	S KORE	SEOUL	21	11	27	1	16	1.5	84	23
	VERAVAL	36	26	39	21	31	2.6	0	-23	SAMOA	PAGO PAGO	29	25	31	22	27	-0.3	209	-46
	BOMBAY	35	24	39	20	30	1.3	32	-66	SENEGA	DAKAR	***	***	37	24	***	*****	*****	*****
	POONA	33	20	34	17	26	1.4	76	-3	SPAIN	VALLADOLID	19	9	24	1	14	0.8	55	12
	BEGAMPET	32	22	34	19	27	1.2	2	-108		MADRID	21	11	26	4	16	1.0	56	18
	VISHAKHAPATNAM	32	26	35	22	29	1.4	193	-46		SEVILLE	25	16	32	12	21	0.8	123	69
	MADRAS	33	24	36	22	29	0.4	172	-112	SWITZE	ZURICH	13	7	20	1	10	0.3	44	-41
	MANGALORE	32	24	34	22	28	0.6	236	38		GENEVA	14	7	19	1	10	-0.1	36	-55
INDONE	SERANG	34	23	35	22	29	0.7	29	-77	SYRIA	DAMASCUS	30	14	36	7	22	3.5	9	1
IRELAN	DUBLIN	14	7	18	0	11	0.0	49	-24	TAHITI	PAPEETE	29	23	30	21	26	0.5	79	-22
ITALY	MILAN	18	11	23	5	14	0.6	78	-39	TANZAN	DAR ES SALAAM	33	22	35	20	27	2.2	14	-52
	VENICE	18	11	22	7	15	1.0	222	150	THAILA	PHITSANULOK	33	24	36	21	29	0.4	77	-78
	GENOA	20	14	24	10	17	-0.8	53	-122		BANGKOK	33	26	36	24	29	1.1	334	71
	ROME	21	12	24	6	16	-0.8	153	38	TOGO	LOME	31	25	32	24	28	1.6	4	-95
	NAPLES	22	15	26	7	18	1.1	0	-131	TRINID	PORT OF SPAIN	34	25	36	24	29	2.2	127	-66
JAMAIC	KINGSTON	33	26	35	25	29	1.2	171	43	TUNISI	TUNIS	27	18	34	14	23	2.2	39	-15
JAPAN	SAPPORO	15	7	22	2	11	-0.1	102	-26	TURKEY	ISTANBUL	20	15	26	11	18	1.3	58	-10
	NAGOYA	24	14	27	8	19	1.2	66	-54		ANKARA	20	8	26	0	14	2.4	51	20
	TOKYO	23	15	28	10	19	0.6	59	-106	TURKME	ASHKHABAD	23	12	40	3	18	1.8	41	26
	YOKOHAMA	23	16	27	12	19	1.2	56	-149	UKINGD	ABERDEEN	13	7	21	0	10	1.0	92	8
	KYOTO	24	14	28	8	19	0.6	39	-84		LONDON	16	9	19	4	13	0.8	40	-31
	OSAKA	24	15	26	10	19	0.6	41	-71	UKRAIN	KIEV	12	3	24	-3	8	-0.3	39	3
KAZAKH	KUSTANAY	7	-1	21	-12	3	-0.8	32	6		LVOV	12	3	23	-3	8	-0.3	51	-2
	TSELINOGRAD	8	1	23	-11	5	-0.4	18	-10		KIROVOGRAD	13	2	25	-6	8	-1.1	23	-5
	KARAGANDA	9	0	25	-14	5	0.6	38	12		ODESSA	14	8	21	2	11	-0.1	60	32
KENYA	NAIROBI	28	15	30	10	22	1.8	53	15		KHARKOV	11	1	24	-7	6	-1.4	5	-36
LITHUA	KAUNAS	10	3	19	-4	6	-0.6	18	-31	UZBEKI	TASHKENT	21	9	35	-1	15	1.8	89	61
LUXEMB	LUXEMBOURG	12	7	18	1	9	-0.2	26	-57	VENEZU	CARACAS	***	***	34	23	***	*****	15	-32
MALAYS	KUALA LUMPUR	33	25	35	24	29	1.9	425	175	YUGOSL	BELGRADE	17	9	26	4	13	0.5	71	20
MALI	BAMAKO	***	***	36	21	***	*****	*****	*****	ZAMBIA	LUSAKA	32	19	36	14	26	0.6	0	-11
MARSHA	MAJURO	30	27	31	24	29	1.0	266	-79	ZIMBAB	KADOMA	32	***	36	15	***	*****	11	-20
MARTIN	LAMENTIN	32	26	35	24	29	2.0	118	-124										
MAURIT	NOUAKCHOTT	***	***	40	24	***	*****	*****	*****										
MEXICO	GUADALAJARA	26	17	31	13	21	2.2	96	27										
	TLAXCALA	24	11	28	5	18	1.0	25	-36										
	ORIZABA	25	17	32	14	21	2.3	137	-64										
MOROCC	CASABLANCA	26	19	34	14	22	2.9	26	-7										

Based on Preliminary Reports

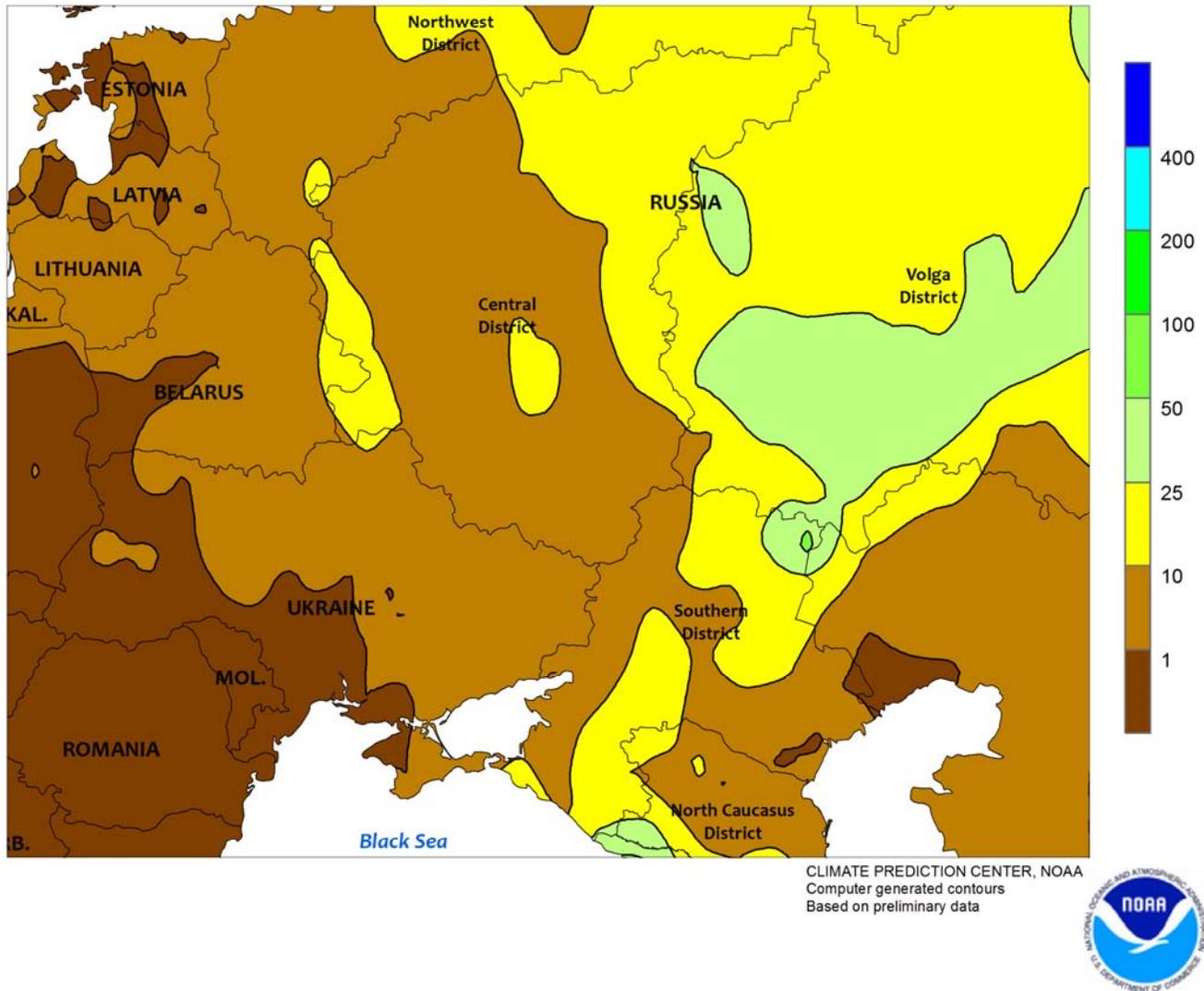


**EUROPE**

Sunny skies over much of central and eastern Europe contrasted with showery weather over western and southern growing areas. A broad area of high pressure over eastern Europe maintained dry, increasingly mild weather from Germany into Poland and southeastern Europe. The sunny skies facilitated cotton drydown and harvesting in Greece as well as a resumption of corn harvesting in the Balkans, previously delayed by wet weather at the end of October. In addition, weekly average temperatures well above 5°C (as high as 9°C) facilitated winter crop establishment.

Meanwhile, a slow-moving storm system over the central Mediterranean produced widespread rainfall (10-50 mm) across Italy, boosting soil moisture for winter wheat planting but slowing summer crop harvesting efforts. Highly variable showers (2-50 mm, locally more) sustained favorable soil moisture for winter wheat and rapeseed across Spain, France, and the United Kingdom, with average temperatures up to 4°C above normal in these western locales accelerating winter crop emergence and development.

WESTERN FSU  
 Total Precipitation (mm)  
 OCT 25 - 31, 2015

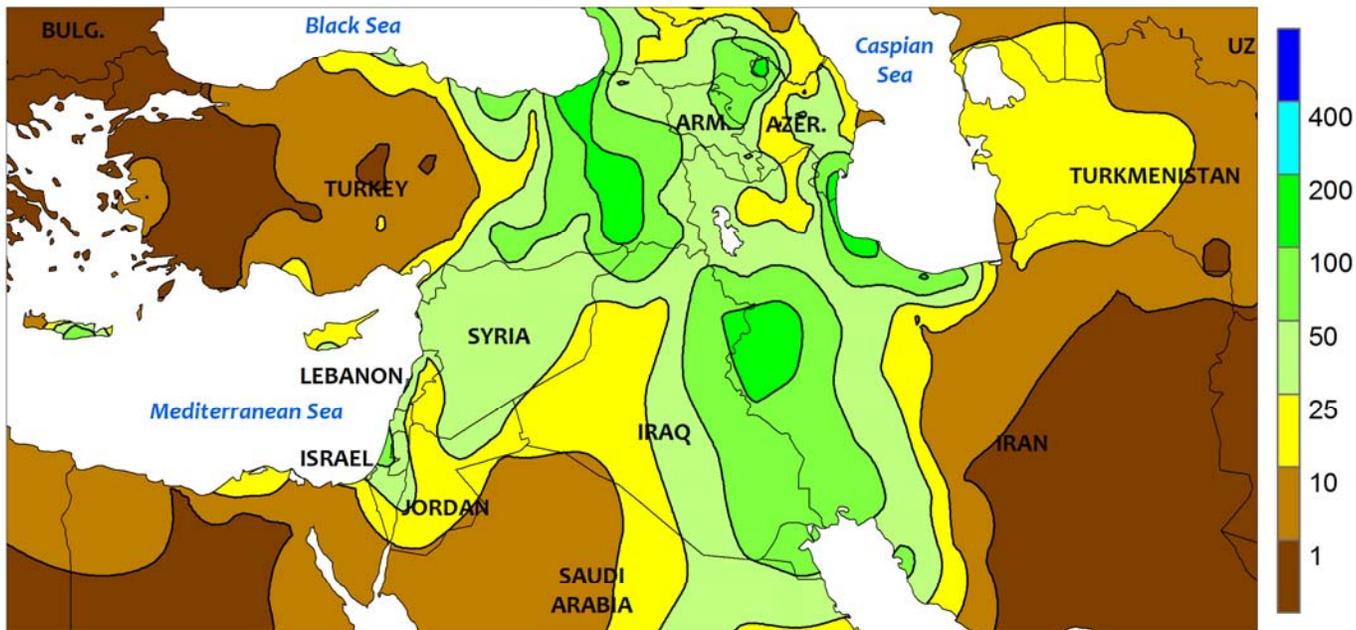


**WESTERN FSU**

Unrelenting drought in parts of Ukraine and Russia’s Central District contrasted with additional beneficial rainfall in southern and central Russia. In western-most growing areas, sunny skies and near-normal temperatures followed last week’s rain, encouraging winter wheat development from Moldova into western Ukraine. Meanwhile, scattered light showers (mostly less than 5 mm) in central and eastern Ukraine as well as southern portions of Russia’s Central District offered little — if any — relief from drought; over the past 90 days, precipitation has tallied a meager 25 percent of normal or less in many of these core drought areas.

Consequently, prospects for winter wheat establishment are bleak where crops were sown due to a lack of moisture and the approach of seasonally colder weather. Farther east, a slow-moving cold front produced 5 to 30 mm of rainfall from the eastern Black Sea Coast northeastward into the Volga District, further improving soil moisture for winter wheat. However, only crops in the North Caucasus and lower Southern Districts were able to benefit from the moisture, as weekly average temperatures from the central Southern District (Rostov Oblast) northward were below 5°C, indicating crops in these northerly locales were dormant.

MIDDLE EAST  
Total Precipitation (mm)  
OCT 25 - 31, 2015



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

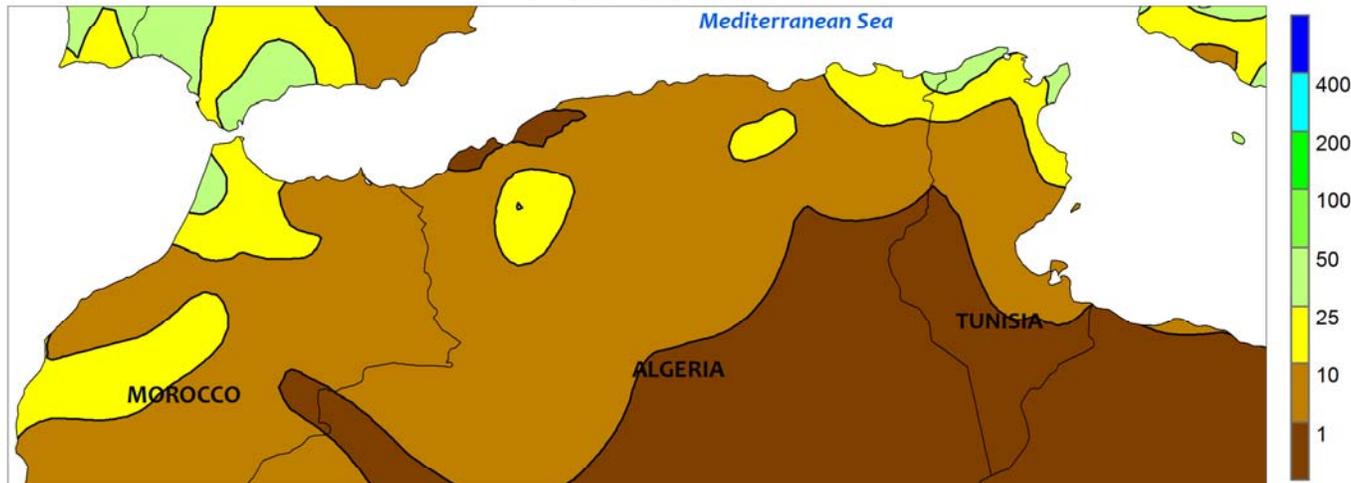


**MIDDLE EAST**

Heavy to excessive rainfall in central portions of the region contrasted with a return of drier weather in western growing areas. A slow-moving upper-air disturbance coupled with an abundance of tropical moisture produced widespread heavy rain from eastern portions of Turkey and the Mediterranean Coast into western Iran. In Jordan, Israel, Lebanon, and Syria, the rain totaled 10 to 57 mm, which caused local flooding but boosted soil moisture for winter grain planting (mean sowing date is in late November). In eastern Turkey, rainfall in excess of 150 mm caused river flooding but boosted reservoir levels for irrigated crops. In Iraq, moderate to heavy rain (30-105

mm) soaked fields in advance of winter grain planting, which typically occurs during the latter half of November. In western Iran, where winter wheat is planted sooner (mean planting date in early October), a widespread soaking (25-70 mm) was generally beneficial for winter wheat and barley establishment. However, pockets of excessive rainfall (125-215 mm) in west-central Iran caused flooding, damaged infrastructure, and likely necessitated some replanting of winter crops. In contrast, drier weather returned to western Turkey's cotton areas, allowing late harvesting to resume following heavy rain at the end of October.

NORTHWESTERN AFRICA  
Total Precipitation (mm)  
OCT 25 - 31, 2015



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

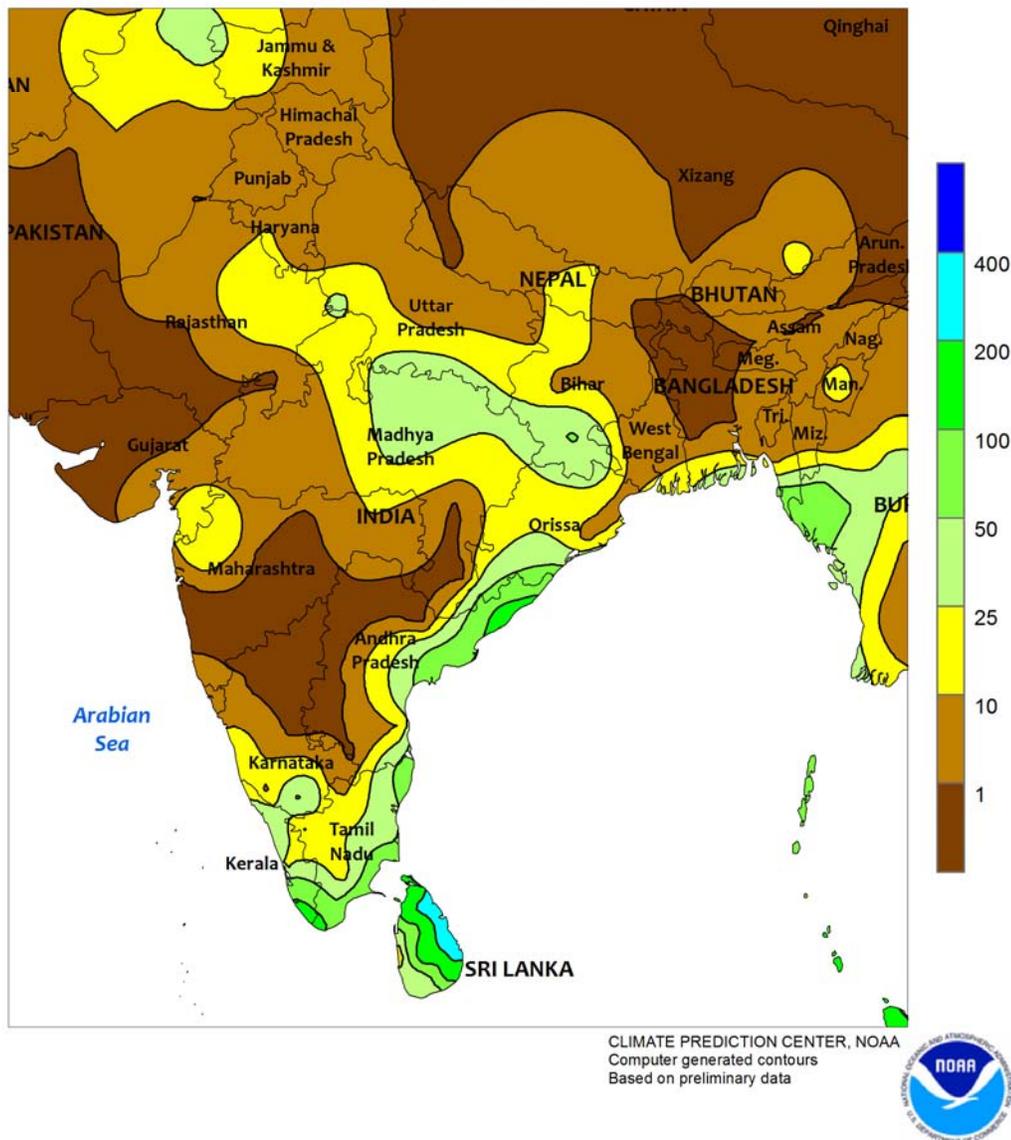


#### NORTHWESTERN AFRICA

Unsettled autumn weather continued, with widespread showers sustaining adequate to abundant soil moisture for winter grain planting and establishment. Rain totaled 5 to 30 mm in most growing areas, though western portions of Algeria were

generally dry during the past week. Winter wheat and barley are typically sown during November, though some planting likely commenced earlier this year due to the rain, which started in October in the west and September in the east.

SOUTH ASIA  
Total Precipitation (mm)  
OCT 25 - 31, 2015

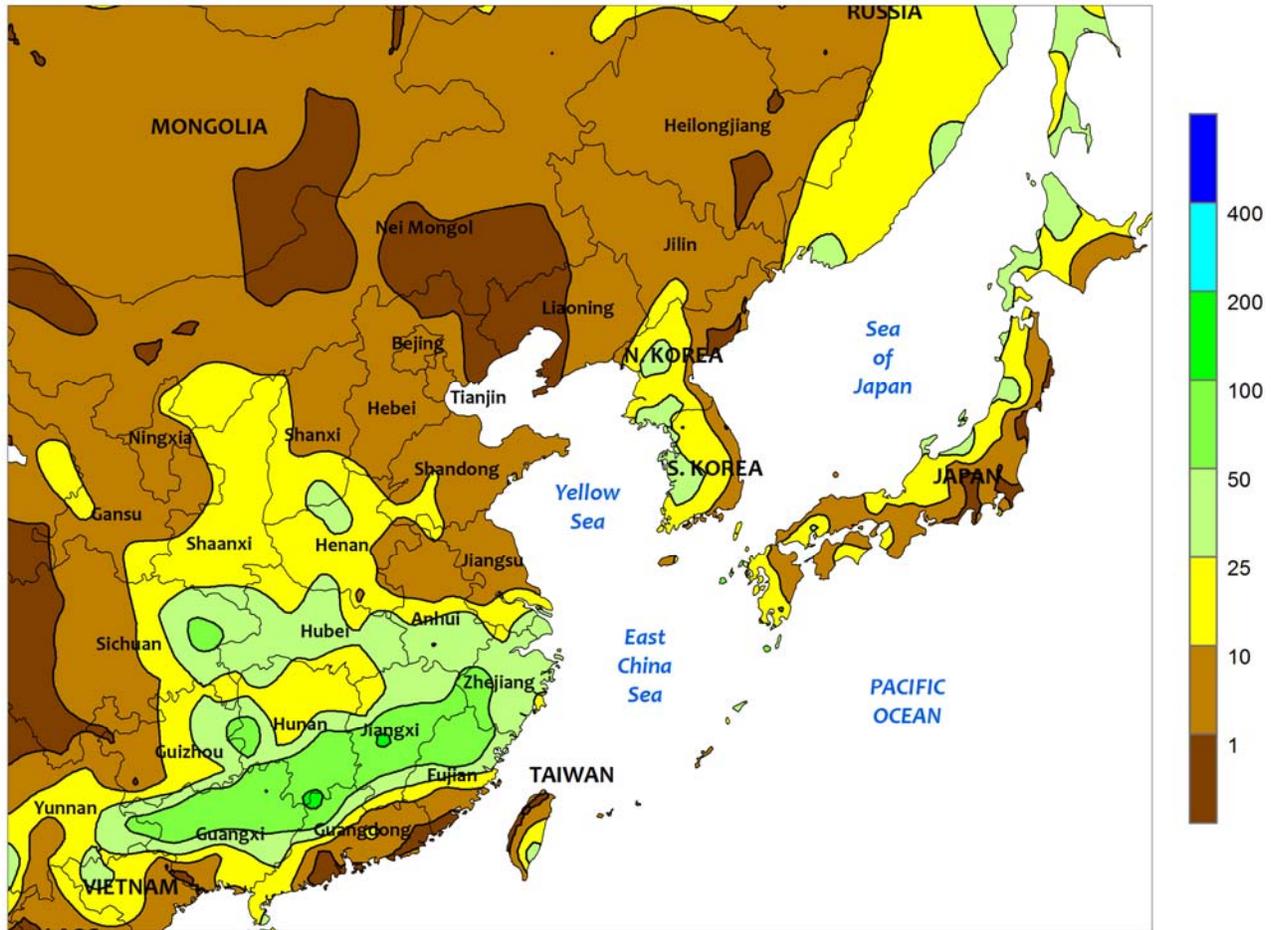


**SOUTH ASIA**

Unseasonable showers (25-50 mm) passed through eastern grain areas of India (Madhya Pradesh, Bihar and Orissa). The rainfall slowed summer (kharif) crop harvesting but boosted water reserves for irrigating winter (rabi) crops. Showers were more seasonable along the eastern coast of India, extending from southern Orissa to Tamil Nadu. Upwards of 150 mm of rain benefited winter (rabi) rice as well as late-season groundnuts and cotton. In other parts of India, mostly dry weather continued to facilitate summer (kharif) crop harvesting and winter (rabi) wheat and rapeseed planting in northern

India. Water supplies for wheat and rapeseed in northern India were generally adequate, although some areas received below-normal rainfall during the summer monsoon season, limiting recharge of water supplies. In other parts of the region, dry weather accelerated wheat planting in northern Pakistan, as dry weather aided summer (aman) rice harvesting in Bangladesh. Heavy showers (50-100 mm) in Sri Lanka kept newly established winter (maha) rice well watered, although upwards of 300 mm of rain in eastern areas likely submerged some low standing rice.

EASTERN ASIA  
 Total Precipitation (mm)  
 OCT 25 - 31, 2015



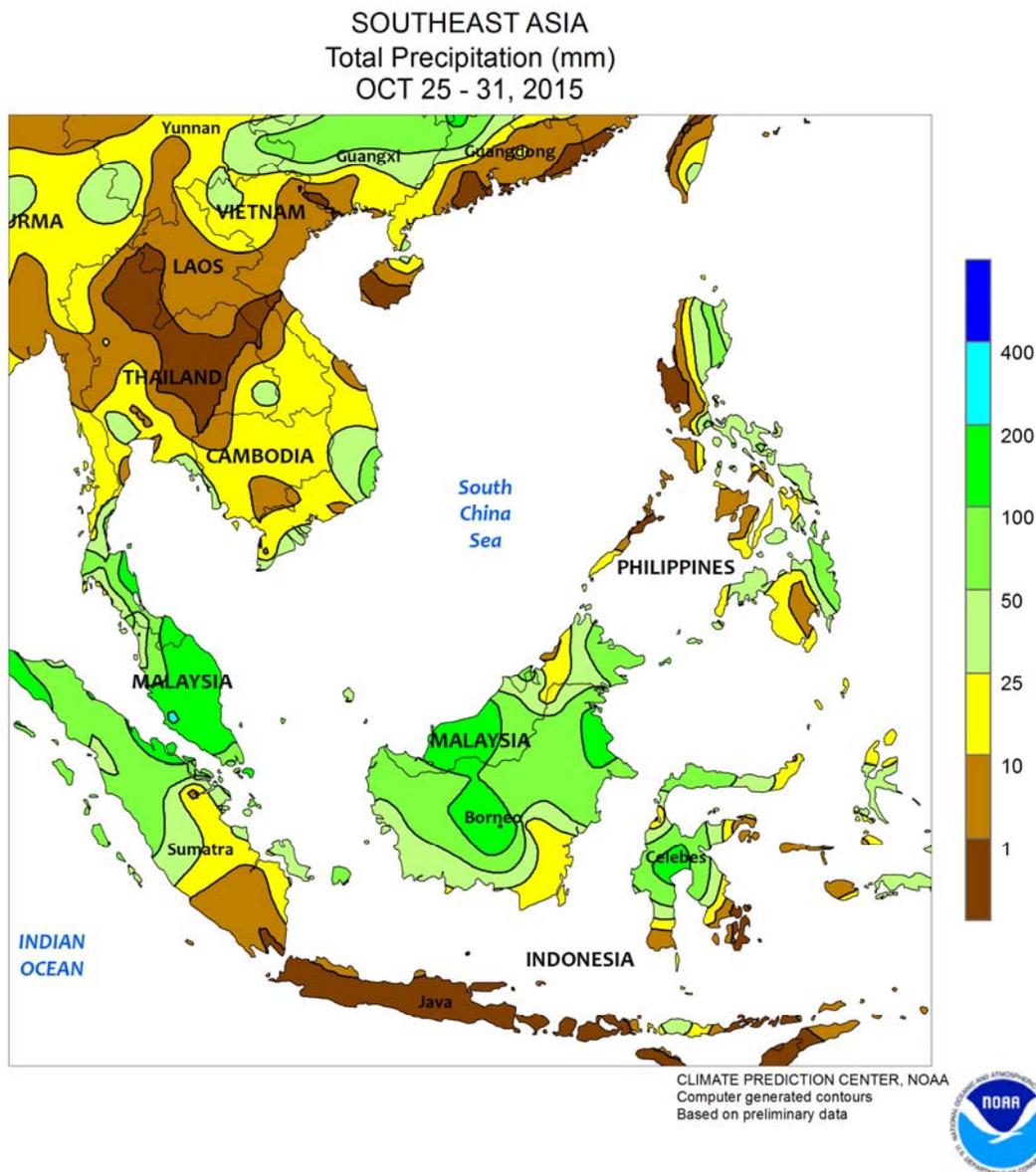
CLIMATE PREDICTION CENTER, NOAA  
 Computer generated contours  
 Based on preliminary data



**EASTERN ASIA**

Light showers (less than 10 mm) provided beneficial moisture to emerging winter wheat across eastern portions of the North China Plain (Hebei, Shandong, and norther Anhui and Jiangsu), while higher totals (10-25 mm) were reported in western sections (Henan and southern Shanxi). In

addition, cooler weather (temperatures averaging 1-3°C below normal) kept the newly emerged crop in good condition. Farther south, periodic rainfall produced upwards of 50 mm in the Yangtze Valley, boosting moisture supplies for emerging winter rapeseed.

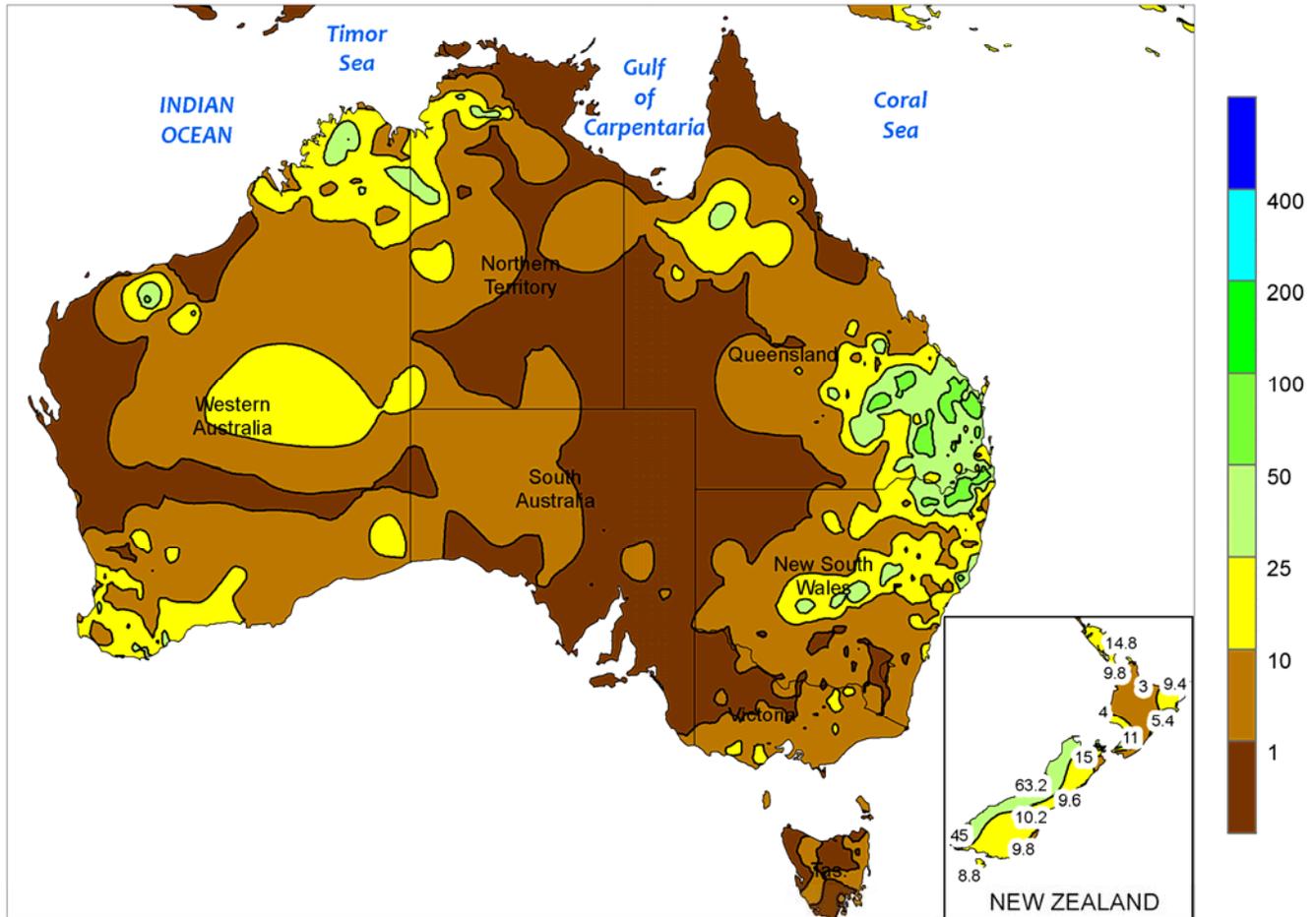


**SOUTHEAST ASIA**

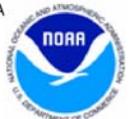
Seasonably drier weather was overspreading Thailand and surrounding environs in Indochina, marking the end of the rainy season. The lack of any significant late-season rainfall left reservoir levels much lower than last year at the same time and threatened to leave dry-season rice with insufficient water. In Vietnam, winter-spring rice transplanting continued under generally dry conditions but with sufficient water supplies for proper establishment. Drier weather was also observed in the western Philippines, easing lingering wetness from Tropical Cyclone Koppu and facilitating rice and corn harvesting.

Meanwhile, seasonal showers (25-60 mm) were increasing in eastern growing areas, where winter rice cultivation was underway. In southern portions of the region, showers (50-100 mm) overspread much of Malaysia and oil palm areas of Indonesia, slowing oil palm harvesting but keeping trees well watered. In contrast, rainfall remained absent in Java, Indonesia, as growers continued to await the onset of seasonal rain for wet-season rice cultivation. So far, the arrival of seasonal rainfall has been about 1 week behind the normal onset date.

AUSTRALIA  
 Total Precipitation (mm)  
 OCT 25 - 31, 2015



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

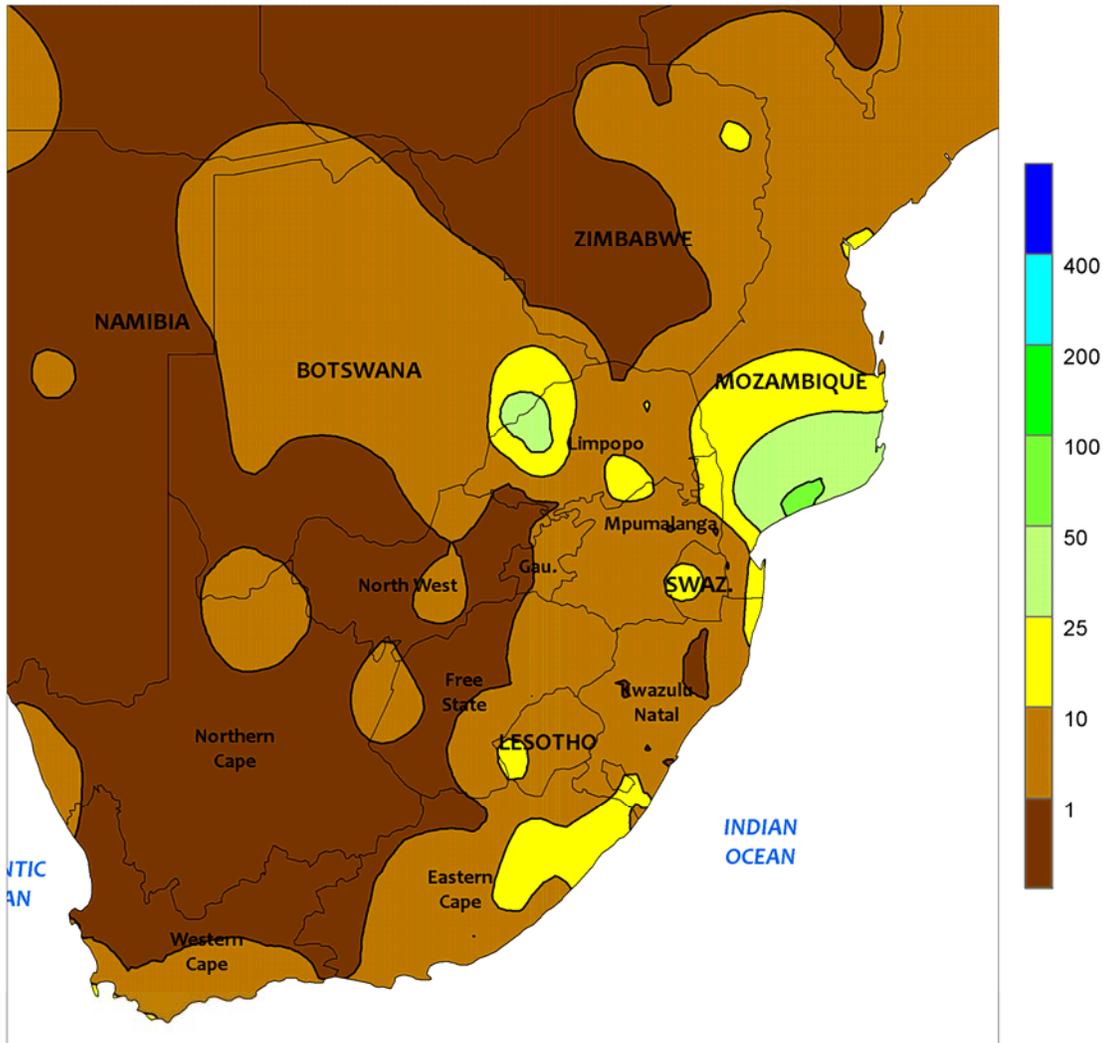


**AUSTRALIA**

In Western Australia, scattered showers (5-25 mm) in the south favored immature winter grains, while mostly dry weather in the north aided winter crop maturation and early harvesting. In South Australia and northern Victoria, unfavorably hot and dry weather further reduced the yield potential of filling wheat but helped dry earlier maturing winter crops, such as barley and canola. Elsewhere in the wheat belt, widespread showers in eastern Australia benefited immature winter grains in central and southern New South Wales but likely slowed maturation and harvesting on farms farther north. Many locations received 5 to 25 mm of rain,

while locally more than 50 mm of rain fell in southern Queensland. The rain in eastern Australia was very beneficial for summer crops, providing a much-needed boost in topsoil moisture for vegetative crops while spurring additional planting in its wake. Temperatures in eastern Australia averaged up to 2°C above normal, with maximum temperatures in the lower 30s degrees C. In southern and western Australia, temperatures averaged 2 to 5°C above normal, with the hottest weather located in northern Victoria, where maximum temperatures approached 35°C at the beginning and the end of the week.

SOUTH AFRICA  
Total Precipitation (mm)  
OCT 25 - 31, 2015



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

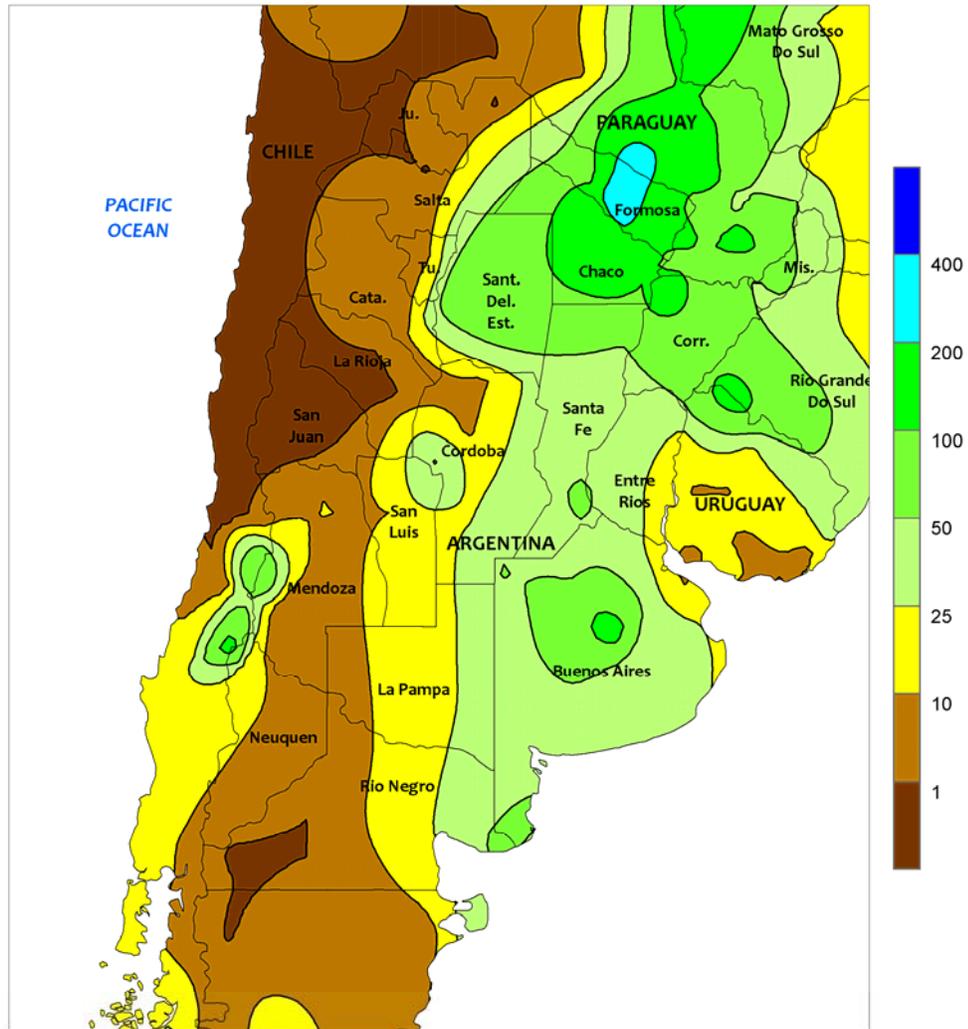


**SOUTH AFRICA**

Warm, dry weather dominated the region, further reducing topsoil moisture for germination of summer crops. Little to no rain fell in the corn belt (North West and Free State to Mpumalanga and Limpopo), although several locations recorded more than 10 mm of rainfall. Weekly temperatures averaged 3 to 4°C above normal (daytime highs reaching the middle and upper 30s degrees C), maintaining high evaporative losses. It was the second week of dryness in eastern production areas (in and around Mpumalanga), where corn planting is typically underway during the month of

October. Additional moisture is needed to ensure uniform emergence of rain-fed crops. Mostly dry weather also continued in sugarcane areas of KwaZulu-Natal and eastern Mpumalanga; daytime highs in the middle and upper 30s necessitated irrigation of crops where available. Showers (greater than 10 mm) increased moisture supplies in eastern sections of Eastern Cape, but warmth and dryness dominated the remainder of the Cape Provinces. Hot weather (daytime highs in excess of 40°C) accelerated maturation and drydown of winter wheat in major production areas of Western Cape.

ARGENTINA  
Total Precipitation (mm)  
OCT 25 - 31, 2015



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

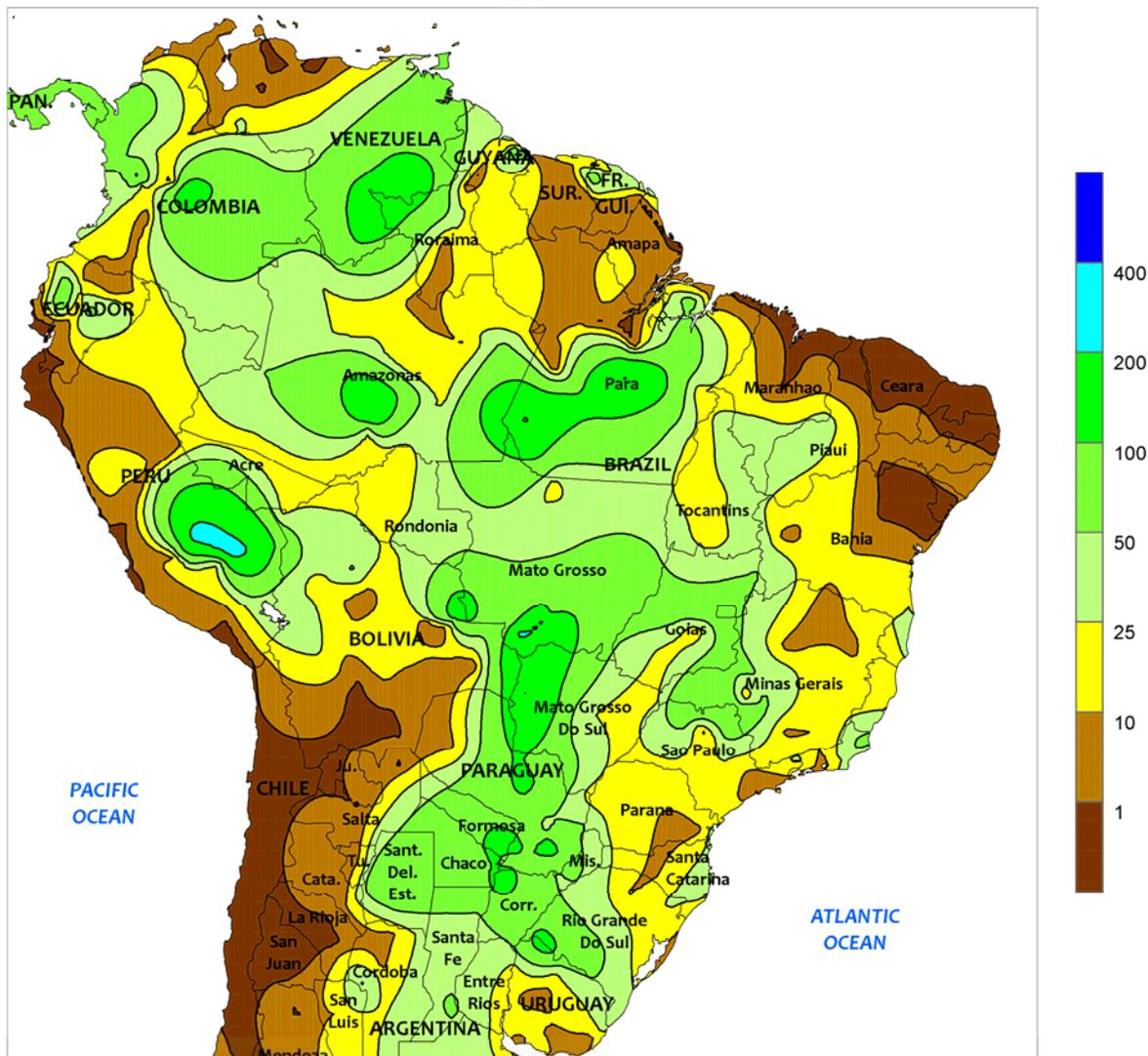


**ARGENTINA**

Rainfall became more widespread throughout most major agricultural areas, providing timely moisture for winter grains and emerging summer crops. Rainfall totaled 25 to 100 mm — locally higher — across a broad area stretching from eastern La Pampa and Buenos Aires northward through Santiago del Estero, Chaco, and Formosa. The moisture was particularly beneficial to northwestern farming areas (Cordoba northward) that have recorded below-normal rainfall thus far in the season. Weekly temperatures averaged near to below normal in southwestern farming areas (in and around La Pampa), though no freezes were recorded. In spite

of the generally cooler conditions, daytime highs briefly reached the lower 30s in the vicinity of southern Cordoba, hastening crop development. Warmer conditions occurred farther north, where weekly average temperatures were generally 1 to 2°C above normal. Temperatures reached the middle and upper 30s at midweek, otherwise daytime highs ranged from the middle 20s to lower 30s. According to Argentina’s Ministry of Agriculture, sunflowers were 31 percent planted as of October 29, compared with 45 percent last year. Similarly, corn was reportedly 31 percent planted, 2 points behind last year’s pace.

BRAZIL  
Total Precipitation (mm)  
OCT 25 - 31, 2015



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

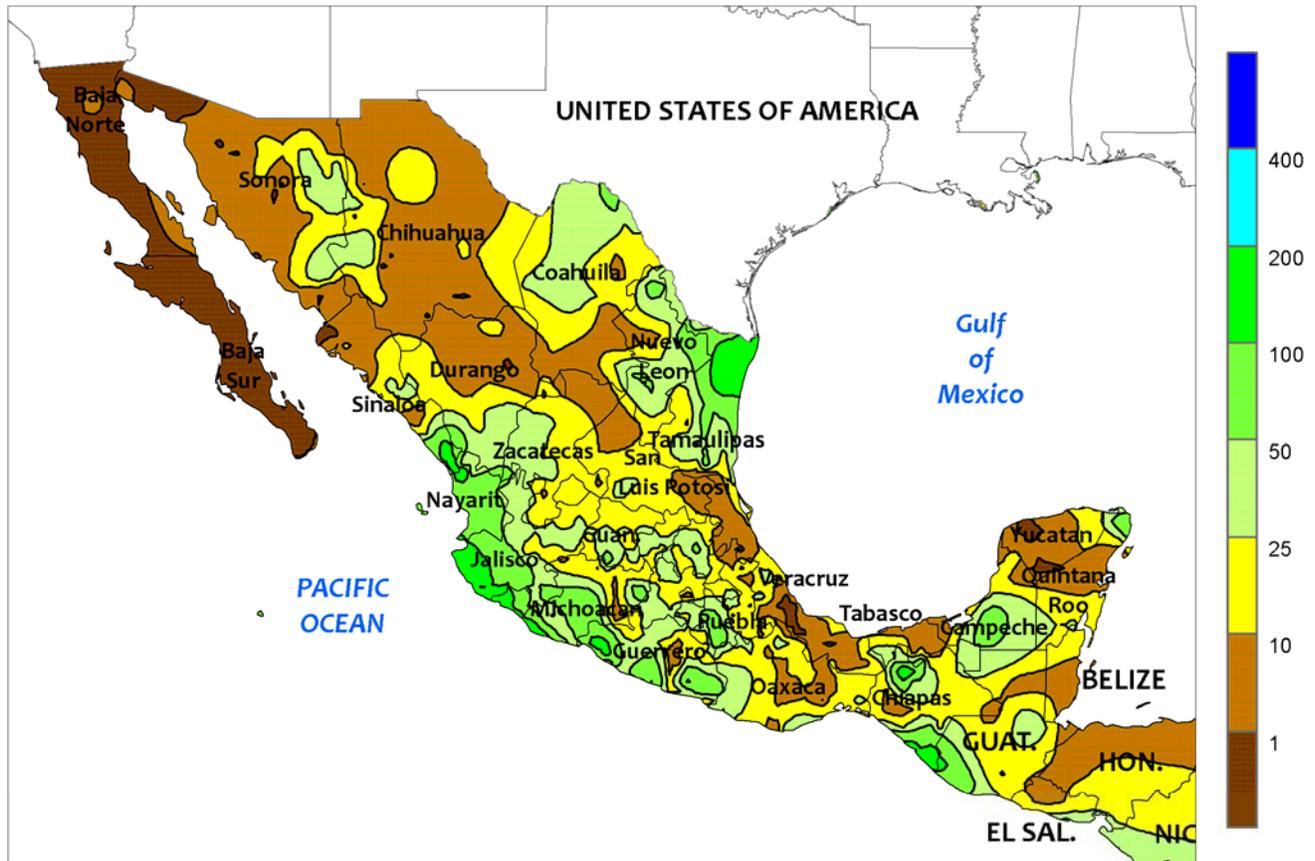


**BRAZIL**

Seasonal rainfall intensified throughout the main soybean areas of central Brazil, providing timely moisture for planting in areas previously experiencing delays due to dryness. Rainfall totaling 25 to 75 mm covered a large area stretching from Mato Grosso and Mato Grosso do Sul to Minas Gerais and Tocantins. This region typically accounts for more than half of Brazil's soybean production. The rainfall also helped to lower temperatures to more seasonable levels; daytime highs commonly reached the lower to middle 30s (degrees C) in the aforementioned areas, down from the lower 40s recorded last week before the onset of the rainier weather. Favorably milder conditions also improved sugarcane and

coffee prospects in southeastern Brazil (Sao Paulo and Minas Gerais). In contrast to the increasing rainfall in central agricultural areas, amounts were generally lighter than in recent weeks in southern Brazil, totaling less than 25 mm from northern Parana to eastern Rio Grande do Sul. The drop in rainfall favored seasonal fieldwork, in particular wheat harvesting, which was winding down in Parana but still in full swing in Rio Grande do Sul. According to reports emanating from Brazil, wheat was approximately 40 percent harvested in Rio Grande do Sul as of October 29. Harvesting was likely nearing completion in Parana, Brazil's leading producer of wheat.

MEXICO  
Total Precipitation (mm)  
OCT 25 - 31, 2015



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



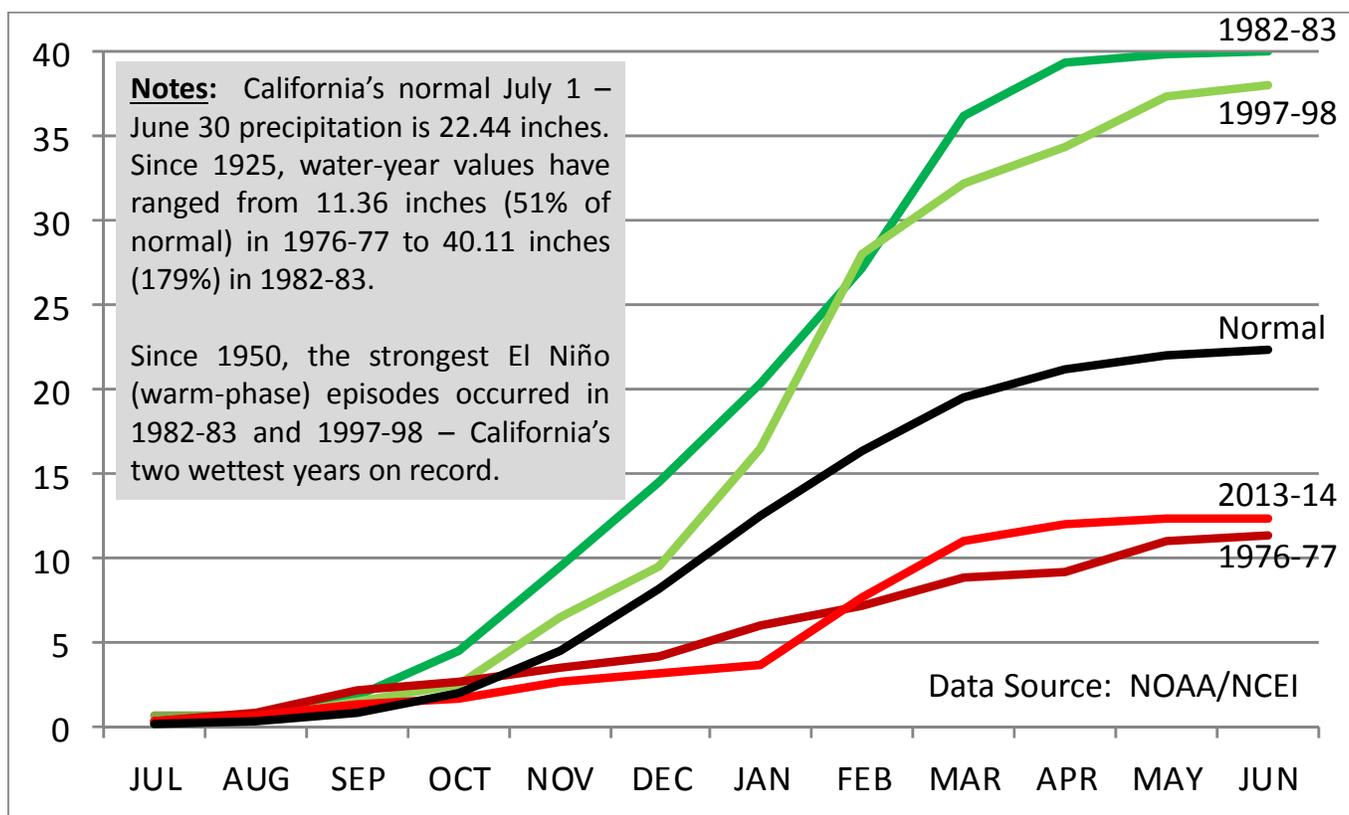
**MEXICO**

Late-season showers boosted reservoir levels in parts of central and northern Mexico. Moderate to heavy rain (10-50 mm) fell on the southern plateau and along the southern Pacific Coast. The rain came too late to significantly impact maturing summer crops, other than to slow fieldwork and possibly cause additional localized flooding following last week's passage of Hurricane Patricia. The remnants of Patricia contributed to the rainfall (10 to more than 100 mm) in the northeast as the storm exited the region during the early part of the week. Scattered showers (10-50 mm) also returned to parts of the northwest (notably eastern Sonora and neighboring locations in

Chihuahua). Elsewhere, scattered, generally light rain (less than 25 mm in most areas) fell in the southeast. Virtually no rain fell over large sections of Veracruz and Campeche, bringing some relief from last week's excessive moisture. The rainy season typically winds down at this time of year over major sugarcane areas in and around Veracruz, ushering in the first stages of harvesting.

*This is the final weekly summary of the season; coverage will resume in April, 2016, in anticipation of the start of summer crop planting.*

## California, Cumulative Rainfall (Inches), July 1 to June 30 Wettest and Driest Water Years Since 1925



By the end of October 1997, only 7% of the water-year precipitation (2.60 of 38.10 inches) that would eventually fall in California had occurred. On October 31, 1982, eleven percent (4.51 of 40.11 inches) had fallen. Interestingly, in 1976, almost one-quarter (24%, or 2.71 of 11.36 inches) of the water-year precipitation had fallen by October 31. The "normal" value through October 31 is 9% (2.07 of 22.44 inches).

The *Weekly Weather and Crop Bulletin* (ISSN 0043-1974) is jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. The contents may be redistributed freely with proper credit.

Correspondence to the meteorologists should be directed to:  
**Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 4443B, Washington, DC 20250.**

Internet URL: <http://www.usda.gov/oce/weather>

E-mail address: [brippey@oce.usda.gov](mailto:brippey@oce.usda.gov)

The *Weekly Weather and Crop Bulletin* and archives are maintained on the following USDA Internet URL:

<http://www.usda.gov/oce/weather/pubs/Weekly/Wwcb/index.htm>

### U.S. DEPARTMENT OF AGRICULTURE

#### World Agricultural Outlook Board

Managing Editor.....**Brad Rippey** (202) 720-2397

Production Editor.....**Brian Morris** (202) 720-3062

International Editor.....**Mark Brusberg** (202) 720-2012

Editorial Advisor.....**Charles Wilbur**

Agricultural Weather Analysts..... **Harlan Shannon and Eric Luebehusen**

### National Agricultural Statistics Service

Agricultural Statistician and State Summaries Editor.....

**Scott Matthews** (202) 720-7621

### U.S. DEPARTMENT OF COMMERCE

#### National Oceanic and Atmospheric Administration

#### National Weather Service/Climate Prediction Center

Meteorologists.....**David Miskus, Brad Pugh, Adam Allgood, and Randy Schechter**

USDA is an equal opportunity provider and employer. To file a complaint of discrimination, write: USDA, Office of the Assistant Secretary for Civil Rights, Office of Adjudication, 1400 Independence Ave., SW, Washington, DC 20250-9410 or call (866) 632-9992 (Toll-Free Customer Service), (800) 877-8339 (Local or Federal relay), (866) 377-8642 (Relay voice users).