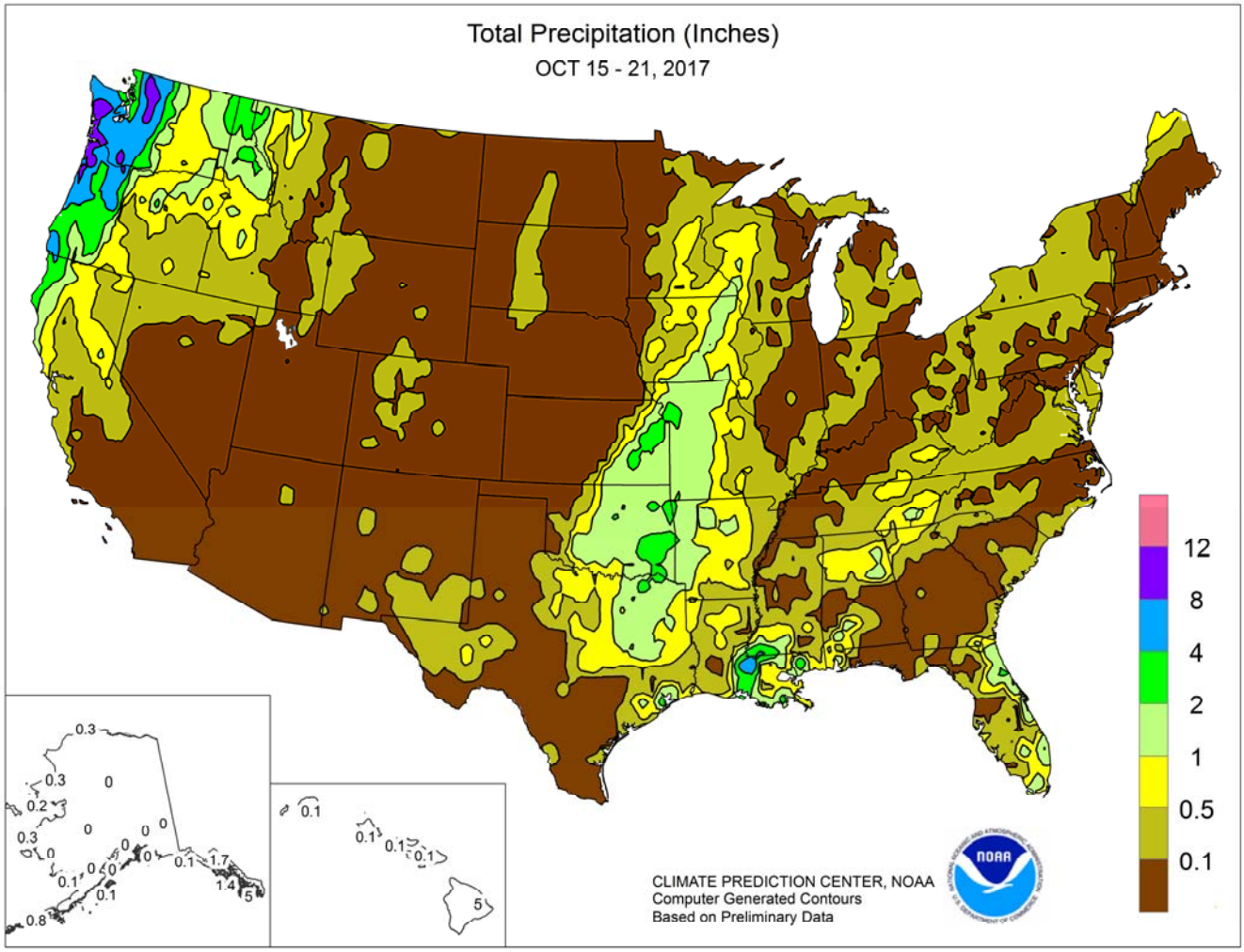
Volume 104, No. 43 http://www.usda.gov/oce/weather October 24, 2017

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 15 – 21, 2017

Highlights provided by USDA/WAOB

Multiple rounds of heavy precipitation overspread the **Northwest**, where weekly totals **west of the Cascades** generally ranged from 4 to 12 inches. Rain and high-elevation snow also reached the **northern Rockies** and briefly spread southward across **northern California**. In the latter region, the October 20-21 precipitation event aided wildfire containment efforts. Late-week rain also developed across the **nation's mid-section**, stretching from the **upper Mississippi Valley southward to the Gulf Coast**. On October 21, locally severe thunderstorms

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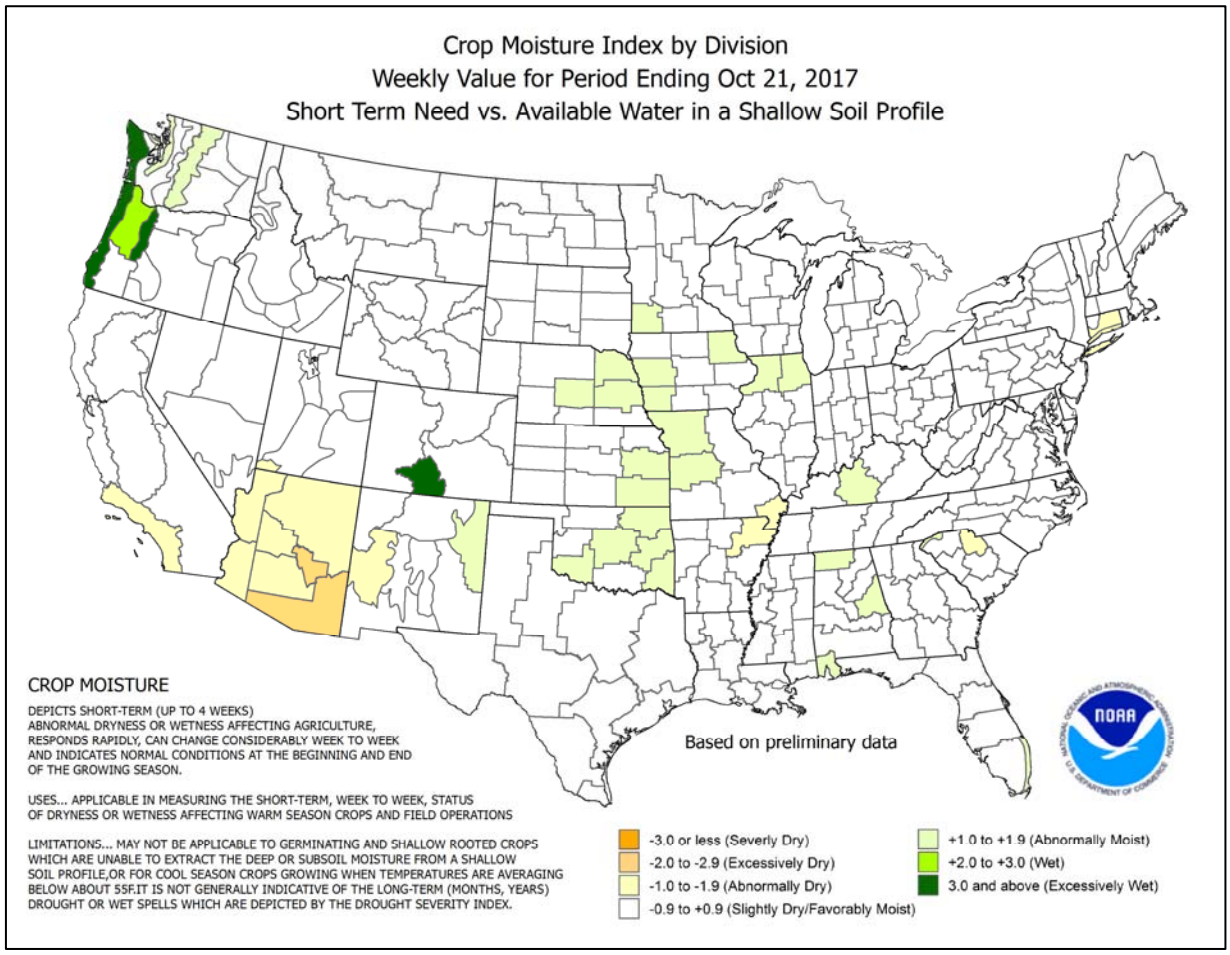
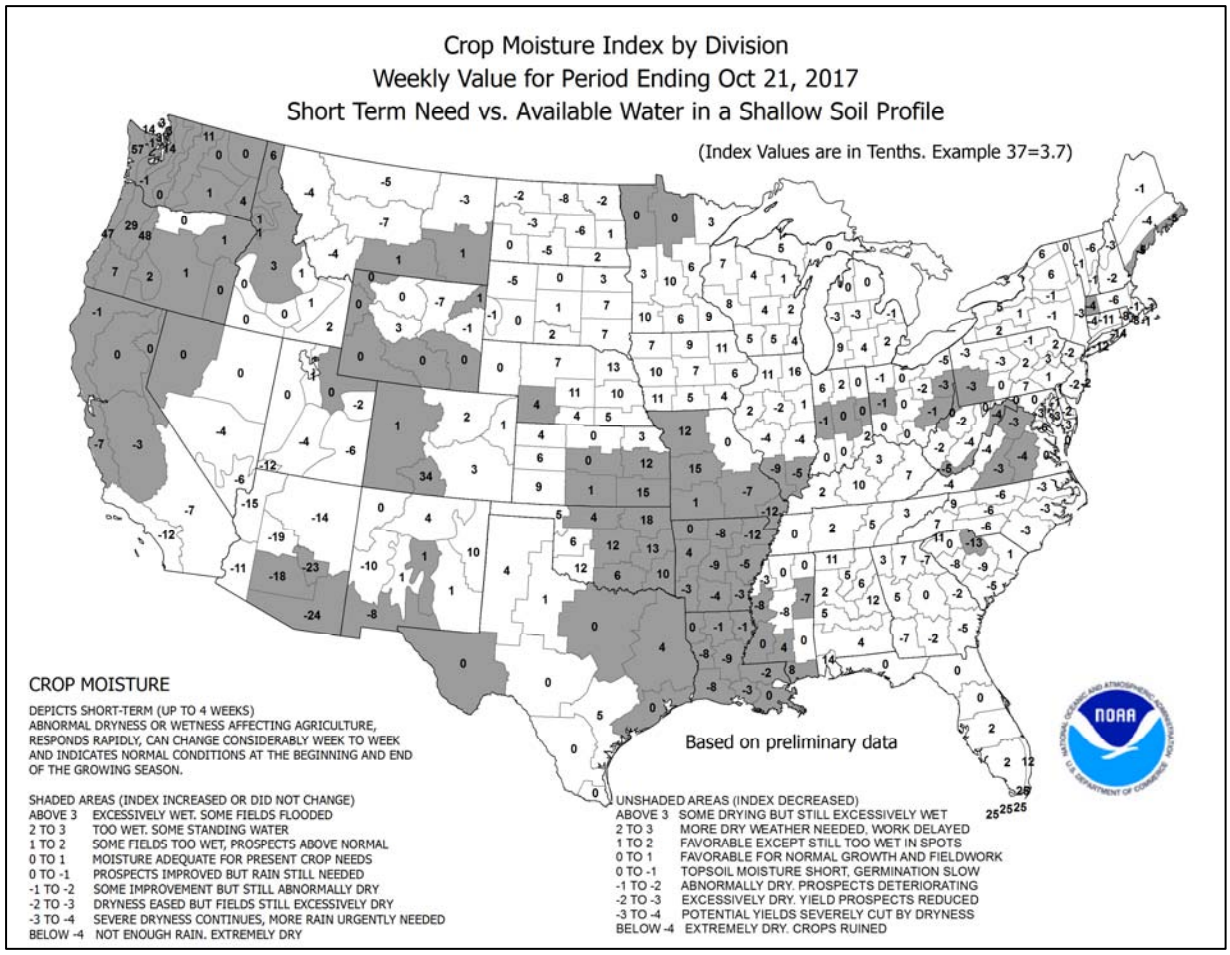
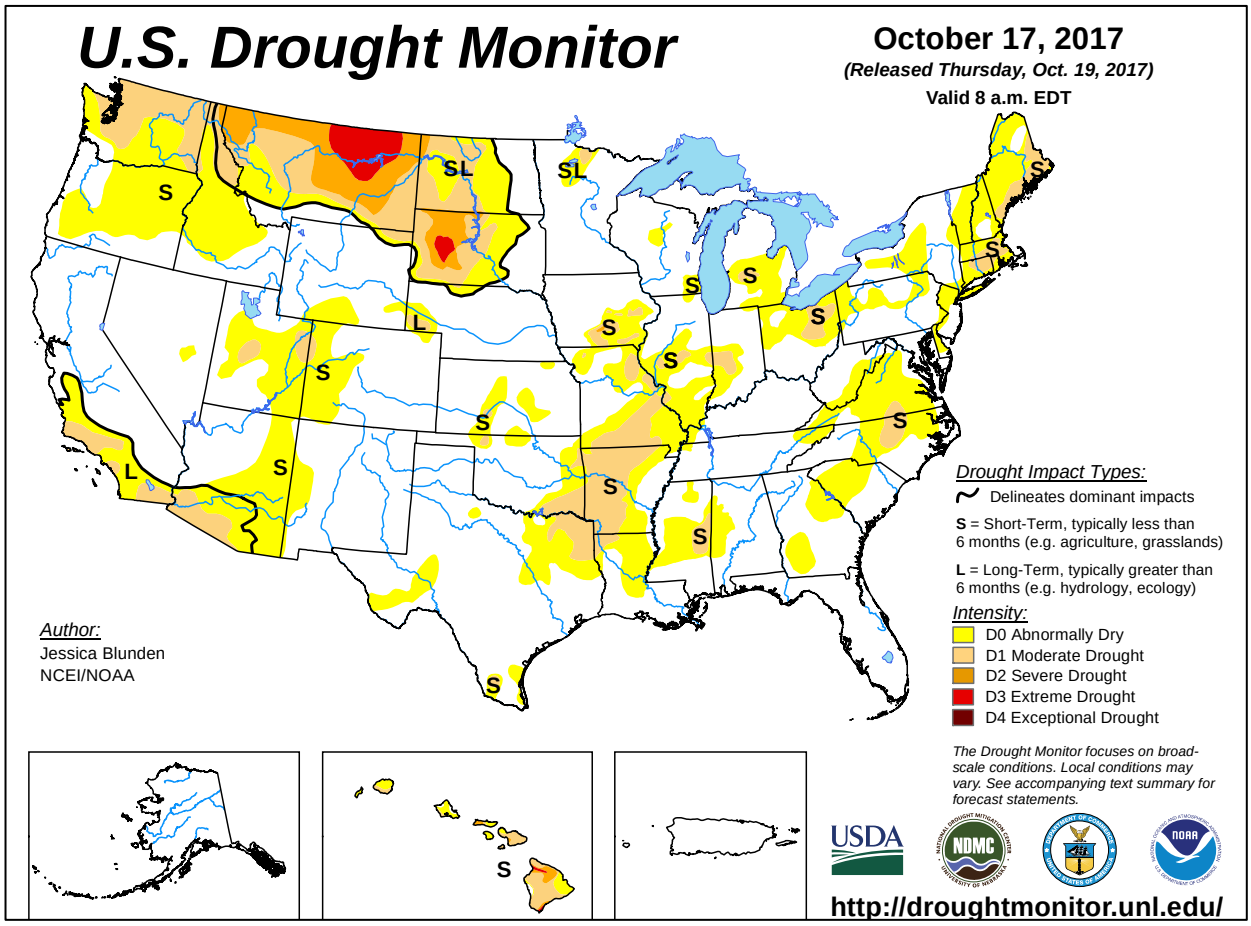
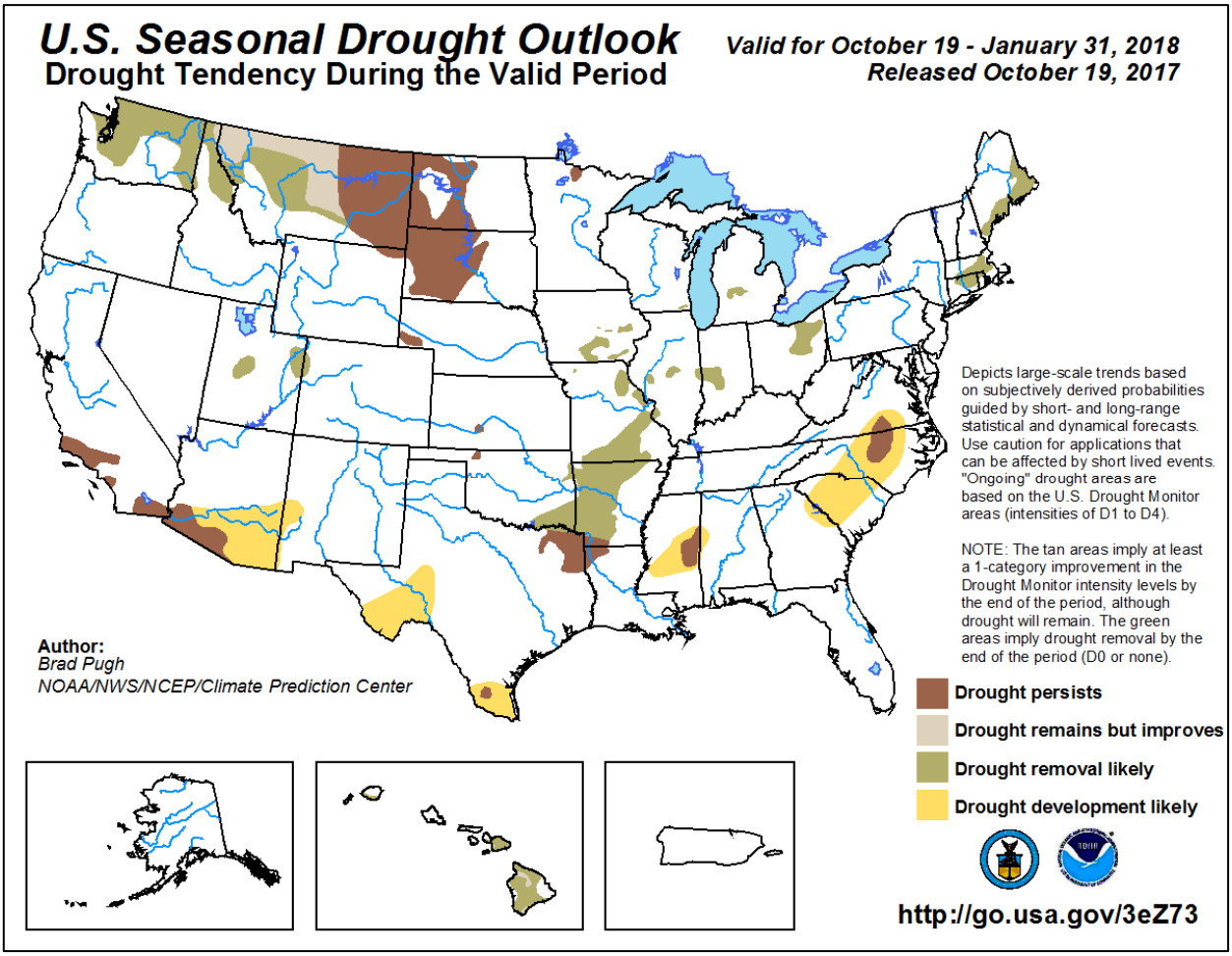
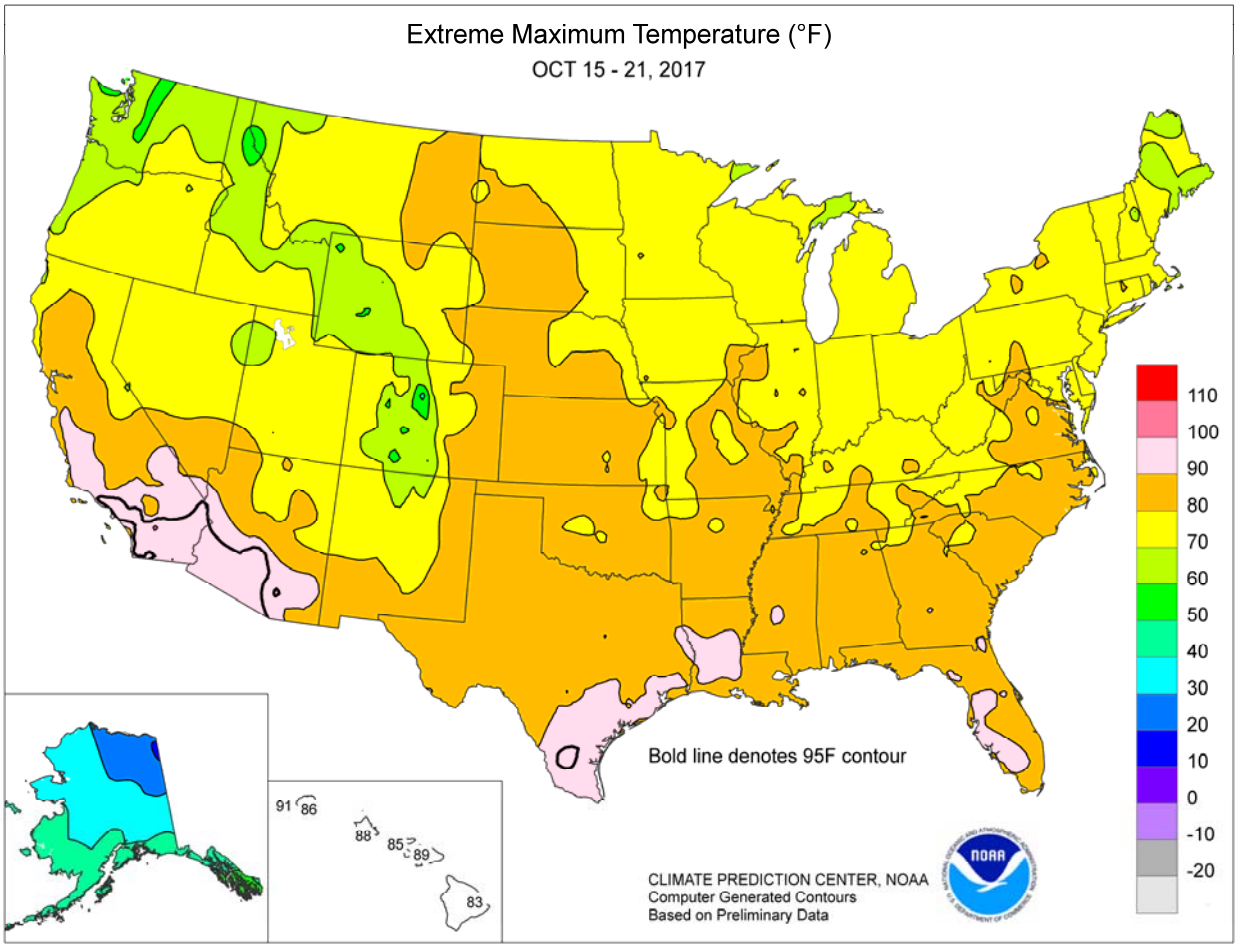
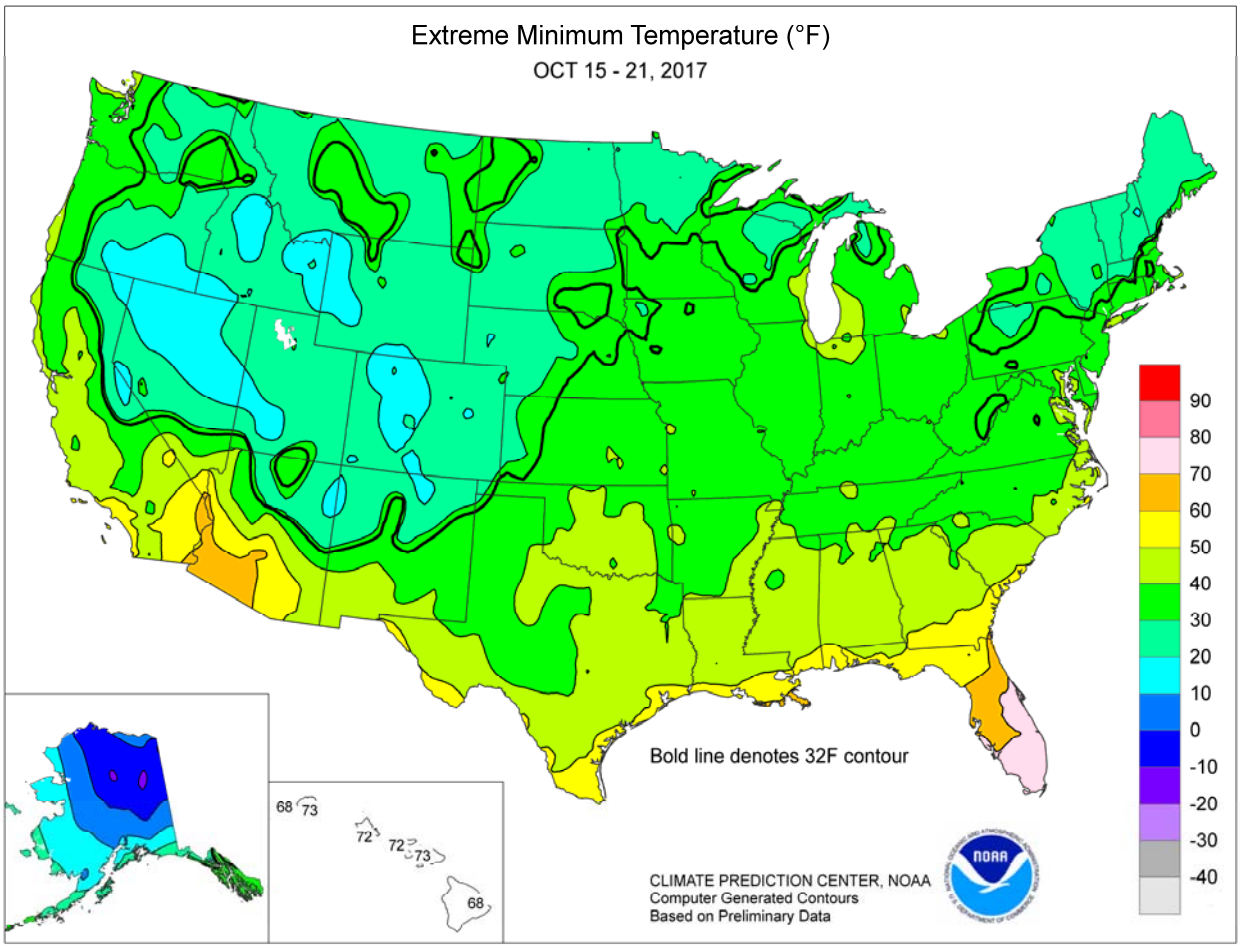

Crop Moisture Index by Division
Weekly Value for Period Ending Oct 21, 2017
Short Term Need vs. Available Water in a Shallow Soil Profile
CROP MOISTURE
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES... APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS
LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A SHALLOW SOIL PROFILE,OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55F.IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
Based on preliminary data
-3.0 or less (Severly Dry)
-2.0 to -2.9 (Excessively Dry)
-1.0 to -1.9 (Abnormally Dry)
-0.9 to +0.9 (Slightly Dry/Favorably Moist)
+1.0 to +1.9 (Abnormally Moist)
+2.0 to +3.0 (Wet)
3.0 and above (Excessively Wet)


Crop Moisture Index by Division
Weekly Value for Period Ending Oct 21, 2017
Short Term Need vs. Available Water in a Shallow Soil Profile
(Index Values are in Tenths. Example 37=3.7)
CROP MOISTURE
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
SHADED AREAS (INDEX INCREASED OR DID NOT CHANGE)
ABOVE 3 EXCESSIVELY WET. SOME FIELDS FLOODED
2 TO 3 TOO WET. SOME STANDING WATER
1 TO 2 SOME FIELDS TOO WET, PROSPECTS ABOVE NORMAL
0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4 SEVERE DRYNESS CONTINUES, MORE RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN. EXTREMELY DRY
UNSHADED AREAS (INDEX DECREASED)
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED. WORK DELAYED
1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT. GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY. PROSPECTS DETERIORATING
-2 TO -3 EXCESSIVELY DRY. YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4 EXTREMELY DRY. CROPS RUINED
Based on preliminary data

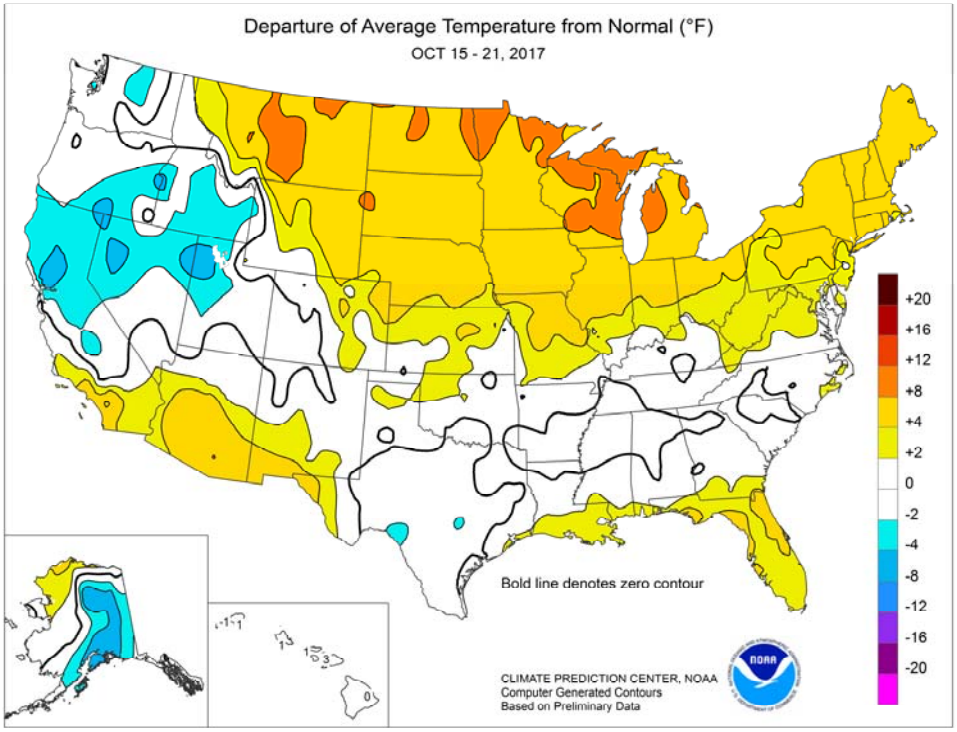

U.S. Drought Monitor
October 17, 2017
(Released Thursday, Oct. 19, 2017)
Valid 8 a.m. EDT
Author:
Jessica Blunden
NCEI/NOAA
Drought Impact Types:
Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
Intensity:
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.
USDA
NDMC
http://droughtmonitor.unl.edu/


U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid for October 19 - January 31, 2018
Released October 19, 2017
Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).
Drought persists
Drought remains but improves
Drought removal likely
Drought development likely
http://go.usa.gov/3eZ73


Extreme Maximum Temperature (°F)
OCT 15 - 21, 2017
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95F contour
91
86
88
85
89
83
CLIMATE PREDICTION CENTER, NOAA
Computer Generated Contours
Based on Preliminary Data
NOAA


Extreme Minimum Temperature (°F)
OCT 15 - 21, 2017
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32F contour
68
73
72
72
73
68
CLIMATE PREDICTION CENTER, NOAA
Computer Generated Contours
Based on Preliminary Data
NOAA

(Continued from front cover)
dotted the **southeastern Plains**. However, dry weather dominated the remainder of the country, with isolated showers mainly restricted to parts of the **South** and **East**. In the **Corn Belt**, as well as other areas, the extended period of mild, dry weather favored fieldwork, including summer crop harvesting and winter wheat planting. In fact, near- to above-normal temperatures covered the nation, except in parts of the **West**. Weekly temperatures averaged as much as 5 to 10°F above normal across the **nation's northern tier** from the **northern Plains into New England**. Similarly, readings averaged at least 5°F above normal in **coastal southern California** and parts of the **Desert Southwest**. Much of the **Corn Belt**, excluding the **far upper Midwest**, experienced some frost but not a widespread freeze, further extending the growing season.



Early in the week, chilly conditions lingered across the **West**. **Grand Junction, CO**, opened the week on October 15-16 with consecutive daily-record lows (28 and 27°F, respectively). Other record-setting lows included 11°F (on October 15) in **Ely, NV**, and 14°F (on October 16) at **Bryce Canyon Airport, UT**. Meanwhile, hot weather arrived in **southern California**, where **El Cajon** posted a daily-record high of 101°F on October 16. The following day, **Santa Barbara, CA**, collected a record-setting high (94°F) for October 17. Early-week warmth also covered the **South**, where daily-record highs for October 15 reached 92°F in **Houston, TX**, and **Lafayette, LA**. On October 16, **Jacksonville, FL**, registered a daily-record high of 92°F. Later, warmth expanded across the **nation's northern tier**. **Turner, MT**, logged a record-setting high (78°F) for October 19. And, on the 20th, daily-record highs rose to 79°F in locations such as **Grand Forks, ND**, and **Traverse City, MI**.

Before rain reached **northern California** late in the week, the state's nearly two dozen large wildfires—many of which started on October 8—resulted in at least 42 deaths, well over 8,000 structures destroyed, and nearly one-quarter million acres of charred timber, brush, and grass. The two largest blazes—the Nuns and Atlas fires—collectively burned more than 100,000 acres of vegetation and destroyed approximately 2,000 buildings in **Napa, Solano, and Sonoma Counties**. The deadliest and most destructive incident, the Tubbs fire in **Napa and Sonoma Counties**, was responsible for at least 22 fatalities, as well as the destruction of more than 5,000 structures and nearly 37,000 acres of vegetation. Farther east, high winds raked the **northern High Plains**, especially on October 17. On that date, gusts in **Montana** were clocked to 68 mph in **Cut Bank**; 61 mph in **Great Falls**; and 60 mph in **Havre**. It was **Havre's** highest October wind gust since 1914. Also, with an average wind speed of 27.6 mph, the 17th was the second-windiest October day on record in **Havre**. Starting on October 18, heavy rain arrived in the **Pacific Northwest**. During the 5-day period from October 17-21, rainfall in **western Washington** totaled 6.17 inches in **Hoquiam** and 5.82 inches in **Olympia**. More than three-quarters of **Hoquiam's** rain fell on October 18 and 21, setting a pair of daily records (2.12 and 2.63 inches, respectively). Other record-setting totals for October 21 included 3.79 inches in **Astoria, OR**, and 2.91 inches in **Olympia, WA**. A day earlier, on October 20, **Alturas, CA**, had received a daily-record amount (0.58 inch). At week's end, developing showers across the **nation's mid-section** led to daily-record totals for October 21 in **St. Joseph, MO** (1.88 inches), and **Waterloo, IA** (0.95 inch). Elsewhere, locally heavy showers in **Puerto Rico** hampered ongoing hurricane recovery efforts. **San Juan, PR**, received 3.85 inches of rain on October 15-16.

Colder, drier weather overspread much of **Alaska**, although some precipitation fell across western and southern sections of the state. **Nome** netted a daily-record snowfall of 2.5 inches on October 20. **Cold Bay** received 2.0 inches of snow during the 3-day period starting on October 20, and reported a daily-record low of 21°F on the 22nd. In **southeastern Alaska**, **Annette Island** received measurable rain each day from October 15-21, totaling 4.10 inches. Farther south, warm, breezy weather covered **Hawaii**, accompanied by locally heavy showers in windward locations. On the **Big Island**, **Hilo** received measurable rain each day during the week, totaling 4.10 inches. However, dry conditions persisted in some leeward locations; September 1 – October 21 rainfall totaled just 0.28 inch (16 percent of normal) in **Honolulu, Oahu**, and 1.12 inches (25 percent) in **Lihue, Kauai**. In addition, **Lihue** posted a daily-record high of 86°F on October 20 and wind gusts to 39 mph or higher on October 16 and 18-20.

National Weather Data for Selected Cities

Weather Data for the Week Ending October 21, 2017

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	77	52	86	46	65	2	0.33	-0.32	0.25	5.62	91	61.18	140	89	39	0	0	2	0
	HUNTSVILLE	76	47	87	42	62	1	0.09	-0.63	0.09	6.03	91	46.21	102	95	49	0	0	1	0
	MOBILE	80	60	86	53	70	3	0.22	-0.39	0.14	10.61	129	73.07	132	88	58	0	0	2	0
	MONTGOMERY	80	55	88	48	68	3	0.20	-0.29	0.20	5.41	90	64.01	144	81	39	0	0	1	0
AK	ANCHORAGE	36	24	42	19	30	-4	0.02	-0.44	0.02	4.35	98	16.28	122	73	58	0	7	1	0
	BARROW	25	13	30	-2	19	4	0.32	0.24	0.12	1.32	138	8.17	218	94	68	0	7	6	0
	FAIRBANKS	28	17	37	1	23	-1	0.09	-0.10	0.07	3.19	188	12.05	141	94	82	0	7	2	0
	JUNEAU	44	38	47	33	41	-1	1.70	-0.21	0.41	13.29	99	54.82	122	98	92	0	0	7	0
	KODIAK	44	30	50	22	37	-3	0.10	-1.79	0.10	9.52	69	50.15	86	74	63	0	5	1	0
	NOME	32	23	39	16	28	0	0.20	-0.13	0.14	5.31	147	14.00	101	95	89	0	7	4	0
AZ	FLAGSTAFF	69	31	74	24	50	3	0.00	-0.41	0.00	0.42	12	18.00	97	63	15	0	4	0	0
	PHOENIX	94	69	99	65	82	7	0.00	-0.17	0.00	0.00	0	4.71	74	36	20	5	0	0	0
	PRESCOTT	78	44	83	36	61	6	0.00	-0.26	0.00	0.52	18	12.37	76	56	14	0	0	0	0
	TUCSON	93	65	96	56	79	8	0.00	-0.27	0.00	0.03	1	10.17	100	34	21	6	0	0	0
AR	FORT SMITH	78	51	84	44	64	1	0.58	-0.26	0.58	1.59	26	43.69	128	93	40	0	0	1	1
	LITTLE ROCK	76	48	81	42	62	-1	0.28	-0.63	0.24	0.95	15	38.24	98	99	46	0	0	2	0
CA	BAKERSFIELD	81	54	90	47	68	1	0.00	-0.06	0.00	0.52	200	5.31	107	54	39	1	0	0	0
	FRESNO	78	50	84	45	64	-1	0.09	-0.04	0.09	0.25	44	12.89	153	74	46	0	0	1	0
	LOS ANGELES	82	64	95	60	73	6	0.00	-0.06	0.00	0.08	22	12.15	122	72	46	2	0	0	0
	REDDING	76	44	86	41	60	-3	0.33	-0.14	0.20	0.94	64	29.33	124	66	43	0	0	2	0
	SACRAMENTO	76	46	84	43	61	-4	0.15	-0.02	0.15	0.15	21	23.78	187	92	32	0	0	1	0
	SAN DIEGO	79	64	90	60	72	4	0.00	-0.07	0.00	0.08	23	7.83	97	71	54	1	0	0	0
	SAN FRANCISCO	72	52	83	48	62	1	0.21	0.01	0.21	0.43	74	22.40	159	80	59	0	0	1	0
	STOCKTON	79	45	89	40	62	-3	0.12	-0.04	0.12	0.12	18	15.75	161	78	48	0	0	1	0
CO	ALAMOSA	65	21	68	15	43	0	0.00	-0.14	0.00	1.80	135	10.49	169	77	21	0	7	0	0
	CO SPRINGS	72	36	77	24	54	5	0.00	-0.19	0.00	2.94	171	18.22	113	56	12	0	2	0	0
	DENVER INTL	73	38	78	24	56	6	0.00	-0.18	0.00	2.20	135	11.17	90	45	12	0	2	0	0
	GRAND JUNCTION	68	35	77	27	51	-2	0.00	-0.22	0.00	1.02	65	5.03	68	43	20	0	4	0	0
	PUEBLO	77	33	83	26	55	3	0.00	-0.13	0.00	1.40	118	15.66	141	62	19	0	3	0	0
CT	BRIDGEPORT	70	49	75	39	59	5	0.05	-0.72	0.04	2.30	39	30.88	86	82	59	0	0	2	0
	HARTFORD	72	43	81	35	57	5	0.02	-0.83	0.02	3.16	47	34.27	92	88	47	0	0	1	0
DC	WASHINGTON	73	52	79	45	63	4	0.12	-0.58	0.12	2.32	38	31.96	99	89	41	0	0	1	0
DE	WILMINGTON	72	46	76	37	59	3	0.05	-0.60	0.05	2.56	41	34.68	98	94	40	0	0	1	0
FL	DAYTONA BEACH	84	73	87	71	78	4	2.76	1.78	1.52	15.99	161	45.66	108	99	70	0	0	7	2
	JACKSONVILLE	84	66	92	60	75	6	1.70	0.90	1.41	17.08	154	64.82	139	92	61	1	0	4	1
	KEY WEST	87	77	88	74	82	2	1.00	0.03	0.50	12.45	146	32.69	99	87	70	0	0	4	1
	MIAMI	89	77	90	75	83	4	1.04	-0.36	0.79	22.46	175	72.93	142	89	63	2	0	5	1
	ORLANDO	85	71	90	70	78	3	0.81	0.26	0.31	17.42	220	50.88	118	99	72	1	0	4	0
	PENSACOLA	82	65	87	57	73	4	0.03	-0.83	0.03	5.25	61	80.09	147	74	54	0	0	1	0
	TALLAHASSEE	84	63	88	56	74	5	0.11	-0.56	0.11	5.51	77	50.78	94	88	55	0	0	1	0
	TAMPA	87	72	91	69	80	4	1.68	1.24	1.17	12.71	148	46.28	114	88	55	2	0	2	2
	WEST PALM BEACH	86	75	87	73	80	2	3.23	2.09	1.74	15.99	134	50.88	100	95	71	0	0	5	3
GA	ATHENS	76	47	82	40	62	0	0.03	-0.72	0.03	7.09	122	49.08	125	97	47	0	0	1	0
	ATLANTA	76	53	83	48	64	1	0.08	-0.55	0.08	6.23	100	45.17	109	82	47	0	0	1	0
	AUGUSTA	81	48	87	40	64	1	0.00	-0.72	0.00	4.91	86	39.28	104	92	44	0	0	0	0
	COLUMBUS	79	56	87	50	68	2	0.00	-0.46	0.00	5.45	120	44.46	113	82	37	0	0	0	0
	MACON	80	49	88	40	64	0	0.00	-0.50	0.00	4.95	102	42.49	115	98	39	0	0	0	0
	SAVANNAH	82	58	88	53	70	3	0.28	-0.39	0.28	8.70	120	51.06	118	95	52	0	0	1	0
HI	HILO	82	69	83	68	76	0	4.98	2.96	2.59	14.31	97	68.37	71	93	78	0	0	7	3
	HONOLULU	87	75	88	72	81	1	0.08	-0.42	0.03	0.30	15	16.16	131	68	59	0	0	4	0
	KAHULUI	88	74	89	73	81	3	0.08	-0.14	0.04	0.62	72	15.88	122	79	67	0	0	4	0
	LIHUE	85	74	86	73	80	2	0.06	-0.89	0.01	1.52	28	19.39	68	78	62	0	0	6	0
ID	BOISE	66	38	78	33	52	-1	0.34	0.20	0.17	1.12	95	12.54	138	65	43	0	0	2	0
	LEWISTON	63	43	73	37	53	1	0.74	0.54	0.47	1.73	129	12.13	121	81	58	0	0	2	0
	POCATELLO	64	27	74	21	45	-3	0.00	-0.19	0.00	3.46	235	15.01	151	79	39	0	5	0	0
IL	CHICAGO/O'HARE	71	50	78	43	60	8	0.21	-0.38	0.21	7.05	142	38.79	130	74	51	0	0	1	0
	MOLINE	73	48	81	38	61	8	0.00	-0.61	0.00	7.97	161	34.50	107	76	43	0	0	0	0
	PEORIA	72	47	79	38	60	7	0.43	-0.16	0.43	5.09	102	30.81	104	88	43	0	0	1	0
	ROCKFORD	72	45	79	38	59	8	0.01	-0.54	0.01	4.60	89	41.39	133	84	48	0	0	1	0
	SPRINGFIELD	75	49	80	38	62	6	0.35	-0.22	0.35	5.02	111	30.26	103	83	39	0	0	1	0
IN	EVANSVILLE	72	45	77	39	59	2	0.12	-0.45	0.12	4.79	102	36.52	103	92	50	0	0	1	0
	FORT WAYNE	71	43	77	39	57	5	0.07	-0.50	0.05	2.98	66	42.26	142	87	40	0	0	2	0
	INDIANAPOLIS	71	47	76	41	59	4	0.21	-0.38	0.21	2.80	61	41.55	125	87	44	0	0	1	0
	SOUTH BEND	69	45	76	40	57	5	0.38	-0.34	0.37	8.95	150	36.54	114	88	50	0	0	2	0
IA	BURLINGTON	73	47	80	39	60	5	0.01	-0.62	0.01	4.83	86	30.16	94	90	45	0	0	1	0
	CEDAR RAPIDS	71	45	79	33	58	6	0.22	-0.25	0.21	4.61	97	24.63	85	92	39	0	0	2	0
	DES MOINES	72	49	76	39	60	7	0.96	0.38	0.96	7.33	150	29.56	97	79	47	0	0	1	1
	DUBUQUE	70	45	76	33	57	7	0.00	-0.52	0.00	7.06	136	34.48	113	83	49	0	0	0	0
	SIOUX CITY	73	39	78	32	56	5	0.28	-0.15	0.28	8.99	238	30.18	130	93	51	0	1	1	0
	WATERLOO	69	42	75	32	56	6	0.95	0.40	0.95	6.14	134	28.82	99	88	49	0	1	1	1
KS	CONCORDIA	74	46	81	38	60	4	0.03	-0.36	0.03	8.73	230	36.17	141	85	48	0	0	1	0
	DODGE CITY	77	41	89	34	59	2	0.00	-0.32	0.00	1.91	71	26.86	134	82	27	0	0	0	0
	GOODLAND	76	37	83	29	56	4	0.00	-0.22	0.00	4.29	241	26.25	145	72	26	0	2	0	0
	TOPEKA	75	47	82	37	61	4	0.98	0.33	0.98	4.67	81	38.14	123	90	51	0	0	1	1

Based on 1971-2000 normals

***** Not Available**

Weather Data for the Week Ending October 21, 2017

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	74	48	80	39	61	2	0.59	0.05	0.59	5.88	126	33.23	125	86	51	0	0	1	1
KY	JACKSON	71	46	79	39	59	2	0.37	-0.30	0.37	6.50	111	44.82	113	90	44	0	0	1	0
	LEXINGTON	72	45	79	37	58	1	0.00	-0.58	0.00	7.81	159	43.33	115	85	49	0	0	0	0
	LOUISVILLE	74	49	80	43	61	3	0.01	-0.57	0.01	8.39	173	37.77	105	88	40	0	0	1	0
	PADUCAH	74	44	81	36	59	1	0.14	-0.60	0.14	4.93	84	38.05	97	84	46	0	0	1	0
LA	BATON ROUGE	82	58	89	48	70	2	0.56	-0.25	0.22	2.85	39	58.24	113	94	49	0	0	3	0
	LAKE CHARLES	83	62	91	52	72	3	0.07	-0.74	0.07	3.88	44	67.12	143	91	48	1	0	1	0
	NEW ORLEANS	81	66	87	60	74	4	0.17	-0.42	0.11	2.36	31	66.01	125	90	72	0	0	2	0
	SHREVEPORT	81	53	89	45	67	0	0.00	-1.00	0.00	0.03	0	30.13	74	92	42	0	0	0	0
ME	CARIBOU	60	37	70	30	48	5	0.34	-0.32	0.34	4.79	92	30.64	102	79	49	0	1	1	0
	PORTLAND	67	42	71	33	55	8	0.00	-0.98	0.00	2.85	46	33.54	95	84	44	0	0	0	0
MD	BALTIMORE	72	45	76	38	59	4	0.10	-0.57	0.10	3.37	54	33.61	97	96	44	0	0	1	0
MA	BOSTON	71	50	78	40	60	6	0.00	-0.84	0.00	4.22	71	35.50	106	78	40	0	0	0	0
	WORCESTER	66	46	72	35	56	6	0.04	-1.00	0.04	3.23	44	32.45	83	78	39	0	0	1	0
MI	ALPENA	69	39	78	33	54	8	0.72	0.22	0.72	4.63	106	32.63	138	94	46	0	0	1	1
	GRAND RAPIDS	69	46	78	42	57	7	0.48	-0.09	0.47	5.78	93	30.11	100	87	42	0	0	2	0
	HOUGHTON LAKE	66	40	74	31	53	7	0.17	-0.33	0.17	2.56	55	29.17	123	85	55	0	2	1	0
	LANSING	69	44	76	39	57	8	0.45	-0.02	0.45	6.81	136	32.51	125	76	53	0	0	1	0
	MUSKEGON	67	51	75	44	59	9	0.41	-0.18	0.40	4.23	80	25.39	98	73	55	0	0	2	0
	TRAVERSE CITY	69	50	79	37	60	11	0.69	0.05	0.69	4.68	84	29.07	107	73	37	0	0	1	1
MN	DULUTH	64	42	75	32	53	9	0.55	0.04	0.31	6.40	108	34.18	125	84	52	0	1	2	0
	INT'L FALLS	66	37	79	28	51	9	0.10	-0.32	0.10	3.99	89	20.73	97	78	34	0	3	1	0
	MINNEAPOLIS	69	46	78	39	58	9	0.48	0.03	0.45	5.28	131	30.92	120	85	51	0	0	2	0
	ROCHESTER	68	43	76	33	56	9	0.43	-0.04	0.39	7.00	153	34.48	125	87	54	0	0	2	0
	ST. CLOUD	68	39	77	30	53	7	0.62	0.12	0.57	7.77	176	29.30	121	97	39	0	1	2	1
MS	JACKSON	82	54	92	47	68	4	0.01	-0.71	0.01	2.16	41	56.06	127	87	44	1	0	1	0
	MERIDIAN	80	52	86	44	66	1	0.37	-0.30	0.35	2.41	42	55.29	117	95	58	0	0	2	0
	TUPELO	77	46	88	41	61	-1	0.27	-0.45	0.27	2.94	53	38.99	90	90	45	0	0	1	0
MO	COLUMBIA	73	48	79	42	60	4	0.47	-0.22	0.47	5.12	93	36.53	110	89	45	0	0	1	0
	KANSAS CITY	72	47	79	37	59	2	2.64	1.92	2.64	7.38	103	45.26	136	88	48	0	0	1	1
	SAINT LOUIS	75	51	81	43	63	5	0.62	0.04	0.61	3.42	72	33.71	108	82	47	0	0	2	1
	SPRINGFIELD	75	47	81	38	61	2	0.72	0.00	0.72	1.64	23	44.21	122	89	46	0	0	1	1
MT	BILLINGS	69	44	79	36	57	9	0.00	-0.27	0.00	3.02	135	14.56	112	46	20	0	0	0	0
	BUTTE	61	30	71	25	45	4	0.03	-0.14	0.03	1.91	118	10.68	94	80	21	0	6	1	0
	CUT BANK	60	39	70	30	49	6	0.00	-0.08	0.00	0.63	43	8.03	69	57	24	0	1	0	0
	GLASGOW	68	39	81	33	54	9	0.01	-0.14	0.01	1.92	130	5.63	55	67	37	0	0	1	0
	GREAT FALLS	65	44	74	34	55	9	0.01	-0.18	0.01	2.65	143	12.30	92	48	20	0	0	1	0
	HAVRE	68	37	78	26	52	7	0.09	-0.03	0.08	1.59	108	5.18	50	75	34	0	2	2	0
	MISSOULA	62	33	74	25	47	3	0.09	-0.08	0.09	1.59	99	11.88	104	86	53	0	3	1	0
NE	GRAND ISLAND	75	40	81	33	58	6	0.00	-0.30	0.00	7.96	231	29.54	127	87	40	0	0	0	0
	LINCOLN	75	44	80	35	59	5	0.00	-0.40	0.00	6.74	157	36.57	144	84	47	0	0	0	0
	NORFOLK	74	38	79	31	56	5	0.00	-0.36	0.00	5.62	165	27.39	114	86	43	0	1	0	0
	NORTH PLATTE	74	34	81	26	54	4	0.00	-0.28	0.00	7.80	363	27.35	151	87	28	0	5	0	0
	OMAHA	74	46	78	39	60	7	0.08	-0.38	0.08	6.72	141	25.89	96	81	53	0	0	1	0
	SCOTTSBLUFF	74	31	83	22	52	4	0.00	-0.21	0.00	2.25	117	14.28	97	72	24	0	3	0	0
	VALENTINE	75	37	87	28	56	7	0.05	-0.21	0.05	3.92	157	18.93	104	74	30	0	3	1	0
NV	ELY	68	23	76	11	45	0	0.00	-0.22	0.00	1.76	110	9.15	108	42	19	0	6	0	0
	LAS VEGAS	82	59	89	51	71	2	0.00	-0.03	0.00	0.46	107	2.38	65	19	11	0	0	0	0
	RENO	71	34	81	30	53	1	0.28	0.20	0.28	0.97	145	12.44	223	64	31	0	3	1	0
	WINNEMUCCA	69	21	78	15	45	-4	0.08	-0.06	0.08	0.24	27	7.16	111	61	26	0	7	1	0
NH	CONCORD	71	37	79	27	54	6	0.01	-0.75	0.01	3.94	73	32.73	110	89	39	0	3	1	0
NJ	NEWARK	73	50	81	40	61	5	0.01	-0.65	0.01	2.37	39	40.04	106	75	46	0	0	1	0
NM	ALBUQUERQUE	72	47	77	42	59	2	0.00	-0.22	0.00	2.24	130	7.67	96	56	20	0	0	0	0
NY	ALBANY	68	42	74	31	55	6	0.20	-0.50	0.20	3.65	68	35.45	114	83	42	0	1	1	0
	BINGHAMTON	64	42	74	31	53	5	0.58	-0.07	0.40	2.81	50	42.53	136	81	47	0	2	2	0
	BUFFALO	66	44	77	35	55	4	0.15	-0.53	0.15	5.63	95	37.91	120	82	49	0	0	1	0
	ROCHESTER	69	43	80	35	56	6	0.26	-0.29	0.25	5.02	96	36.03	131	86	51	0	0	2	0
	SYRACUSE	68	42	80	32	55	5	0.17	-0.50	0.11	3.28	52	35.79	111	88	45	0	1	2	0
NC	ASHEVILLE	73	43	80	37	58	3	0.28	-0.39	0.25	7.56	132	44.18	114	94	40	0	0	2	0
	CHARLOTTE	75	46	82	39	61	-1	0.97	0.17	0.97	4.64	74	39.59	111	98	38	0	0	1	1
	GREENSBORO	73	46	81	39	60	2	0.14	-0.56	0.14	3.96	59	38.39	106	92	42	0	0	1	0
	HATTERAS	75	60	80	56	68	3	0.13	-1.04	0.13	7.81	85	49.60	107	94	57	0	0	1	0
	RALEIGH	74	46	83	37	60	0	0.25	-0.42	0.25	3.91	60	39.32	109	98	49	0	0	1	0
	WILMINGTON	78	54	86	47	66	1	0.26	-0.37	0.26	5.65	60	53.01	107	96	49	0	0	1	0
ND	BISMARCK	71	33	80	24	52	7	0.16	-0.12	0.16	1.56	62	14.60	95	79	42	0	3	1	0
	DICKINSON	69	36	81	33	53	7	0.00	-0.30	0.00	2.89	112	11.46	76	67	23	0	0	0	0
	FARGO	69	40	78	27	54	8	0.00	-0.44	0.00	3.53	100	14.20	75	82	36	0	2	0	0
	GRAND FORKS	70	37	80	22	54	9	0.00	-0.38	0.00	4.52	145	15.97	91	83	31	0	2	0	0
	JAMESTOWN	68	35	77	24	51	6	0.00	-0.31	0.00	2.91	106	13.53	80	82	32	0	3	0	0
	WILLISTON	69	33	79	31	51	7	0.00	-0.17	0.00	2.20	111	11.48	90	73	38	0	3	0	0
OH	AKRON-CANTON	70	45	78	38	57	6	0.38	-0.15	0.38	4.69	91	39.35	124	79	43	0	0	1	0
	CINCINNATI	71	44	78	37	57	1	0.08	-0.57	0.08	5.17	111	41.96	121	95	53	0	0	1	0
	CLEVELAND	71	46	79	40	58	6	0.06	-0.51	0.06	4.12	73	38.14	122	83	42	0	0	1	0
	COLUMBUS	71	45	79	39	58	3	0.00	-0.47	0.00	5.44	124	41.47	131	91	47	0	0	0	0
	DAYTON	70	45	75	40	57	4	0.01	-0.58	0.01	4.68	108	42.19	131	94	51	0	0	1	0
	MANSFIELD	71	44	78	38	57	6	0.00	-0.56	0.00	3.81	75	40.39	115	88	39	0	0	0	0

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

Weather Data for the Week Ending October 21, 2017

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	71	43	77	38	57	5	0.03	-0.47	0.02	4.97	114	31.77	118	93	53	0	0	2	0
	YOUNGSTOWN	69	41	77	34	55	4	0.17	-0.33	0.10	2.81	50	35.53	114	89	45	0	0	2	0
OK	OKLAHOMA CITY	75	49	80	42	62	0	2.24	1.43	1.85	9.79	146	32.91	106	85	40	0	0	2	1
	TULSA	76	51	81	43	63	0	2.18	1.30	1.51	8.84	115	43.83	124	87	49	0	0	2	2
OR	ASTORIA	58	43	64	36	51	-1	5.74	4.54	2.36	10.14	183	60.20	138	92	84	0	0	5	4
	BURNS	61	21	74	16	41	-3	0.40	0.26	0.35	0.86	97	9.24	118	95	56	0	7	2	0
	EUGENE	62	42	69	32	52	0	1.81	1.14	0.65	3.90	130	29.51	91	98	85	0	1	3	3
	MEDFORD	67	39	78	35	53	-2	0.89	0.63	0.40	1.19	85	14.41	122	87	42	0	0	3	0
	PENDLETON	66	41	74	34	54	2	1.12	0.92	0.65	2.31	204	13.67	149	75	47	0	0	3	1
	PORTLAND	61	44	67	38	53	-1	2.94	2.34	1.72	6.05	191	35.37	145	97	84	0	0	5	2
	SALEM	63	44	69	36	54	1	2.49	1.86	1.13	6.14	210	39.59	155	90	78	0	0	4	3
PA	ALLENTOWN	71	44	77	38	57	5	0.07	-0.63	0.06	5.13	77	44.66	121	84	42	0	0	2	0
	ERIE	69	46	80	40	57	4	0.42	-0.43	0.42	6.74	91	41.11	121	77	49	0	0	1	0
	MIDDLETOWN	71	46	77	39	58	4	0.03	-0.58	0.03	4.71	86	38.91	119	95	40	0	0	1	0
	PHILADELPHIA	72	51	79	42	61	4	0.07	-0.49	0.06	4.82	83	36.03	104	79	43	0	0	2	0
	PITTSBURGH	69	42	75	35	56	4	0.19	-0.27	0.19	3.81	81	36.65	117	88	40	0	0	1	0
	WILKES-BARRE	69	42	74	32	56	5	0.21	-0.43	0.21	3.22	54	33.64	109	90	38	0	1	1	0
	WILLIAMSPORT	71	43	76	34	57	6	0.06	-0.61	0.06	3.38	55	39.61	117	93	54	0	0	1	0
RI	PROVIDENCE	71	47	74	38	59	6	0.00	-0.80	0.00	4.45	74	38.65	106	87	53	0	0	0	0
SC	BEAUFORT	82	58	89	53	70	3	0.32	-0.33	0.32	10.39	141	44.14	102	97	49	0	0	1	0
	CHARLESTON	80	55	86	51	68	2	0.05	-0.59	0.05	8.43	101	46.87	104	96	52	0	0	1	0
	COLUMBIA	79	47	87	40	63	0	0.35	-0.27	0.35	5.56	95	42.31	103	94	46	0	0	1	0
	GREENVILLE	74	48	81	42	61	1	0.18	-0.67	0.18	7.12	108	45.09	109	95	40	0	0	1	0
SD	ABERDEEN	70	34	79	26	52	5	0.00	-0.36	0.00	2.57	87	15.13	81	87	46	0	3	0	0
	HURON	71	38	78	30	55	7	0.00	-0.35	0.00	7.71	265	21.62	113	86	38	0	2	0	0
	RAPID CITY	75	37	86	24	56	8	0.00	-0.30	0.00	1.72	86	11.54	76	58	19	0	2	0	0
	SIOUX FALLS	73	40	78	31	56	8	0.00	-0.41	0.00	6.84	175	25.51	115	89	48	0	1	0	0
TN	BRISTOL	73	41	80	35	57	2	0.44	-0.03	0.27	3.07	66	39.29	115	100	38	0	0	2	0
	CHATTANOOGA	74	48	82	43	61	1	0.32	-0.34	0.31	7.65	118	51.39	117	89	46	0	0	2	0
	KNOXVILLE	72	46	80	40	59	0	0.59	0.04	0.58	4.66	97	42.78	110	98	47	0	0	2	1
	MEMPHIS	75	52	82	45	64	0	0.04	-0.64	0.04	4.16	78	40.81	97	82	44	0	0	1	0
	NASHVILLE	76	46	83	42	61	1	0.04	-0.54	0.04	4.25	78	41.09	108	89	39	0	0	1	0
TX	ABILENE	79	51	84	37	65	-1	0.04	-0.63	0.04	4.48	90	18.91	93	80	46	0	0	1	0
	AMARILLO	76	44	83	37	60	2	0.00	-0.33	0.00	5.60	194	26.48	148	82	28	0	0	0	0
	AUSTIN	81	54	90	41	68	-3	0.01	-0.90	0.01	4.77	85	36.02	132	83	52	1	0	1	0
	BEAUMONT	82	62	91	49	72	2	0.27	-0.73	0.25	5.34	57	94.32	194	90	58	1	0	2	0
	BROWNSVILLE	87	66	92	58	77	2	0.01	-0.82	0.01	7.64	92	20.68	87	92	54	3	0	1	0
	CORPUS CHRISTI	86	62	92	51	74	0	0.15	-0.74	0.14	3.90	48	26.25	94	93	52	2	0	2	0
	DEL RIO	80	56	84	44	68	-3	0.00	-0.45	0.00	6.76	192	22.65	142	90	56	0	0	0	0
	EL PASO	83	59	87	53	71	6	0.03	-0.14	0.03	1.19	52	9.11	112	54	23	0	0	1	0
	FORT WORTH	82	56	90	49	69	2	0.37	-0.59	0.24	1.26	24	29.89	106	81	35	1	0	2	0
	GALVESTON	84	71	91	61	77	3	0.53	-0.18	0.53	1.49	18	51.94	145	83	55	1	0	1	1
	HOUSTON	83	60	92	50	72	2	0.06	-0.94	0.04	3.42	47	74.24	193	92	55	1	0	2	0
	LUBBOCK	79	47	85	37	63	2	0.01	-0.36	0.01	3.89	100	21.85	129	74	33	0	0	1	0
	MIDLAND	80	51	88	39	66	1	0.09	-0.30	0.09	4.16	112	16.93	129	71	39	0	0	1	0
	SAN ANGELO	80	50	85	36	65	-1	0.79	0.21	0.79	4.27	88	16.37	90	77	40	0	0	1	1
	SAN ANTONIO	82	56	89	47	69	-2	0.00	-0.88	0.00	2.99	54	22.48	83	82	40	0	0	0	0
	VICTORIA	86	59	92	47	72	0	0.02	-0.93	0.01	3.20	39	44.23	130	91	47	2	0	2	0
	WACO	83	53	91	41	68	-1	0.00	-0.84	0.00	0.63	12	29.32	109	88	46	1	0	0	0
	WICHITA FALLS	80	49	84	43	65	0	0.73	0.02	0.56	4.44	82	24.52	100	82	43	0	0	2	1
UT	SALT LAKE CITY	67	38	76	32	53	0	0.02	-0.31	0.02	2.22	94	14.05	105	66	24	0	1	1	0
VT	BURLINGTON	68	46	76	32	57	10	0.00	-0.66	0.00	4.28	72	33.98	114	78	42	0	1	0	0
VA	LYNCHBURG	72	42	81	35	57	1	0.19	-0.54	0.19	3.59	57	30.30	84	94	40	0	0	1	0
	NORFOLK	72	54	82	46	63	2	0.01	-0.75	0.01	4.88	76	43.42	112	95	53	0	0	1	0
	RICHMOND	74	47	82	39	61	3	0.21	-0.58	0.21	4.12	64	33.18	91	94	42	0	0	1	0
	ROANOKE	73	45	83	37	59	3	0.00	-0.67	0.00	4.69	78	34.59	98	94	45	0	0	0	0
	WASH/DULLES	73	43	79	36	58	3	0.08	-0.66	0.08	3.23	53	36.22	105	95	42	0	0	1	0
WA	OLYMPIA	59	41	63	32	50	1	5.61	4.72	2.70	7.48	180	41.93	128	99	91	0	1	5	3
	QUILLAYUTE	57	42	62	38	50	0	6.21	4.01	2.93	10.69	111	78.29	115	97	83	0	0	6	4
	SEATTLE-TACOMA	59	46	64	41	53	0	4.08	3.40	1.50	5.24	160	33.64	140	91	78	0	0	5	3
	SPOKANE	57	40	64	34	48	1	0.82	0.62	0.30	2.38	186	16.35	140	88	47	0	0	4	0
	YAKIMA	65	36	75	28	50	2	0.32	0.22	0.32	0.49	75	8.23	148	77	49	0	3	1	0
WV	BECKLEY	68	42	76	34	55	2	0.21	-0.35	0.20	3.61	71	36.95	106	85	46	0	0	2	0
	CHARLESTON	73	42	80	36	57	2	0.12	-0.43	0.12	4.06	78	40.50	112	94	36	0	0	1	0
	ELKINS	70	36	81	31	53	3	0.19	-0.42	0.13	2.98	52	37.42	98	91	42	0	2	2	0
	HUNTINGTON	72	43	79	36	58	3	0.28	-0.31	0.28	5.97	131	41.18	119	92	42	0	0	1	0
WI	EAU CLAIRE	68	41	77	33	54	7	0.56	0.09	0.49	5.38	102	33.48	118	94	37	0	0	2	0
	GREEN BAY	68	47	76	37	57	9	0.18	-0.27	0.18	3.74	82	29.23	118	86	49	0	0	1	0
	LA CROSSE	70	49	78	39	60	9	0.94	0.50	0.94	6.78	139	38.52	136	85	39	0	0	1	1
	MADISON	70	47	76	37	59	10	0.01	-0.46	0.01	3.30	73	37.06	131	79	50	0	0	1	0
	MILWAUKEE	71	51	80	45	61	10	0.02	-0.50	0.02	3.91	79	33.23	114	69	44	0	0	1	0
WY	CASPER	67	36	74	28	51	5	0.00	-0.25	0.00	2.36	133	12.49	111	42	22	0	2	0	0
	CHEYENNE	68	37	75	31	52	7	0.00	-0.14	0.00	2.01	102	13.93	99	40	16	0	1	0	0
	LANDER	65	35	72	22	50	3	0.00	-0.30	0.00	3.50	169	18.18	160	59	18	0	2	0	0
	SHERIDAN	72	32	82	23	52	7	0.00	-0.31	0.00	2.04	86	16.53	129	65	23	0	3	0	0

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

National Agricultural Summary

October 16 – 22, 2017

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

From October 16-22, a band of above-average temperatures stretched from Montana to Michigan. Warm weather also occurred in the Northeast, Ohio Valley, and central Plains. The mild, dry weather led to sharp increases in soybean acreage harvested across the central part of the nation. Meanwhile, temperatures were slightly below normal in the Northwest and Southeast. Rain was most prominent in the Pacific Northwest, with parts of Washington and Oregon receiving at least 8 inches. The remainder of the nation received average or below-average precipitation during the week.

Corn: Ninety-six percent of the corn was mature by October 22, three percentage points behind last year and slightly behind the 5-year average. Maturity advanced 13 percentage points during the week in both Colorado and North Dakota, and 7 points in South Dakota. Thirty-eight percent of this year's corn was harvested by week's end, 21 percentage points behind both last year and the 5-year average. Harvest progress was behind normal in all estimating states except Michigan, North Carolina, Tennessee, and Texas. Overall, 66 percent of the corn was reported in good to excellent condition, up slightly from last week, but 8 percentage points below the same time last year.

Soybeans: By week's end, 97 percent of the soybean crop was at or beyond the leaf dropping stage, slightly behind last year but equal to the 5-year average. By October 22, soybean producers had harvested 70 percent of the nation's crop, 4 percentage points behind last year and 3 points behind the 5-year average. Favorable weather helped to boost weekly harvest progress by more than 30 percentage points in Minnesota, Nebraska, and South Dakota.

Winter Wheat: Producers had sown 75 percent of the 2018 winter wheat by week's end, 3 percentage points behind last year and 5 points behind the 5-year average. Nationwide, emergence had advanced to 52 percent complete by October 22, six percentage points behind last year and 5 points behind the 5-year average.

Cotton: Eighty-seven percent of the cotton was at or beyond the boll-opening stage by October 22, five percentage points behind last year and 4 points behind the 5-year average. All estimating states had at least 80 percent of the bolls open, with Arizona, Arkansas, Louisiana, Missouri, Tennessee, and Texas at 100 percent. Nationally, producers had harvested 37 percent of the cotton by week's end, slightly behind last year but 2 percentage points ahead of the 5-year average. Overall, 56 percent of the cotton was reported in good to excellent condition, down 2 percentage points from last week but 8 points above the same time last year.

Sorghum: By week's end, 89 percent of this year's sorghum was considered mature, 4 percentage points behind last year and slightly behind the 5-year average. Nationwide, sorghum producers had harvested 47 percent of the crop by October 22, nineteen percentage points behind last year and 12 points behind the 5-year average. Overall, 65 percent of the sorghum was reported in good to excellent condition, unchanged from last week and equal to the same time last year.

Rice: By October 22, ninety-eight percent of the rice was harvested, 2 percentage points ahead of last year and 5 points ahead of the 5-year average. Harvest progress was at or ahead of the 5-year average in all estimating states.

Other Crops: By October 22, sixty-three percent of the nation's peanuts had been dug and combined, 2 percentage points behind last year but 2 points ahead of the 5-year average.

Producers had harvested 74 percent of the sugarbeet crop by week's end, 2 percentage points behind both last year and the 5-year average.

By week's end, 30 percent of this year's sunflower crop was harvested, 14 percentage points behind last year and 9 points behind the 5-year average. Harvest progress was behind the 5-year average in all four estimating states.

Crop Progress and Condition

Week Ending October 22, 2017

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

Corn Percent Mature

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
CO	94	73	86	96
IL	100	95	100	99
IN	100	91	95	98
IA	99	94	98	99
KS	100	92	95	99
KY	100	96	99	99
MI	94	83	91	92
MN	100	89	97	98
MO	100	100	100	100
NE	99	92	97	97
NC	100	100	100	100
ND	97	80	93	96
OH	95	86	92	96
PA	97	84	89	95
SD	100	88	95	98
TN	100	99	100	100
TX	98	95	98	96
WI	98	70	82	90
18 Sts	99	90	96	97

These 18 States planted 92% of last year's corn acreage.

Corn Percent Harvested

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
CO	50	12	18	45
IL	82	47	62	74
IN	62	34	46	59
IA	49	13	23	55
KS	85	54	65	82
KY	93	72	81	85
MI	25	19	34	31
MN	52	7	14	55
MO	86	60	69	81
NE	48	17	26	52
NC	96	92	95	94
ND	36	8	17	43
OH	47	21	35	46
PA	49	30	41	49
SD	45	12	19	51
TN	98	91	95	91
TX	84	80	83	83
WI	36	9	15	37
18 Sts	59	28	38	59

These 18 States harvested 94% of last year's corn acreage.

Corn Condition by Percent

	VP	P	F	G	EX
CO	1	5	16	56	22
IL	4	7	26	48	15
IN	5	11	26	45	13
IA	3	8	25	53	11
KS	3	13	24	49	11
KY	2	3	11	65	19
MI	3	12	30	44	11
MN	1	3	15	64	17
MO	2	6	27	49	16
NE	3	8	23	46	20
NC	1	3	19	46	31
ND	5	10	26	51	8
OH	2	6	27	51	14
PA	0	1	9	43	47
SD	9	15	31	37	8
TN	1	2	10	44	43
TX	0	3	18	57	22
WI	2	9	19	46	24
18 Sts	3	8	23	50	16
Prev Wk	3	8	24	50	15
Prev Yr	2	5	19	54	20

Soybeans Percent Dropping Leaves

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AR	99	95	98	94
IL	100	94	98	98
IN	99	95	98	99
IA	99	96	98	98
KS	94	93	96	95
KY	90	77	83	89
LA	100	100	100	99
MI	97	95	97	99
MN	100	98	100	100
MS	98	95	97	98
MO	96	82	91	92
NE	100	98	99	100
NC	82	76	88	80
ND	100	100	100	100
OH	100	95	97	99
SD	100	99	100	100
TN	95	90	97	92
WI	100	92	96	98
18 Sts	98	94	97	97

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

Soybeans Percent Harvested

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AR	84	73	82	71
IL	73	63	77	73
IN	69	52	69	67
IA	75	32	61	81
KS	49	34	56	55
KY	55	33	45	47
LA	96	95	98	94
MI	48	61	74	59
MN	94	45	83	93
MS	91	80	88	88
MO	54	30	45	48
NE	76	33	67	83
NC	23	26	34	16
ND	93	72	89	87
OH	77	54	76	69
SD	87	48	81	90
TN	73	38	49	50
WI	68	44	64	70
18 Sts	74	49	70	73

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

Sugarbeets Percent Harvested

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
ID	62	42	51	60
MI	33	32	37	35
MN	88	74	85	89
ND	94	89	95	92
4 Sts	76	65	74	76

These 4 States harvested 83% of last year's sugarbeet acreage.

Sunflowers Percent Harvested

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
CO	34	2	13	40
KS	36	5	17	33
ND	36	12	32	37
SD	54	15	32	43
4 Sts	44	12	30	39

These 4 States harvested 87% of last year's sunflower acreage.

Crop Progress and Condition

Week Ending October 22, 2017

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

Cotton Percent Bolls Opening

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AL	99	86	89	95
AZ	100	99	100	100
AR	100	100	100	99
CA	99	80	83	97
GA	97	95	97	95
KS	82	72	87	83
LA	100	100	100	100
MS	100	93	97	99
MO	100	97	100	92
NC	96	90	94	95
OK	90	91	94	92
SC	95	97	99	91
TN	99	98	100	93
TX	89	73	80	87
VA	99	99	100	98
15 Sts	92	82	87	91

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

Cotton Percent Harvested

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AL	60	33	45	42
AZ	32	24	28	30
AR	83	52	71	64
CA	35	15	25	44
GA	45	27	37	32
KS	8	7	9	8
LA	94	76	83	88
MS	79	46	59	70
MO	71	42	63	48
NC	19	20	31	20
OK	27	11	22	19
SC	19	29	42	22
TN	59	39	56	39
TX	27	30	31	28
VA	23	19	43	22
15 Sts	38	31	37	35

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

Cotton Condition by Percent

	VP	P	F	G	EX
AL	1	8	35	47	9
AZ	2	3	16	55	24
AR	1	3	11	46	39
CA	0	0	0	10	90
GA	7	19	28	39	7
KS	3	8	29	55	5
LA	1	28	45	26	0
MS	0	6	30	45	19
MO	1	9	31	47	12
NC	1	4	17	57	21
OK	0	1	8	89	2
SC	0	0	15	51	34
TN	0	2	9	66	23
TX	7	9	35	36	13
VA	0	0	15	79	6
15 Sts	5	9	30	42	14
Prev Wk	5	8	29	43	15
Prev Yr	4	12	36	39	9

Sorghum Percent Mature

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AR	100	100	100	100
CO	93	63	85	88
IL	91	87	91	94
KS	94	75	87	89
LA	100	100	100	100
MO	99	91	94	96
NE	100	92	96	98
NM	61	61	77	54
OK	96	87	93	93
SD	99	68	76	95
TX	93	89	92	91
11 Sts	93	81	89	90

These 11 States planted 99% of last year's sorghum acreage.

Sorghum Percent Harvested

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AR	100	100	100	98
CO	57	4	13	33
IL	59	60	69	67
KS	54	13	24	45
LA	100	100	100	100
MO	75	49	61	62
NE	65	22	34	51
NM	2	6	13	6
OK	62	46	54	62
SD	78	6	21	63
TX	77	79	80	75
11 Sts	66	40	47	59

These 11 States harvested 99% of last year's sorghum acreage.

Sorghum Condition by Percent

	VP	P	F	G	EX
AR	0	10	36	47	7
CO	3	5	12	60	20
IL	8	19	28	28	17
KS	2	8	32	46	12
LA	0	1	36	59	4
MO	0	8	29	57	6
NE	3	2	20	53	22
NM	1	0	54	37	8
OK	0	4	34	57	5
SD	14	19	48	19	0
TX	1	3	18	62	16
11 Sts	2	6	27	52	13
Prev Wk	2	6	27	52	13
Prev Yr	1	5	29	51	14

Crop Progress and Condition

Week Ending October 22, 2017

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

Winter Wheat Percent Planted

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AR	43	31	41	37
CA	29	15	20	26
CO	97	84	94	97
ID	86	90	96	91
IL	64	51	70	63
IN	68	45	67	68
KS	82	42	67	86
MI	71	75	88	78
MO	46	26	43	46
MT	88	81	92	91
NE	100	86	94	98
NC	14	14	24	15
OH	82	56	82	77
OK	82	57	72	85
OR	81	74	82	79
SD	99	89	96	94
TX	67	66	70	70
WA	90	79	90	91
18 Sts	78	60	75	80

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

Winter Wheat Percent Emerged

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AR	26	16	23	18
CA	3	0	1	6
CO	84	53	65	78
ID	75	50	58	60
IL	35	13	38	31
IN	38	21	39	36
KS	61	25	41	63
MI	49	49	69	51
MO	26	15	25	24
MT	77	53	66	68
NE	93	66	77	82
NC	4	4	7	5
OH	41	33	52	44
OK	62	35	55	63
OR	38	39	50	33
SD	79	67	80	61
TX	41	35	53	47
WA	70	59	72	70
18 Sts	58	37	52	57

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

Peanuts Percent Harvested

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AL	84	61	67	66
FL	88	73	83	81
GA	68	54	67	60
NC	34	41	59	50
OK	45	19	46	46
SC	39	50	57	53
TX	42	15	30	44
VA	53	57	80	51
8 Sts	65	51	63	61

These 8 States harvested 96% of last year's peanut acreage.

Rice Percent Harvested

	Prev Year	Prev Week	Oct 22 2017	5-Yr Avg
AR	99	97	99	95
CA	84	60	92	84
LA	100	100	100	100
MS	96	96	98	96
MO	99	88	92	91
TX	100	100	100	100
6 Sts	96	91	98	93

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

Pasture and Range Condition by Percent
Week Ending Oct 22, 2017

	VP	P	F	G	EX			VP	P	F	G	EX
AL	0	5	20	66	9		NH	2	20	41	30	7
AZ	1	12	37	44	6		NJ	0	9	28	56	7
AR	12	31	35	21	1		NM	4	19	32	39	6
CA	10	35	25	30	0		NY	2	7	25	40	26
CO	1	8	22	54	15		NC	3	9	32	48	8
CT	0	50	50	0	0		ND	26	28	31	15	0
DE	4	16	52	27	1		OH	6	18	30	43	3
FL	2	7	35	48	8		OK	2	6	42	46	4
GA	2	10	32	52	4		OR	16	21	42	14	7
ID	1	3	31	62	3		PA	3	12	43	40	2
IL	11	22	44	21	2		RI	0	0	0	100	0
IN	7	22	35	33	3		SC	0	6	31	59	4
IA	12	18	35	31	4		SD	29	23	25	23	0
KS	4	14	35	44	3		TN	3	10	32	48	7
KY	3	8	25	56	8		TX	5	15	36	36	8
LA	3	12	48	33	4		UT	3	10	40	37	10
ME	25	33	27	15	0		VT	0	32	68	0	0
MD	3	8	60	27	2		VA	7	29	40	23	1
MA	0	10	20	70	0		WA	25	31	30	13	1
MI	7	21	33	35	4		WV	1	39	32	25	3
MN	3	12	32	50	3		WI	6	10	26	41	17
MS	2	13	30	46	9		WY	6	18	48	26	2
MO	4	11	44	38	3		48 Sts	8	16	34	37	5
MT	38	26	21	13	2							
NE	2	11	43	39	5		Prev Wk	9	16	35	35	5
NV	0	10	30	45	15		Prev Yr	8	14	33	39	6

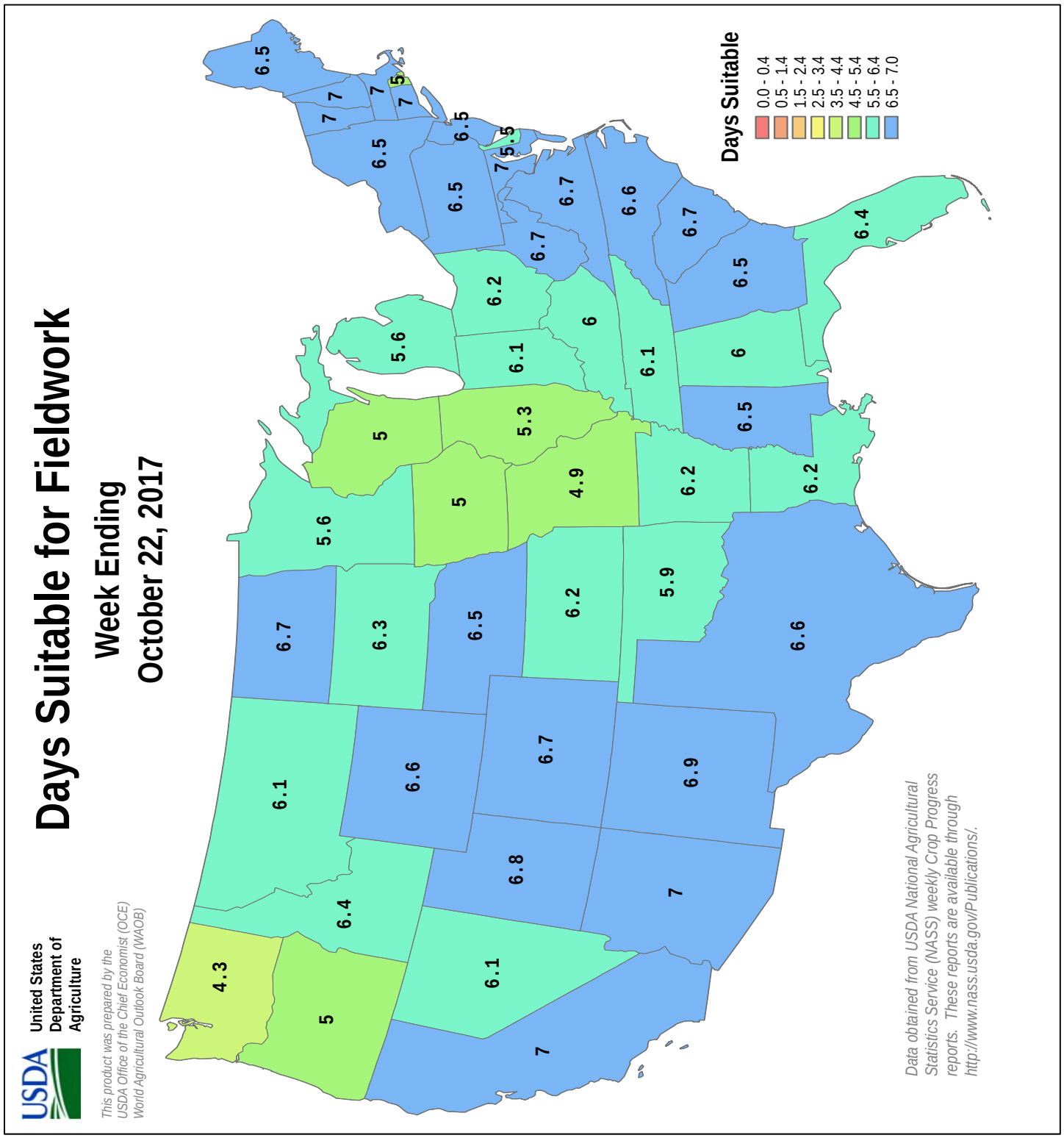
VP - Very Poor; P - Poor; F - Fair;
G - Good; EX - Excellent

NA - Not Available; *Revised

Crop Progress and Condition

Week Ending October 22, 2017

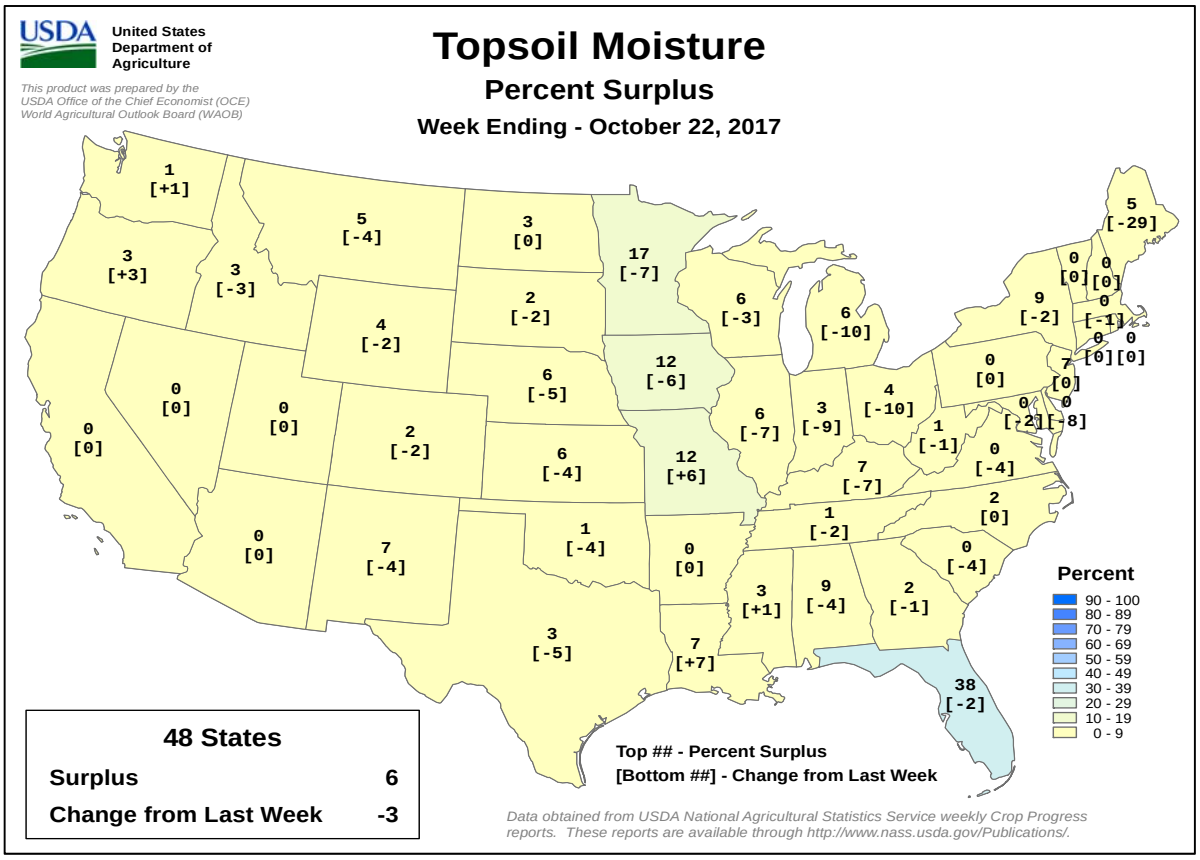
Weekly U.S. Progress and Condition Data provided by USDA/NASS

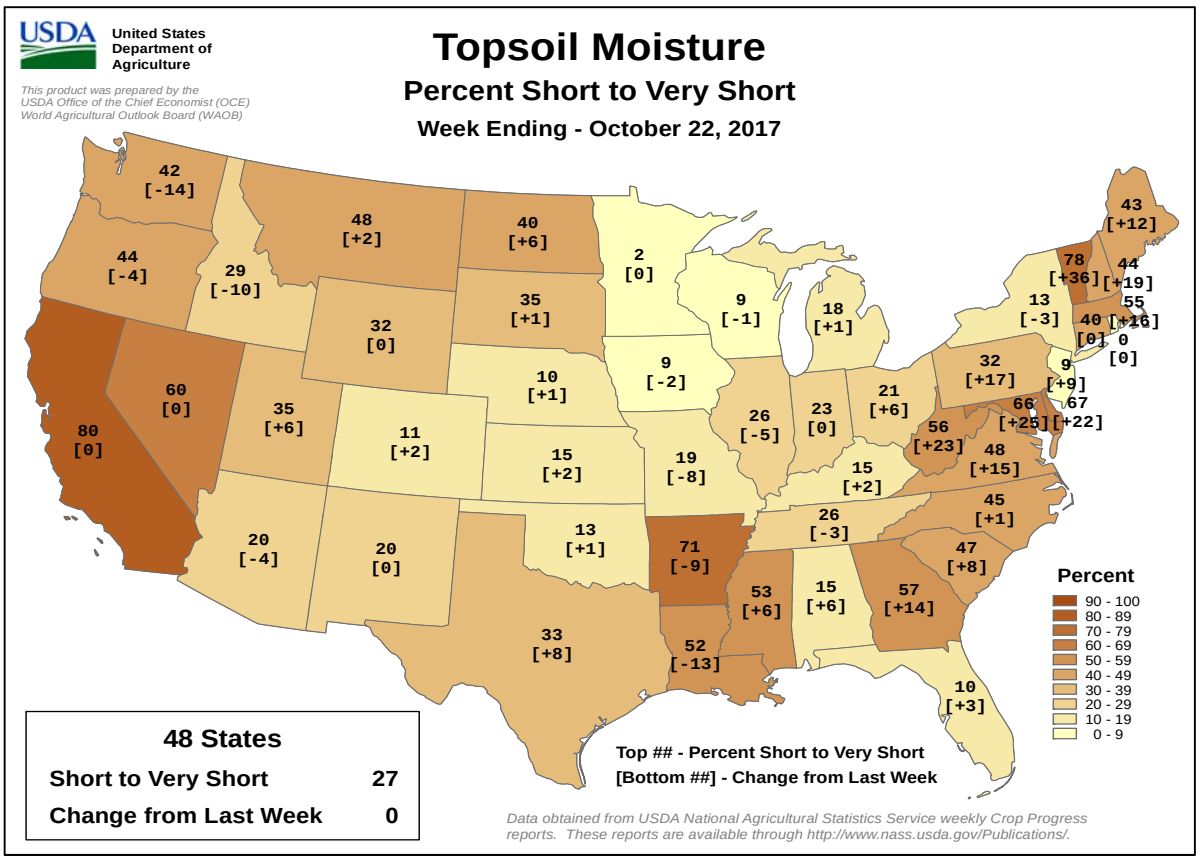


Crop Progress and Condition

Week Ending October 22, 2017

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

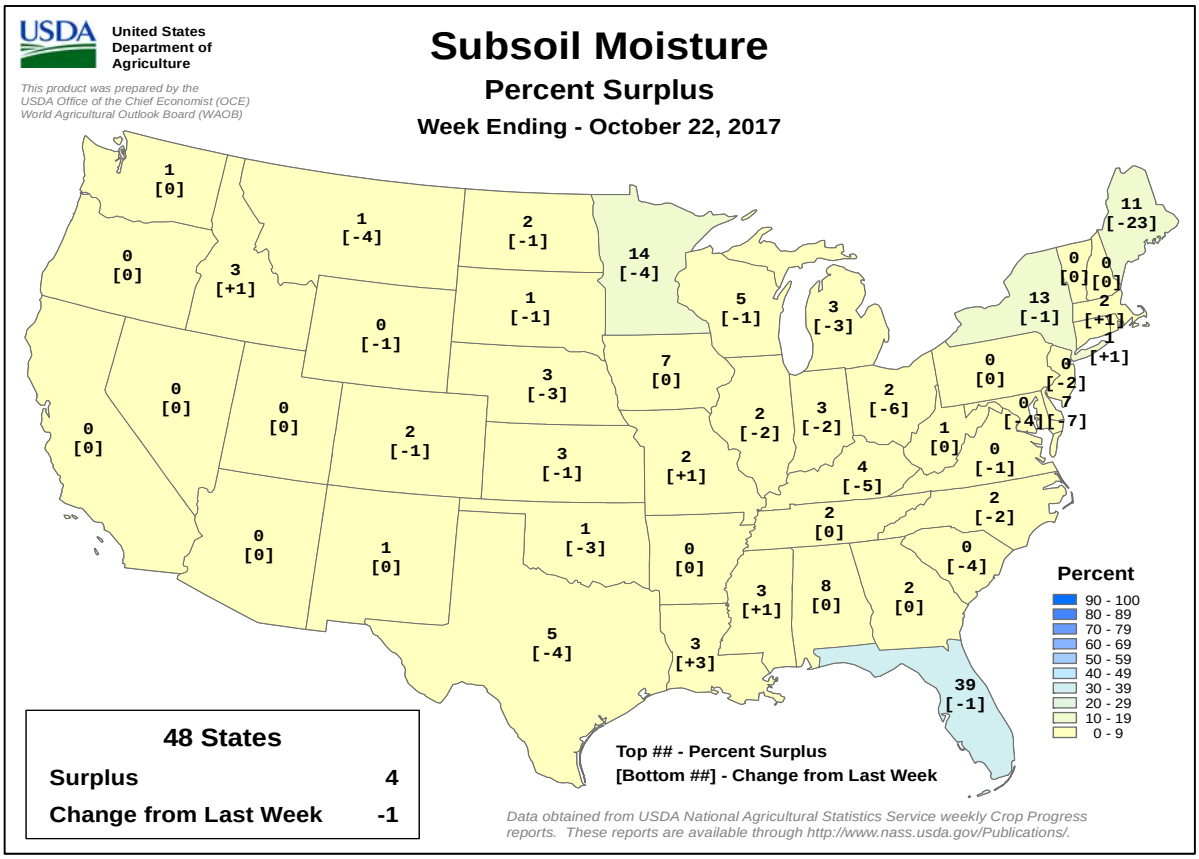


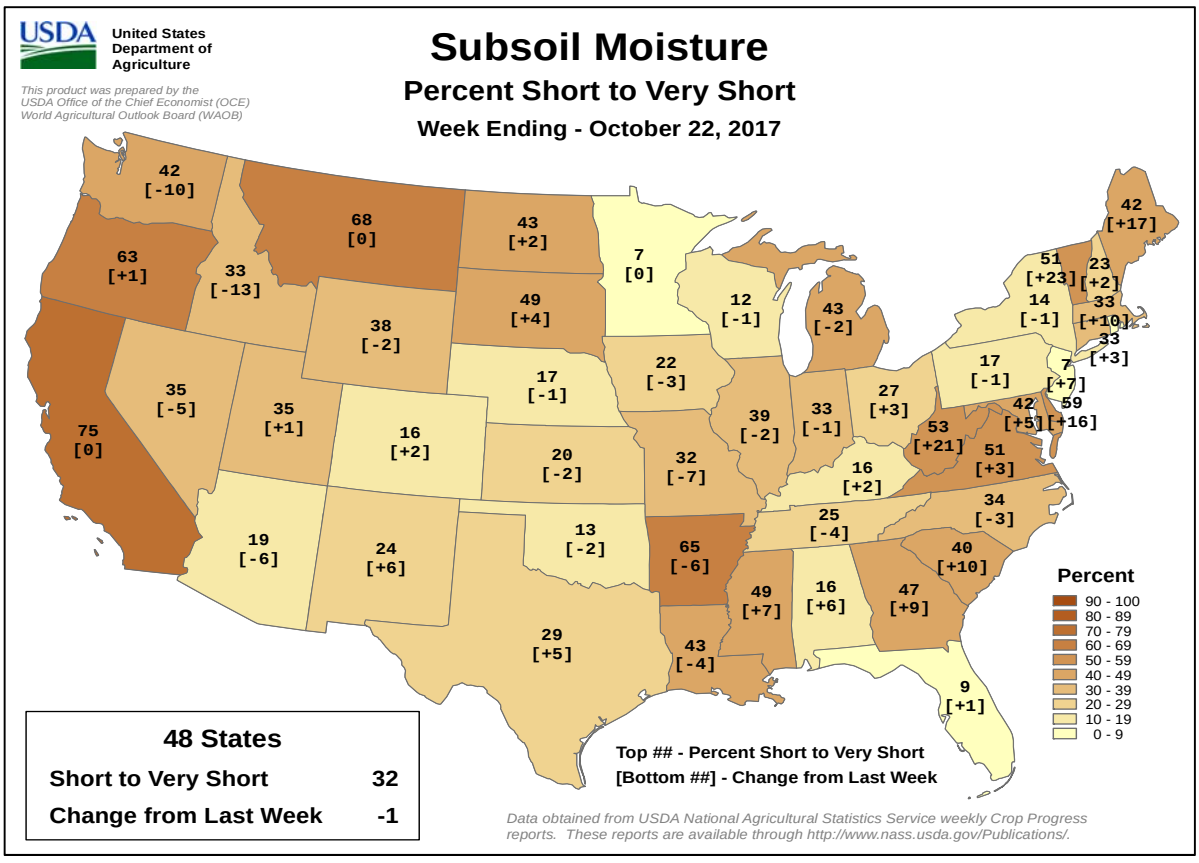


Crop Progress and Condition

Week Ending October 22, 2017

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





International Weather and Crop Summary

October 15-21, 2017

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

HIGHLIGHTS

EUROPE: Much-needed rain arrived on the Iberian Peninsula, while sunny weather elsewhere in Europe promoted fieldwork and crop development before late-week showers returned.

WESTERN FSU: Locally heavy rain improved soil moisture for wheat establishment in southern Russia.

MIDDLE EAST: After recent showers, sunny weather over Turkey and the eastern Mediterranean Coast promoted winter grain planting and establishment.

SOUTH ASIA: The monsoon withdrew from most of India, as seasonably drier weather aided summer (kharif) crop maturation and harvesting.

EAST ASIA: Wet weather continued in parts of eastern China, slowing fieldwork but improving soil moisture for winter crops.

SOUTHEAST ASIA: Lighter showers prevailed in most of Indochina, while the wet-season was beginning in Java, Indonesia.

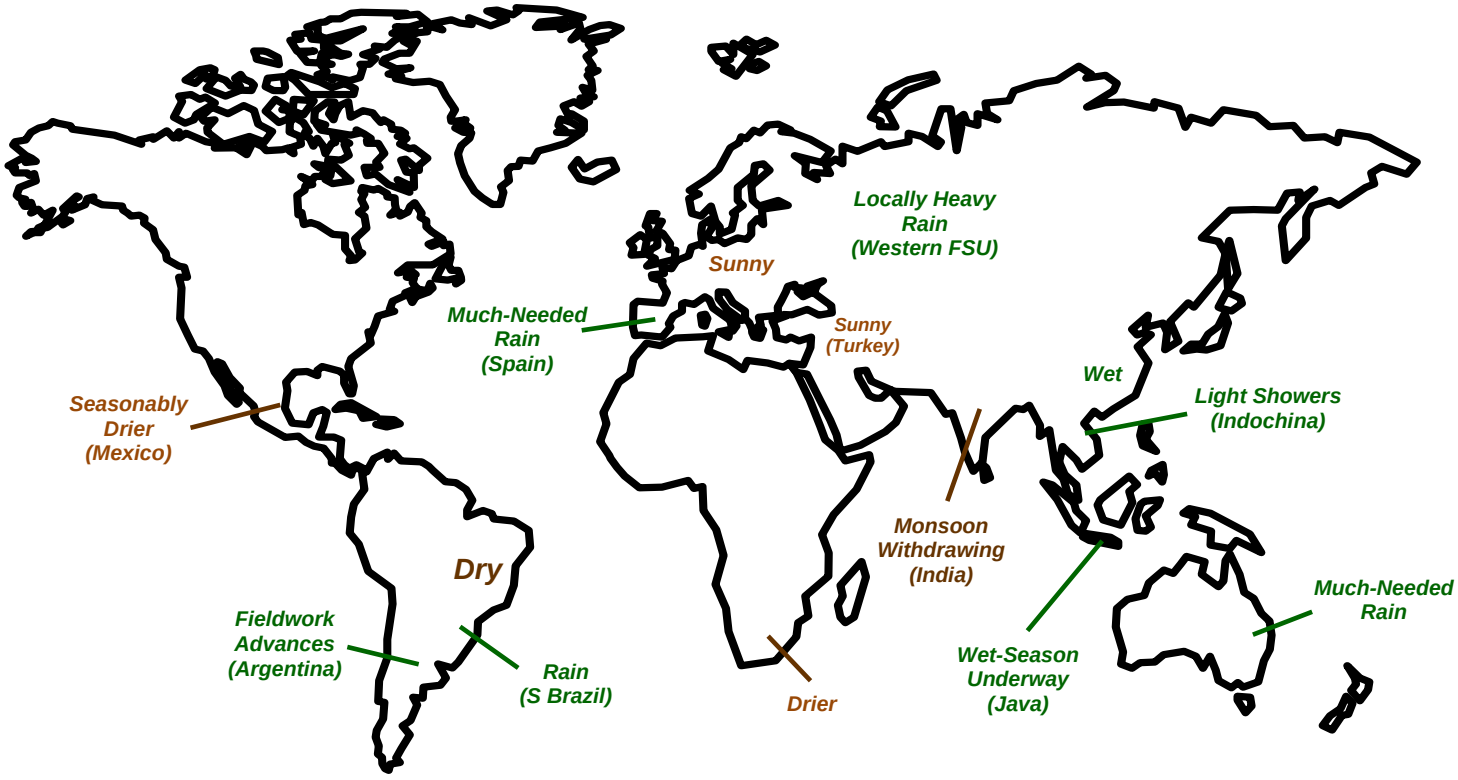
AUSTRALIA: Soaking rain continued to favor summer crop planting and early development in the northeast.

SOUTH AFRICA: A stretch of drier weather favored summer crop planting in eastern sections of the corn belt.

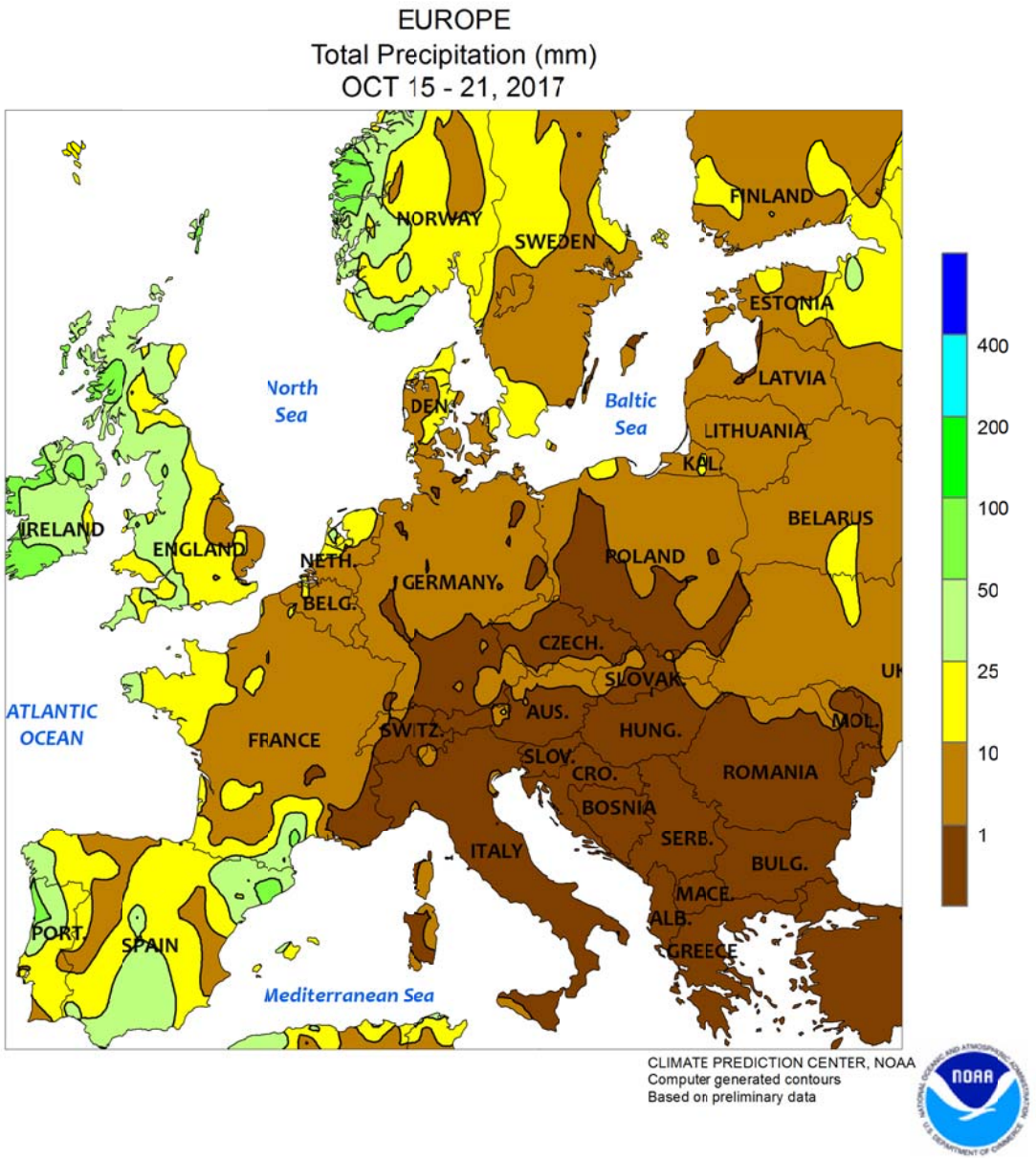
ARGENTINA: Summer grain and oilseed planting progressed.

BRAZIL: Unseasonable dryness and warmth sustained soybean planting delays in central Brazil.

MEXICO: Seasonably drier weather favored maturing summer crops.



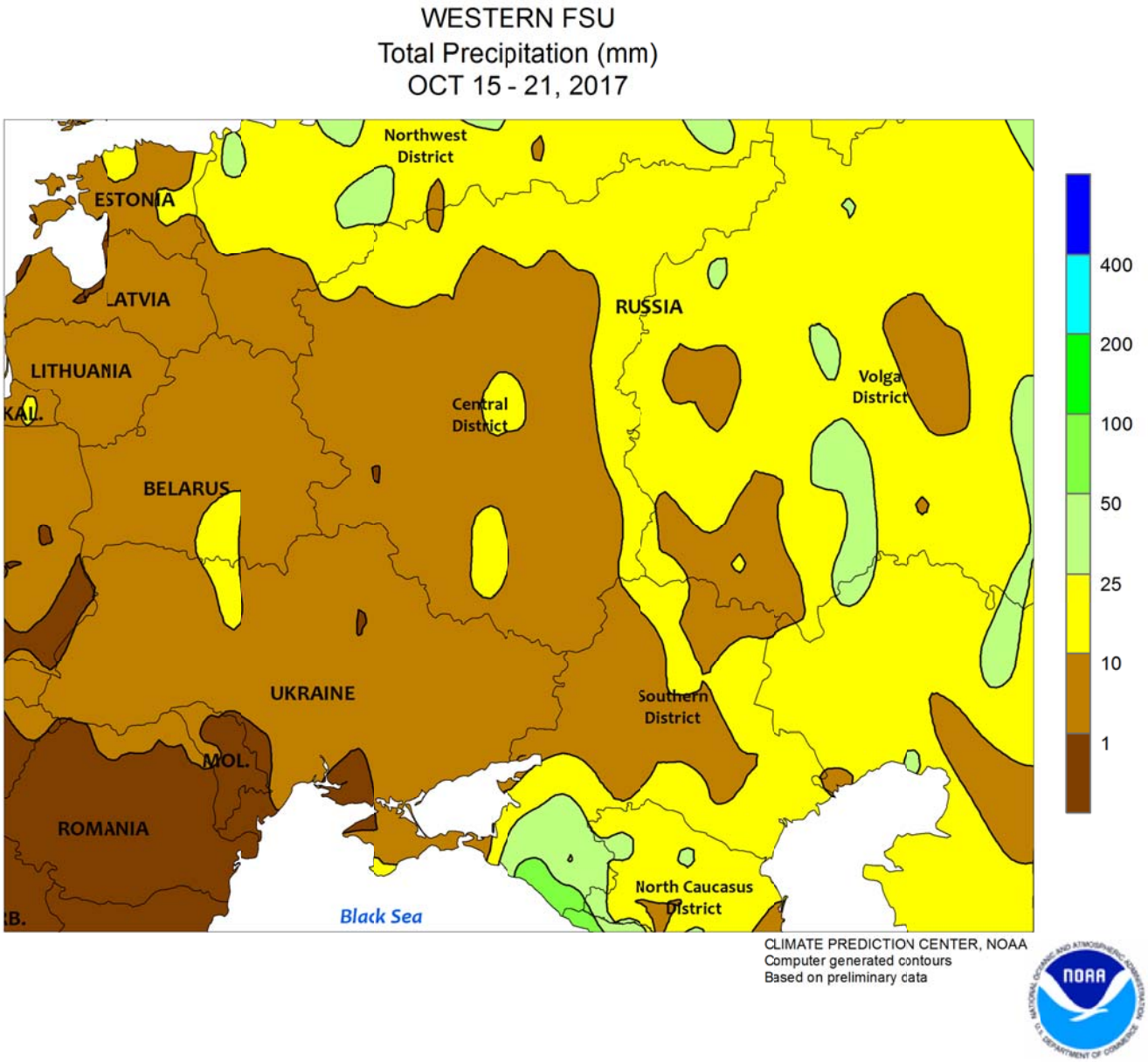
For additional information contact: mbrusberg@oce.usda.gov



EUROPE

Much-needed rain arrived on the Iberian Peninsula, while dry weather for most of the week elsewhere in Europe promoted fieldwork and winter crop establishment. A slow-moving Atlantic storm system brought widespread rain (5-50 mm) to the Iberian Peninsula, easing drought, aiding wildfire containment efforts, and improving soil moisture for winter grain sowing. However, moisture deficits lingered, which were compounded in the more northerly crop regions of Spain (Castilla y León) where locally less than 5 mm was reported. While it is still early in the winter crop cycle in Spain (barley and wheat are typically planted in November), more rain will be needed to alleviate the long-lasting impacts of last year's drought, a hot summer, and a drier-than-normal start to the current autumn-winter growing season. Elsewhere in Europe, sunny skies for much of the week favored seasonal fieldwork and winter crop development. Later in the period, however, a pair of cold fronts produced light showers (1-10 mm) from England and northern France into Poland and the Baltic States, maintaining adequate to abundant moisture supplies for winter crop emergence and establishment. The Balkans remained mostly dry, although a potent storm system was impacting southeastern Europe after the weekly period ended. Temperatures across Europe averaged 3 to 8°C above normal, ensuring a continuation of the current growing season with a lack of hard freezes.

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



WESTERN FSU

Early-week rain in southern Russia alleviated short-term drought and improved moisture supplies for winter wheat. After a protracted dry spell in Russia's Southern District, a strong cold front produced widespread moderate to heavy showers (10-35 mm) early in the period. The rain provided much-needed soil moisture for winter wheat establishment, particularly in key southern production areas of Krasnodar Krai (Southern District) and Stavropol (North Caucasus District). Furthermore, there were no hard freezes, with above-normal temperatures (1-5°C above normal) ensuring ample opportunity for wheat emergence and establishment following the rain. In Ukraine, where dryness has also been an issue, light to moderate showers (2-10 mm) maintained or improved soil moisture for wheat development following beneficial rain in early October. Nevertheless, the dry start to the autumn in Ukraine and Russia promoted a rapid pace of summer crop maturation and harvesting.

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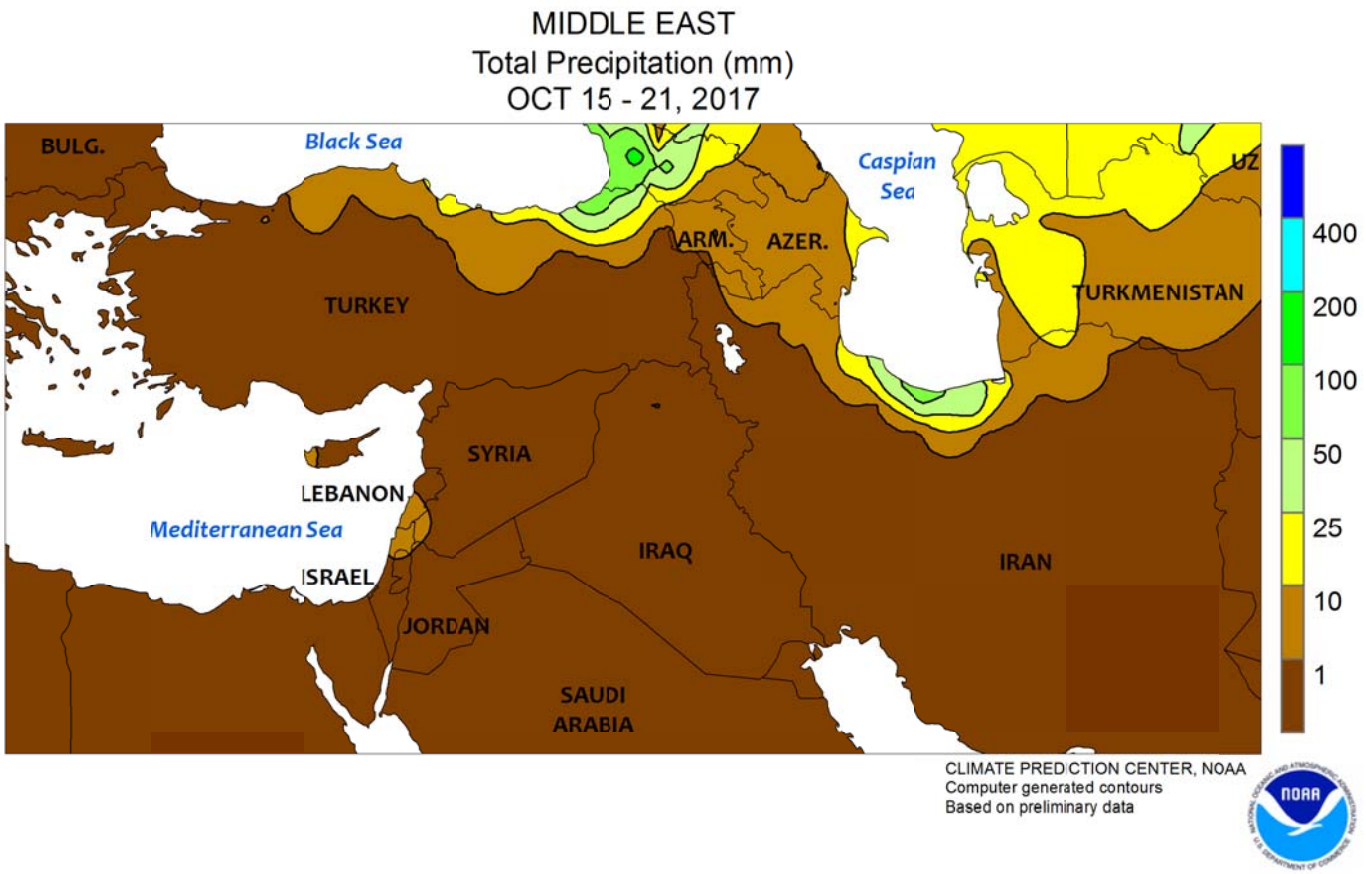

MIDDLE EAST

After recent beneficial showers, dry weather favored seasonal fieldwork and winter grain development. Following last week's rain in Turkey and along the immediate eastern Mediterranean Coast, sunny skies and near-normal temperatures promoted wheat and barley emergence. Despite the recent rainfall, moisture deficits persisted across Turkey's eastern winter grain areas (eastern Anatolian Plateau and the Adana Province). Elsewhere, seasonably dry weather prevailed; rain typically arrives from the eastern Mediterranean Coast into Iraq and southern Iran in late October and November.

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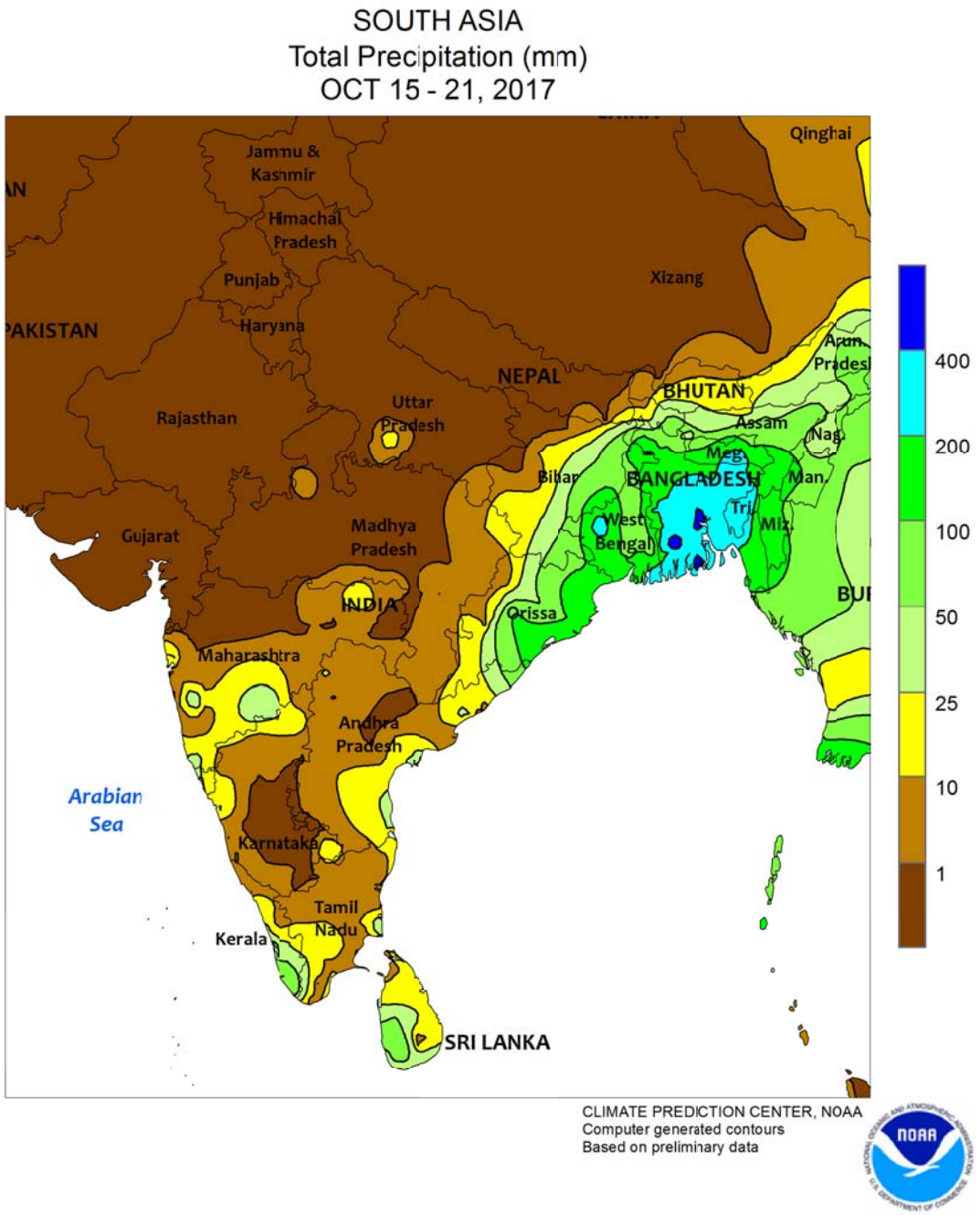

SOUTH ASIA

The southwest monsoon all but vacated India, allowing seasonably drier weather to overspread most of the country. The conditions promoted summer (kharif) crop maturation and harvesting but reduced soil moisture for cotton and oilseeds planted late in the growing season. Rainfall was confined to easternmost areas of India and throughout Bangladesh as a tropical low moved into Bangladesh late in the period. The storm produced heavy downpours (200-400 mm or more) in rice areas of Bangladesh already experiencing prolonged saturated conditions (year-to-date rainfall two to four times the normal amount). Additionally, the downpours extended into eastern Indian states including Orissa, West Bengal, and those neighboring Bangladesh to the east. Flooding was more localized and less pronounced in these areas, causing little damage to rice.

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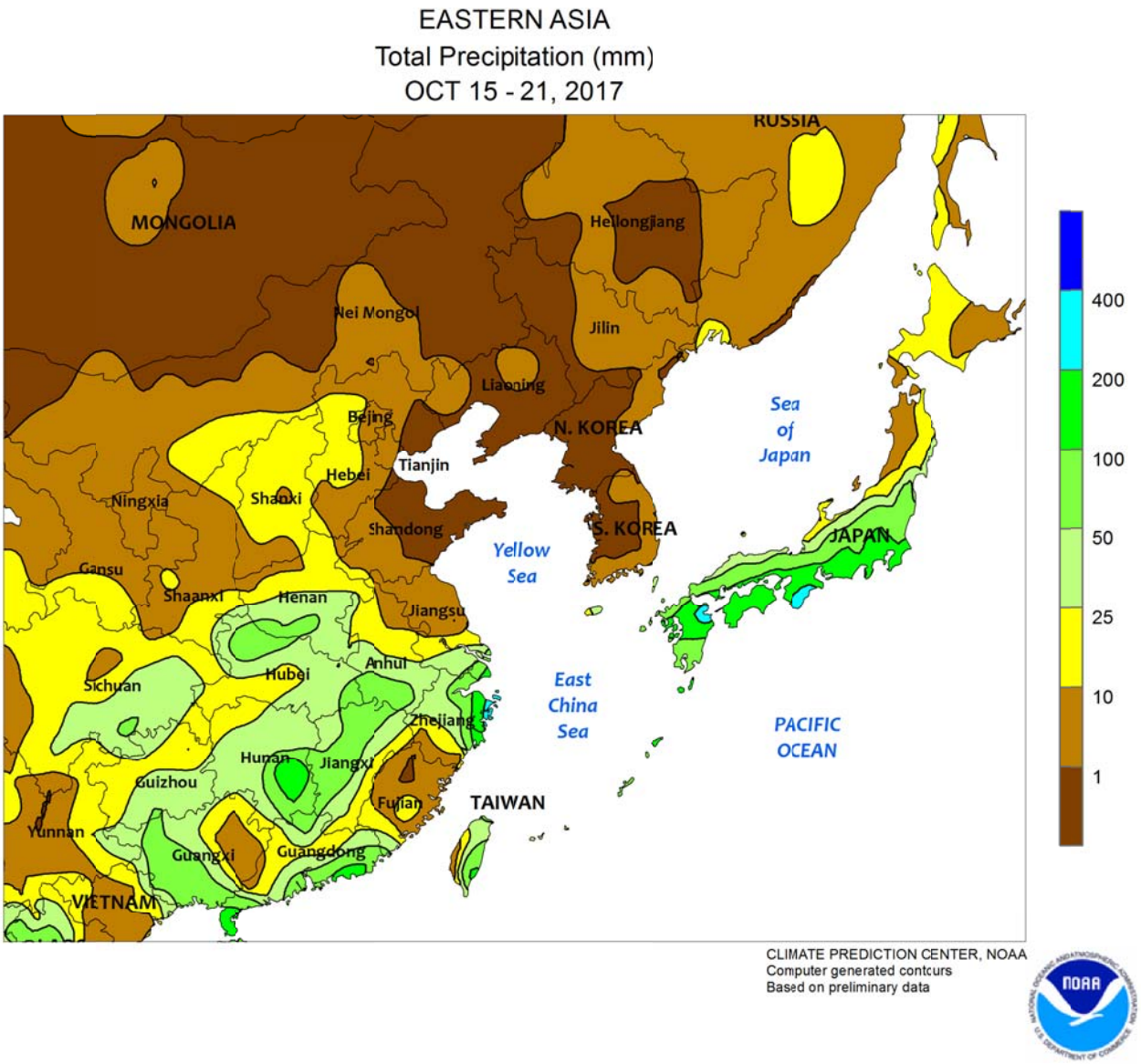

EASTERN ASIA

Rainfall continued across portions of eastern China, slowing seasonal fieldwork but improving soil moisture. On the North China Plain, 10 to over 50 mm of rain in western sections (less than 10 mm in eastern areas) delayed lingering summer crop harvesting and winter wheat planting. Similarly showery weather (25-50 mm or more) in the Yangtze Valley resulted in a slow planting pace for winter rapeseed. Temperatures in eastern China averaged 1 to 3°C below normal in most areas, though temperatures were sufficient to promote emergence of newly sown winter crops. Meanwhile, Typhoon Lan moved northward into the East China Sea and was approaching southern Japan by week's end. Moisture was extending well ahead of the storm, producing heavy showers (over 100 mm) in the southern half of Japan, outside major rice producing areas that reside in the north.

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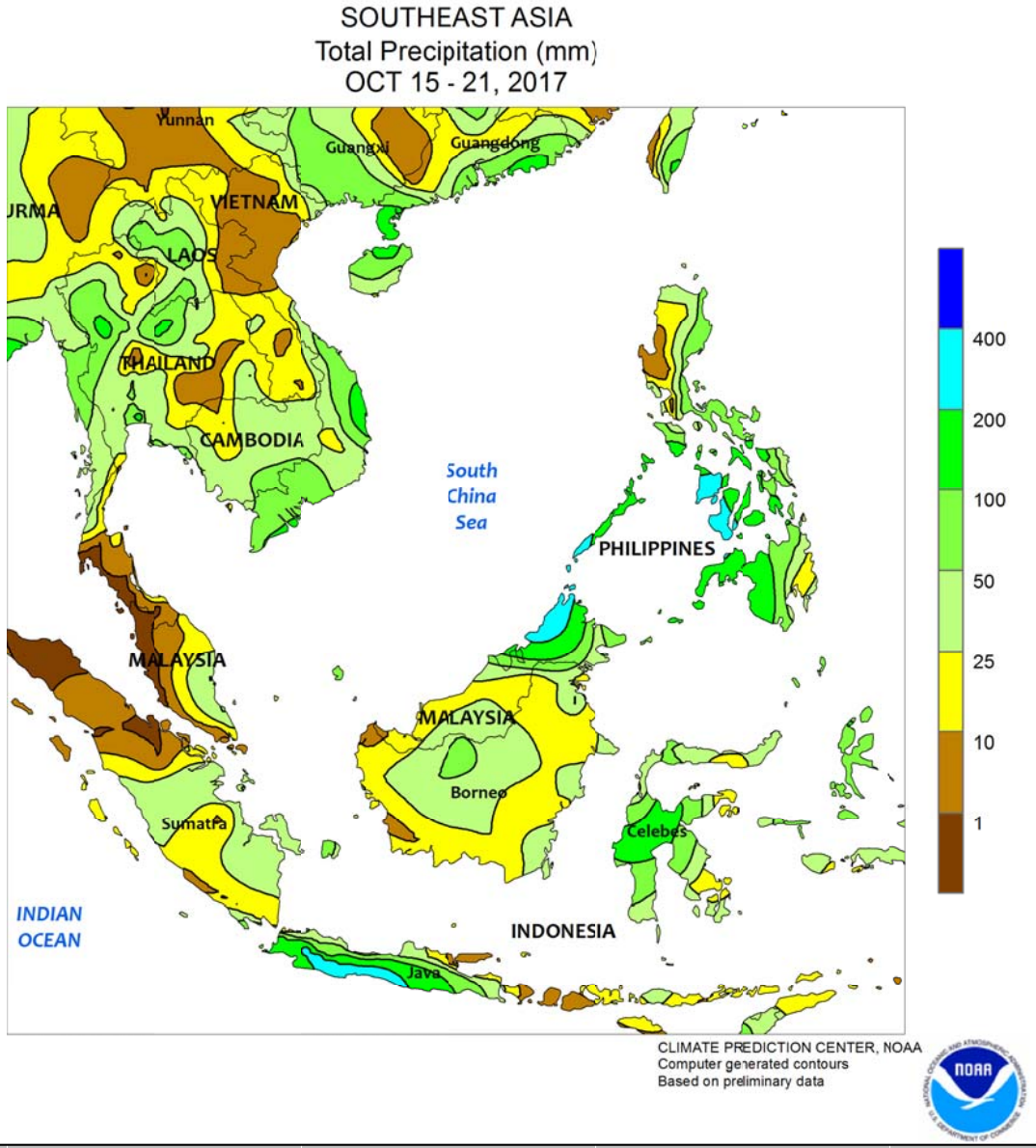

SOUTHEAST ASIA

Monsoon showers eased in parts of Indochina, with the majority of rainfall (25-100 mm or more) confined to western districts of Thailand, southern Vietnam, and adjoining areas of Cambodia (based on satellite-derived rainfall estimates and surface observations). The wet weather in these areas aided rice sown in the latter part of the season, while also improving water reserves for dry-season rice sown in November. However, the rainfall was less welcome for coffee harvesting in Vietnam. Meanwhile in the Philippines, the outer rainbands of Typhoon Lan lashed the central Philippines with heavy downpours (100-200 mm or more) as it passed to the east. The rain slowed seasonal fieldwork including rice harvesting but occurred outside major-producing areas, resulting in little damage to rice. Farther south, lighter-than-normal showers (less than 25 mm) in oil palm areas of Malaysia and Indonesia caused few harvest delays as the peak harvest period (September-October) winds down. In Java, Indonesia, the wet season was underway earlier than usual in western areas, as heavy showers (25-100 mm) increased soil moisture and water reserves for rice cultivation. The wet season typically begins across Java in November.

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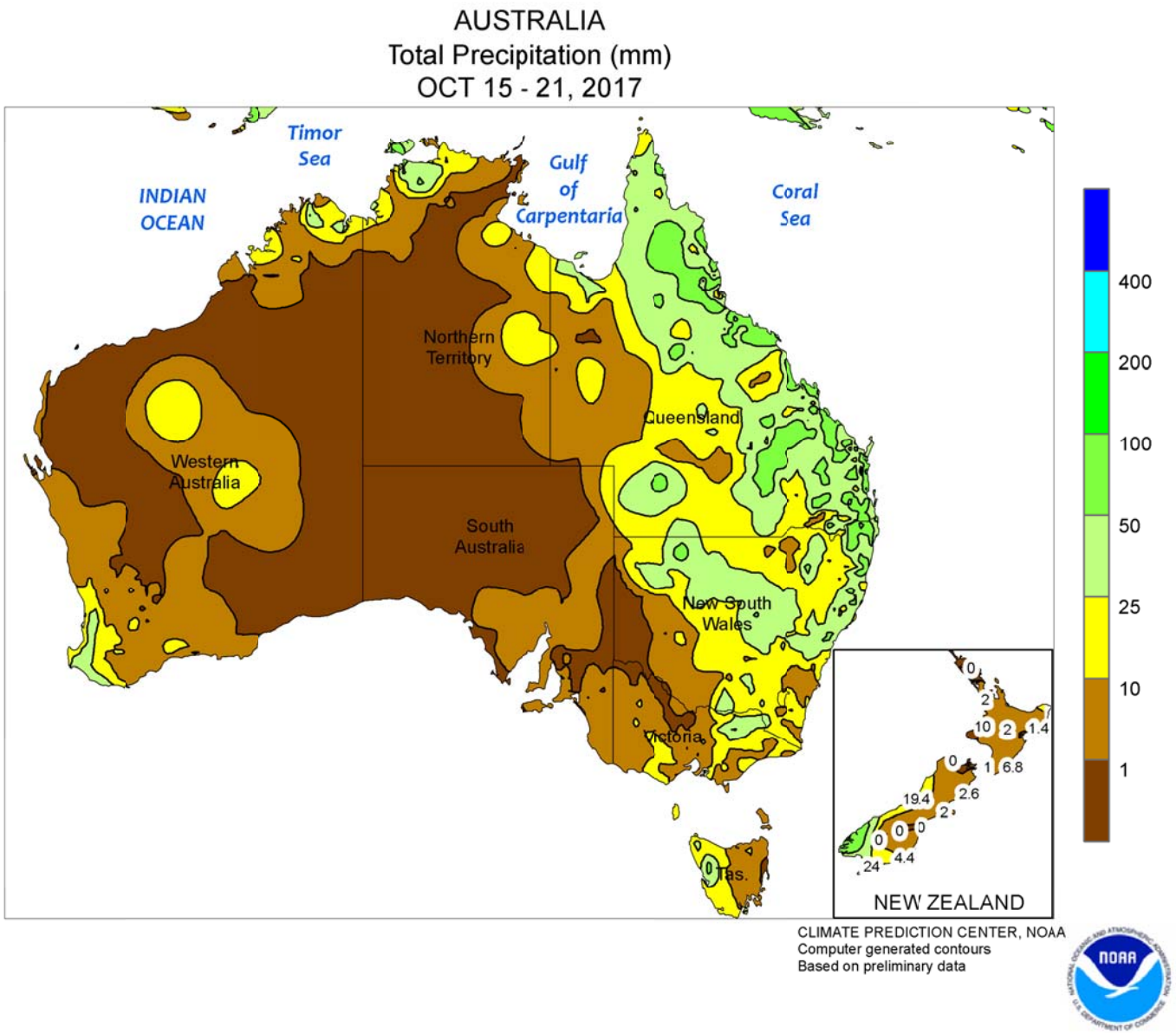

AUSTRALIA

For the third consecutive week, soaking rain (10-50 mm or more) fell across southern Queensland and northern New South Wales, further reducing moisture deficits in the wake of persistent dryness but hampering winter wheat dry down and early harvesting. Despite causing local flooding, the wet weather was overall beneficial for summer crops, increasing topsoil moisture and irrigation supplies for cotton, sorghum, and other crops which are currently being sown. Elsewhere in New South Wales, abundant rain (10-50 mm, locally more) in southern parts of the state helped stabilize yield prospects for filling wheat and other immature winter crops. In contrast, widely scattered, light showers (less than 5 mm) in northern Victoria and South Australia provided little additional moisture for immature winter grains and oilseeds. In Western Australia, widespread showers (5-25 mm) slowed dry down of maturing winter crops in the north but benefited immature crops in the south. Unseasonably warm weather accelerated winter crops toward maturation in western and southeastern Australia, where temperatures averaged 2 to 5°C above normal. In northeastern Australia, seasonably warm weather favored early summer crop development.

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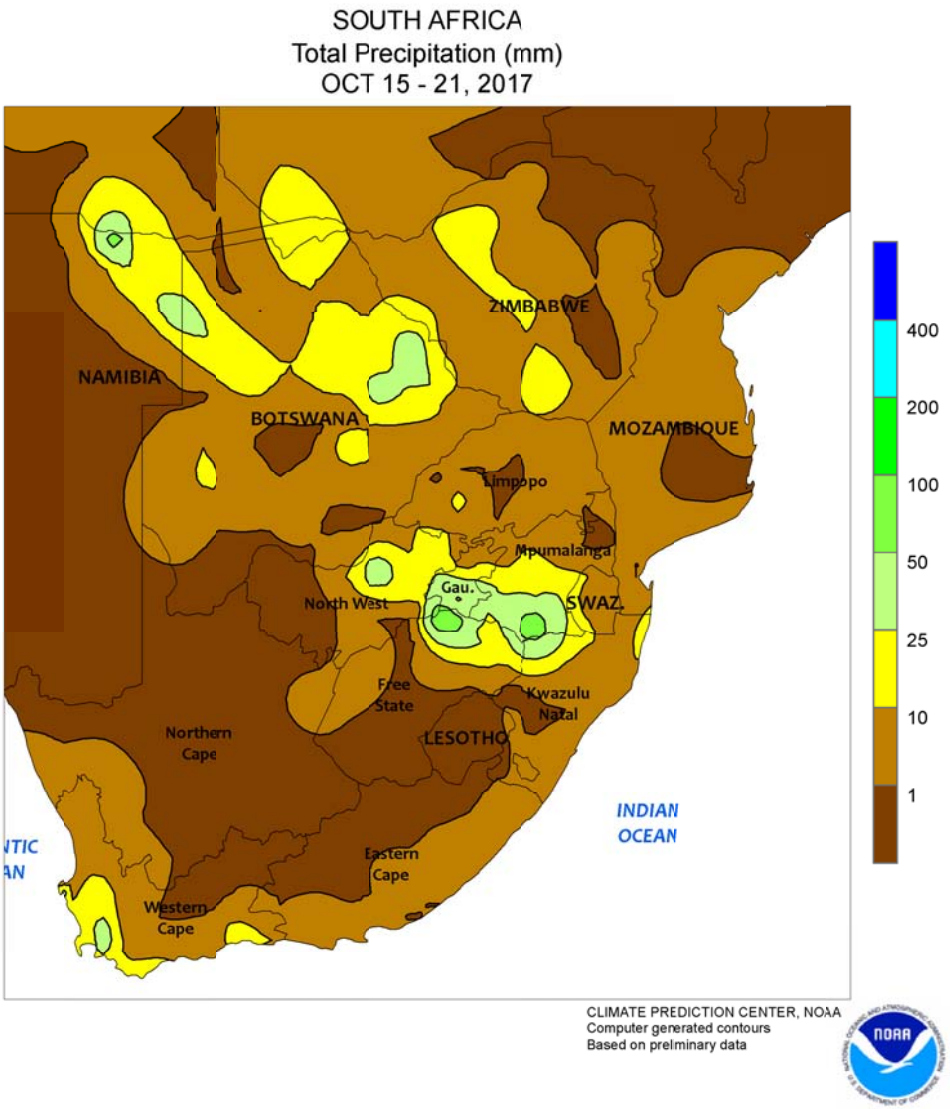

SOUTH AFRICA

Following several weeks of beneficial rainfall, drier conditions favored corn planting and other seasonal fieldwork. The week began with sunny, generally warm weather (daytime highs in the middle and upper 20s degrees C, though periodically reaching the 30s), which began to develop toward the end of the prior week. Nighttime lows approached freezing (0-2°C) in Mpumalanga and eastern Free State, limiting early development of newly-sown corn. Rain (3-25 mm, locally higher) returned to the region at week's end, extending westward into white corn areas of North West; however, crops are typically planted later in the growing season in western sections of the corn belt so the rainfall will not spur widespread planting. Elsewhere, dry weather returned to sugarcane areas of KwaZulu-Natal and eastern Mpumalanga, accompanied by near-normal temperatures (daytime highs reaching the upper 30s in the traditionally warmer — and irrigated — northern production areas). Mostly dry, albeit cooler-than-normal weather (weekly temperatures averaging 1-3°C below normal) dominated major farming areas of the Cape Provinces. An exception was the southern agricultural areas of Western Cape, where moderate rain (greater than 10 mm) boosted irrigation reserves for tree and vine crops.

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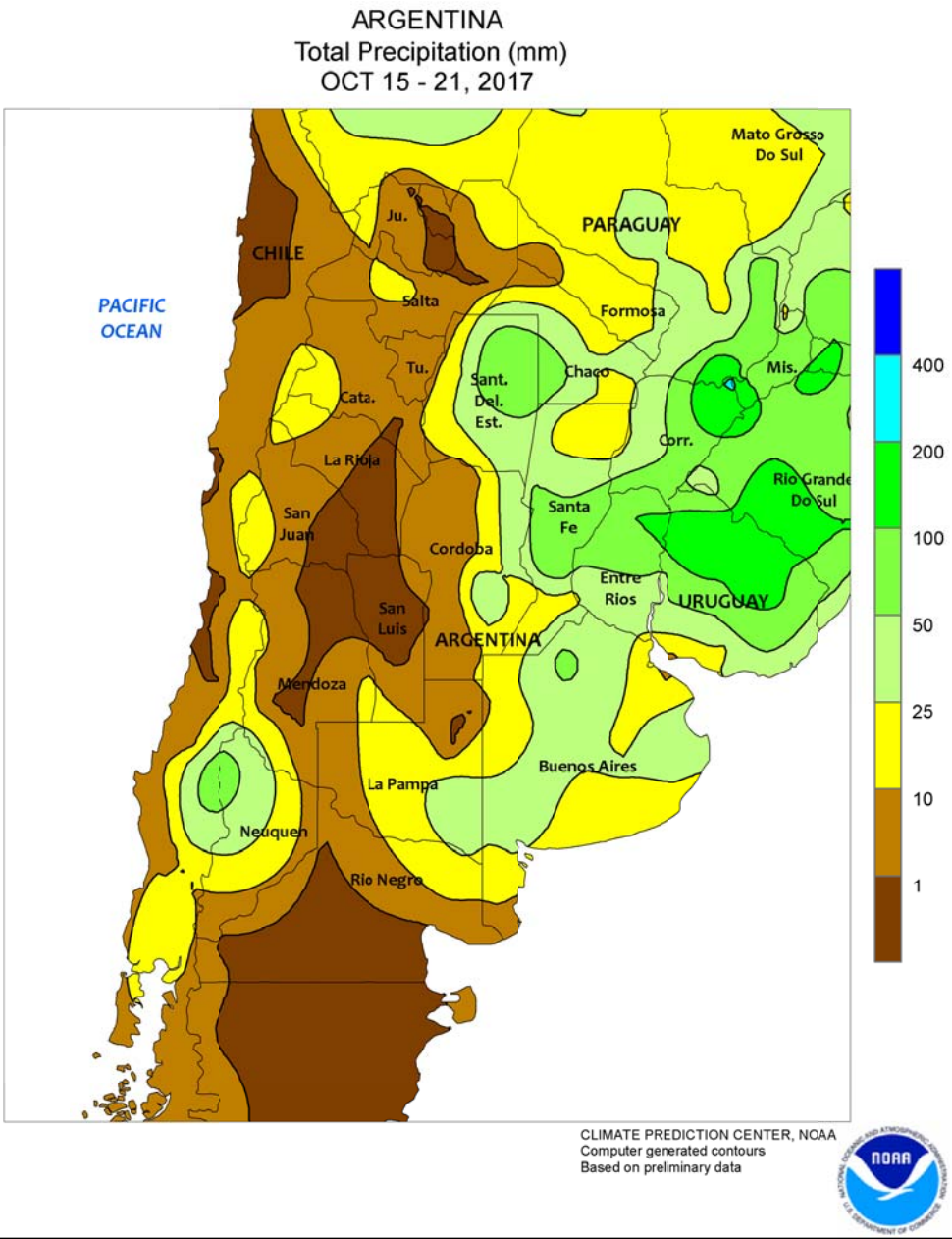

ARGENTINA

Locally heavy showers returned to eastern farming areas, as drier conditions dominated the west. The heaviest rain (greater than 50 mm) was concentrated over the northeast (notably large parts of Entre Rios and Corrientes), maintaining adequate to abundant levels of moisture for germinating summer crops but likely causing localized delays in fieldwork. Other parts of the east (southern La Pampa and Buenos Aires northward to Chaco and Formosa) recorded 10 to 50 mm. In contrast, dry weather prevailed in western agricultural areas (northern La Pampa to Salta), favoring planting after last week's light showers. Weekly temperatures averaged 2 to 3°C above normal throughout the region, with daytime highs reaching the lower 40s (degrees C) on several days in the north (including northern parts of Santiago del Estero and large sections of Chaco and Formosa). Nighttime lows fell below 5°C in some of the traditionally cooler western and southern production areas but no widespread freeze was reported. According to Argentina's Ministry of Agriculture, sunflower planting advanced 6 points this week to 46 percent complete, 5 points ahead of last year's pace; much of the activity was recorded in Buenos Aires, Argentina's largest producer. Meanwhile, corn was 26 percent planted, comparable to last year's national progress.

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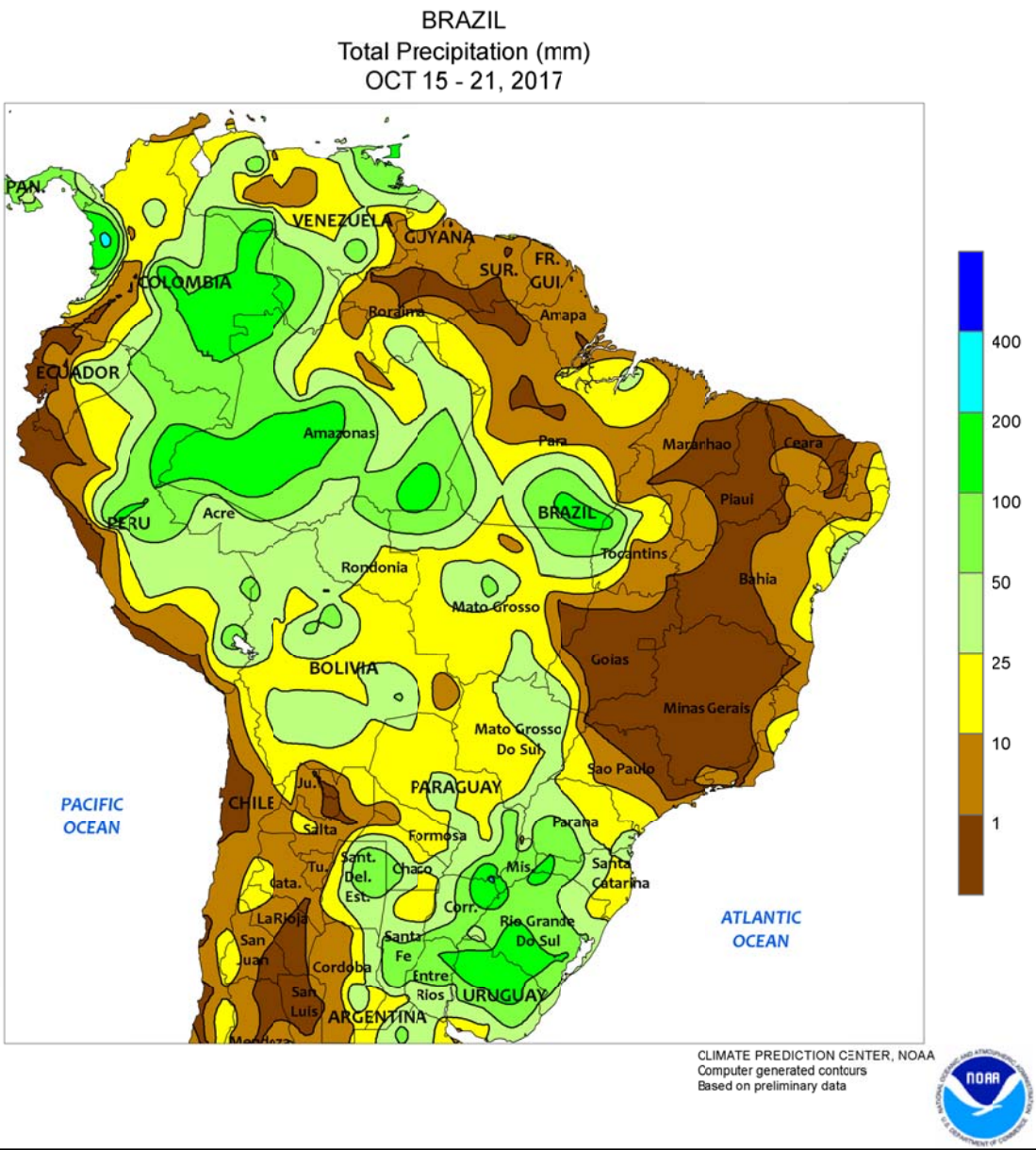

BRAZIL

Unseasonable warmth and dryness sustained delays in planting soybeans and other summer row crops in large sections of central Brazil. As farmers awaited the rainy season in the Center West and northeastern interior regions (most locations from Mato Grosso eastward to the Atlantic Coast), weekly temperatures averaged 2 to 4°C or more above normal, with daytime highs reaching 40°C in many locations for most of the week. At week's end, showers (greater than 10 mm) moistened topsoils in southern Mato Grosso and neighboring areas of Mato Grosso do Sul, helping to condition fields for planting. According to the government of Mato Grosso, corn was 26 percent planted as of October 20, compared with 42 percent last year. Farther south, overall beneficial rain (25 to more than 100 mm) fell from southern Parana southward through Rio Grande do Sul, maintaining overall favorable levels of moisture for newly planted corn and soybeans. Seasonable warmth (daytime highs reaching the middle and upper 30s degrees C) accompanied the southern moisture, spurring rapid development of emerging summer crops and fostering rapid growth of the remainder of the region's wheat. According to the government of Parana, soybeans and first-crop corn were 51 and 76 percent planted, respectively, as of October 16; wheat was 79 percent harvested, with most of the remaining crop in filling to maturing stages of development. In Rio Grande do Sul, wheat was reportedly 2 percent harvested as of October 19, with delays from poor weather conditions noted.

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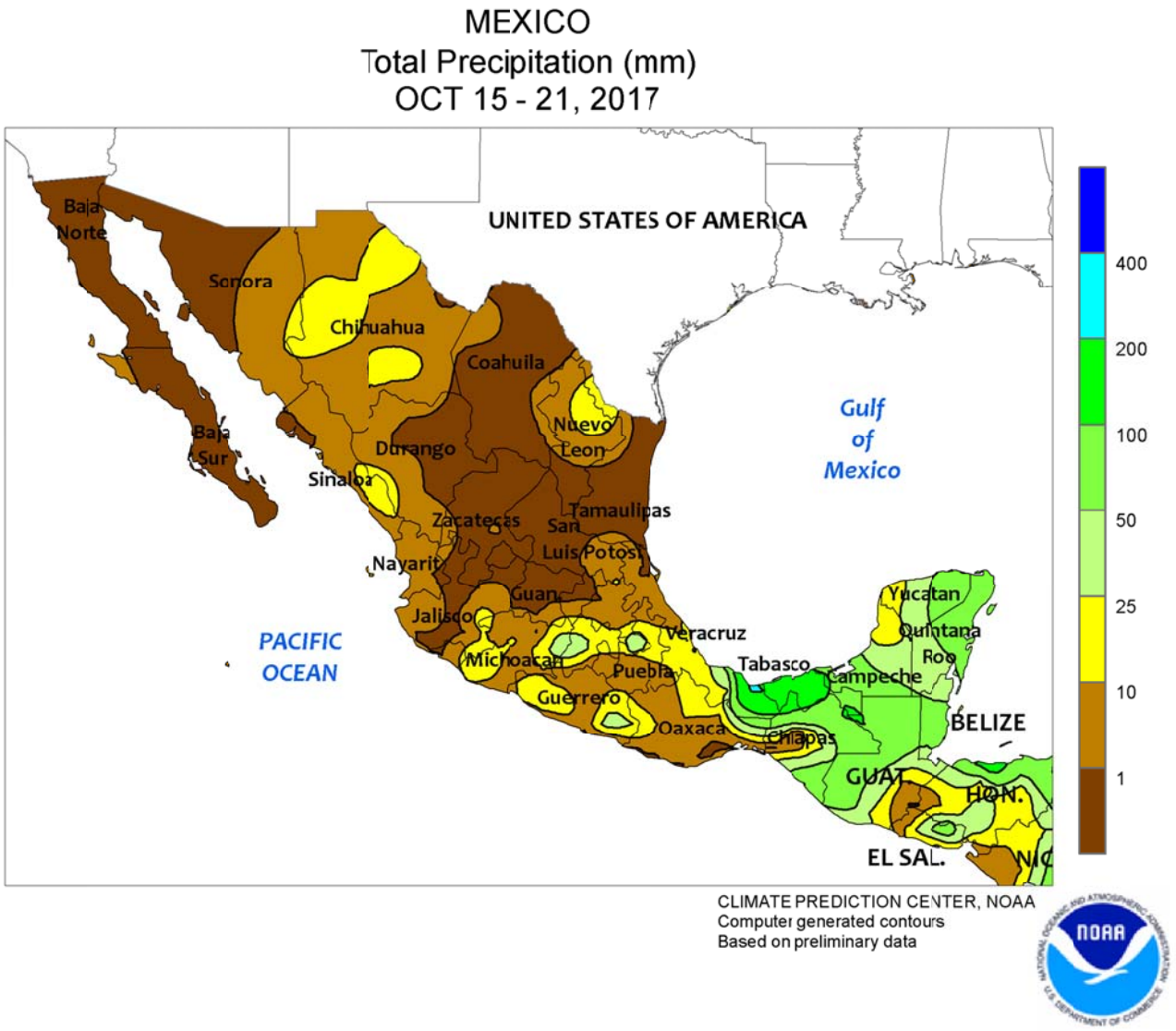

MEXICO

Seasonably drier weather dominated northern and south-central agricultural areas. On the southern plateau, rainfall (greater than 10 mm) was mostly confined to Puebla and the state of Mexico as warmth and dryness occurred elsewhere in the region. Weekly temperatures averaging 2 to 3°C above normal accompanied the dryness, assuring rapid development of filling to maturing corn across the region. Elsewhere in southern Mexico, mostly dry weather prevailed along the southern Pacific Coast but heavy rain (50-100 mm or more) continued over southern Veracruz and Tabasco, with generally lighter amounts (10-50 mm) over the Yucatan Peninsula. Meanwhile, warm, dry weather dominated northern Mexico as the rainy season continued to wind down. Monsoon showers (locally in excess of 10 mm) were scattered throughout Chihuahua and neighboring locations in Sinaloa and Sonora, where above-normal temperatures (averaging 2-3°C above normal, with daytime highs reaching 40°C in spots) maintained high evaporative losses and increased water requirements of crops and livestock. Similarly, warm, mostly dry weather returned to the northeast, following several weeks of beneficial rainfall.

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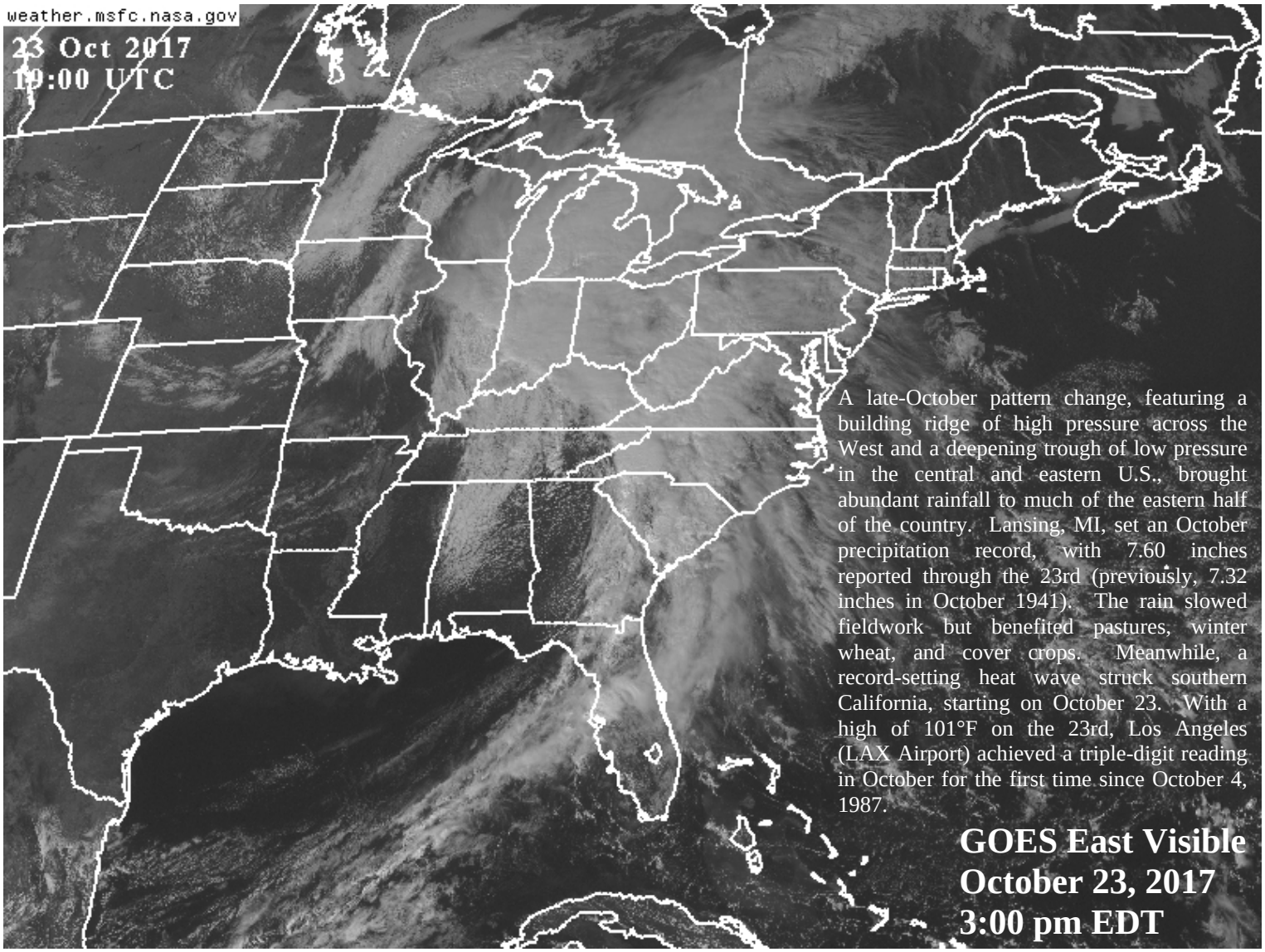

A late-October pattern change, featuring a building ridge of high pressure across the West and a deepening trough of low pressure in the central and eastern U.S., brought abundant rainfall to much of the eastern half of the country. Lansing, MI, set an October precipitation record, with 7.60 inches reported through the 23rd (previously, 7.32 inches in October 1941). The rain slowed fieldwork but benefited pastures, winter wheat, and cover crops. Meanwhile, a record-setting heat wave struck southern California, starting on October 23. With a high of 101°F on the 23rd, Los Angeles (LAX Airport) achieved a triple-digit reading in October for the first time since October 4, 1987.

GOES East Visible
October 23, 2017
3:00 pm EDT

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