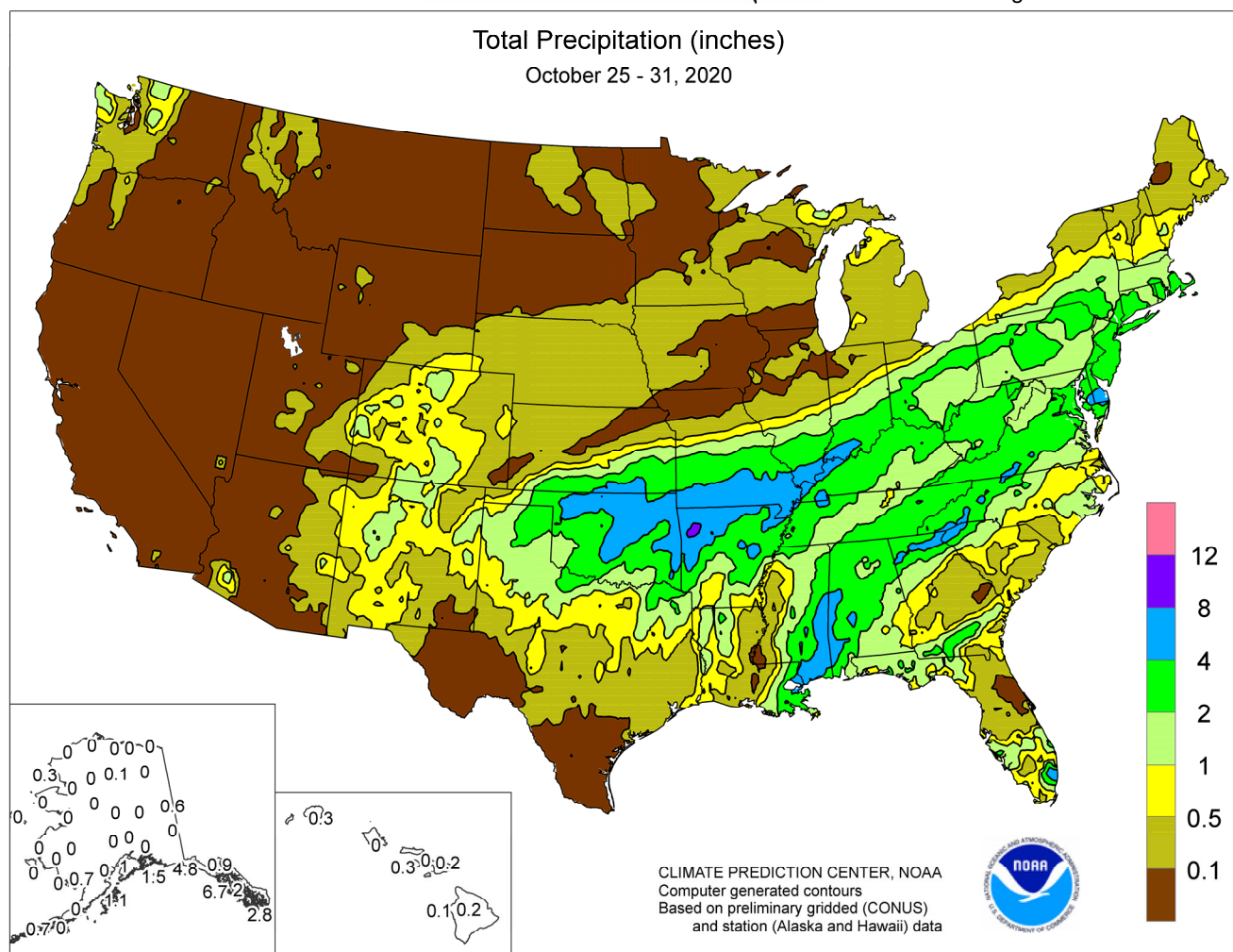


WEEKLY WEATHER AND CROP BULLETIN

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, 2020

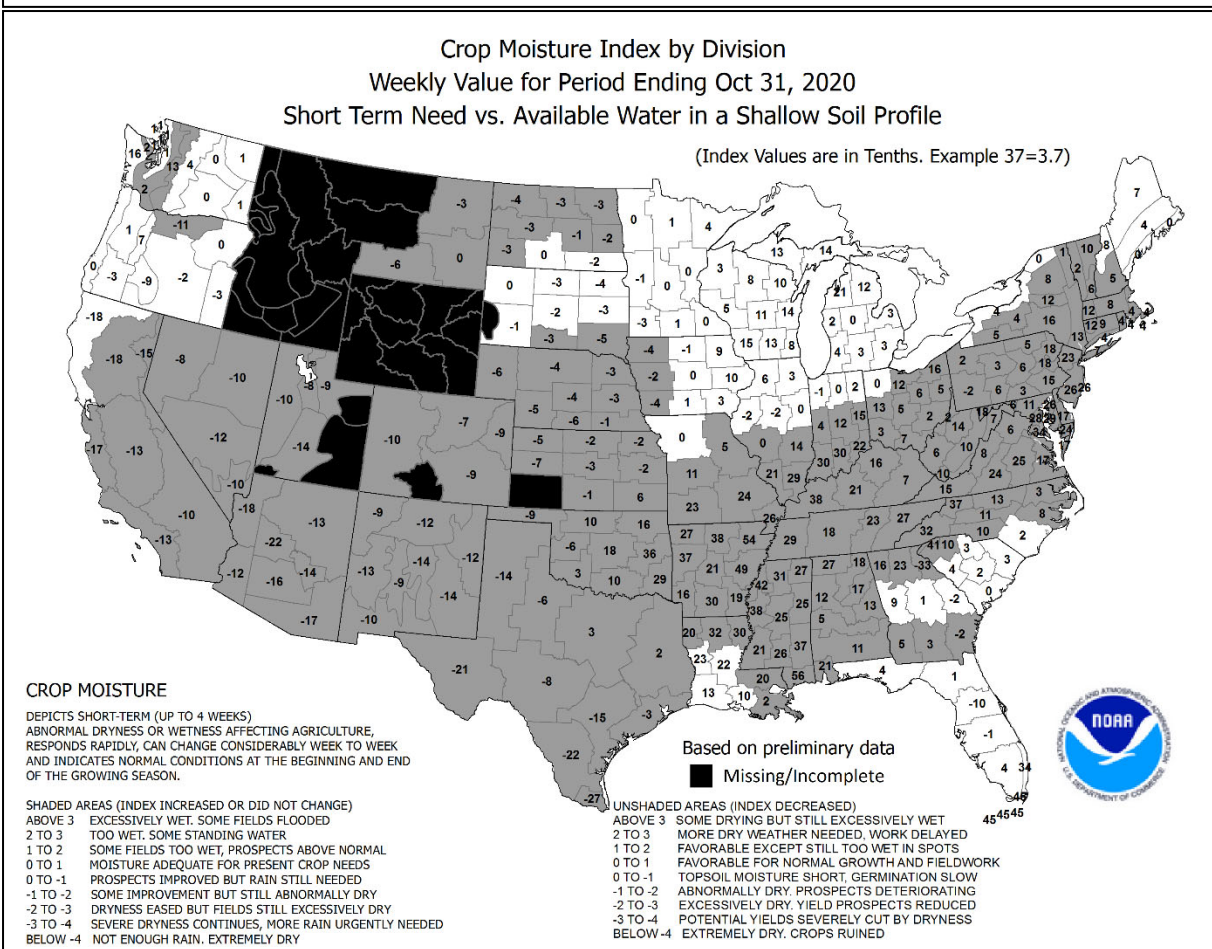
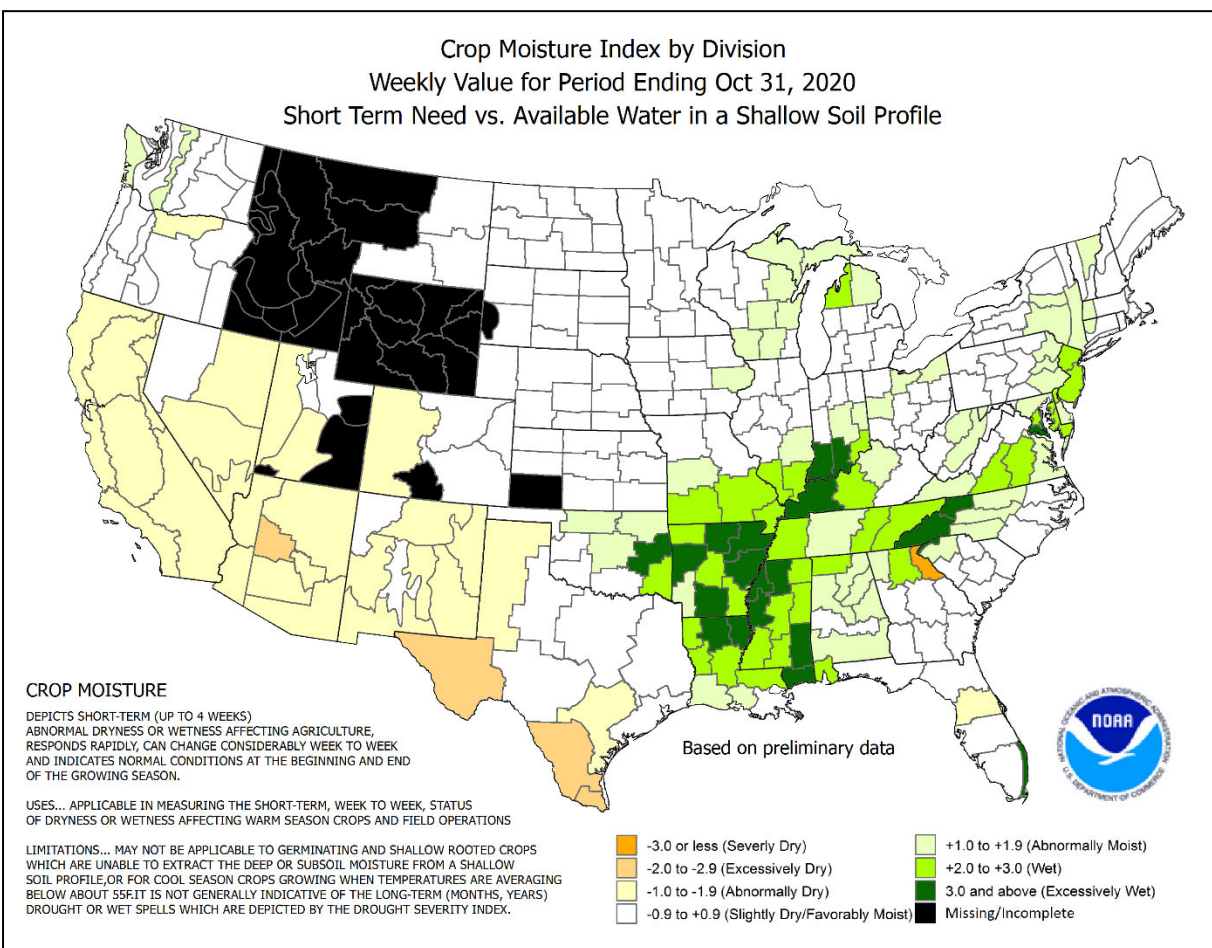
Highlights provided by USDA/WAOB

Category 2 Hurricane Zeta moved ashore in **southeastern Louisiana** near **Cocodrie** around 4 pm CDT on October 28, bearing sustained winds of 110 mph. Zeta's rapid forward motion limited flood impacts, but tropical storm-force winds (39 to 73 mph) spread northeastward from the **central Gulf Coast across the southern Appalachians to the middle Atlantic Coast**. Like many of this year's hurricanes and tropical storms, Zeta posed a threat to unharvested crops such as cotton, soybeans, and sugarcane, with assessments continuing at week's end.

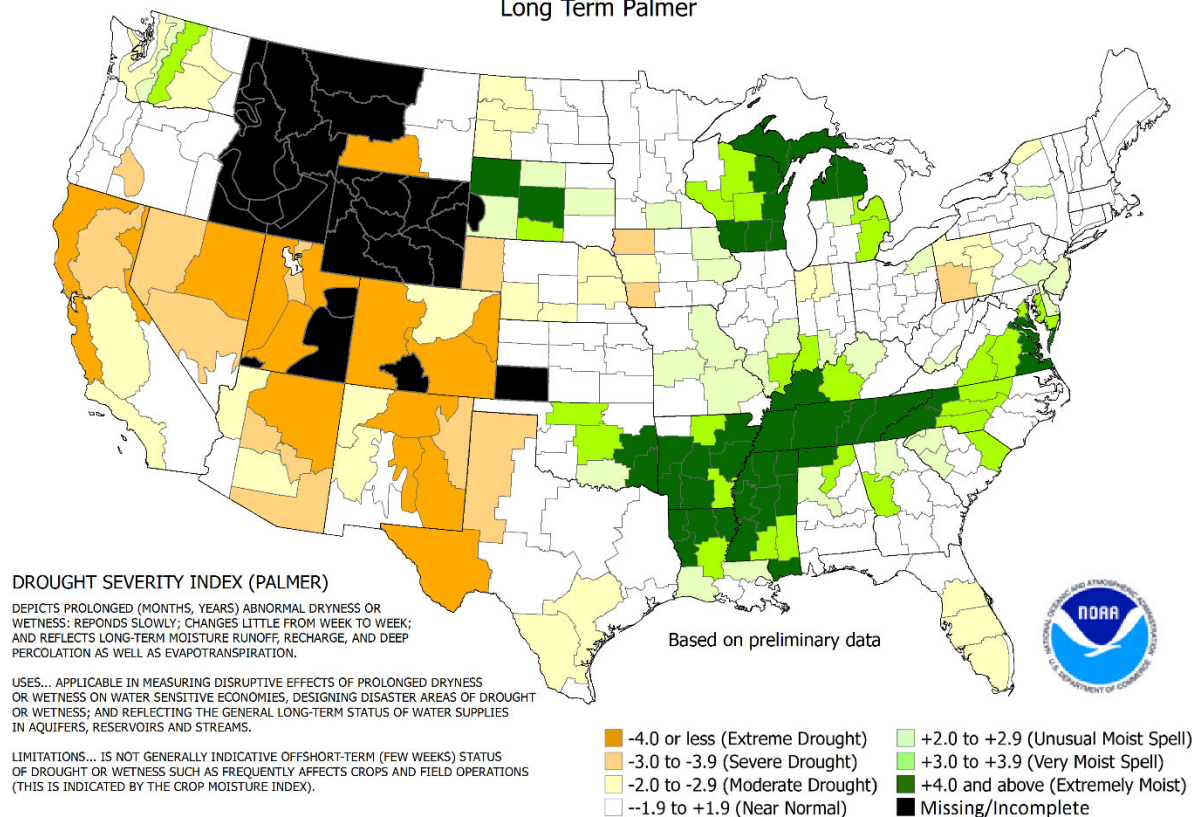
(Continued on page 5)

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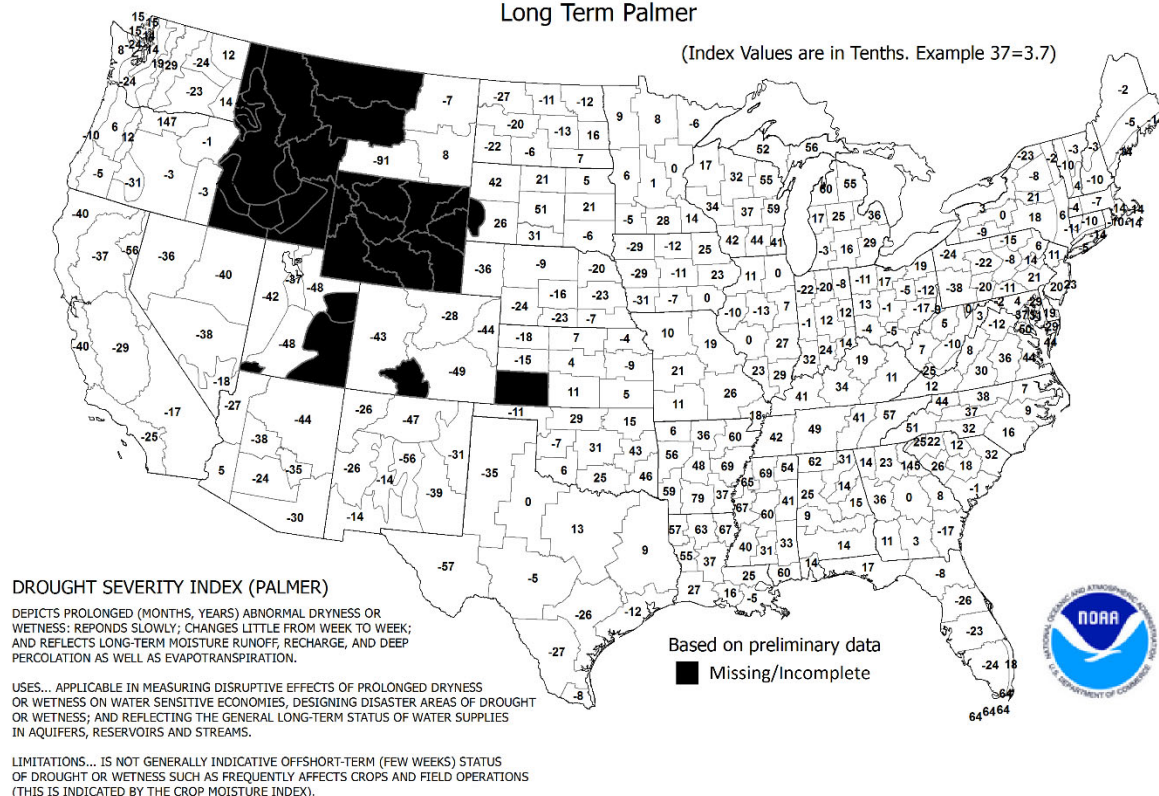
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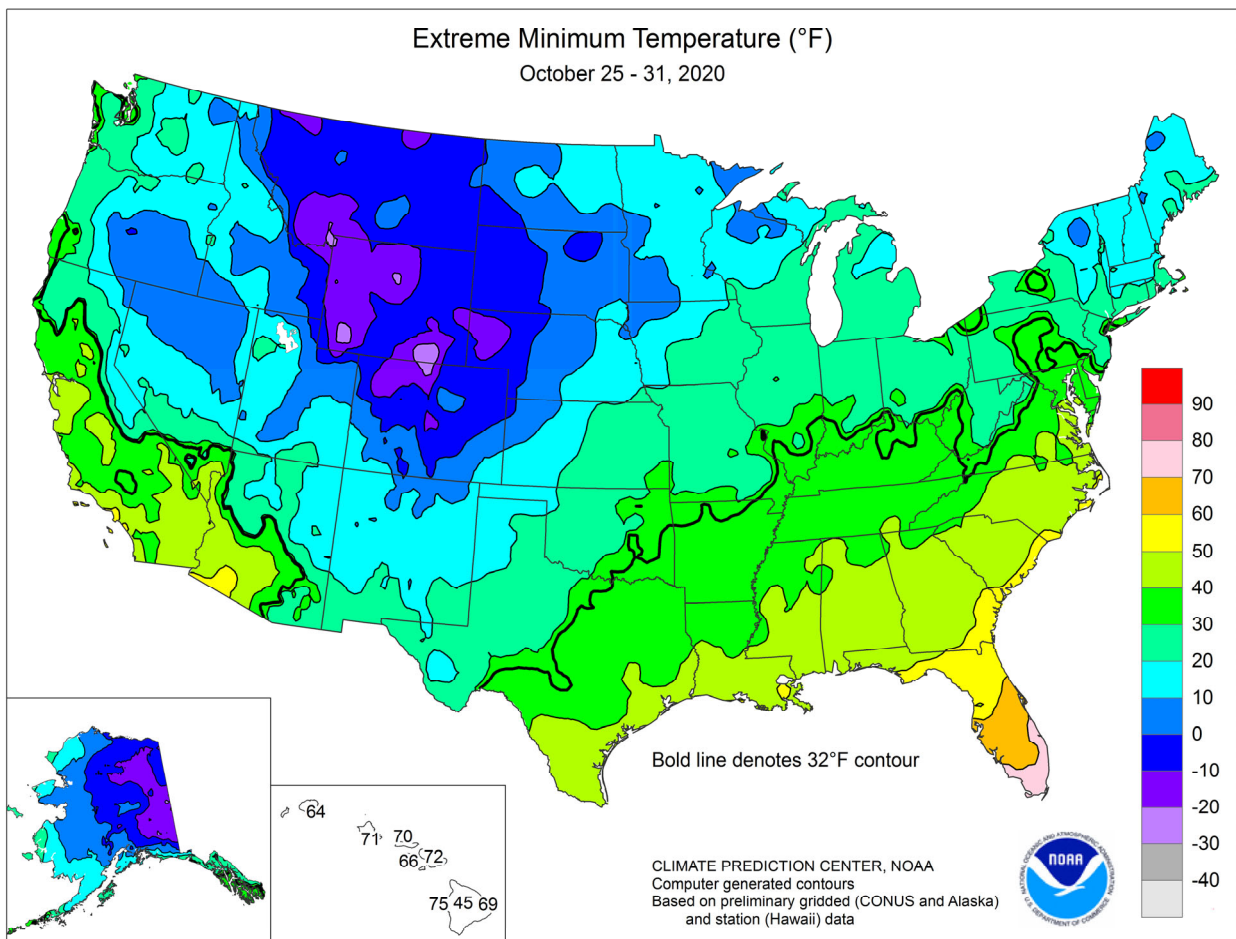
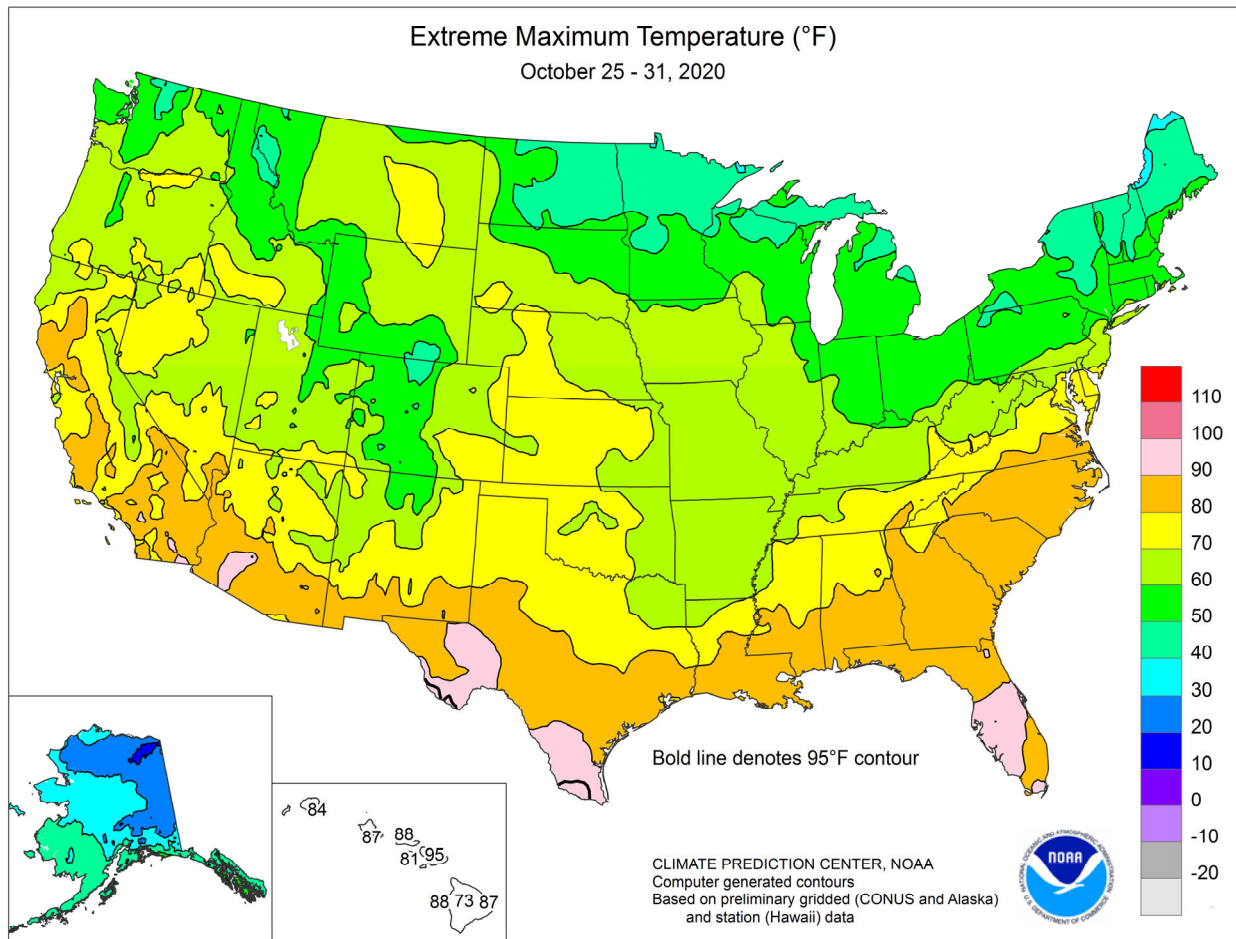


Drought Severity Index by Division
Weekly Value for Period Ending Oct 31, 2020
Long Term Palmer



Drought Severity Index by Division
Weekly Value for Period Ending Oct 31, 2020
Long Term Palmer



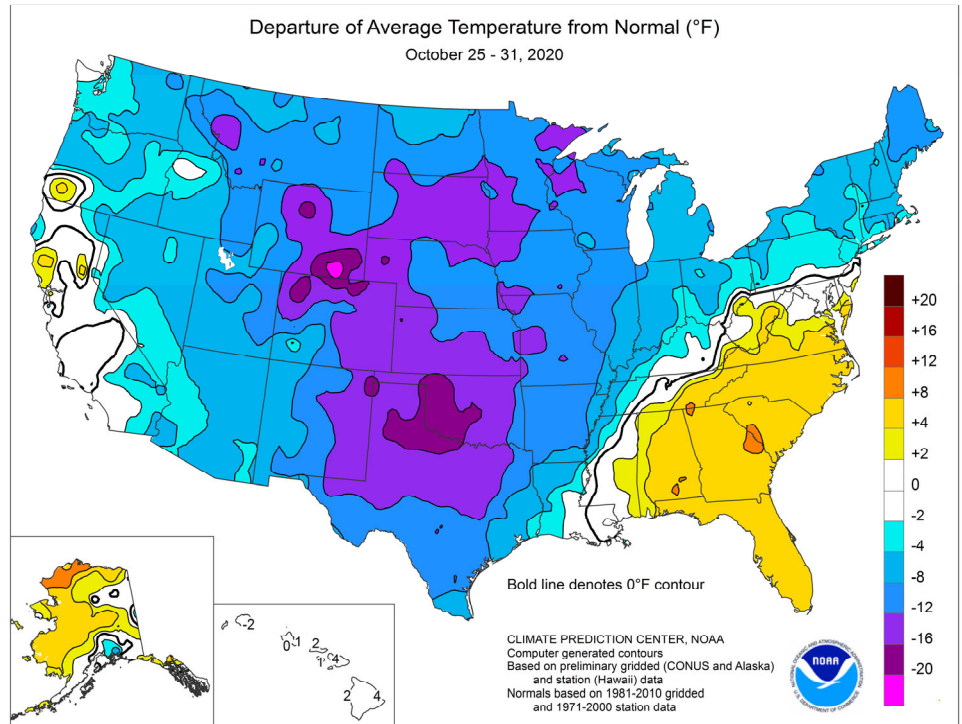


(Continued from front cover)

Meanwhile, a record-setting cold wave—with weekly temperatures averaging 10 to 20°F below normal—continued for several days across the **Rockies, Plains, and upper Midwest**. Temperatures plunged below 0°F as far south as **Colorado**. Chilly weather also extended eastward into **New England**. In contrast, lingering **Southeastern** warmth boosted weekly temperatures more than 5°F above normal. Farther west, a winter-like storm system produced rain, sleet, freezing rain, and snow across **central and southern sections of the Rockies and Plains**, stressing livestock but benefiting drought-stressed winter wheat. Later, the storm sparked heavy rain from the **mid-South into the Ohio Valley**, in part due to interaction with the remnants of Zeta. Most of the remainder of the country experienced cold, dry weather. In **southern California**, gusty winds accompanied the surge of colder air, contributing to the rapid spread of a couple of wildfires. Snow, which had fallen the previous week across the **northern Plains, upper Midwest, and interior Northwest**, began to erode. However, the snow coverage was timely, providing beneficial moisture and insulation for emerging winter wheat.

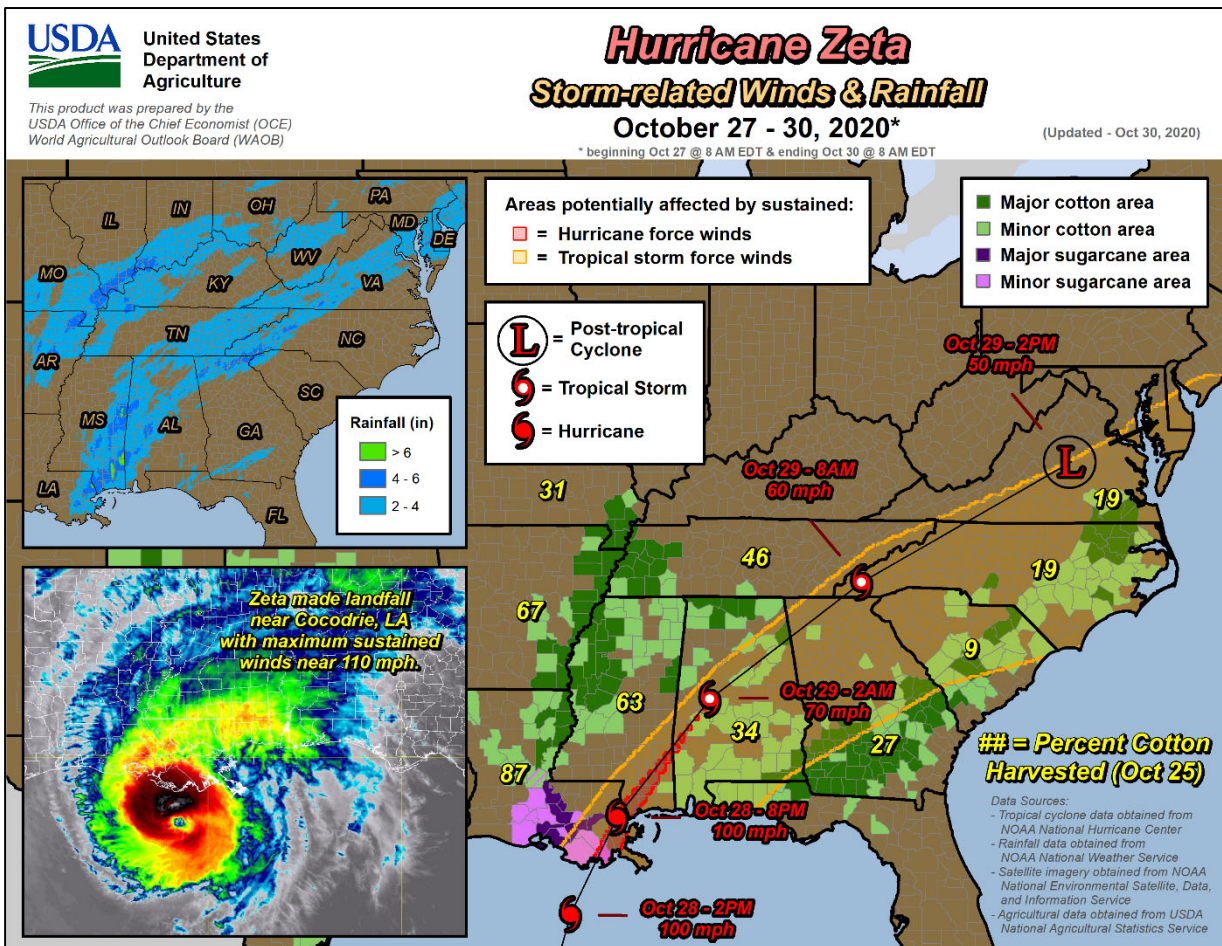
Several **Montana** locations, including **Billings** (20, 10, 7, 5, and 9°F) and **Livingston** (7, 3, 6, 5, and -7°F) tallied five consecutive daily-record lows from October 22-26. Record-low October temperatures were set on the 26th in numerous locations including **Bozeman, MT** (-20°F), and **Rapid City, SD** (-7°F). Previous records had been -14°F (on October 29 and 30, 2019) in **Bozeman** and -2°F (on October 31, 1991, and October 30, 2019) in **Rapid City**. Another wave of monthly records occurred on October 27, when lows plunged to -26°F in **Laramie, WY**; -10°F in **Scottsbluff, NE**; and 0°F in **Burlington, CO**, and **Goodland, KS**. **Laramie's** previous record had been set on October 30, 1993, with a low of -18°F. **Scottsbluff's** lowest October reading had been -6°F, on October 31, 1991. **Goodland's** previous earliest reading of 0°F or below had occurred on November 2, 1951; the October record in that location had been 1°F on October 29, 1917. Once cold weather reached the **Intermountain West**, it was slow to ease. **Grand Junction, CO**, registered four consecutive daily-record lows (21, 16, 11, and 22°F) from October 25-28. In contrast, record-setting warmth lingered in the **Southeast**, including **Florida**, where **Tampa** tallied a trio of daily-record highs (92°F each day) from October 26-28. Meanwhile in **California**, downtown **Los Angeles** set a record with at least 194 consecutive days, from April 21 – October 31, having high temperatures reaching 70°F or greater (previously, 190 days from April 28 – November 3, 1885). During the mid- to late-week period, cold weather shifted into the **South and East**, while warmth returned across the **Northwest**. In **Arizona**, daily-record lows on October 28 dipped to 30°F in **Safford** and 31°F in **Nogales**. In **Oregon**, however, record-setting highs for October 29 rose to 79°F in **Redmond** and 74°F in **Pendleton**. Elsewhere, October ended with consecutive daily-record lows (22 and 18°F, respectively) in **Plattsburgh, NY**. Other record-setting **Northeastern** lows for October 31 included 13°F in **Houlton, ME**, and 15°F in **Montpelier, VT**. At the height of the cold spell, the temperature in **Rochester, MN**, stayed below 40°F for 10 consecutive days from October 18-27. **Rochester's** previous October record had been 6 such days, from October 22-27, 1887. The 27th featured the lowest maximum temperatures on record during October in locations such as **Abilene, TX** (32°F; previously, 37°F on October 29, 1925), and **Oklahoma City, OK** (32°F; previously, 34°F on October 28 and 29, 1925).

Oklahoma City (and other areas in **central Oklahoma**) also experienced a significant ice storm, with precipitation totaling 4.51 inches from October 26-28. **Amarillo, TX**, received 7.4 inches of snow from October 26-29, with a peak depth of 5 inches on the 29th. Farther east, daily-record rainfall totals for October 28 reached 3.78 inches in **Hattiesburg, MS**; 3.02 inches in **Batesville, AR**; 2.93 inches in **New Orleans, LA**; and 2.87 inches in **Huntsville, AL**. On October 28, peak wind gusts associated with Hurricane Zeta were clocked to 104 mph in **Waveland, MS**; 95 mph in **Gulfport, MS**, and 87 mph in **Belle Chasse, LA**. Elsewhere in **Louisiana**, gusts to 68 mph were noted in **Boothville** and **Slidell**, while **New Orleans** reported 71 mph.



On October 29 in **Georgia**, gusts included 56 mph in **Columbus** and 55 mph in **Rome**. Daily-record rainfall totals for the 29th reached 3.66 inches in **Evansville, IN**; 2.67 inches in **Clarksburg, WV**; and 2.28 inches in **Lynchburg, VA**. Farther north, snow ended early in the week, capping an exceptionally stormy period across the **northern and central Plains and upper Midwest**. Still, October 25 featured daily-record snowfall amounts in **Cheyenne, WY** (14.0 inches); **Pueblo, CO** (7.8 inches); **Sioux City, IA** (4.2 inches); and **Norfolk, NE** (3.7 inches). With a 4.1-inch snowfall on the 25th, **Grand Junction, CO**, reported its snowiest October day (previously, 3.4 inches on October 24, 1975). Snow lingered in some areas into October 26, when daily-record amounts reached 7.8 inches in **Alamosa, CO**, and 1.3 inches in **Wichita, KS**. From October 16-25, snowfall totaled 28.0 inches in **Great Falls, MT**, and 9.3 inches in **Minneapolis-St. Paul, MN**. Both totals set respective October records (previously, 18.5 inches in 1925 in **Great Falls** and 8.2 inches in 1991 in **Minneapolis**). October snowfall records were also broken in locations such as **Marquette, MI** (22.1 inches); **Timber Lake, SD** (18.4 inches); and **Eau Claire, WI** (8.4 inches). On October 30, snow blanketed parts of the **Northeast**, where **Boston, MA** (4.3 inches), and **Providence, RI** (1.6 inches), reported single-day records for October. Elsewhere, high winds in **southern California** on October 26 fanned the newly sparked Silverado and Blue Ridge Fires; collectively, those wildfires consumed more than 26,000 acres of vegetation and were fanned by winds that reached 88 mph in **Fremont Canyon**.

Mostly dry weather and near- or above-normal temperatures across the **Alaskan mainland** contrasted with wet conditions in many southern locations. Some snow fell early in the week, however, across **interior Alaska**, where **Fairbanks** noted record-setting precipitation and snowfall totals (0.37 and 4.0 inches, respectively) for October 26. Later, heavy precipitation fell in **southeastern Alaska**; daily-record amounts for October 31 included 1.79 inches in **Sitka** and 1.63 inches in **Juneau**. During the last 7 days of October, precipitation totaled 4.14 inches in **Juneau**; 6.66 inches in **Sitka**; and 11.56 inches in **Pelican**. Farther south, the passage of a cold front delivered cooler weather and showers to **Hawaii's western islands**, while warmth continued in **Maui and Hawaii Counties**. **Kahului, Maui**, reported 29 days of 90-degree heat during the month, breaking the October record of 21 days set in 1984 and 2019. **Kahului** also achieved a high of 96°F on October 25, tying a monthly record originally set on October 5, 1973, and reported again on October 3, 2020. **Kahului's** October average temperature of 81.6°F (3.4°F above normal) eclipsed the record of 80.8°F set just last year. In contrast, **Lihue, Kauai**, posted consecutive daily-record lows (64 and 65°F, respectively) on October 29-30. Meanwhile, October rainfall totaled 4.82 inches (49 percent of normal) in **Hilo**, on the **Big Island**, and 0.26 inch (22 percent) in **Kahului**.

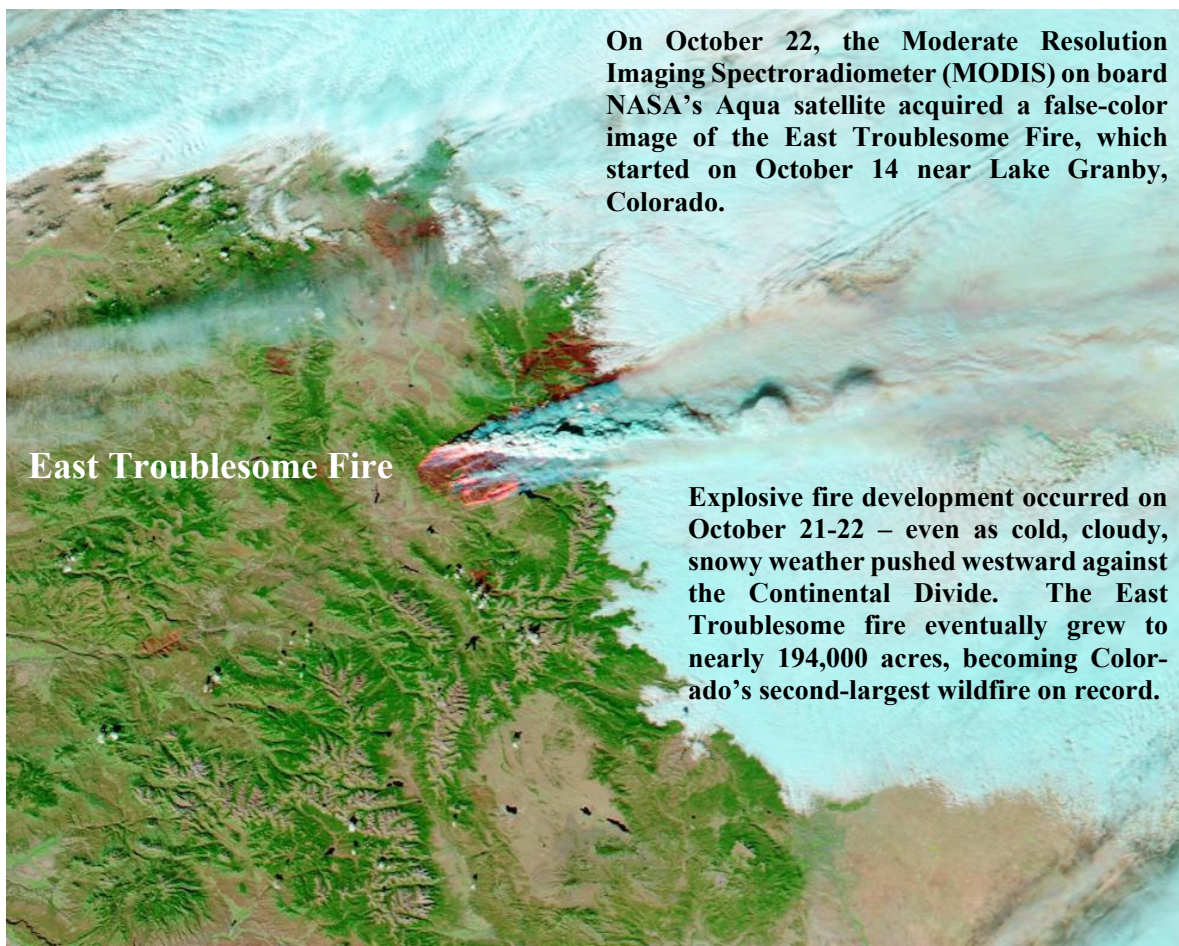


weather.msfc.nasa.gov

28 Oct 2020
20:11 UTC

Category 2 Hurricane Zeta bears down on south-eastern Louisiana, less than an hour before landfall. Zeta was the 27th named storm of the 2020 Atlantic hurricane season—as well as the 11th tropical cyclone and sixth hurricane to make a U.S. landfall. The record for U.S. hurricane landfalls in a single season remains seven in 1887, but the mark for tropical storms (or stronger) crossing the U.S. coastline had been nine in 1916.

GOES East Visible
October 28, 2020
3:11 pm CDT



On October 22, the Moderate Resolution Imaging Spectroradiometer (MODIS) on board NASA's Aqua satellite acquired a false-color image of the East Troublesome Fire, which started on October 14 near Lake Granby, Colorado.

East Troublesome Fire

Explosive fire development occurred on October 21-22 – even as cold, cloudy, snowy weather pushed westward against the Continental Divide. The East Troublesome fire eventually grew to nearly 194,000 acres, becoming Colorado's second-largest wildfire on record.

weather.msfc.nasa.gov

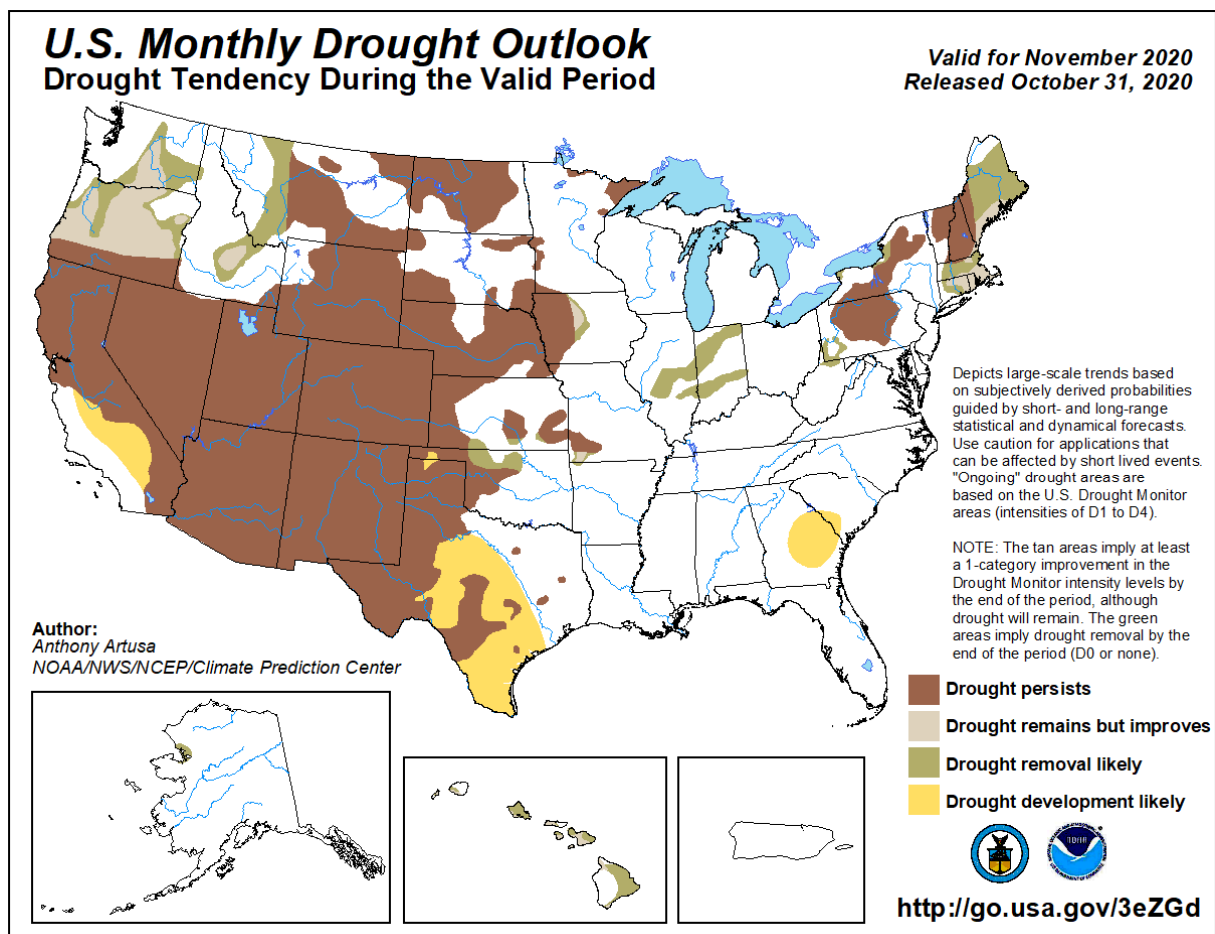
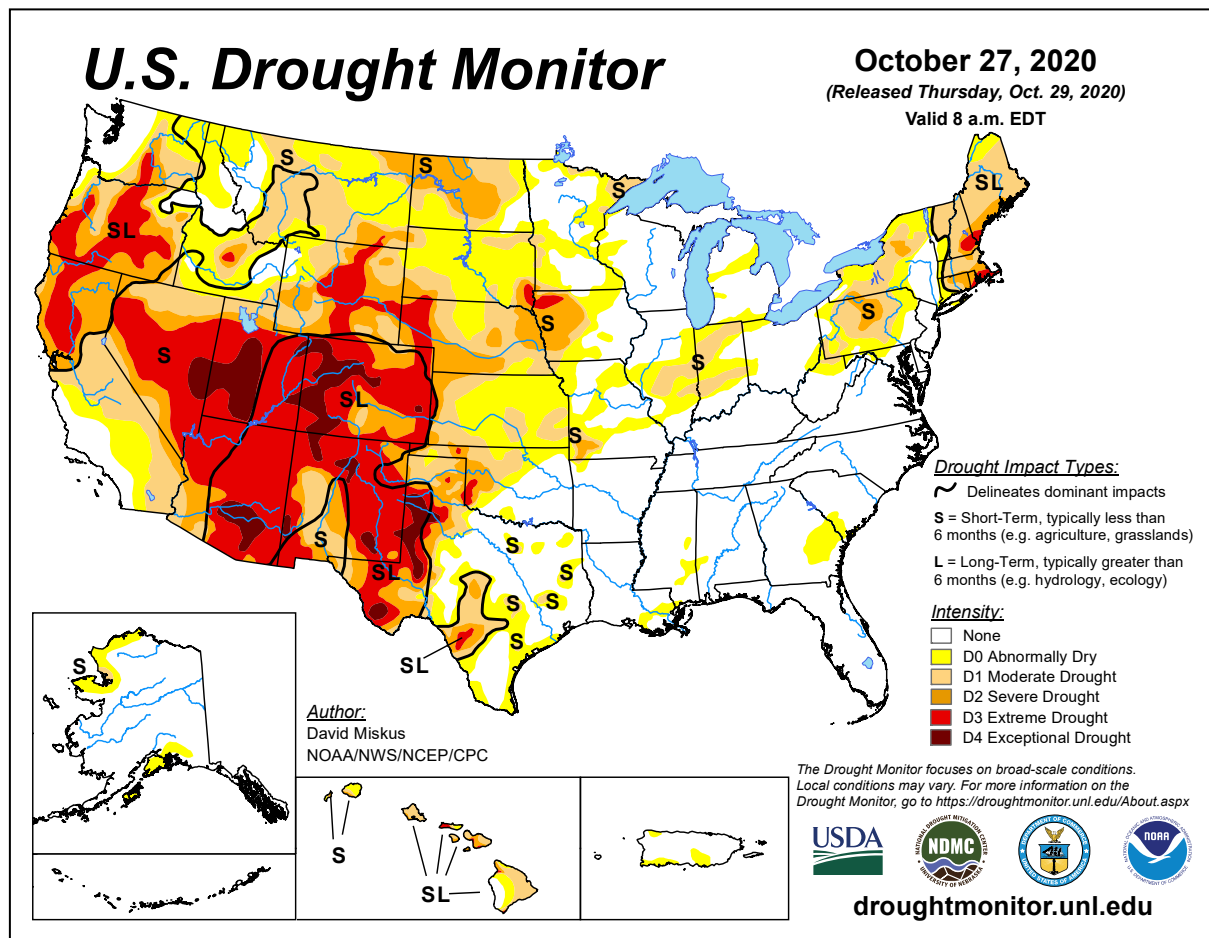
26 Oct 2020
22:56 UTC

The Silverado Fire, near Irvine, California, ignited on the morning of October 26 and quickly burned 12,466 acres of vegetation. More than a dozen structures were damaged or destroyed, while tens of thousands of residents were temporarily evacuated. Peak winds gusts in southern California on the 26th were clocked to 88 mph in Fremont Canyon; 79 mph at Chilao Campground; and 70 mph in Ontario.



Silverado Fire

GOES West Visible
October 26, 2020
2:56 pm PDT



National Weather Data for Selected Cities

Weather Data for the Week Ending October 31, 2020

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	
AK	ANCHORAGE	32	24	42	13	28	-1	1.06	0.74	0.53	3.42	68	15.04	104	90	69	0	5	3	2	
	BARROW	27	11	31	0	19	9	0.25	0.17	0.07	1.21	102	4.49	101	87	69	0	7	5	0	
	FAIRBANKS	25	14	38	0	20	6	0.46	0.30	0.39	2.02	102	11.46	118	89	75	0	7	3	0	
	JUNEAU	45	36	52	27	40	2	4.19	2.50	1.74	11.77	68	58.59	116	94	73	0	3	7	2	
	KODIAK	45	33	52	26	39	2	1.13	-0.64	1.12	17.15	109	40.86	65	81	52	0	5	2	1	
AL	NOME	32	19	40	6	25	2	0.14	-0.17	0.12	4.58	112	14.88	101	88	66	0	6	3	0	
	BIRMINGHAM	74	56	78	43	65	5	2.16	1.37	1.10	6.58	89	67.07	150	89	61	0	0	2	2	
	HUNTSVILLE	70	53	75	40	62	3	3.48	2.60	2.89	10.11	139	64.63	148	95	65	0	0	2	2	
	MOBILE	75	58	81	44	66	1	2.16	1.28	1.80	9.44	107	52.45	93	98	63	0	0	2	1	
	MONTGOMERY	78	60	85	45	69	7	0.00	-0.68	0.00	7.85	114	59.07	135	94	58	0	0	0	0	
AR	FORT SMITH	56	42	67	36	49	-10	6.68	5.67	4.46	14.26	169	56.15	148	98	70	0	0	4	3	
	LITTLE ROCK	55	43	64	37	49	-10	0.77	-0.38	0.67	5.58	69	50.82	128	96	72	0	0	4	1	
AZ	FLAGSTAFF	56	23	65	16	40	-3	0.06	-0.31	0.04	0.06	1	8.69	47	70	25	0	6	2	0	
	PHOENIX	79	56	88	48	68	-4	0.00	-0.13	0.00	0.00	0	4.64	69	42	16	0	0	0	0	
CA	PRESCOTT	65	33	75	22	49	-3	0.00	-0.21	0.00	0.03	1	6.49	53	54	19	0	3	0	0	
	TUCSON	77	47	90	32	62	-5	0.00	-0.16	0.00	0.00	0	3.85	37	44	12	1	1	0	0	
	BAKERSFIELD	76	36	81	1	56	-7	0.00	-0.11	0.00	0.00	0	4.76	96	60	21	0	2	0	0	
	EUREKA	59	38	66	34	49	-5	0.00	-0.78	0.00	1.28	45	18.63	69	91	56	0	0	0	0	
	FRESNO	75	48	80	45	62	0	0.00	-0.23	0.00	0.00	0	4.66	52	62	21	0	0	0	0	
CO	LOS ANGELES	73	56	75	52	64	0	0.00	-0.20	0.00	0.00	0	7.37	75	81	30	0	0	0	0	
	REDDING	79	44	87	39	62	3	0.00	-0.72	0.00	0.00	0	14.17	59	55	12	0	0	0	0	
	SACRAMENTO	76	45	80	41	60	1	0.00	-0.32	0.00	0.00	0	4.75	35	72	16	0	0	0	0	
	SAN DIEGO	75	56	77	51	66	1	0.14	-0.04	0.12	0.14	18	7.15	90	80	28	0	0	2	0	
	SAN FRANCISCO	72	52	77	47	62	3	0.00	-0.35	0.00	0.00	0	4.30	29	73	28	0	0	0	0	
CT	STOCKTON	76	44	81	41	60	1	0.00	-0.29	0.00	0.00	0	4.14	40	68	17	0	0	0	0	
	ALAMOSA	46	15	60	1	30	-8	1.02	0.88	0.81	1.03	72	3.96	60	96	51	0	7	2	1	
	CO SPRINGS	47	20	70	1	34	-12	0.25	0.09	0.18	0.61	29	9.31	58	72	39	0	5	2	0	
	DENVER INTL	48	21	70	4	35	-12	0.27	0.08	0.17	1.25	61	7.93	58	77	38	0	6	2	0	
	GRAND JUNCTION	50	23	63	11	37	-11	0.61	0.38	0.61	1.81	79	4.88	59	81	40	0	6	1	1	
DC	PUEBLO	49	17	76	-8	33	-14	0.68	0.54	0.40	1.43	95	5.36	45	90	48	0	6	2	0	
	BRIDGEPORT	55	43	63	31	49	-2	2.03	1.25	1.30	7.92	112	34.74	97	91	64	0	2	5	1	
DE	HARTFORD	49	37	57	21	43	-5	2.13	1.25	1.17	8.30	100	29.48	76	93	68	0	2	5	2	
	WASHINGTON	61	50	71	41	56	0	2.69	1.91	1.89	10.19	143	46.59	139	93	69	0	0	3	1	
FL	WILMINGTON	57	47	68	35	52	0	2.37	1.67	2.01	7.76	100	41.27	113	91	68	0	0	4	1	
	DAYTONA BEACH	84	70	90	59	77	6	0.12	-0.56	0.12	11.04	98	39.48	89	100	66	1	0	1	0	
	JACKSONVILLE	83	65	90	54	74	7	0.42	-0.10	0.38	11.52	94	49.82	105	97	64	1	0	2	0	
	KEY WEST	86	79	88	77	83	4	0.46	-0.39	0.31	20.17	173	43.86	124	90	74	0	0	3	0	
	MIAMI	88	77	89	75	83	5	1.70	0.70	0.70	22.97	141	73.57	130	92	64	0	0	4	2	
GA	ORLANDO	87	70	91	61	79	6	0.00	-0.51	0.00	13.43	143	46.86	102	98	55	2	0	0	0	
	PENSACOLA	78	63	85	50	71	5	0.41	-0.76	0.32	9.70	86	53.38	95	93	63	0	0	4	0	
	TALLAHASSEE	81	62	86	50	72	6	0.55	-0.11	0.51	11.34	143	52.93	102	96	62	0	0	2	1	
	TAMPA	89	73	92	63	81	7	0.34	-0.03	0.24	7.41	86	38.65	91	79	47	4	0	2	0	
	WEST PALM BEACH	86	76	89	72	81	5	0.89	-0.14	0.43	20.38	150	60.99	112	93	70	0	0	4	0	
HI	ATHENS	75	57	84	45	66	6	0.97	0.28	0.64	9.43	126	55.08	142	89	60	0	0	4	1	
	ATLANTA	73	58	82	47	65	6	1.04	0.36	0.91	13.96	177	62.22	149	92	62	0	0	4	1	
	AUGUSTA	79	60	87	47	69	9	0.11	-0.47	0.08	6.85	106	51.75	138	90	56	0	0	3	0	
	COLUMBUS	78	60	85	50	69	6	0.74	0.16	0.61	12.03	214	61.01	159	87	54	0	0	2	1	
	MACON	79	58	86	46	69	7	0.50	-0.09	0.33	9.51	149	52.58	137	92	56	0	0	3	0	
IA	SAVANNAH	81	64	87	53	73	8	0.73	0.17	0.73	8.32	100	45.63	107	92	56	0	0	1	1	
	HILO	85	73	87	69	79	4	1.91	-0.68	1.52	13.75	69	88.83	89	88	59	0	0	5	1	
	HONOLULU	85	72	87	71	78	-1	0.02	-0.50	0.02	3.33	130	13.25	115	87	57	0	0	1	0	
	KAHULUI	90	73	95	72	82	4	0.16	-0.19	0.13	0.56	33	11.22	90	81	47	3	0	3	0	
	LIHUE	83	69	84	64	76	-2	0.26	-0.75	0.26	3.91	66	34.24	125	94	64	0	0	1	0	
ID	BURLINGTON	46	32	64	27	39	-12	0.00	-0.67	0.00	5.37	81	24.65	72	88	56	0	4	0	0	
	CEDAR RAPIDS	45	27	65	21	36	-11	0.01	-0.55	0.01	8.15	142	26.84	86	87	51	0	7	1	0	
	DES MOINES	46	28	67	24	37	-11	0.08	-0.50	0.05	8.09	142	28.95	89	84	47	0	6	2	0	
	DUBUQUE	44	28	61	24	36	-10	0.01	-0.60	0.01	11.46	188	33.72	105	83	49	0	7	1	0	
	SIOUX CITY	44	22	65	8	33	-13	0.29	-0.06	0.29	2.83	55	17.41	68	89	50	0	6	1	0	
IL	WATERLOO	47	29	67	23	38	-8	0.00	-0.51	0.00	8.31	163	33.82	107	79	44	0	5	0	0	
	BOISE	59	30	75	17	44	-4	0.00	-0.22	0.00	0.44	32	11.24	125	70	23	0	4	0	0	
	LEWISTON	51	29	65	21	40	-7	0.00	-0.26	0.00	1.22	73	12.34	119	84	43	0	4	0	0	
	POCATELLO	51	16	69	3	34	-9	0.00	-0.21	0.00	0.72	40	9.21	93	73	26	0	7	0	0	
	CHICAGO/O_HARE	47	33	59	30	40	-9	0.09	-0.64	0.06	6.85	108	33.98	108	82	52	0	3	2	0	
IN	MOLINE	47	31	65	27	39	-10	0.05	-0.63	0.05	8.61	143	28.83	86	82	51	0	5	1	0	
	PEORIA	48	34	62	30	41	-9	0.03	-0.65	0.03	7.76	130	37.31	121	82	55	0	2	1	0	
	ROCKFORD	46	31	61	26	38	-9	0.02	-0.59	0.02	8.86	147	30.78	97	77	48	0	4	1	0	
	SPRINGFIELD	50	34	63	25	42	-9	0.22	-0.49	0.10	3.56	59	34.57	109	95	65	0	1	4	0	
	EVANSVILLE	55	43	62	34	49	-5	5.15	4.39	3.70	9.33	148	55.59	149	89	64	0	0	5	2	
KS	FORT WAYNE	49	38	55	29	44	-5	0.39	-0.22												

Weather Data for the Week Ending October 31, 2020

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	90 AND ABOVE	32 AND BELOW	PRECIP			
																			.01 INCH OR MORE	.50 INCH OR MORE		
KY	WICHITA	47	31	68	24	39	-15	2.01	1.50	1.20	3.69	62	25.91	86	90	60	0	5	4	1		
	LEXINGTON	57	43	64	32	50	-3	1.48	0.74	0.75	8.69	144	43.08	114	93	74	0	1	3	2		
	LOUISVILLE	57	46	63	38	52	-4	2.66	1.95	2.05	8.38	134	48.20	128	91	68	0	0	4	2		
	PADUCAH	57	43	66	35	50	-5	3.77	2.93	1.96	13.99	181	53.89	134	95	69	0	0	5	2		
LA	BATON ROUGE	76	55	85	44	66	-4	0.40	-0.57	0.40	11.71	116	59.69	115	94	56	0	0	1	0		
	LAKE CHARLES	74	52	83	45	63	-4	0.31	-0.89	0.18	3.26	32	39.46	82	98	60	0	0	2	0		
	NEW ORLEANS	76	62	83	52	69	1	2.95	2.13	2.93	6.51	76	61.77	117	88	61	0	0	2	1		
	SHREVEPORT	64	48	71	39	56	-7	0.67	-0.50	0.65	5.82	71	51.58	122	88	59	0	0	3	1		
MA	BOSTON	49	40	54	28	44	-6	1.48	0.60	0.93	6.01	82	27.99	78	90	65	0	2	4	1		
	WORCESTER	46	34	52	21	40	-6	2.06	1.06	1.13	8.36	96	34.25	85	90	68	0	2	5	2		
MD	BALTIMORE	60	48	71	37	54	2	2.56	1.81	2.23	9.00	122	47.18	134	92	66	0	0	3	1		
ME	CARIBOU	38	25	43	17	31	-7	0.49	-0.31	0.47	8.39	123	28.19	89	83	51	0	7	2	0		
	PORTLAND	46	32	55	21	39	-6	0.59	-0.54	0.32	4.76	55	30.44	79	93	51	0	2	3	0		
MI	ALPENA	44	27	49	17	35	-7	0.28	-0.26	0.13	6.03	109	31.62	130	93	58	0	6	3	0		
	GRAND RAPIDS	46	33	53	25	39	-8	0.15	-0.59	0.09	5.88	77	31.74	98	92	60	0	2	4	0		
	HOUGHTON LAKE	42	28	50	18	35	-6	0.02	-0.52	0.01	4.69	83	22.70	96	90	59	0	7	2	0		
	LANSING	45	33	53	25	39	-7	0.12	-0.44	0.12	7.26	121	32.62	120	84	57	0	2	1	0		
MN	MUSKEGON	48	35	58	29	41	-5	0.17	-0.55	0.13	6.54	93	32.15	117	75	49	0	3	2	0		
	TRAVERSE CITY	46	32	54	26	39	-5	0.15	-0.57	0.06	9.07	135	31.40	113	85	55	0	3	5	0		
	DULUTH	34	21	46	13	28	-11	0.03	-0.50	0.03	3.70	53	18.40	66	78	54	0	7	1	0		
	INT_L FALLS	34	18	43	10	26	-10	0.30	-0.10	0.26	4.63	92	20.28	92	86	53	0	7	4	0		
MO	MINNEAPOLIS	40	26	55	16	33	-10	0.05	-0.37	0.05	3.37	61	27.85	100	80	49	0	7	1	0		
	ROCHESTER	40	23	56	11	31	0	0.13	-0.30	0.13	3.77	66	28.31	94	88	58	0	7	1	0		
	ST. CLOUD	39	23	53	11	31	-10	0.03	-0.39	0.03	4.17	70	23.02	90	83	52	0	7	1	0		
	COLUMBIA	49	35	68	30	42	-10	0.92	0.26	0.47	6.58	92	44.68	121	91	65	0	3	4	0		
MS	KANSAS CITY	49	33	68	28	41	-12	0.19	-0.41	0.12	2.41	31	31.45	89	86	55	0	5	3	0		
	SAINT LOUIS	51	38	65	33	45	-10	1.50	0.76	0.62	4.63	72	45.13	132	86	64	0	0	4	1		
	SPRINGFIELD	51	34	67	28	43	-11	3.66	2.85	1.63	5.92	72	45.91	120	96	71	0	4	4	4		
	JACKSON	72	54	82	41	63	2	2.45	1.55	1.93	9.46	136	65.74	148	94	62	0	0	3	1		
MT	MERIDIAN	73	56	81	43	65	5	4.50	3.62	3.53	9.08	127	63.33	137	93	53	0	0	2	2		
	TUPELO	69	52	78	41	61	1	2.68	1.78	1.91	9.90	130	64.15	145	93	69	0	0	3	2		
	BILLINGS	43	24	68	5	34	-10	0.00	-0.21	0.00	2.86	114	12.57	99	71	41	0	3	0	0		
	BUTTE	43	10	65	-18	27	-10	0.00	-0.15	0.00	1.26	68	9.33	79	85	42	0	7	0	0		
NC	CUT BANK	44	22	63	-10	33	-6	0.00	-0.08	0.00	1.09	63	6.68	63	81	45	0	5	0	0		
	GLASGOW	44	20	65	-2	32	-7	0.00	-0.11	0.00	2.03	116	10.82	98	84	50	0	6	0	0		
	GREAT FALLS	45	25	68	0	35	-6	0.00	-0.15	0.00	2.54	110	13.56	99	76	45	0	4	0	0		
	HAVRE	44	21	70	-3	32	-7	0.00	-0.11	0.00	2.44	142	8.76	83	85	52	0	5	0	0		
ND	MISSOULA	37	12	53	-7	25	-16	0.03	-0.19	0.03	3.39	162	13.36	109	96	57	0	7	1	0		
	ASHEVILLE	69	51	82	35	60	7	3.56	2.93	1.69	14.61	217	57.68	150	96	61	0	0	4	2		
	CHARLOTTE	72	53	83	41	63	6	2.23	1.56	1.48	11.18	169	47.44	135	92	63	0	0	3	1		
	GREENSBORO	68	50	82	43	59	3	2.53	1.81	1.59	9.75	133	52.99	147	95	71	0	0	3	2		
NE	HATTERAS	74	61	80	57	67	5	0.06	-1.11	0.06	12.01	103	59.81	122	95	70	0	0	1	0		
	RALEIGH	72	53	82	44	63	5	0.48	-0.22	0.29	7.86	103	44.93	121	97	67	0	0	5	0		
	WILMINGTON	78	58	83	50	68	7	1.39	0.76	1.39	14.26	121	63.35	125	94	56	0	0	1	1		
	BISMARCK	40	20	50	8	30	-9	0.05	-0.20	0.05	1.35	47	8.20	49	88	59	0	6	1	0		
NY	DICKINSON	42	17	57	-1	30	-9	0.00	-0.23	0.00	1.28	46	7.85	51	87	53	0	7	0	0		
	FARGO	36	20	47	11	28	-12	0.02	-0.34	0.01	1.95	41	18.51	89	89	64	0	7	2	0		
	GRAND FORKS	38	21	45	15	30	-7	0.03	-0.34	0.02	0.67	16	14.11	73	83	49	0	7	2	0		
	JAMESTOWN	38	22	48	12	30	-8	0.08	-0.20	0.08	0.51	14	10.94	61	83	55	0	6	1	0		
OH	GRAND ISLAND	51	26	69	18	38	-9	0.05	-0.29	0.02	0.26	6	19.22	77	79	37	0	5	2	0		
	LINCOLN	50	25	69	16	37	-11	0.13	-0.24	0.08	2.02	40	20.86	78	81	41	0	6	2	0		
	NORFOLK	46	23	65	14	35	-11	0.23	-0.12	0.23	2.22	46	16.47	65	80	43	0	6	1	0		
	NORTH PLATTE	52	19	72	5	35	-9	0.12	-0.16	0.12	1.00	33	14.01	72	86	40	0	7	1	0		
OH	OMAHA	48	27	68	20	38	-11	0.13	-0.30	0.09	2.68	55	14.76	52	84	43	0	6	2	0		
	SCOTTSBLUFF	44	13	69	-10	28	-16	0.24	0.03	0.24	1.10	47	8.21	56	92	50	0	7	1	0		
	VALENTINE	48	15	71	-4	32	-12	0.21	-0.02	0.21	1.41	48	15.88	84	83	42	0	7	1	0		
	CONCORD	46	30	52	16	38	-6	1.10	0.20	0.59	5.29	71	23.87	71	95	54	0	3	4	1		
NJ	ATLANTIC_CITY	61	48	71	29	55	2	3.27	2.48	2.52	10.46	159	43.13	124	96	72	0	1	4	2		
	NEWARK	54	44	61	32	49	-3	2.55	1.76	1.63	8.78	118	39.65	102	95	64	0	1	5	2		
NM	ALBUQUERQUE	55	30	73	19	43	-10	0.27	0.11	0.17	0.93	43	5.74	67	83	39	0	4	3	0		
NV	ELY	57	15	68	8	37	-5	0.00	-0.24	0.00	0.04	2	4.30	49	60	16	0	7	0	0		
	LAS VEGAS	74	49	81	42	62	-3	0.00	-0.09	0.00	0.00	0	2.35	65	26	9	0	0	0	0		
NY	RENO	65	30	76	24	48	-2	0.00	-0.13	0.00	0.00	0	1.92	33	53	11	0	6	0	0		
	WINNEMUCCA	62	17	74	4	39	-4	0.00	-0.17	0.00	0.22	19	4.83	72	53	13	0	7	0	0		
	ALBANY	45	31	49	19	38	-8	1.69	0.89	1.07	5.63	81	29.23	88	99	78	0	3	5	1		
	BINGHAMTON	45	35	53	29	40	-5	2.55	1.81	1.54	6.38	92	41.41	125	97	71	0	3	6	1		
OH	BUFFALO	47	37	52	28	42	-5	0.27	-0.50	0.17	7.16	96	32.14	99	89	65	0	1	4	0		
	ROCHESTER	47	37	51	28	42	-5	0.31	-0.30	0.10	5.17	85	26.94									

Weather Data for the Week Ending October 31, 2020

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	
OK	TOLEDO	50	37	55	27	44	-5	0.22	-0.34	0.11	4.23	79	26.19	91	84	52	0	2	3	0	
	YOUNGSTOWN	49	39	52	29	44	-4	2.14	1.53	1.57	11.45	176	42.83	131	89	66	0	2	5	1	
	OKLAHOMA CITY	49	32	71	27	41	-18	3.71	2.93	1.63	6.27	80	31.52	96	96	65	0	4	5	3	
OR	TULSA	52	37	68	33	45	-14	4.77	3.91	2.19	9.55	116	41.01	115	96	67	0	0	4	4	
	ASTORIA	57	39	62	33	48	-3	0.24	-1.58	0.24	7.56	93	47.42	102	94	58	0	0	1	0	
	BURNS	60	15	70	4	38	-3	0.00	-0.23	0.00	0.37	29	6.11	72	80	19	0	7	0	0	
PA	EUGENE	56	31	63	25	44	-6	0.00	-1.11	0.00	4.24	93	21.91	71	91	54	0	4	0	0	
	MEDFORD	73	37	79	31	55	4	0.00	-0.40	0.00	0.22	12	9.39	78	65	18	0	1	0	0	
	PENDLETON	56	31	73	19	44	-4	0.00	-0.30	0.00	1.20	75	10.11	103	82	38	0	3	0	0	
	PORTLAND	58	38	64	29	48	-3	0.08	-0.85	0.08	3.68	82	22.85	91	87	49	0	2	1	0	
	SALEM	58	34	65	28	46	-4	0.01	-0.97	0.01	3.09	71	22.28	84	87	45	0	3	1	0	
	ALLENTOWN	52	40	57	26	46	-2	2.38	1.63	1.32	7.47	87	36.32	95	93	70	0	2	6	2	
	ERIE	50	43	54	38	46	-3	1.06	0.22	0.35	9.66	111	34.36	100	83	60	0	0	5	0	
	MIDDLETOWN	54	46	61	35	50	-1	1.68	1.04	1.14	4.87	66	30.87	90	91	67	0	0	5	1	
	PHILADELPHIA	58	47	67	34	52	-1	2.12	1.44	1.61	8.42	121	41.15	118	93	65	0	0	3	1	
	PITTSBURGH	51	40	55	27	45	-4	1.58	1.02	1.15	4.31	79	32.13	100	95	71	0	2	5	1	
RI	WILKES-BARRE	53	40	60	28	46	-1	2.72	2.03	1.75	6.54	88	44.80	138	92	64	0	2	5	1	
	WILLIAMSPORT	51	41	55	35	46	-2	1.98	1.24	1.37	4.46	58	30.42	88	91	64	0	0	5	1	
	PROVIDENCE	52	40	60	24	46	-4	2.07	1.15	1.33	7.04	89	30.99	80	95	67	0	2	3	2	
SC	CHARLESTON	79	61	84	51	70	6	0.38	-0.26	0.22	9.37	95	48.77	107	92	56	0	0	2	0	
	COLUMBIA	77	57	86	47	67	7	0.19	-0.42	0.17	5.57	83	48.02	124	87	56	0	0	2	0	
	FLORENCE	75	55	83	46	65	5	0.68	0.12	0.68	8.44	125	51.83	139	91	58	0	0	1	1	
SD	GREENVILLE	71	53	82	38	62	3	2.07	1.35	0.99	11.11	162	64.11	163	98	66	0	0	4	2	
	ABERDEEN	38	15	53	-3	26	-13	0.04	-0.29	0.04	2.85	68	14.96	73	88	60	0	7	1	0	
	HURON	41	17	59	4	29	-14	0.09	-0.23	0.09	1.61	37	16.35	76	92	55	0	7	1	0	
TN	RAPID CITY	44	18	69	-5	31	-12	0.02	-0.22	0.02	2.13	78	12.48	81	84	47	0	7	1	0	
	SIOUX FALLS	42	21	62	13	31	-11	0.17	-0.20	0.17	1.31	26	15.76	65	85	54	0	7	1	0	
	BRISTOL	71	50	78	32	60	8	1.88	1.35	1.14	8.46	166	50.67	147	97	56	0	1	3	2	
TX	CHATTANOOGA	73	58	81	43	65	8	3.33	2.56	1.70	12.50	170	60.50	141	90	57	0	0	2	2	
	KNOXVILLE	70	53	80	38	62	6	1.97	1.34	1.03	10.18	177	61.27	155	97	63	0	0	2	2	
	MEMPHIS	62	47	71	39	55	-5	2.88	1.91	2.68	6.34	90	47.51	112	94	70	0	0	2	1	
	NASHVILLE	65	50	73	39	57	1	0.86	0.14	0.76	7.26	113	46.81	121	90	64	0	0	3	1	
	ABILENE	59	36	80	29	47	-15	0.82	0.23	0.57	1.44	27	17.93	81	93	54	0	3	4	1	
	AMARILLO	47	28	77	18	38	-17	2.45	2.17	1.26	2.91	81	13.06	69	91	65	0	4	4	2	
	AUSTIN	69	43	86	39	56	-12	0.36	-0.44	0.18	4.89	71	28.44	98	87	49	0	0	3	0	
	BEAUMONT	74	53	83	43	64	-4	0.48	-0.72	0.37	9.72	84	47.47	93	98	63	0	0	2	0	
	BROWNSVILLE	82	58	91	47	70	-4	0.02	-0.59	0.02	5.94	61	16.47	67	86	45	2	0	1	0	
	CORPUS CHRISTI	75	50	86	43	63	-9	0.00	-0.72	0.00	5.56	64	21.31	76	92	51	0	0	0	0	
UT	DEL RIO	73	45	90	39	59	-9	0.19	-0.11	0.14	3.40	77	11.59	65	81	42	1	0	2	0	
	EL PASO	67	40	87	29	54	-7	0.21	0.08	0.13	0.80	37	5.97	69	71	31	0	3	2	0	
	FORT WORTH	57	40	72	36	49	-15	0.84	-0.17	0.46	5.65	83	39.24	127	96	67	0	0	4	0	
	GALVESTON	74	61	83	50	67	-4	0.33	0.00	0.26	6.52	0	33.64	0	84	61	0	0	2	0	
	HOUSTON	71	50	80	42	61	-7	0.13	-1.14	0.11	9.26	94	36.76	88	94	58	0	0	2	0	
	LUBBOCK	53	31	81	22	42	-15	0.33	-0.02	0.16	1.39	31	9.89	56	90	56	0	4	3	0	
	MIDLAND	61	34	89	26	48	-13	0.03	-0.24	0.02	0.87	24	6.99	52	88	45	0	3	2	0	
	SAN ANGELO	64	36	89	30	50	-12	0.51	-0.01	0.41	5.42	104	17.88	92	93	50	0	3	3	0	
	SAN ANTONIO	71	44	85	40	58	-10	0.19	-0.62	0.08	3.17	44	18.39	65	86	45	0	0	4	0	
	VICTORIA	74	46	90	39	60	-9	0.33	-0.61	0.29	4.82	54	24.60	69	93	46	1	0	2	0	
VA	WACO	62	40	73	36	51	-14	0.89	0.08	0.65	9.24	133	40.15	138	92	60	0	0	3	1	
	WICHITA FALLS	54	35	76	30	44	-16	2.09	1.43	0.88	6.06	103	34.40	134	97	65	0	2	4	2	
	SALT LAKE CITY	54	29	68	19	42	-6	0.09	-0.28	0.09	0.50	17	8.15	61	69	29	0	4	1	0	
WA	LYNCHBURG	66	49	79	39	58	5	3.98	3.26	2.71	12.92	185	54.42	156	94	65	0	0	4	2	
	NORFOLK	70	58	84	46	64	6	1.06	0.30	0.73	10.27	125	44.82	111	93	69	0	0	3	1	
	RICHMOND	65	50	77	40	58	2	1.74	1.05	1.15	12.72	178	53.06	143	97	72	0	0	3	1	
	ROANOKE	69	50	80	37	60	5	2.46	1.79	1.98	10.02	147	53.80	154	90	62	0	0	3	1	
	WASH/DULLES	60	47	71	32	53	1	2.24	1.49	1.68	5.94	83	40.76	116	96	65	0	1	3	1	
	BURLINGTON	45	31	52	20	38	-6	0.25	-0.53	0.16	5.87	81	27.91	89	84	52	0	3	3	0	
	OLYMPIA	57	31	63	26	44	-3	0.12	-1.33	0.12	7.47	118	36.30	106	97	50	0	4	1	0	
	QUILLAYUTE	54	41	58	32	47	0	1.39	-1.64	0.79	12.46	87	70.91	102	93	64	0	2	3	1	
	SEATTLE-TACOMA	55	42	59	34	49	-1	0.06	-1.04	0.04	4.67	93	29.36	114	86	54	0	0	2	0	
	SPOKANE	46	26	59	13	36	-7	0.00	-0.39	0.00	2.00	107	11.43	94	81	47	0	5	0	0	
WI	YAKIMA	55	23	67	15	39	-5	0.00	-0.17	0.00	0.30	31	3.11	52	78	29	0	7	0	0	
	EAU CLAIRE	41	23	57	16	32	-11	0.03	-0.37	0.03	3.48	58	25.18	89	82	48	0	7	1	0	
	GREEN BAY	44	28	56	24	36	-7	0.04	-0.49	0.04	6.77	124	30.71	119	80	48	0	7	1	0	
WV	LA CROSSE	45	28	62	22	37	-9	0.14	-0.30	0.14	5.23	91	27.24	91	78	45	0	6	1	0	
	MADISON	44	29	58	27	37	-8	0.02	-0.53	0.02	6.96	126	36.40	120	84	47	0	7	1	0	
	MILWAUKEE	46	31	58	24	39	-8	0.01	-0.60	0.01	3.66	63	32.98	110	77	46	0	4	1	0	
WY	BECKLEY	61	46	70	30	53	3	2.05	1.43	1.58	5.27	95	46.37	131	100	76	0	1	4	1	

National Agricultural Summary

October 26 – November 1, 2020

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Much of the nation's mid-section recorded temperatures 10°F or more below normal. Temperatures averaged 15°F or more below normal in parts of the Plains, Rocky Mountains, and Southwest. In contrast, large parts of the mid-Atlantic and Southeast recorded temperatures 5°F or more above normal. Most of

the western half of the nation remained dry, but Hurricane Zeta—which made landfall in coastal Louisiana—brought high winds and rain to parts of the southern and eastern U.S. as it raced across the Appalachians and mid-Atlantic. Parts of the lower Mississippi Valley and the southern Plains received precipitation totaling 5 inches or more.

Corn: Eighty-two percent of the 2020 acreage had been harvested by week's end, 33 percentage points ahead of last year and 13 points ahead of the 5-year average. Harvest progress advanced 10 percentage points or more during the week in eight of the 18 estimating states.

Soybean: Soybean harvest across the nation was 87 percent complete by week's end, 16 percentage points ahead of last year and 4 points ahead of the 5-year average. Harvest was complete or nearing completion in eight of the 18 estimating states.

Winter Wheat: Nationwide, producers had sown 89 percent of the intended 2021 winter wheat acreage by November 1, one percentage point ahead of last year and 3 points ahead of the 5-year average. Planting was complete or nearing completion in 11 of the 18 estimating states. Nationwide, 71 percent of the winter wheat acreage had emerged by November 1, two percentage points ahead of last year and 1 point ahead of average. Winter wheat emergence advanced by 10 percentage points or more during the week in ten of the 18 estimating States. As of November 1, forty-three percent of the 2021 winter wheat acreage was reported in good to excellent condition, 2 percentage points above the previous week but 14 points below the same time last year.

Cotton: By November 1, fifty-two percent of the nation's cotton acreage had been harvested, 1 percentage point ahead of last year and 3 points ahead of the 5-year average. Cotton harvest advanced 10 percentage points or more during the week in six of the 15 estimating states. As of November 1, thirty-seven percent of the 2020 cotton

acreage was rated in good to excellent condition, 3 percentage points below both the previous week and the same time last year.

Sorghum: Eighty-two percent of the 2020 sorghum acreage was harvested by November 1, eight percentage points ahead of last year and 11 points ahead of the 5-year average. Sorghum harvest advanced 10 percentage points or more during the week in Colorado, Kansas, and Nebraska.

Rice: Nationally, 96 percent of the rice acreage had been harvested by November 1, two percentage points behind last year and 3 points behind the 5-year average. Harvest was complete or nearing completion in all estimating states.

Other Acreages: Sixty-six percent of the nation's peanut acreage was harvested as of November 1, sixteen percentage points behind last year and 10 points behind the 5-year average. Harvest progress was at or behind the 5-year average in all estimating states.

By November 1, sugarbeet producers had harvested 95 percent of the nation's crop, 28 percentage points ahead of last year and 11 points ahead of the 5-year average. Harvest was ahead of the average pace in all estimating states.

By November 1, sixty-one percent of this year's sunflower crop was harvested, 34 percentage points ahead of last year and 7 points ahead of the 5-year average. Harvest progress was ahead of the average pace in three of the four estimating states.

Crop Progress and Condition**Week Ending November 1, 2020**

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

Corn Percent Harvested				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
CO	63	70	84	56
IL	57	80	89	83
IN	54	62	73	74
IA	38	78	87	63
KS	80	85	90	86
KY	95	86	88	93
MI	24	34	53	46
MN	38	72	83	65
MO	69	72	80	87
NE	55	76	86	63
NC	98	95	97	98
ND	9	73	84	48
OH	46	32	41	65
PA	57	48	58	61
SD	23	79	85	53
TN	99	91	94	98
TX	87	89	92	88
WI	19	40	55	44
18 Sts	49	72	82	69
These 18 States harvested 93% of last year's corn acreage.				

Soybeans Percent Harvested				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
AR	81	62	67	85
IL	75	90	93	88
IN	77	82	87	85
IA	76	94	97	86
KS	66	78	83	72
KY	75	51	56	69
LA	99	97	99	98
MI	55	73	79	73
MN	75	98	99	92
MS	92	79	84	93
MO	51	50	60	67
NE	91	97	100	91
NC	43	21	29	41
ND	48	97	100	85
OH	76	73	77	86
SD	75	95	97	90
TN	74	51	58	73
WI	57	85	91	79
18 Sts	71	83	87	83
These 18 States harvested 96% of last year's soybean acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
CO	78	65	78	60
KS	64	64	74	62
NE	50	82	92	65
OK	66	55	60	70
SD	38	87	89	64
TX	99	95	98	86
6 Sts	74	74	82	71
These 6 States harvested 100% of last year's sorghum acreage.				

Peanuts Percent Harvested				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
AL	89	62	76	82
FL	94	76	83	92
GA	87	59	67	80
NC	77	33	49	71
OK	66	50	63	63
SC	85	50	61	65
TX	45	35	51	51
VA	98	39	54	85
8 Sts	82	56	66	76
These 8 States harvested 96% of last year's peanut acreage.				

VP - Very Poor;

P - Poor;

F - Fair;

G - Good;

EX - Excellent

NA - Not Available;

*Revised

Crop Progress and Condition**Week Ending November 1, 2020**

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

Cotton Percent Harvested				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
AL	68	34	40	64
AZ	37	35	42	40
AR	82	67	75	88
CA	42	25	40	50
GA	64	27	39	54
KS	15	11	20	14
LA	89	87	91	94
MS	76	63	77	83
MO	57	31	32	78
NC	56	19	35	52
OK	32	21	28	34
SC	68	9	23	49
TN	65	46	52	69
TX	40	48	58	38
VA	64	19	24	58
15 Sts	51	42	52	49
These 15 States harvested 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	1	8	34	50	7
AZ	0	0	4	50	46
AR	1	3	16	45	35
CA	0	0	50	45	5
GA	3	14	31	44	8
KS	3	10	41	42	4
LA	0	3	56	41	0
MS	1	13	31	40	15
MO	3	10	38	49	0
NC	3	13	34	45	5
OK	1	5	40	47	7
SC	7	8	20	47	18
TN	6	11	20	48	15
TX	9	41	27	17	6
VA	8	28	34	30	0
15 Sts	6	28	29	29	8
Prev Wk	6	25	29	32	8
Prev Yr	5	15	40	33	7

Sugarbeets Percent Harvested				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
ID	84	76	86	79
MI	51	63	82	60
MN	67	99	100	91
ND	63	99	99	91
4 Sts	67	89	95	84
These 4 States harvested 83% of last year's sugarbeet acreage.				

Sunflowers Percent Harvested				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
CO	76	79	90	60
KS	57	59	68	52
ND	21	58	69	54
SD	23	39	50	52
4 Sts	27	50	61	54
These 4 States harvested 86% 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

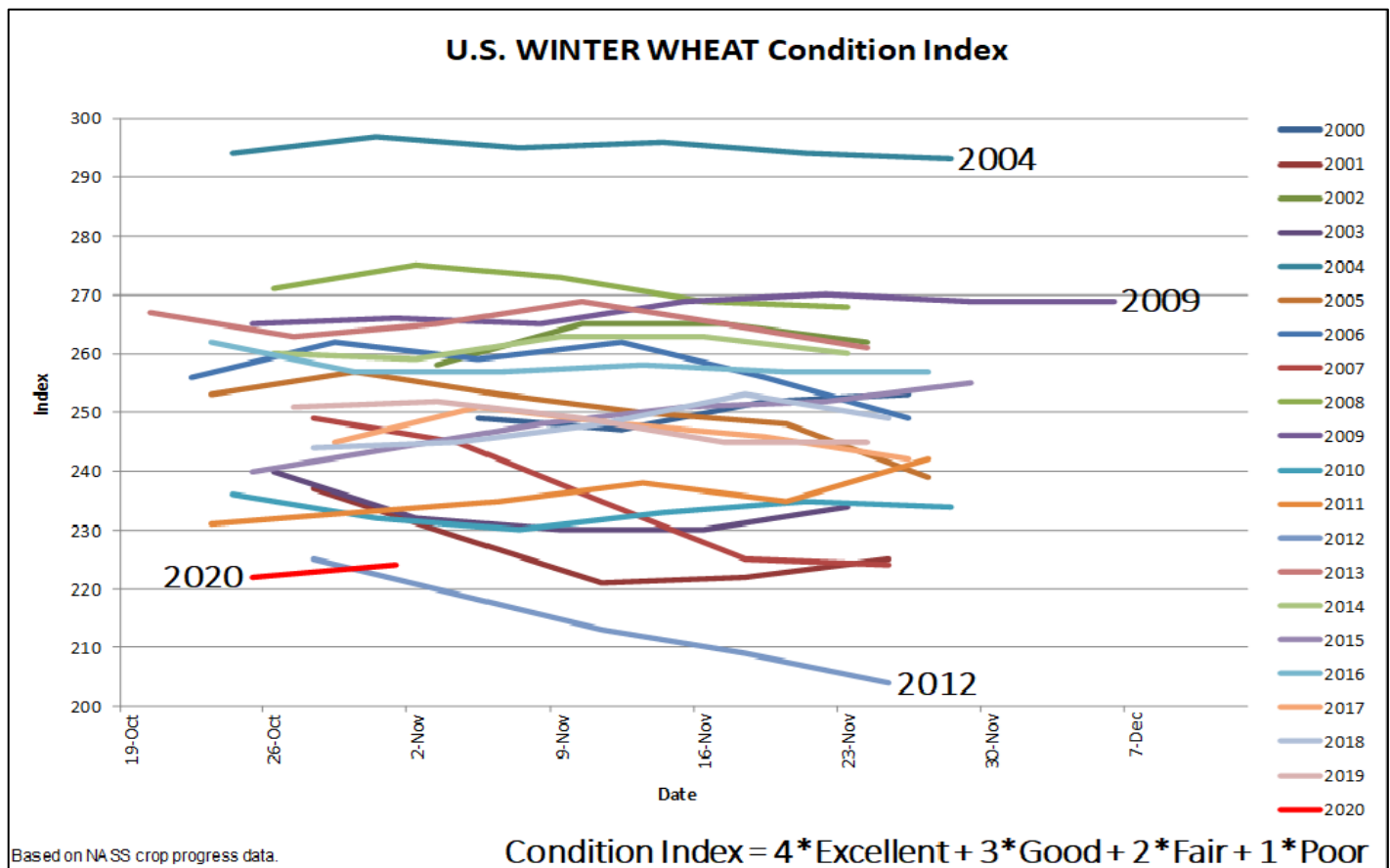
Week Ending November 1, 2020

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

Winter Wheat Percent Planted				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
AR	75	50	59	64
CA	29	25	30	36
CO	99	99	99	98
ID	98	98	99	97
IL	81	89	94	84
IN	84	80	87	86
KS	92	92	95	90
MI	84	91	95	89
MO	52	51	59	63
MT	90	88	94	94
NE	100	98	100	99
NC	29	20	36	35
OH	95	92	95	93
OK	92	82	88	88
OR	94	85	93	90
SD	99	100	100	99
TX	77	71	76	75
WA	95	96	97	95
18 Sts	88	85	89	86
These 18 States planted 91% of last year's winter wheat acreage.				

Winter Wheat Percent Emerged				
	Prev Year	Prev Week	Nov 1 2020	5-Yr Avg
AR	56	33	48	43
CA	12	8	10	14
CO	83	78	89	88
ID	76	61	77	81
IL	56	57	82	63
IN	61	50	67	66
KS	69	70	77	71
MI	63	63	77	70
MO	31	30	42	41
MT	62	65	73	79
NE	96	84	89	94
NC	14	9	19	17
OH	83	65	78	74
OK	81	66	71	76
OR	63	29	33	54
SD	90	80	84	90
TX	55	49	57	59
WA	76	68	78	75
18 Sts	69	62	71	70
These 18 States planted 91% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	1	4	50	36	9
CA	0	0	5	75	20
CO	10	18	47	25	0
ID	1	1	36	47	15
IL	1	7	21	64	7
IN	1	6	32	54	7
KS	6	17	49	25	3
MI	2	5	21	60	12
MO	1	9	44	41	5
MT	3	4	12	69	12
NE	5	17	37	37	4
NC	0	2	14	77	7
OH	1	3	27	58	11
OK	8	10	48	31	3
OR	4	18	37	32	9
SD	3	6	33	53	5
TX	9	19	37	27	8
WA	1	5	36	52	6
18 Sts	6	13	38	37	6
Prev Wk	6	13	40	35	6
Prev Yr	4	9	30	45	12



Crop Progress and Condition

Week Ending November 1, 2020

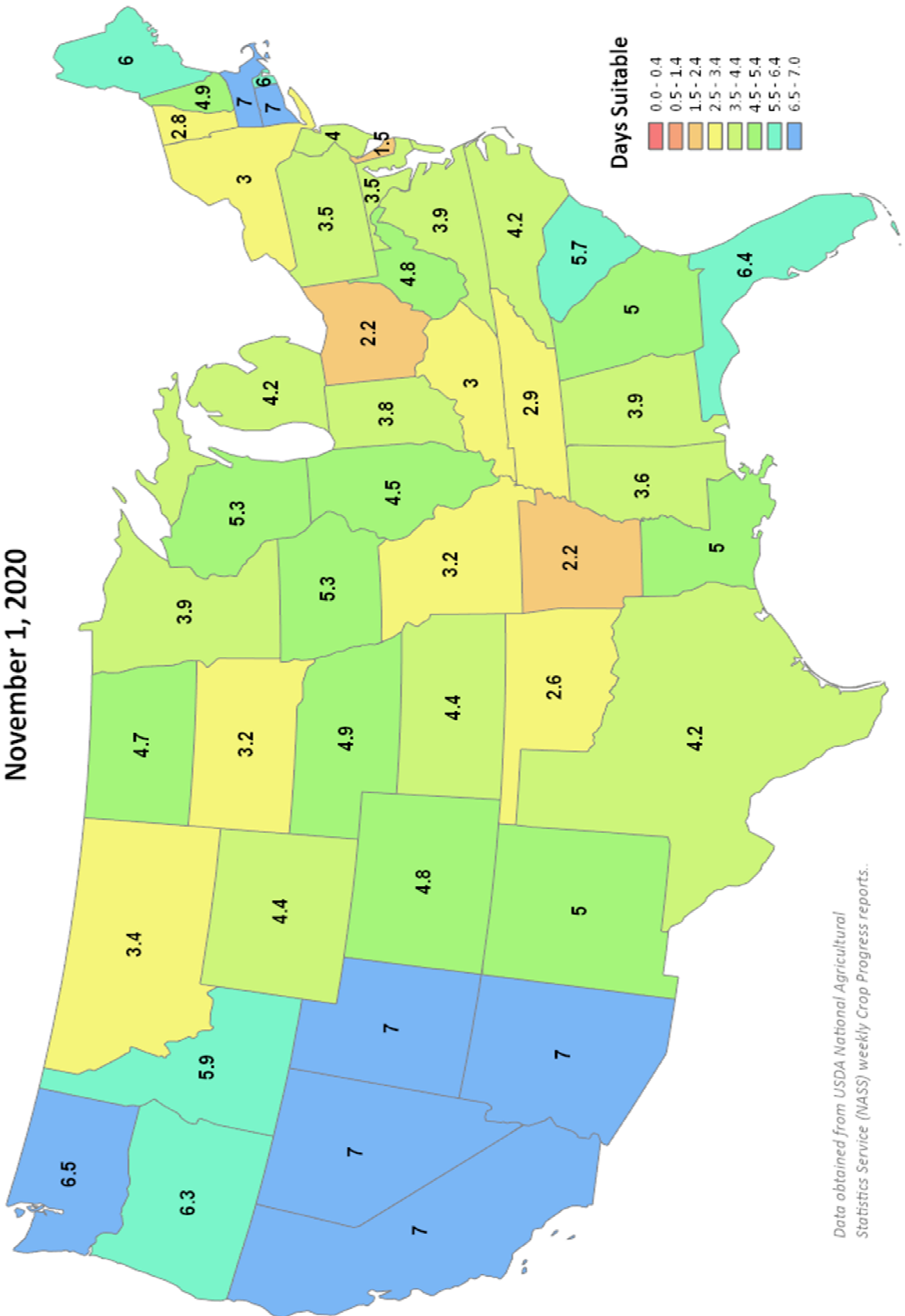
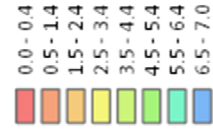
Weekly U.S. Progress and Condition Data provided by USDA/NASS

Days Suitable for Fieldwork

Week Ending

November 1, 2020

Days Suitable

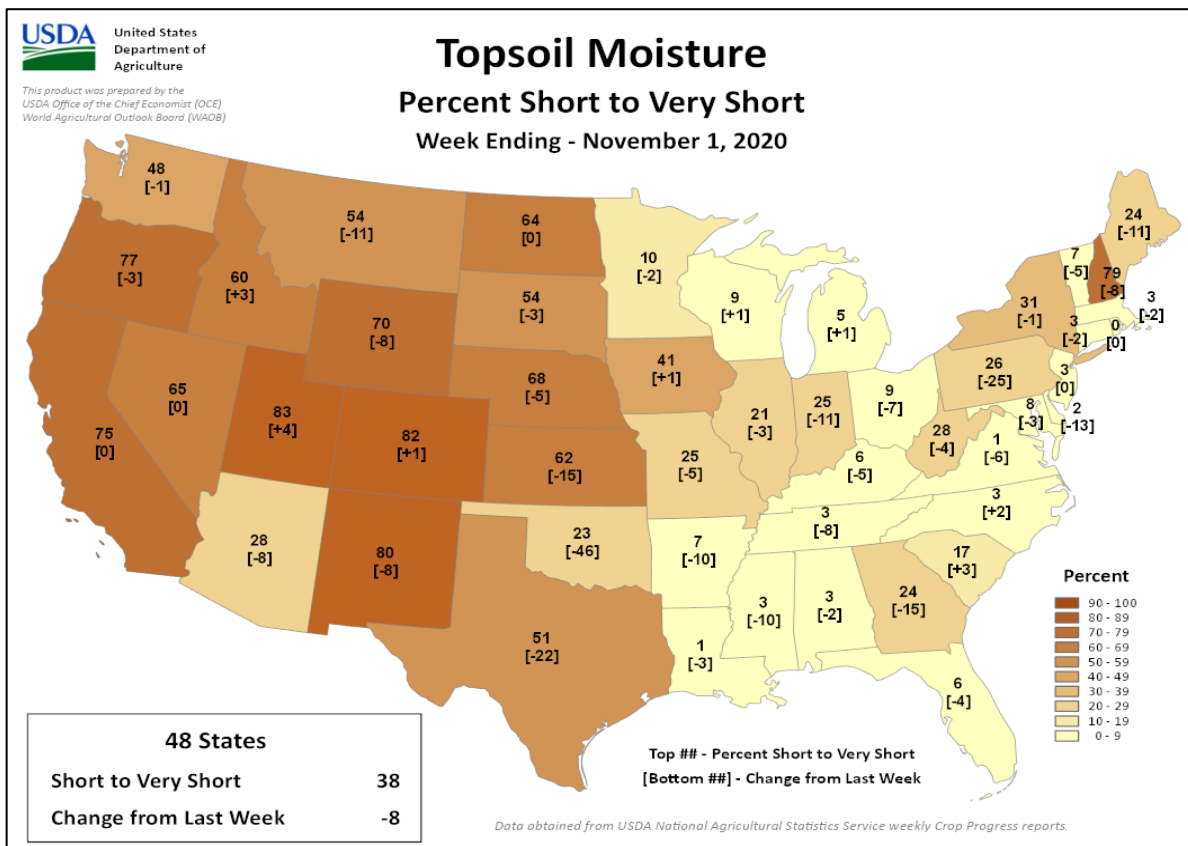
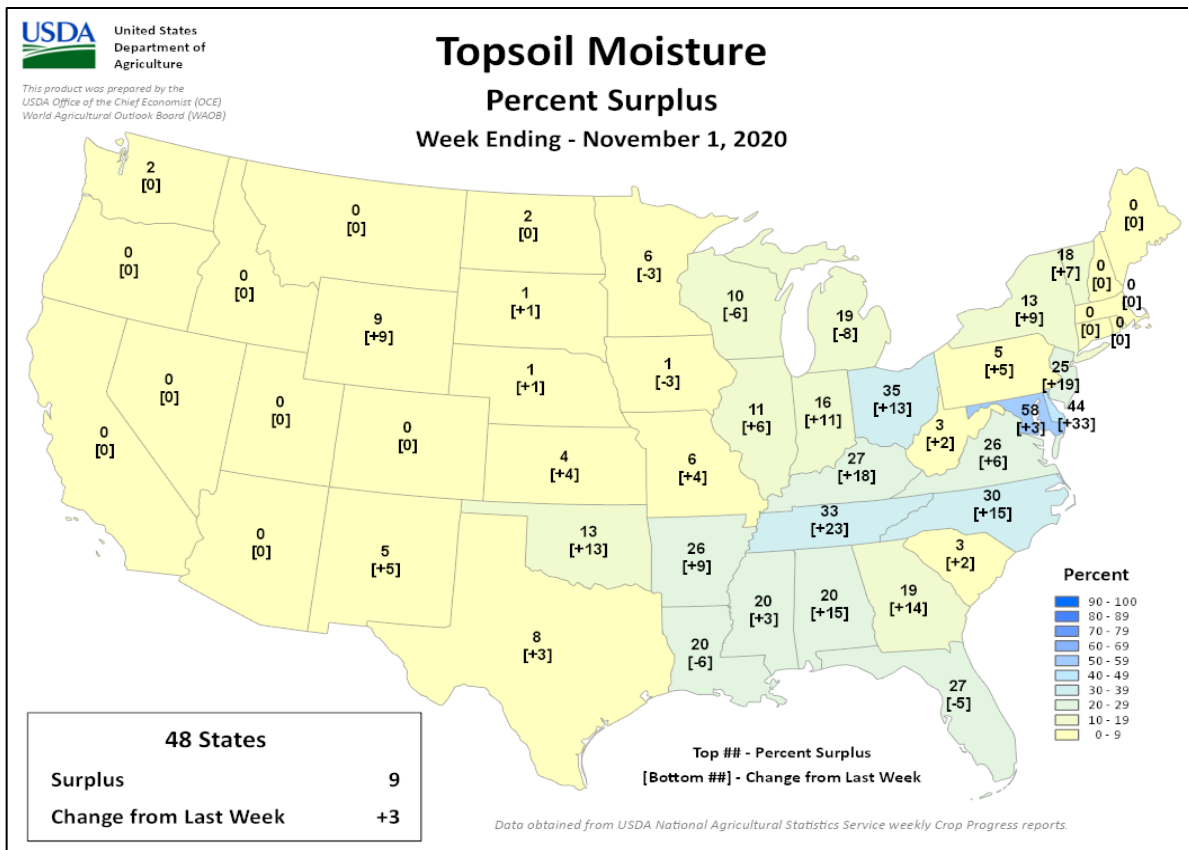


Data obtained from USDA National Agricultural Statistics Service (NASS) weekly Crop Progress reports.

Crop Progress and Condition

Week Ending November 1, 2020

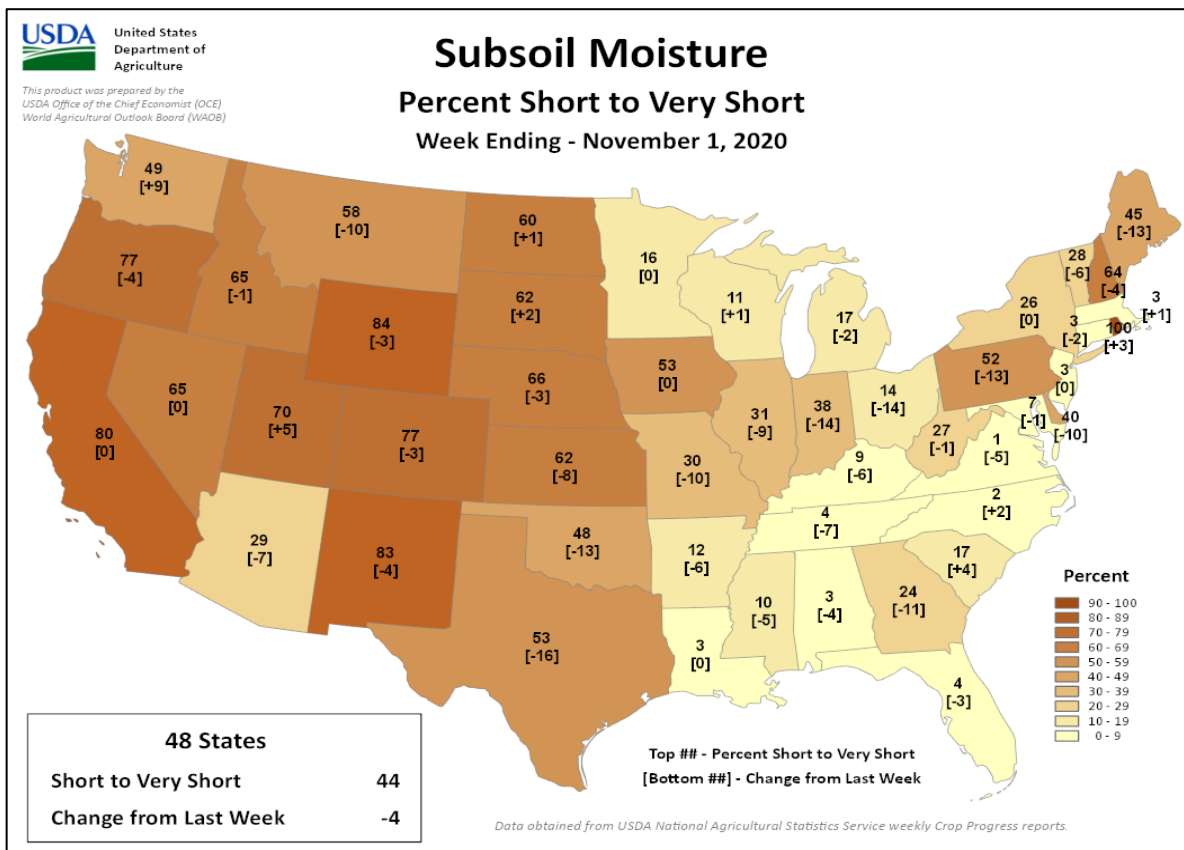
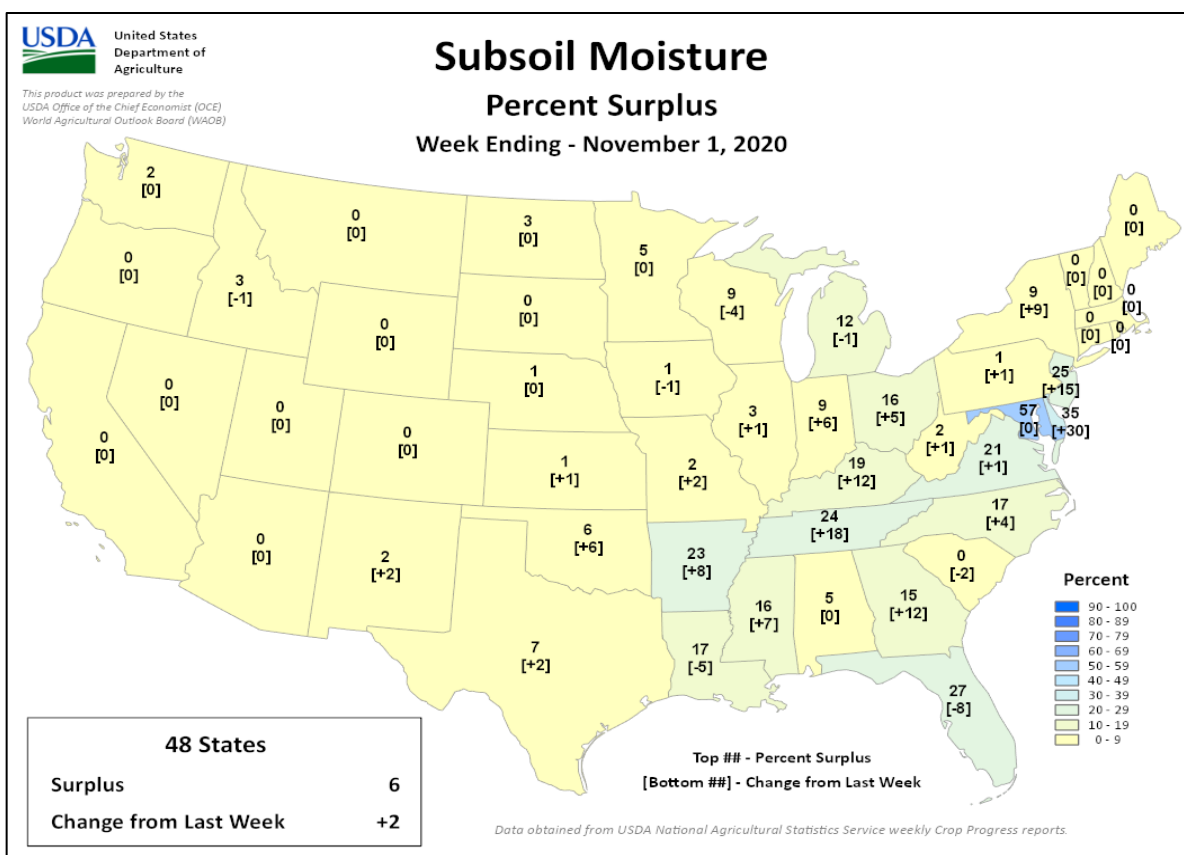
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending November 1, 2020

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



International Weather and Crop Summary

October 25-31, 2020

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

EUROPE: Warm, wet weather was beneficial for winter crops across much of the continent, though additional heavy showers were detrimental for mature cotton in Greece.

WESTERN FSU: Much-needed rain in western Russia eased severe drought, while late-season warmth afforded producers an extended window for winter wheat establishment.

MIDDLE EAST: Beneficial showers in western Turkey contrasted with increasing short-term dryness elsewhere.

SOUTH ASIA: The southwest monsoon fully withdrew from India, promoting harvesting and other fieldwork.

EAST ASIA: Warm weather and light to moderate rainfall in southern China promoted good rapeseed emergence.

SOUTHEAST ASIA: Typhoon Molave brought more heavy rainfall to the Philippines and further inundated portions of central Vietnam.

AUSTRALIA: Rain in the east favored summer crop germination and emergence.

SOUTH AFRICA: Showers helped to condition fields for planting corn and other rain-fed summer crops.

ARGENTINA: Moderate to heavy rain provided much-needed moisture for germination and establishment of summer crops.

BRAZIL: Scattered showers sustained a rapid rate of soybean planting in central production areas.

MEXICO: Tropical showers overspread the southeast, but dry, sunny weather favored corn and other maturing summer crops.

October 2020

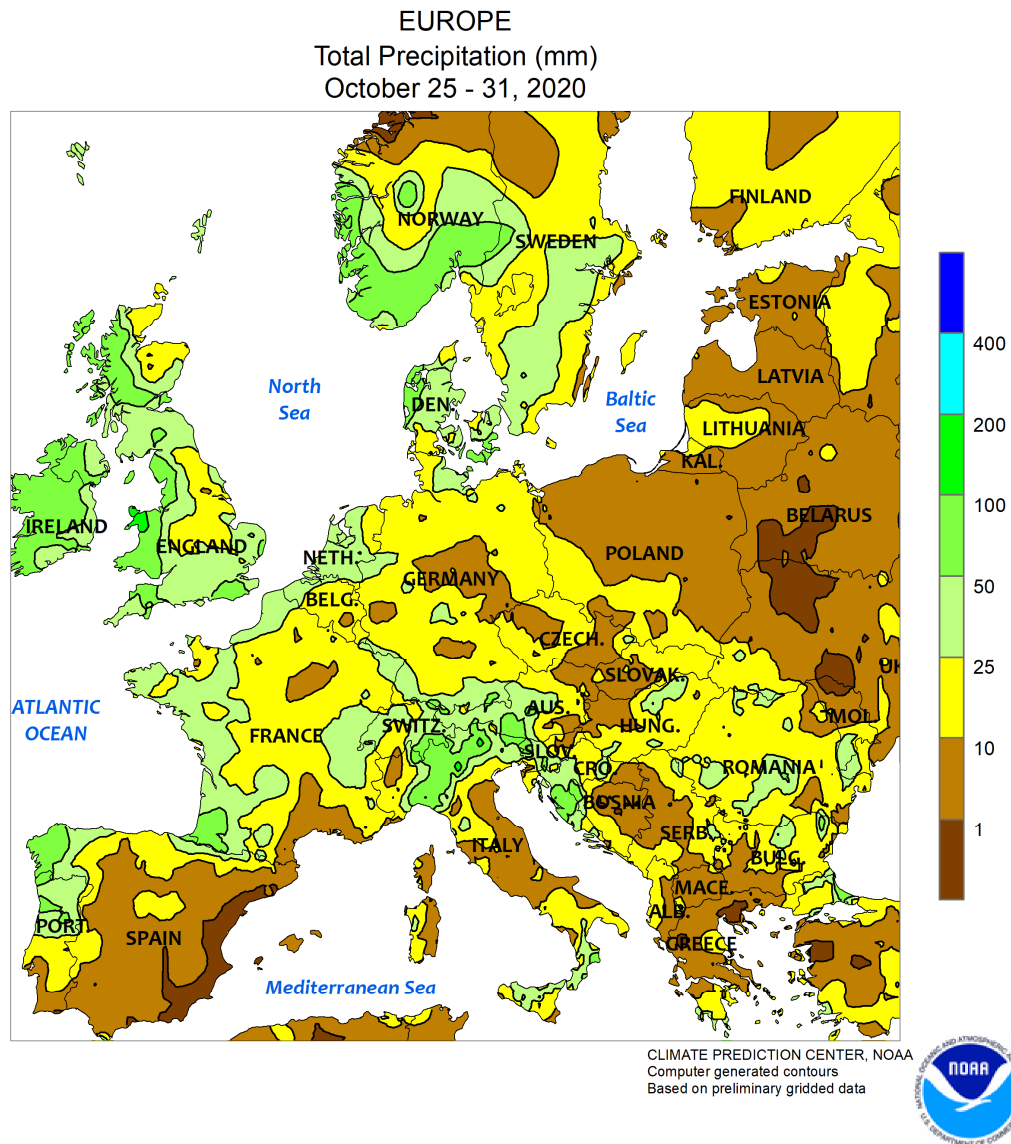
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG DEP	NRM	TOT	DEP NRM
ALGERI	ALGER	26	12	34	8	19	-0.6	41	-13
	BATNA	24	6	31	2	15	-1.2	22	-1
ARGENT	IGUAZU	32	19	40	14	26	2.9	53	-204
	FORMOSA	33	18	43	11	26	3	103	-39
	CERES	28	14	41	6	21	0.4	30	-54
	CORDOBA	26	10	40	1	18	0	33	-38
	RIO CUARTO	24	11	40	3	18	0.2	81	10
	ROSARIO	25	12	38	4	18	0.2	119	11
	BUENOS AIRES	22	10	33	3	16	-1.2	104	0
	SANTA ROSA	22	9	34	0	16	-0.2	20	-53
	TRES ARROYOS	20	8	31	-2	14	-0.3	89	4
AUSTRA	DARWIN	33	25	34	24	29	-0.3	112	45
	BRISBANE	25	17	28	14	21	1	126	45
	PERTH	25	12	35	4	19	1.9	12	-24
	CEDUNA	24	12	37	5	18	0.7	*****	*****
	ADELAIDE	20	12	32	7	16	0.3	*****	*****
	MELBOURNE	19	10	28	4	14	0.6	61	11
	WAGGA	22	11	30	4	16	1.7	89	35
	CANBERRA	20	9	26	2	14	1.6	145	95
AUSTRI	VIENNA	15	8	24	3	11	0.6	126	82
	INNSBRUCK	15	5	22	-2	10	0.5	112	58
BAHAMA	NASSAU	31	26	33	21	28	1.5	245	104
BARBAD	BRIDGETOWN	31	25	32	22	28	0.8	378	194
BELARU	MINSK	13	8	21	0	11	4.3	47	-5
BERMUD	ST GEORGES	27	24	29	21	25	0.8	47	-100
BOLIVI	LA PAZ	17	1	20	-4	9	0	30	-9
BRAZIL	FORTALEZA	31	26	32	24	28	0.5	10	*****
	RECIFE	30	25	31	23	27	-0.2	4	-34
	CAMPO GRANDE	33	22	40	16	27	1.1	222	108
	FRANCA	***	***	38	17	***	*****	126	-27
	RIO DE JANEI	29	22	40	17	25	0.6	67	-14
	LONDRINA	32	19	41	14	25	2.3	44	-84
	SANTA MARIA	26	14	35	8	20	0.3	46	-132
BULGAR	SOFIA	19	8	32	0	13	2.5	60	13
BURKIN	OUAGADOUGOU	35	24	38	19	29	-0.1	58	29
CANADA	LETHBRIDGE	10	-3	26	-23	3	-2.4	13	*****
	REGINA	8	-5	26	-17	2	-2.8	2	-55
	WINNIPEG	7	-1	20	-8	3	-3.6	17	-21
	TORONTO	14	5	25	-5	9	0	59	-6
	MONTREAL	13	5	24	-6	9	0.1	109	31
	PRINCE ALBER	5	-4	20	-13	1	-2.5	6	-23
	CALGARY	8	-2	24	-18	3	-2.3	23	10
	VANCOUVER	13	8	20	-5	10	0.2	88	-32
CANARY	LAS PALMAS	26	21	32	19	23	0.5	4	-10
CHILE	SANTIAGO	25	7	32	1	16	2.1	0	-10
CHINA	HARBIN	12	3	21	-4	8	0.8	13	-9
	HAMI	18	1	24	-4	10	0.3	0	-4
	BEIJING	20	8	23	2	14	-0.1	4	-19
	TIENTSIN	20	8	24	2	14	-0.9	5	-22
	LHASA	22	7	25	1	14	5	0	-7
	KUNMING	21	14	26	8	17	1	30	-50
	CHENGCHOW	20	12	28	5	16	0.5	36	-2
	YECHANG	19	14	27	9	16	-0.3	153	75
	HANKOW	21	14	28	10	18	0	275	194
	CHUNGKING	20	16	23	13	18	-1.3	171	78
	CHIHKIANG	20	14	27	9	17	-0.6	88	-2
	WU HU	22	15	29	8	18	-0.5	57	2
	SHANGHAI	22	16	29	8	19	-0.2	52	-11
	NANCHANG	23	17	31	13	20	0.1	52	-6
	TAIPEI	27	23	35	19	25	0	31	-115
	CANTON	28	20	33	17	24	1.1	12	-66
	NANNING	26	20	33	16	23	-0.5	174	123
COLOMB	BOGOTA	***	***	***	***	***	*****	*****	*****
COTE D	ABIDJAN	30	25	31	22	27	0	418	264
CUBA	CAMAGUEY	30	24	32	22	27	0.8	19	*****
CYPRUS	LARNACA	31	20	35	17	25	2.8	0	-17
CZECHR	PRAGUE	13	7	22	2	10	1.5	79	52
DENMAR	COPENHAGEN	14	9	18	1	11	1.5	80	25
EGYPT	CAIRO	31	21	37	19	26	1.6	0	*****
ESTONI	TALLINN	12	7	20	-1	10	3	89	11

Based on Preliminary Reports

October 2020

COUNTRY CITY		TEMPERATURE					PRECIP.			COUNTRY CITY		TEMPERATURE					PRECIP.		
		(C)					(MM)					(C)					(MM)		
		AVG	AVG	HI	LO		DEP		DEP			AVG	AVG	HI	LO		DEP		DEP
		MAX	MIN	MAX	MIN	AVG	NRM	TOT	NRM			MAX	MIN	MAX	MIN	AVG	NRM	TOT	NRM
ETHIOP	ADDIS ABABA	24	12	26	7	18	2.1	33	-3	MOZAMB	MAPUTO	27	19	34	14	23	-0.3	45	-5
F GUIA	CAYENNE	33	23	34	21	28	0.9	62	-6	N KORE	PYONGYANG	18	8	24	2	13	-0.2	30	-15
FIJI	NAUSORI	28	22	31	19	25	1.4	250	24	NEW CA	NOUMEA	28	21	32	17	24	1.8	21	-26
FINLAN	HELSINKI	11	6	18	-4	8	2.8	81	-2	NIGER	NIAMEY	37	26	41	22	31	0.1	27	15
FRANCE	PARIS/ORLY	16	10	22	4	13	0.1	95	42	NORWAY	OSLO	9	5	15	-1	7	2.4	201	105
	STRASBOURG	16	8	21	0	12	1.1	57	-5	NZEALA	AUCKLAND	19	12	23	6	16	1.1	34	-47
	BOURGES	15	9	24	4	12	0.0	131	62		WELLINGTON	16	11	20	3	14	0.8	76	-10
	BORDEAUX	18	10	24	4	14	-0.3	202	108	P RICO	SAN JUAN	31	26	34	24	28	0.3	166	24
	TOULOUSE	18	10	23	3	14	-0.8	82	25	PAKIST	KARACHI	36	25	40	19	30	1.8	0	-3
	MARSEILLE	20	10	24	4	15	-1.4	23	-43	PERU	LIMA	20	16	22	15	18	0.4	6	*****
GABON	LIBREVILLE	***	***	31	***	***	*****	91	-250	PHILIP	MANILA	31	25	34	24	28	-0.2	331	130
GERMAN	HAMBURG	14	8	18	2	11	1.5	53	-13	PNEWGU	PORT MORESBY	30	26	33	24	28	0.2	55	17
	BERLIN	14	9	22	1	12	1.9	59	20	POLAND	WARSAW	14	8	24	1	11	2.6	79	47
	DUSSELDORF	15	9	22	4	12	0.4	46	-18		LODZ	14	8	22	0	11	1.7	89	50
	LEIPZIG	15	9	22	4	12	2.0	48	17		KATOWICE	14	7	24	1	11	1.5	143	96
	DRESDEN	14	8	22	2	11	1.6	104	61	PORTUG	LISBON	22	14	28	11	18	-0.5	148	53
	STUTTGART	14	7	22	0	10	1.0	37	-22	ROMANI	BUCHAREST	20	9	30	0	15	4.3	66	19
	NURNBERG	14	7	21	-1	10	1.4	40	-12	RUSSIA	ST.PETERSBUR	12	7	20	-1	9	3.1	79	13
	AUGSBURG	14	6	20	-1	10	0.2	71	19		KAZAN	11	4	20	-2	7	2.1	42	-8
GREECE	THESSALONIKA	24	13	29	8	18	1.6	12	-28		MOSCOW	12	6	20	1	9	3.7	81	10
	LARISSA	24	10	31	5	18	1.0	37	-16		YEKATERINBUR	8	2	19	-8	5	1.8	25	-19
	ATHENS	26	18	33	14	22	2.3	16	-18		OMSK	9	2	18	-6	5	1.6	25	-5
GUADEL	RAIZET	31	24	33	22	27	0.7	209	53		BARNAUL	8	1	17	-7	4	1.0	52	12
HONGKO	HONG KONG IN	29	24	32	21	26	-0.6	87	*****		KHABAROVSK	10	2	18	-6	6	1.3	72	13
HUNGAR	BUDAPEST	16	8	27	2	12	1.0	107	73		VLADIVOSTOK	13	7	18	1	10	1.0	37	-20
ICELAN	REYKJAVIK	8	5	12	0	6	1.9	32	-42		VOLGOGRAD	18	6	24	-1	12	3.5	0	-26
INDIA	AMRITSAR	33	16	36	11	25	0.8	0	-21		ASTRAKHAN	19	8	25	2	14	3.2	0	-17
	NEW DELHI	34	17	37	12	26	-0.3	0	-16		ORENBURG	14	1	22	-6	8	2.0	20	-13
	AHMEDABAD	36	24	38	18	30	1.4	1	-10	S AFRI	JOHANNESBURG	26	14	33	9	20	2.1	189	108
	INDORE	33	20	34	16	26	1.4	42	-2		DURBAN	24	17	31	12	20	0.0	96	-2
	CALCUTTA	34	26	36	22	30	1.7	42	-80		CAPE TOWN	22	12	30	6	17	0.4	9	-23
	VERAVAL	34	26	38	22	30	1.3	1	*****	S KORE	SEOUL	20	10	24	3	15	0.0	0	-52
	BOMBAY	33	25	35	21	29	0.5	170	*****	SAMOA	PAGO PAGO	30	25	32	24	28	0.3	475	218
	POONA	31	20	34	15	26	0.7	312	230	SENEGA	DAKAR	33	26	38	18	29	1.3	33	8
	BEGAMPET	31	21	33	18	26	0.2	487	380	SPAIN	VALLADOLID	19	7	26	1	13	-0.3	68	13
	VISHAKHAPATN	32	26	34	23	29	0.9	362	137		MADRID	19	8	27	1	14	-1.0	50	1
	MADRAS	33	25	37	23	29	0.9	158	-141		SEVILLE	26	14	34	9	20	-0.7	47	*****
	MANGALORE	30	23	33	22	27	-0.6	462	*****	SWITZE	ZURICH	13	7	20	3	10	0.0	91	5
INDONE	SERANG	33	24	35	22	29	0.5	63	-16		GENEVA	14	7	20	2	11	-0.4	157	60
IRELAN	DUBLIN	13	7	15	1	10	-0.2	81	3	SYRIA	DAMASCUS	32	12	36	8	22	3.6	0	-11
ITALY	MILAN	18	9	24	3	13	-1.3	118	34	TAHITI	PAPEETE	30	23	31	22	26	0.1	135	38
	VERONA	18	8	22	2	13	-1.1	147	61	TANZAN	DAR ES SALAA	32	22	36	20	27	1.5	253	182
	VENICE	17	10	22	5	14	-1.1	129	56	THAILA	PHITSANULOK	31	24	34	22	28	-0.3	184	19
	GENOA	19	14	25	11	17	-1.2	168	35		BANGKOK	32	25	35	23	28	0.1	505	214
	ROME	21	12	24	6	16	-1.5	73	-28	TOGO	TABLIGBO	32	24	34	22	28	0.3	148	*****
	NAPLES	21	12	29	7	16	-2.0	89	1	TRINID	PORT OF SPAI	32	24	36	22	28	1.0	250	52
JAMAIC	KINGSTON	32	24	34	22	28	0.0	537	407	TUNISI	TUNIS	26	16	33	11	21	-0.8	12	-38
JAPAN	SAPPORO	17	10	23	5	14	1.7	70	-39	TURKEY	ISTANBUL	23	16	32	10	20	2.8	99	36
	NAGOYA	22	15	29	8	18	0.2	273	144		ANKARA	24	7	31	3	16	4.0	20	-13
	TOKYO	21	15	27	9	18	-0.6	208	10	TURKME	ASHKHABAD	24	9	29	1	16	1.7	10	-2
	YOKOHAMA	21	16	27	11	18	0.0	224	29	UKINGD	ABERDEEN	12	7	15	2	9	-0.1	220	124
	KYOTO	23	15	29	8	19	0.0	175	54		LONDON	15	9	19	5	12	-0.3	172	101
	OSAKA	23	16	28	9	19	0.1	209	96	UKRAIN	KIEV	16	10	22	2	13	4.6	102	61
KAZAKH	KUSTANAY	12	0	21	-8	6	1.1	39	11		LVOV	15	7	23	1	11	3.1	52	2
	TSELINOGRAD	10	0	19	-9	5	-0.2	21	-7		KIROVOGRAD	18	9	24	1	14	5.0	37	1
	KARAGANDA	10	-1	20	-8	4	0.5	16	-12		ODESSA	20	14	24	6	17	5.1	10	-24
KENYA	NAIROBI	27	16	30	13	21	-0.4	30	-18		KHARKOV	17	8	24	0	13	4.7	40	-8
LIBYA	BENGHAZI	***	***	39	***	***	*****	2	*****	UZBEKI	TASHKENT	20	7	26	0	14	-0.1	0	-25
LITHUA	KAUNAS	13	8	22	2	10	3.2	48	-7	VENEZU	CARACAS	***	***	***	***	***	*****	0	-68
LUXEMB	LUXEMBOURG	13	8	21	3	10	0.8	112	25	YUGOSL	BELGRADE	19	11	30	4	15	2.1	91	41
MALAYS	KUALA LUMPUR	33	25	35	23	29	1.8	195	-68	ZAMBIA	LUSAKA	32	20	36	14	26	1.8	*****	*****
MALI	BAMAKO	35	20	37	13	27	-0.9	40	-16										
MARSHA	MAJURO	30	27	32	24	28	0.2	575	238										
MARTIN	LAMENTIN	31	24	35	23	28	0.5	504	237										
MAURIT	NOUAKCHOTT	39	25	44	21	32	3.5	*****	*****										
MEXICO	GUADALAJARA	29	15	30	9	22	1.6	15	*****										
	TLAXCALA	24	11	26	5	18	1.1	56	8										
	ORIZABA	25	15	28	12	20	0.7	87	*****										
MOROCC	CASABLANCA	24	16	32	12	20	-0.5	12	-27										
	MARRAKECH	30	15	36	11	22	0.7	2	-17										

Based on Preliminary Reports

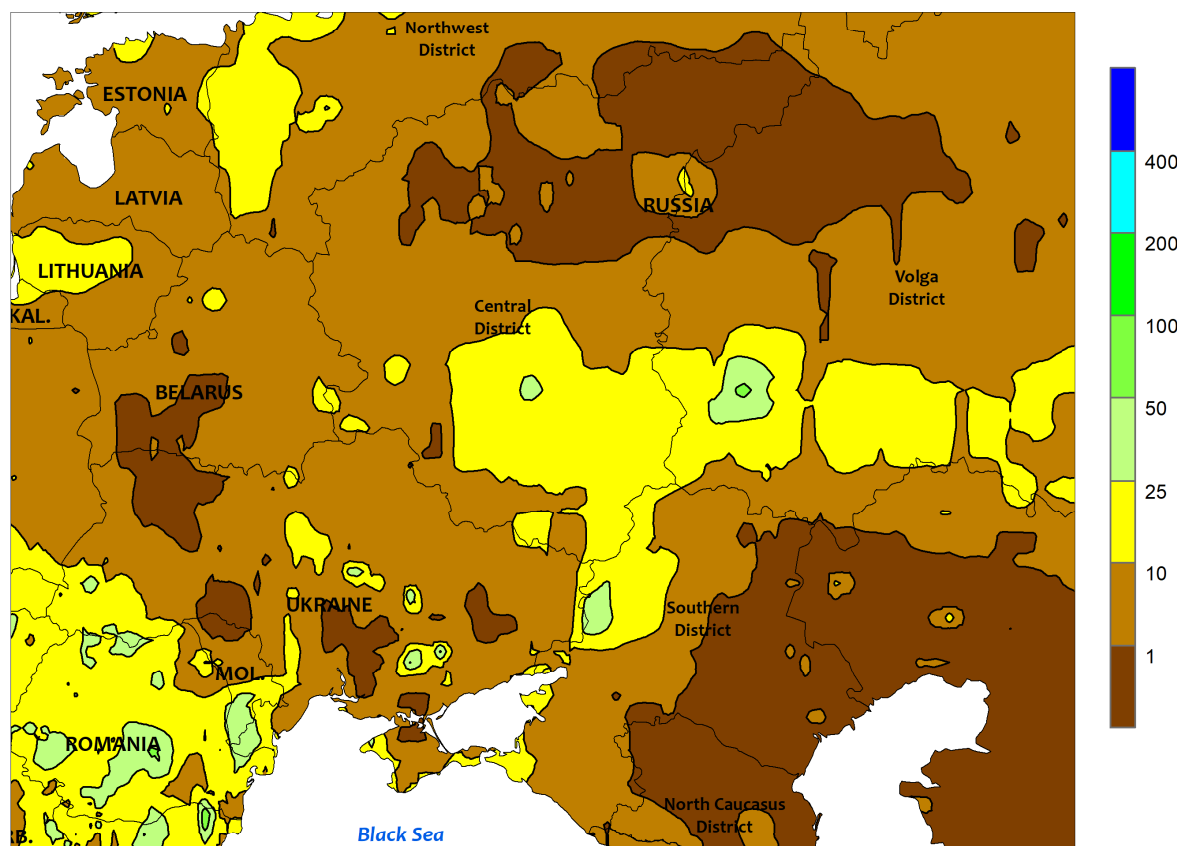


EUROPE

The recent spell of unsettled weather continued, with a series of fast-moving storm systems producing widespread showers from the Atlantic Coast into eastern Europe. Rain amounts for the week tallied between 5 and 50 mm in most primary winter crop areas, with locally higher totals (50-100 mm) reported in northern- and western-most growing regions and in mountainous locales (Portugal, Alps and immediate environs, and central Romania). Moisture supplies remained favorable for winter crop establishment over much of Europe, though excessively wet conditions over the past 30 days (200-400

percent of normal) have impeded fieldwork and resulted in water-logged soils from western Bulgaria into Poland and northeastern Germany. In addition, another round of untimely heavy showers (locally more than 25 mm) in central Greece (Thessaly) further degraded the quality of unharvested cotton, a crop which has been besieged by untimely heavy rains during the open boll and maturity stages since mid-September. Temperatures averaged 2 to 4°C above normal over much of Europe, with near-normal temperatures confined to southern-most growing areas.

WESTERN FSU
Total Precipitation (mm)
October 25 - 31, 2020



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

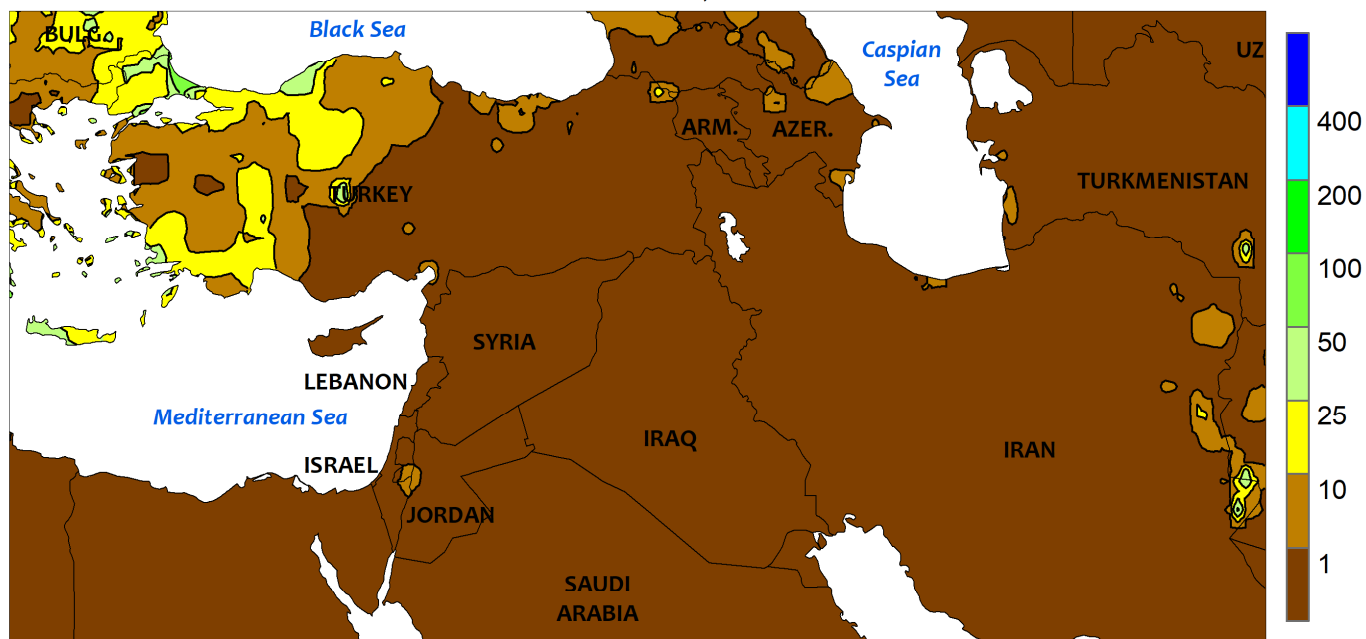


WESTERN FSU

Much-needed rain in western Russia eased severe drought, while late-season warmth afforded producers an extended window for winter wheat establishment. A slow-moving disturbance produced widespread albeit highly variable showers (2-40 mm) across western Russia and neighboring portions of eastern Ukraine, providing sorely-needed soil moisture for winter wheat establishment. Despite this week's shower activity, more rain will be needed to eradicate lingering long-term deficits. As of November 1, oblast-average precipitation since August 5 stood at 25 percent of normal in both Volgograd (northern Southern District) and Stavropol (North Caucasus District), 35 percent of normal in Rostov (central Southern District), and

50 percent in Krasnodar (southwestern Southern District). Light showers (2-13 mm) prevailed across central Ukraine, though some locales were dry. The summer drought in southern Ukraine's primary winter crop areas was abated by timely heavy rains in late September and follow-up showers during the first half of October; consequently, prospects for winter barley, rapeseed, and wheat have improved considerably. Similarly, winter wheat prospects have rebounded in Moldova due to the heavy rainfall during late September and the first half of October. Temperatures averaged 2 to 7°C above normal (warmest in the far south), extending the window for winter wheat establishment in areas that received recent moisture improvements.

MIDDLE EAST
Total Precipitation (mm)
October 25 - 31, 2020



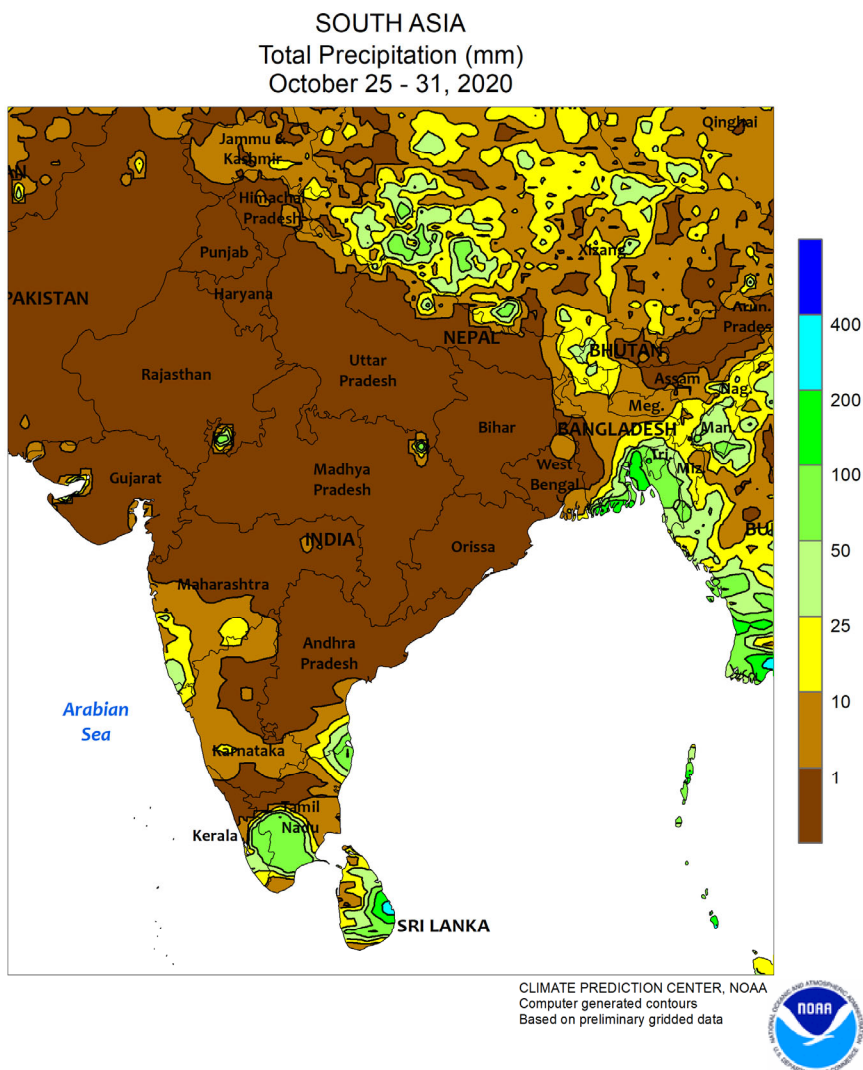
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data



MIDDLE EAST

Beneficial rain in western Turkey contrasted with dry weather elsewhere. Widespread light to moderate showers continued in western Turkey (1-20 mm, locally more near the coast), maintaining or improving soil moisture for emerging winter grains. However, rain bypassed central and eastern portions of the Anatolian Plateau, where season-to-date precipitation (since September 1) has tallied less than 25 percent of normal. Turkey's southern and eastern croplands also remained unfavorably dry, with the

pronounced early-season deficits (20 percent of normal or less) extending into the Armenian Highlands of eastern Turkey; this latter region's mountain snowpacks are a vital source for rivers and subsequent irrigation supplies. Elsewhere, short-term dryness intensified from Syria into Iran, with no rain reported during the past 7 days. Unseasonable warmth (2-7°C above normal) across central and western crop areas contrasted with temperatures up to 4°C below normal over southeastern Iran.

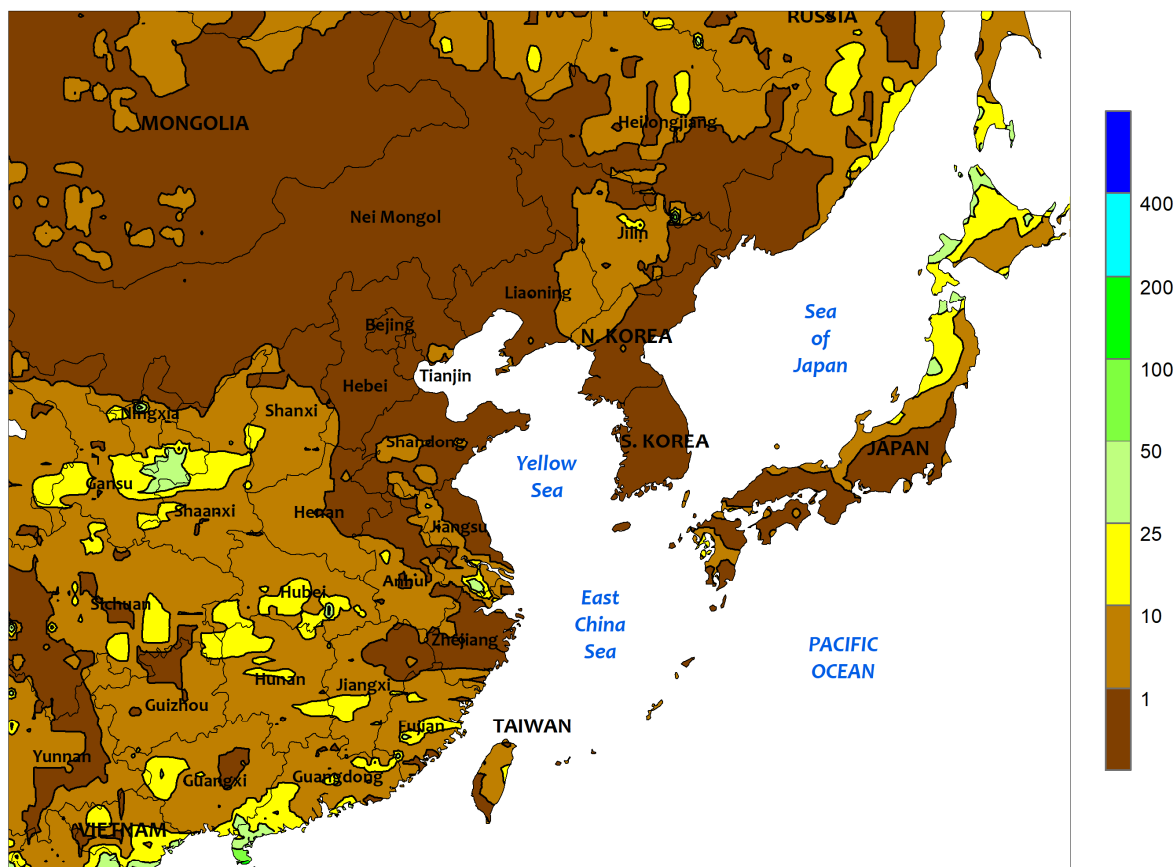


SOUTH ASIA

The southwest monsoon fully withdrew from India toward the end of the period, ushering in drier weather throughout the country. The monsoon had lingered nearly three weeks longer than usual in the southern half of India, bringing extensive late-season rainfall.

However, the recent seasonable dryness eased excessive wetness for cotton in central India while also supporting kharif crop harvesting elsewhere. Furthermore, the conditions promoted wheat and rapeseed sowing in northern India and Pakistan.

EASTERN ASIA
Total Precipitation (mm)
October 25 - 31, 2020



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

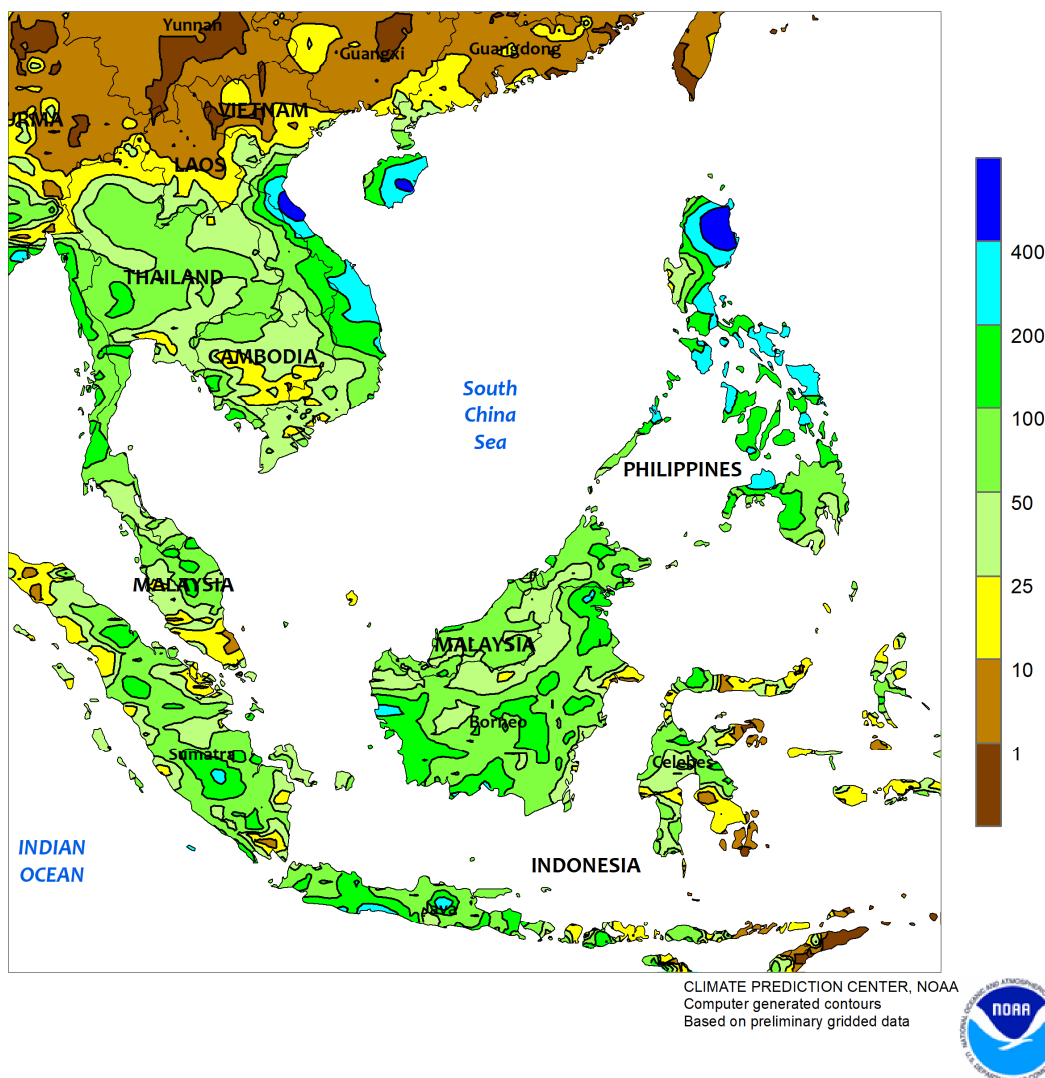


EASTERN ASIA

Rainfall was mostly light (less than 10 mm) in eastern China, with pockets of heavier showers (10-25 mm) in the south. The showers maintained favorable soil moisture for rapeseed emergence and establishment in the Yangtze Valley. Meanwhile, the bulk of the North

China Plain remained dry, necessitating supplemental irrigation to ensure proper wheat emergence. Furthermore, temperatures averaged 1 to 3°C above normal, with frosty weather confined well to the north, facilitating crop development.

SOUTHEAST ASIA
Total Precipitation (mm)
October 25 - 31, 2020

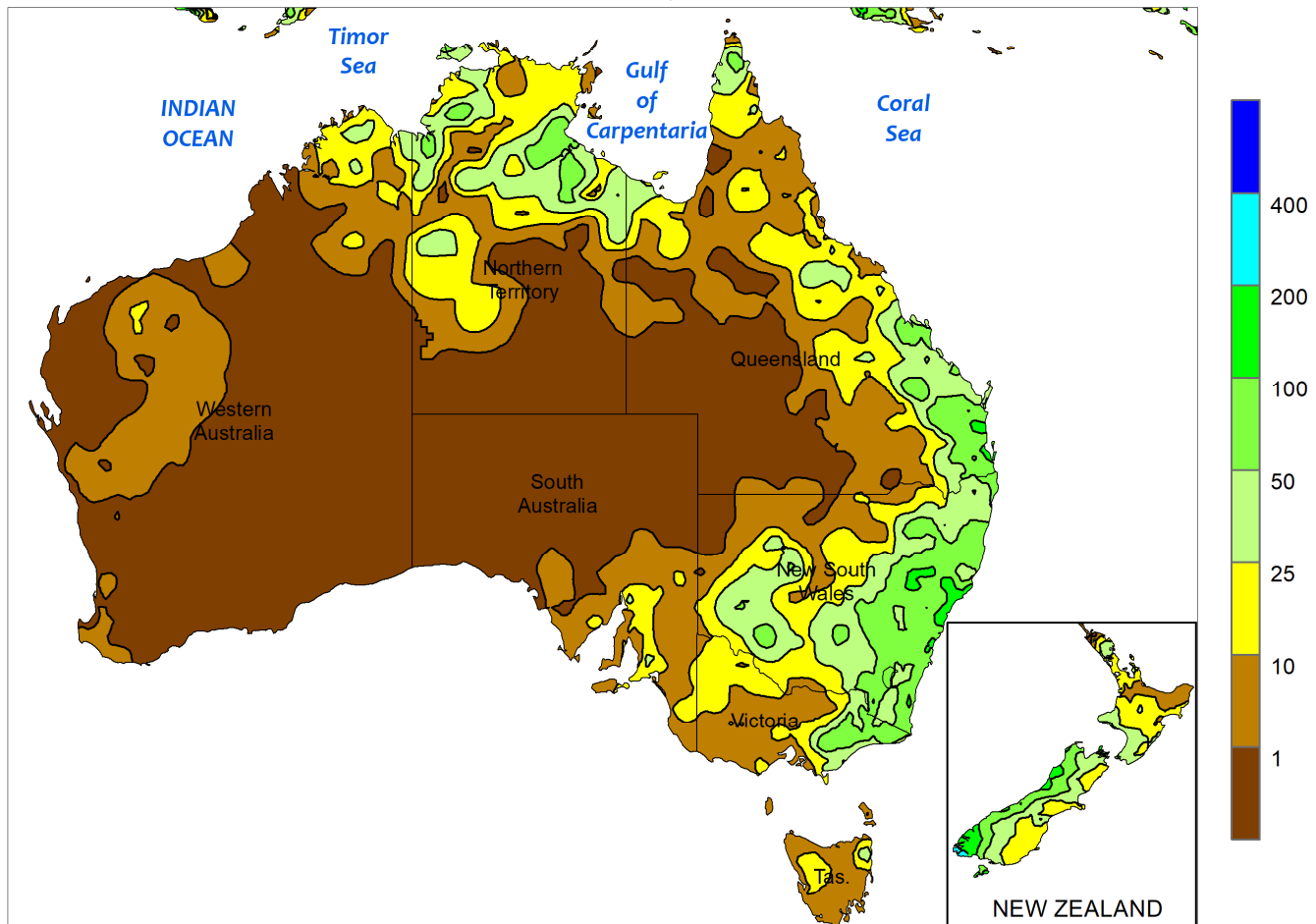


SOUTHEAST ASIA

Typhoon Molave moved across the central Philippines during the early part of the period, with the storm uncharacteristically strengthening as it crossed the central islands. Sustained wind speeds were 55 knots at landfall and increased to 75 knots as Molave exited the western Visayas. Heavy rainfall (over 200 mm) inundated much of the Philippines, with the highest totals in the north (over 400 mm). The severe wetness had limited agricultural impacts, though, as most of the summer rice and corn had been harvested and the winter crop had yet to be widely sown. Molave continued to strengthen as it moved across the South China Sea (maximum sustained winds of 110 knots) before weakening prior to landfall in central Vietnam (90 knot winds). The downpours (over 200 mm) associated with the storm added to already impressive 60-day rainfall totals in north-central sections of Vietnam; rainfall totals over

the last 60 days were over 2,000 mm in some locales. Meanwhile, more seasonable showers (25-100 mm) were reported in the remainder of Indochina and into Thailand. The moisture likely came too late to aid wet-season rice but helped boost reservoirs for dry-season rice that will be sown over the next several weeks. Elsewhere, after a much earlier-than-normal start to the wet season (over a month early) in Java, Indonesia, wet weather (25-100 mm, locally more) continued to encourage widespread rice sowing. By the end of the period Super Typhoon Goni was approaching the Philippines and would be the fifth tropical cyclone to affect the Philippines since September 1, and with sustained winds of 170 knots was reportedly one of the strongest recorded typhoons in history. Additional information on Super Typhoon Goni's effects will appear in next week's *Weekly Weather and Crop Bulletin*.

AUSTRALIA
Total Precipitation (mm)
October 25 - 31, 2020



Gridded data from the Australian Bureau of Meteorology: www.bom.gov.au/
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CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data

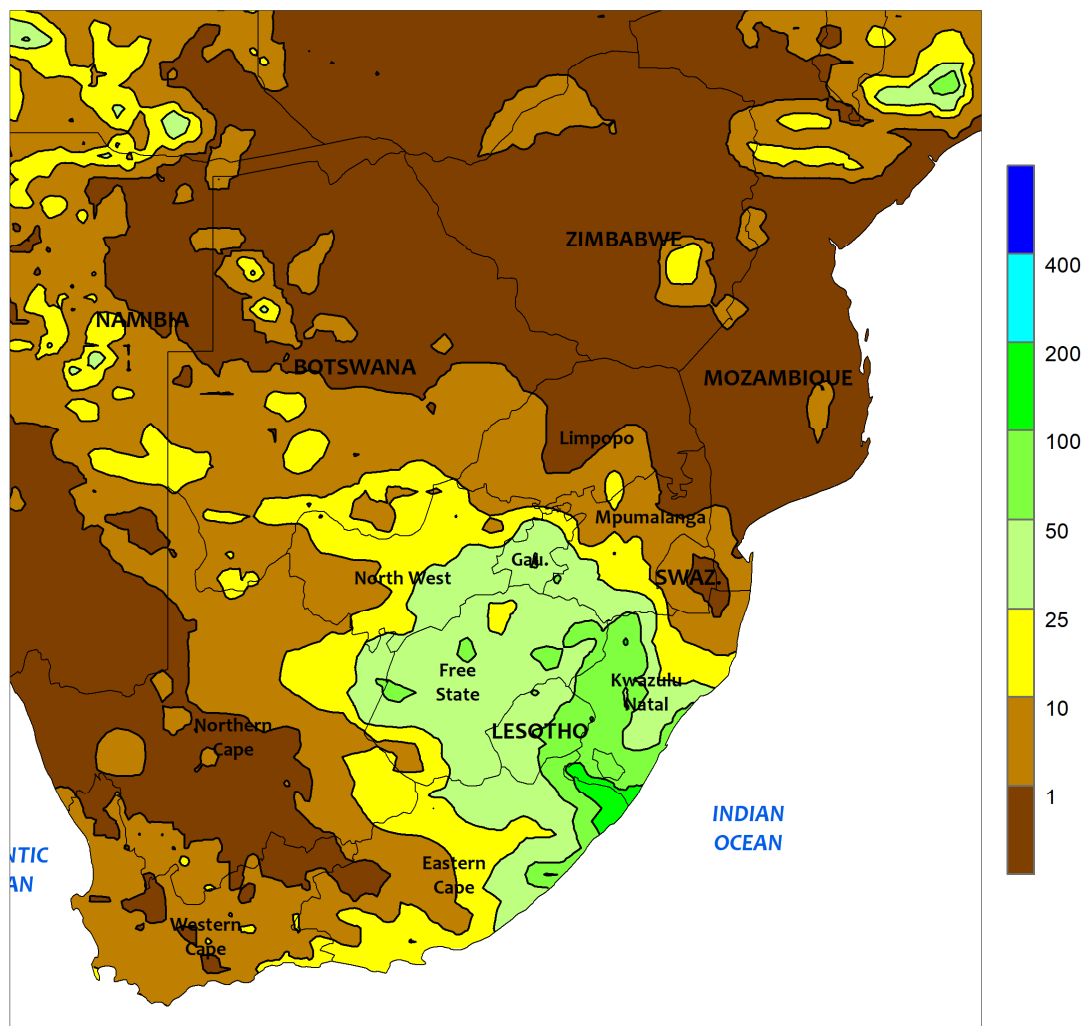


AUSTRALIA

Soaking rain (15-50 mm or more) in southern Queensland and New South Wales further increased moisture supplies for germinating to emerging summer crops but likely caused some temporary planting delays. In northern growing areas, the rain likely disrupted local wheat harvesting as well but may have benefited later-maturing winter crops farther south. Similarly, scattered showers (5-15 mm) in Victoria and South Australia benefited filling wheat, barley, and canola, helping to maintain

good to excellent yield prospects. Elsewhere in the wheat belt, dry weather in Western Australia favored winter crop maturation and harvesting but likely capped the yield potential of immature crops. Temperatures averaged 3 to 4°C above normal in Western Australia, hastening winter grain and oilseed maturation. In contrast, temperatures averaged 2 to 3°C below normal throughout most of southern and eastern Australia, slowing the pace of crop development.

SOUTH AFRICA
Total Precipitation (mm)
October 25 - 31, 2020



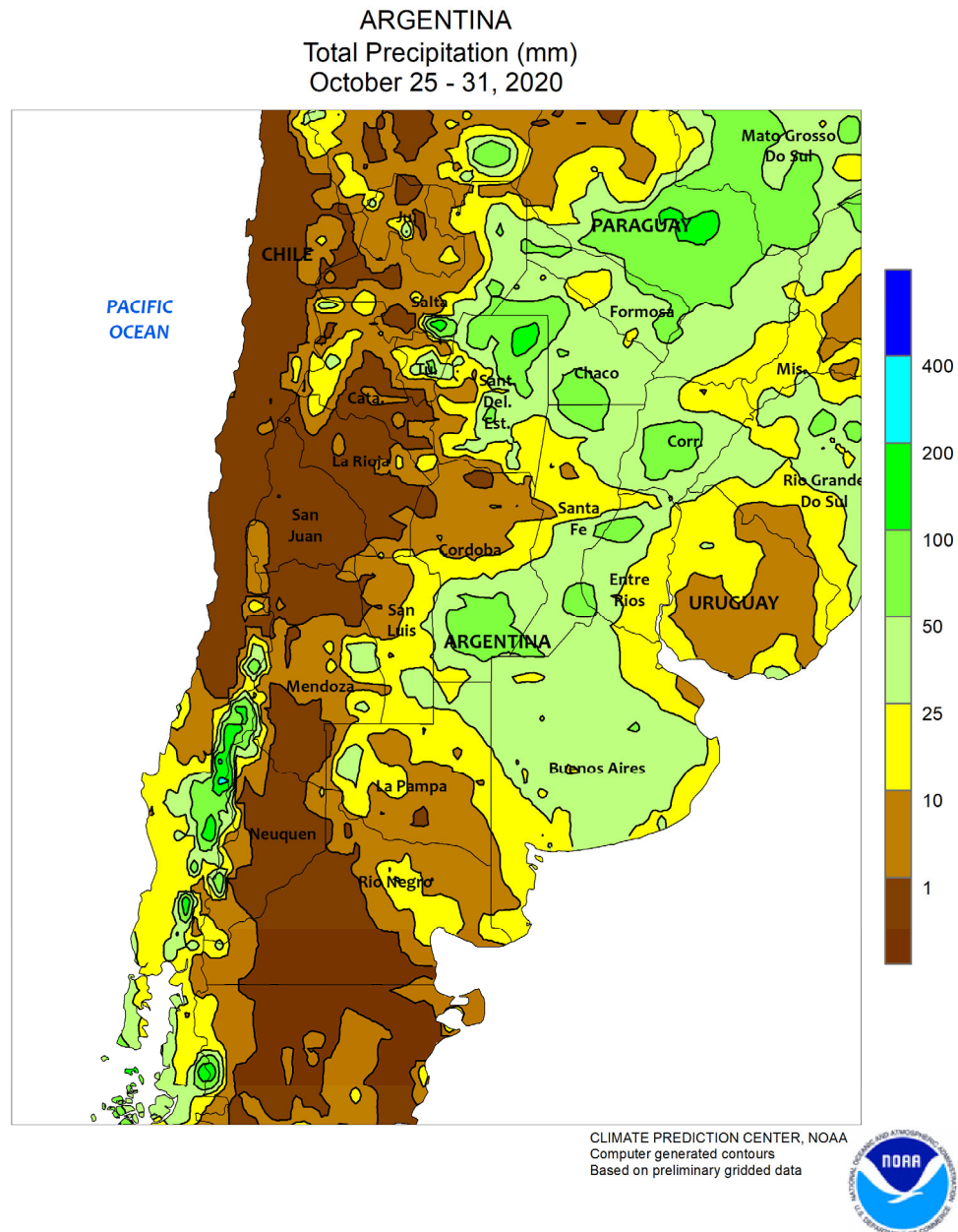
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data



SOUTH AFRICA

Unseasonably heavy showers helped to condition fields for planting corn and other rain-fed summer crops. Rainfall totaling more than 25 mm covered a large area ranging from North West and Gauteng southeastward to the Indian Ocean Coast. While the rain arrived too early in the season to initiate planting in western production areas, the moisture was timely for locations in and around southern Mpumalanga where planting of rain-fed summer crops was

likely underway. In addition, the rainfall in southern KwaZulu-Natal benefited rain-fed sugarcane. Elsewhere, sunny weather sped maturation of wheat in major production areas of Western Cape, as well as advancing development of tree and vine crops. Weekly average temperatures remained near to above normal throughout the region, although daytime highs mostly stayed below 30°C in the main agricultural areas of Western Cape.

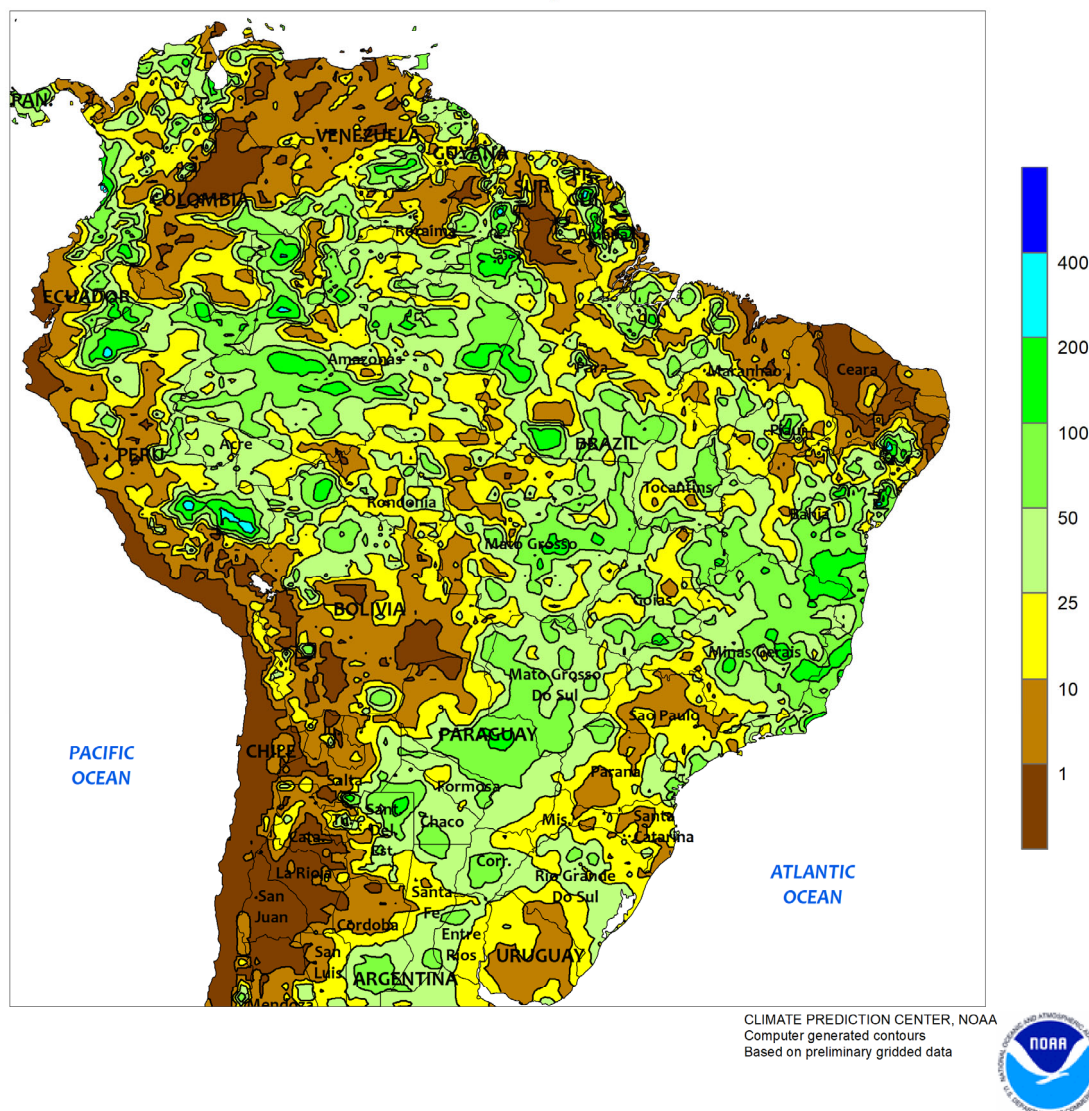


ARGENTINA

Locally heavy showers were timely for germination and establishment of summer grains, oilseeds, and cotton. Rainfall totaled 10 to 50 mm – locally higher - from La Pampa and Buenos Aires northward through Salta and western Corrientes; amounts greater than 50 mm were recorded over high-yielding farming areas in and around southern Cordoba. For many producers, it was a second consecutive week of much-needed rain. Although the moisture will benefit later-developing winter grains, much of the crop had already suffered irreversible losses in yield potential due to earlier periods of drought. The wetter

conditions ushered cooler weather (weekly temperatures averaging up to 2°C below normal) into the region, lowering evaporation rates from the previous high levels. Highest daytime temperatures ranged from the lower and middle 20s (degrees C) to the lower 40s in and around western Chaco. According to the government of Argentina, corn was 36 percent planted as of October 29, one point ahead of last year's national pace; fieldwork advanced 4 points in Cordoba (20 percent planted), falling behind the previous year's pace by 12 points. Sunflower planting advanced 11 points to reach 51 percent complete, equal to last year's pace.

BRAZIL
Total Precipitation (mm)
October 25 - 31, 2020

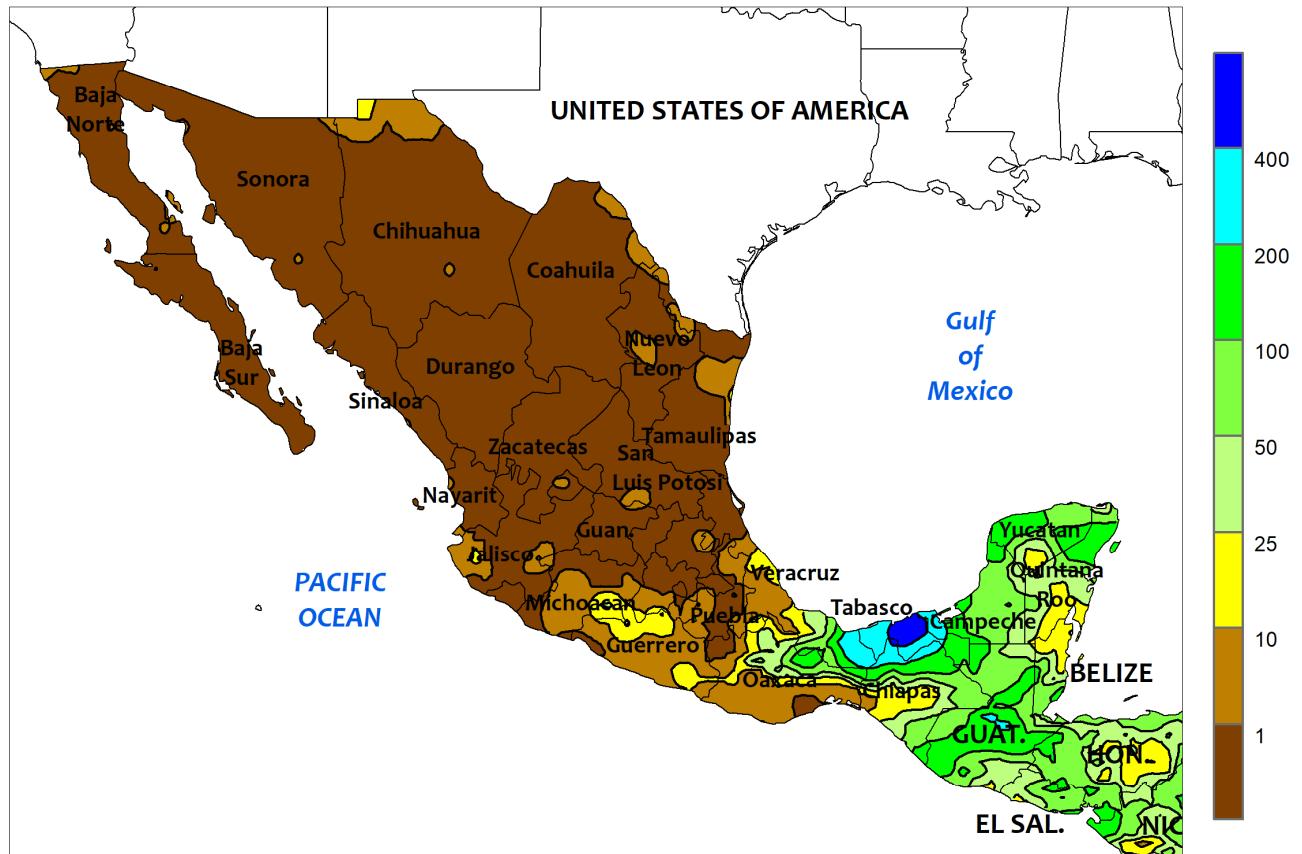


BRAZIL

Scattered, locally heavy showers continued throughout central Brazil, supporting an increased pace of soybean planting. Rainfall was variable, with a few lingering pockets of dryness, but totaled 10 to 100 mm from Mato Grosso eastward through Minas Gerais and southern Bahia. Similar amounts were recorded in the northeastern interior (Tocantins and vicinity). Despite the showers, daytime highs still reached the lower and middle 30s (degrees C) in the aforementioned areas, sustaining high rates of evaporative losses. According to the government of Mato Grosso, soybean planting advanced 29 points to reach 54 percent complete on October 30, lagging last year's pace by 28 points. Elsewhere, moderate rain (greater than 25 mm)

extended eastward from Paraguay into southern Mato Grosso do Sul, otherwise showers were widely scattered and light from Sao Paulo southward through Rio Grande do Sul, with many locations recording less than 10 mm. While favoring wheat harvesting, more rain is needed in southern farming areas as summer crop planting increases. According to the government of Parana, wheat was 90 percent harvested as of October 26; meanwhile first-crop corn and soybeans were 92 and 61 percent planted, respectively. In Rio Grande do Sul, 60 percent of wheat was reportedly harvested as of October 29, 14 points ahead of the 5-year average, while corn and soybeans were 72 and 7 percent planted, respectively.

MEXICO
Total Precipitation (mm)
October 25 - 31, 2020



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



MEXICO

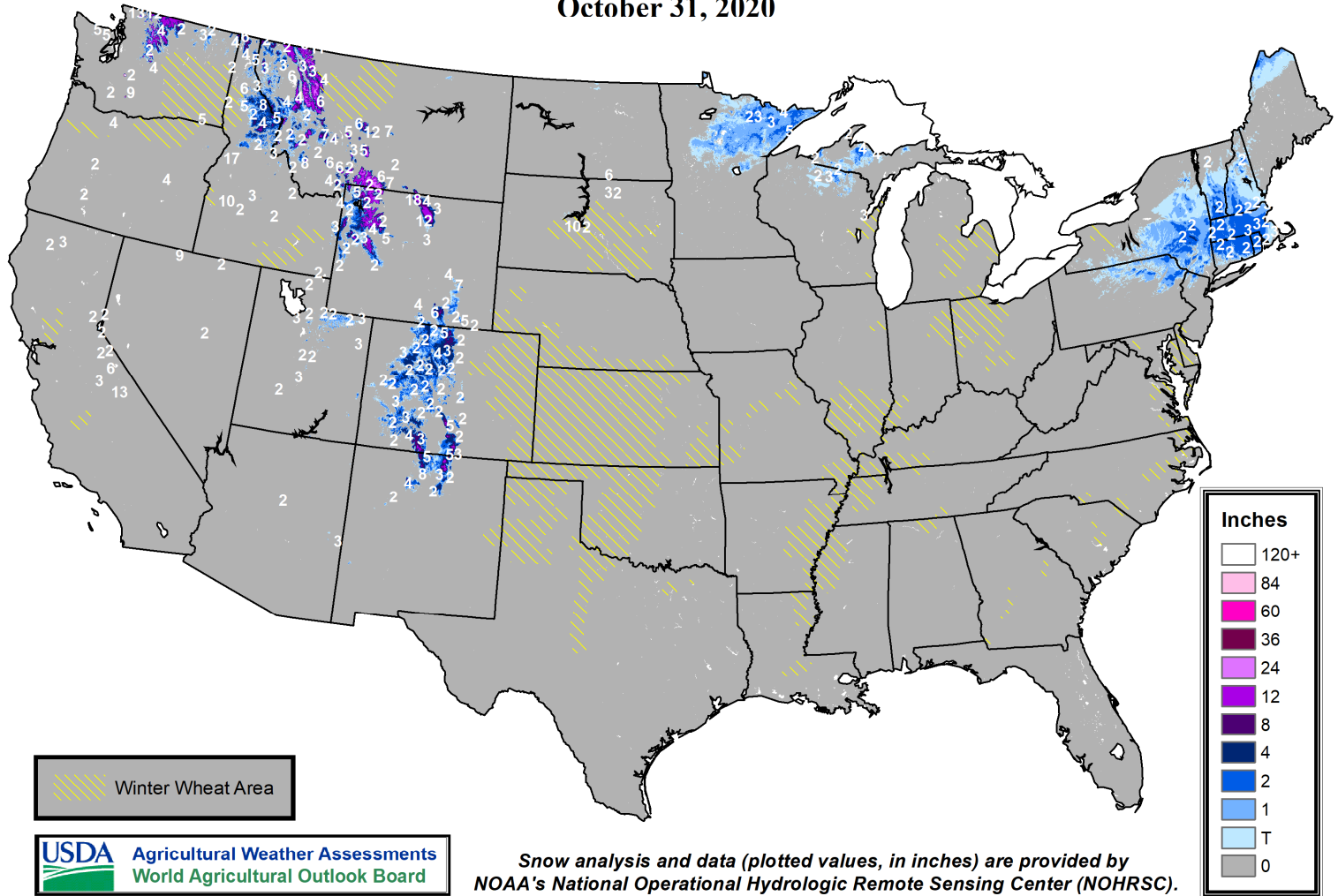
Locally heavy showers continued in the southeast as seasonably drier conditions dominated major farming areas of northern and central Mexico. On the Yucatan Peninsula, the rainfall (locally greater than 100 mm) was partly from Hurricane Zeta, which made landfall on October 26 north of Belize with sustained winds of approximately 70 knots. Farther west, inundating rain (locally greater 200 mm) fell at month's end over a relatively small area concentrated over Tabasco. While greatly increasing irrigation supplies, the rain renewed flooding concerns and disrupted on-farm activities.

Seasonably drier conditions prevailed elsewhere, prompting rapid development of corn and other summer crops. However, the extended dryness in northern farming areas resulted in lower-than-expected reservoir recharge in northwestern watersheds. As of October 31, reservoirs were at 65 percent capacity in Sinaloa; 61 percent in Sonora; and 31 percent in Chihuahua.

This is the last weekly summary of the season; routine coverage will resume in April 2021 upon commencement of seasonal rainfall.

Snow Depth

October 31, 2020



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