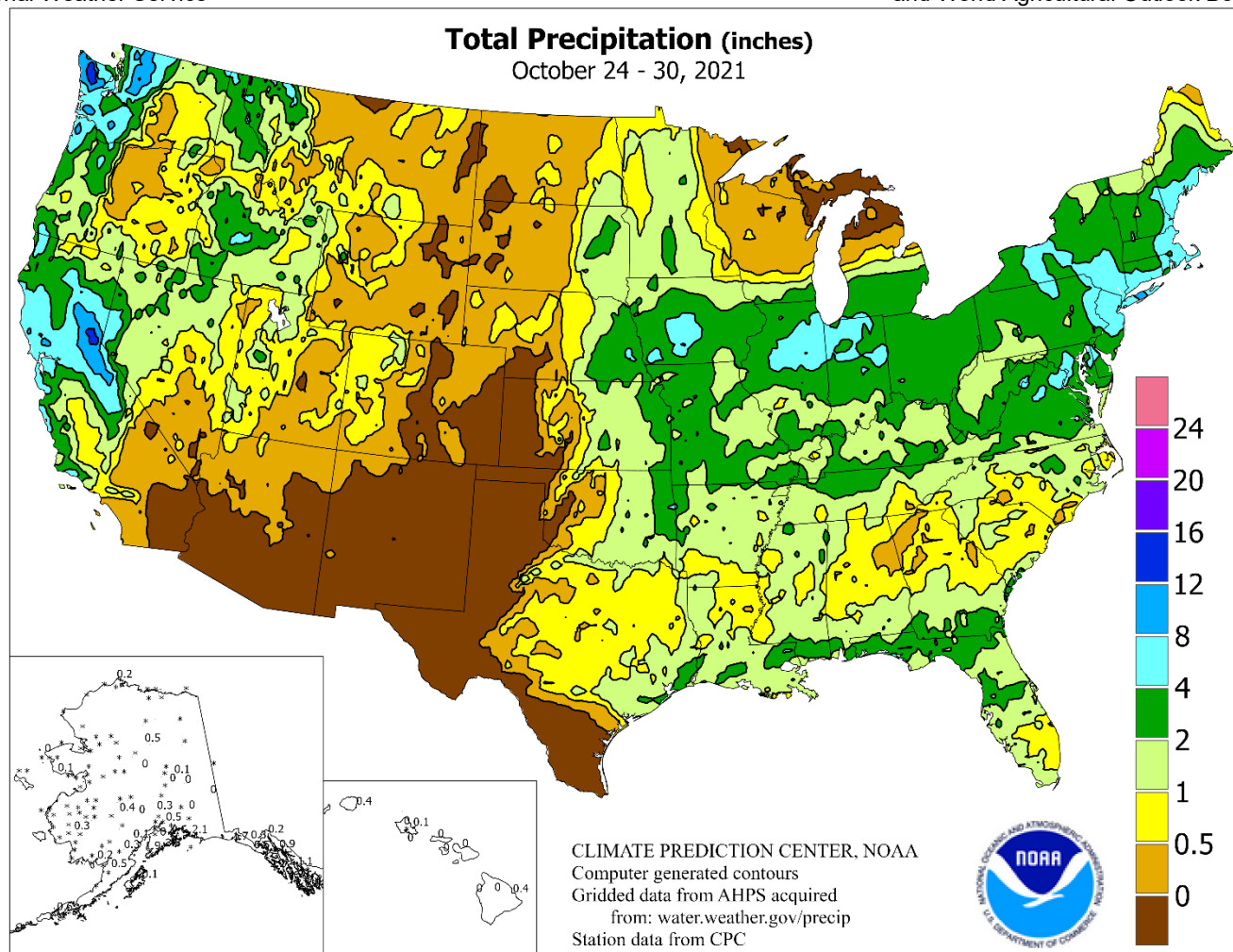


WEEKLY WEATHER AND CROP BULLETIN

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 24 – 30, 2021

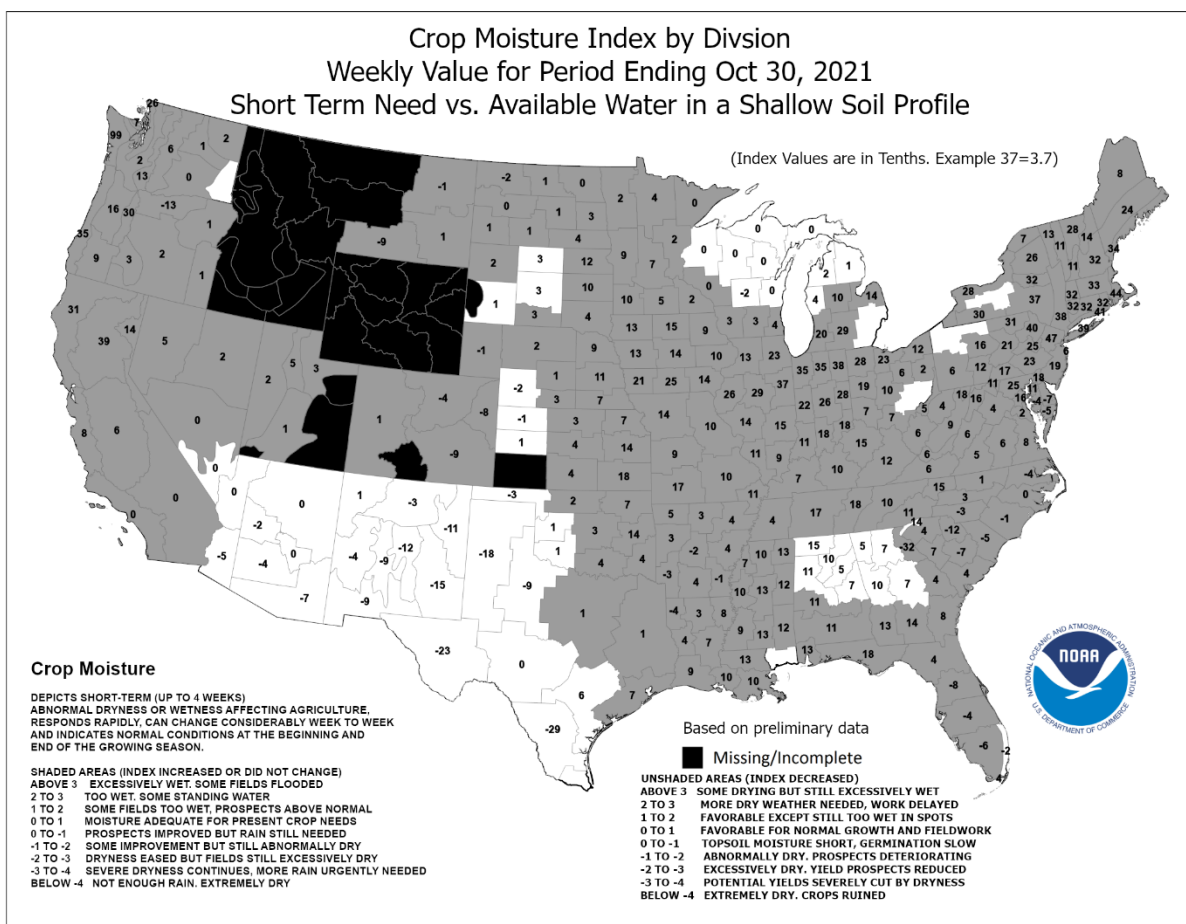
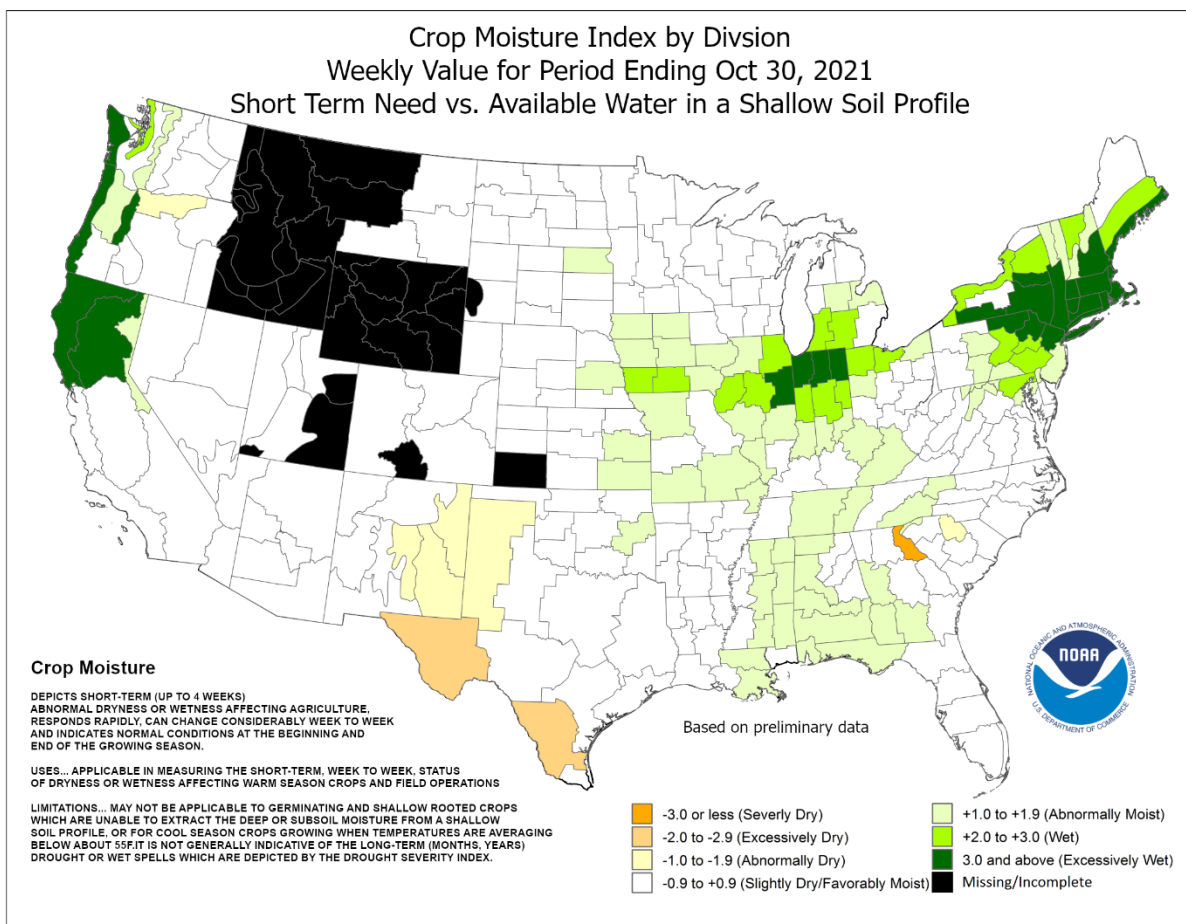
Highlights provided by USDA/WAOB

A potent, early-season storm struck **northern California** and neighboring areas on October 24-25, delivering record-setting precipitation amounts and providing some drought relief. However, the storm also sparked flash flooding and triggered several debris flows, especially on hillsides scarred by recent wildfires. The **Western** storm later shifted eastward, producing widespread precipitation across the **eastern half of the country**. Some of the heaviest rain, 2 to 4 inches or more, fell from parts of the **Midwest into the Northeast**, halting harvest activities and

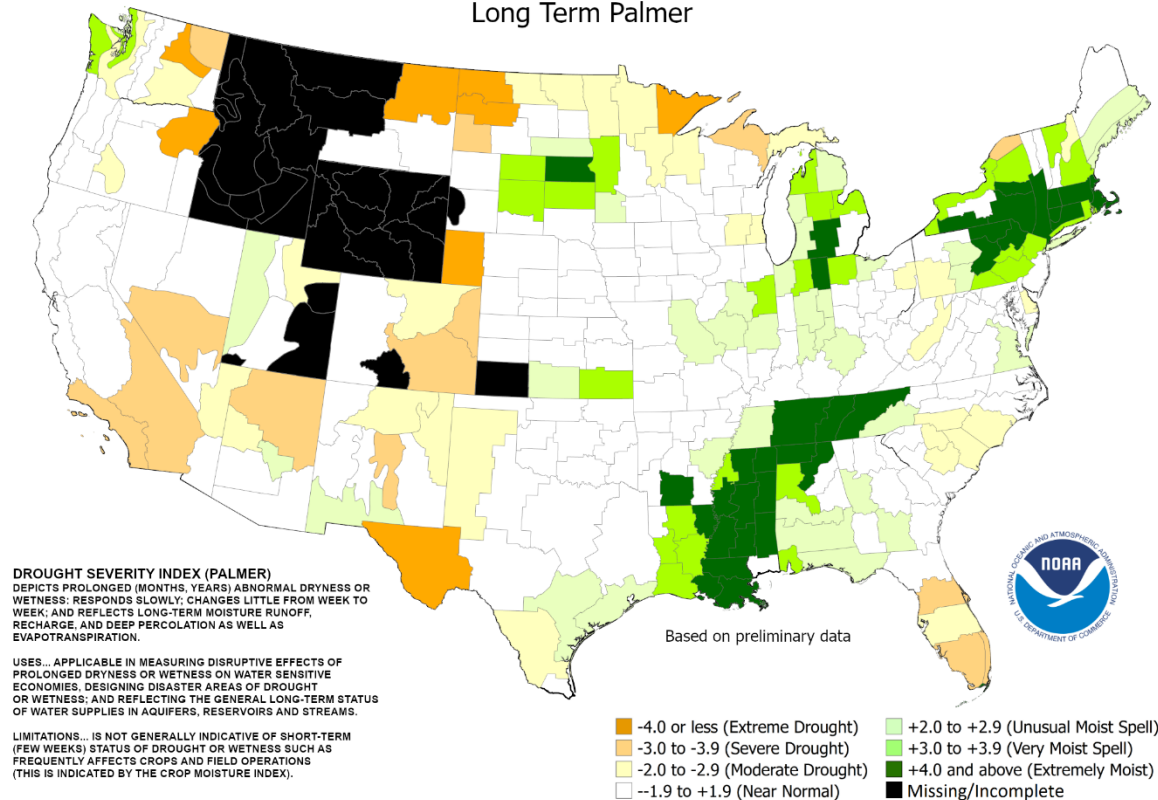
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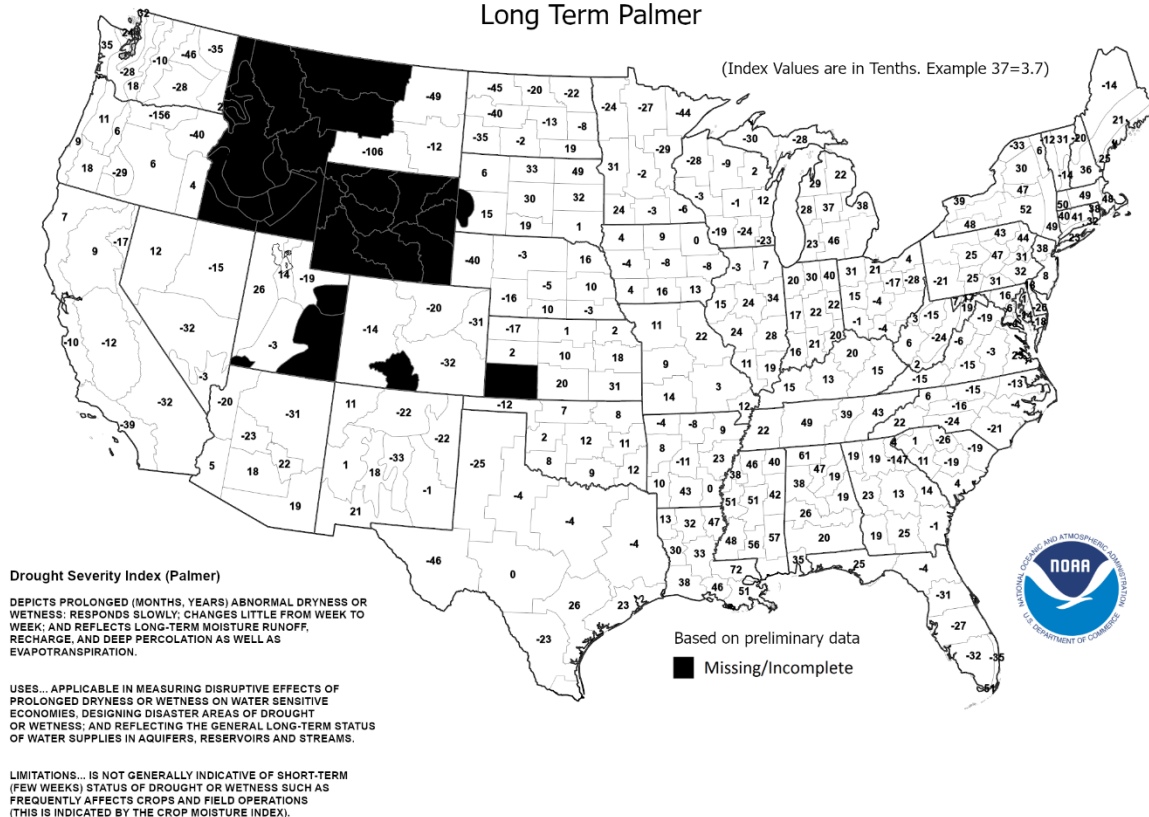
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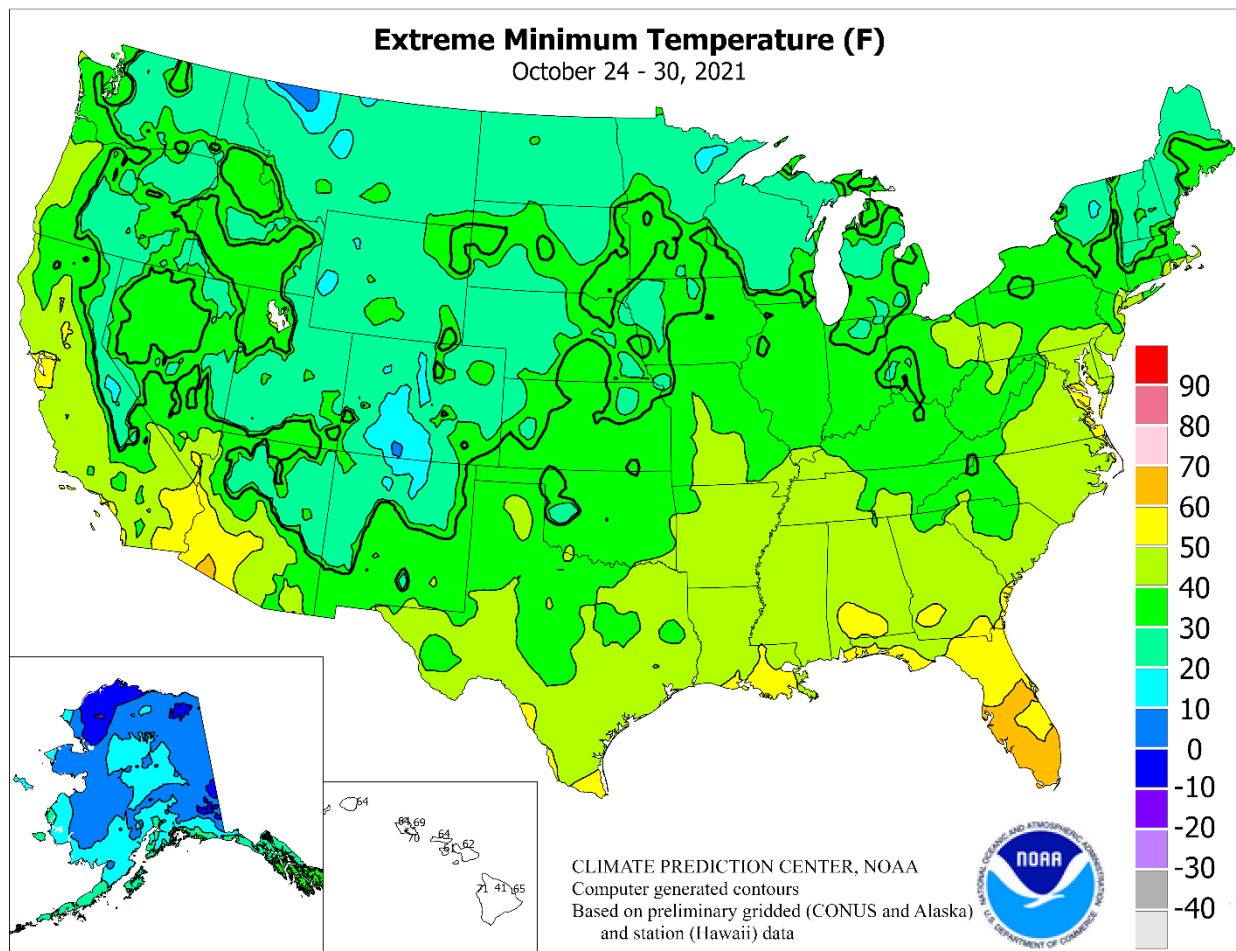
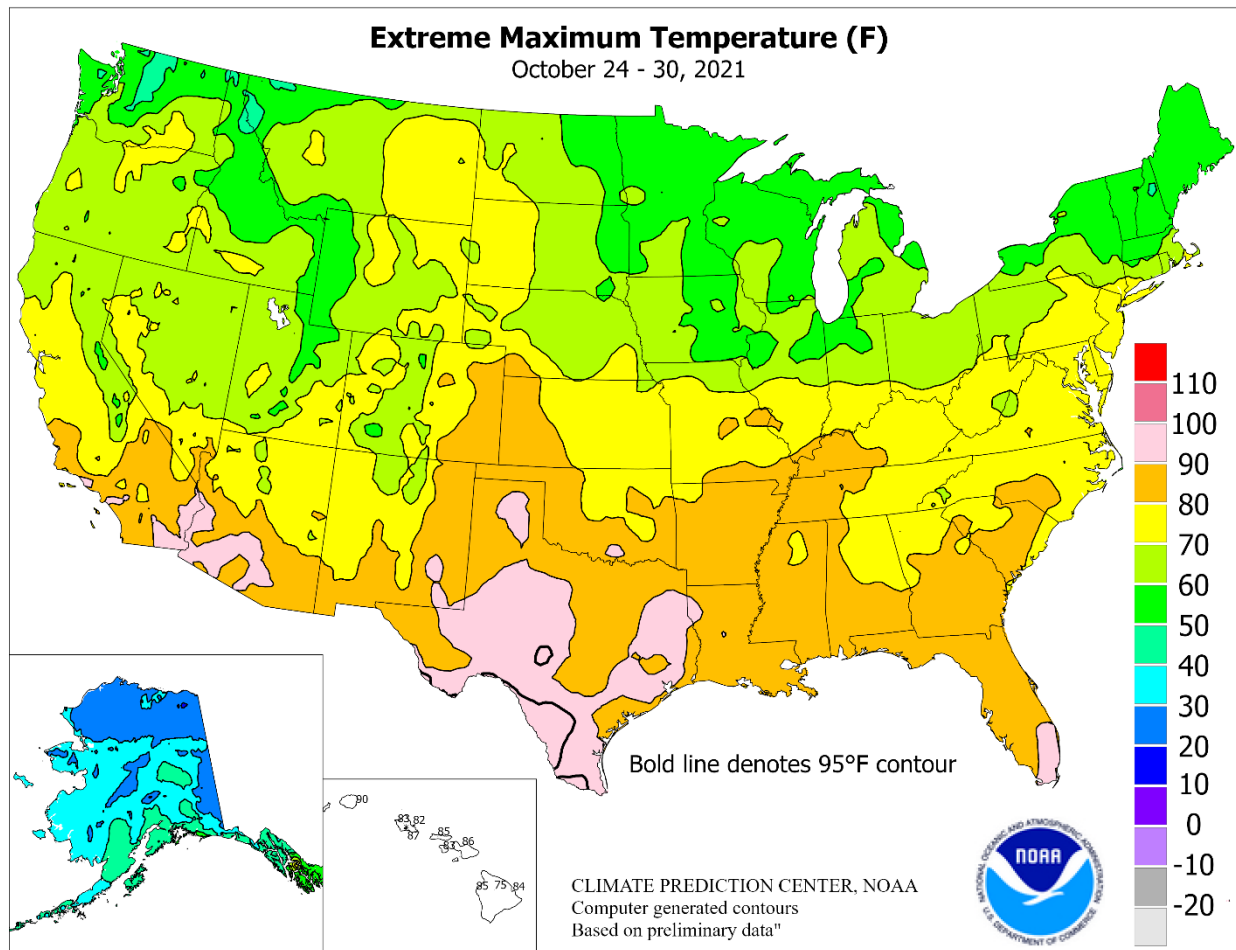


Drought Severity Index by Division Weekly Value for Period Ending Oct 30, 2021 Long Term Palmer



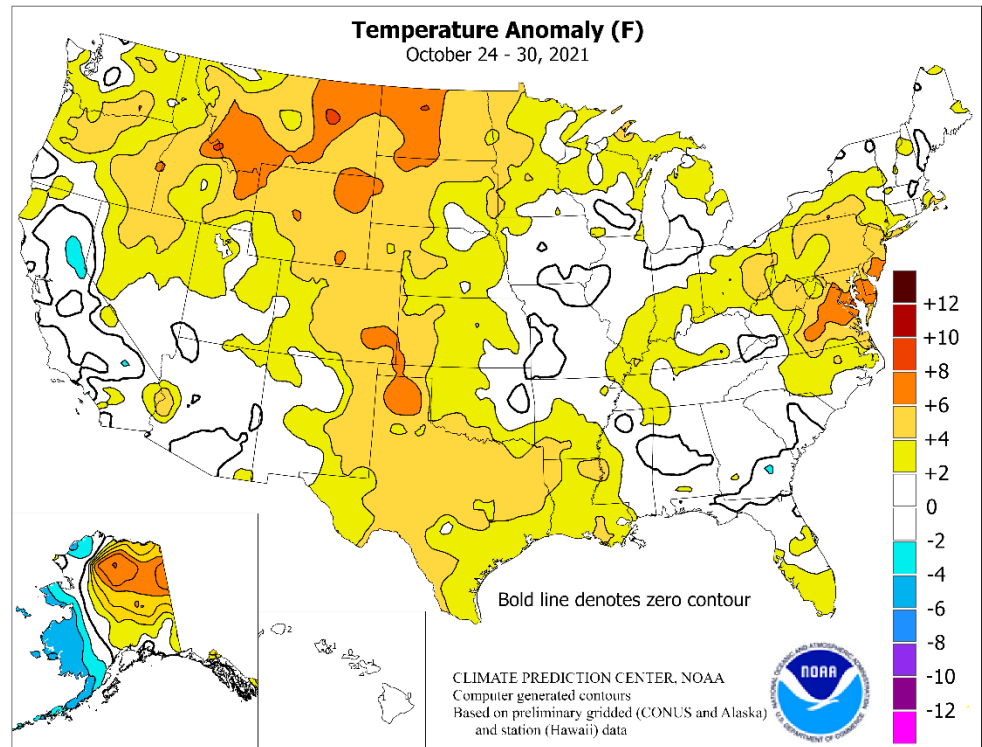
Drought Severity Index by Division Weekly Value for Period Ending Oct 30, 2021 Long Term Palmer





(Continued from front cover)

resulting in pockets of lowland flooding. Back-to-back rounds of high winds, heavy rain, and coastal flooding affected portions of the **middle and northern Atlantic States**. Some rain also fell in the **South**, although higher amounts (2 inches or more) were mostly limited to areas along and near the **Gulf Coast**. However, several areas remained dry, or nearly so, throughout the week. For example, no rain fell in **Deep South Texas** and from the **Desert Southwest to the southern High Plains**, while only light showers dotted the **upper Great Lakes region** and the **northern High Plains**. Meanwhile, near- or above-normal temperatures dominated both wet and dry areas of the country. Warmth was particularly prominent across the **High Plains** and the **Northwest**, where weekly readings broadly averaged at least 5°F above normal. Unusual warmth also prevailed in the **middle Atlantic States**; weekly temperatures averaging 5°F above normal or greater were common. The mild weather kept frost and freezes at bay across the **lower Midwest**, where the growing season typically ends by mid-October. Late in the week, however, colder air began to overspread the **northern Plains** and **Northwest**.



October 24 was the wettest calendar day on record in several **northern California** communities, including **Blue Canyon** (10.40 inches; previously, 9.33 inches on December 22, 1964), **Santa Rosa** (7.83 inches; previously, 5.66 inches on February 26, 2019), and downtown **Sacramento** (5.44 inches; previously, 5.28 inches on April 20, 1880). **Sacramento's** longest dry spell on record, 211 consecutive days (March 20 – October 16) without measurable rain, had just ended the previous week. The **Sacramento Airport** also experienced its wettest day on record, with 5.41 inches (previously, 3.77 inches on October 13, 1962). October daily rainfall records originally set during the same October 1962 storm were broken on October 24 in **California** locations such as **Santa Rosa** (7.83 inches) and **Napa** (5.35 inches). Similarly, October calendar-day rainfall records from October 13, 2009, were eclipsed in many other **California** towns and cities, including **Kentfield** (11.09 inches), **San Francisco's** downtown and airport sites (4.02 inches), and downtown **Oakland** (4.28 inches). **Kentfield's** October rainfall total of 20.37 inches was more than ten times the normal value and smashed the 1962 monthly record of 12.97 inches. In the **western Great Basin**, **Reno, NV**, also experienced its wettest October day (1.88 inches on the 24th) and wettest October (3.14 inches) on record. **Reno's** previous records had been 1.46 inches (on October 13, 1962) and 2.65 inches (in 2010), respectively. **Western** precipitation shifted southward and moved farther inland by October 25, when daily-record totals topped an inch in **Nevada** locations such as **Elko** (1.17 inches), **Ely** (1.05 inches), and **Reno** (1.03 inches). Daily-record amounts for the 25th in **southern California** reached 1.28 inches in **Santa Maria** and 0.96 inch in **Santa Barbara**. Peak wind gusts on October 25 in **western Washington** included 56 mph in **Bellingham**, 51 mph in **Olympia**, and 50 mph in **Seattle**. **Salem and Astoria, OR**, both clocked wind gusts to 57 mph on October 24. In **northern California**, landslides on hillsides scarred by the Dixie Fire closed State Route 70 in **Butte and Plumas Counties**. Meanwhile, locally heavy showers erupted across the **Midwest**. The 24th was the wettest October day on record in **Quincy, IL**, with 4.69 inches (previously, 4.46 inches on October 12, 1969). **Midwestern** daily-record totals for October 24 topped 2 inches in **Des Moines, IA** (2.91 inches), and **Omaha, NE** (2.28 inches). By October 26, heavy rain in the **Northeast** resulted in daily-record totals in several **New York** locations, including **Islip** (4.47 inches), **JFK Airport** (3.24 inches), and **Binghamton** (2.49 inches). The following morning, winds along the **Massachusetts coastline** were clocked to 80 mph or higher in communities such as **Duxbury, Dennis, and Wellfleet**. Elsewhere on the 27th, the former **Western** powerhouse storm reached the **nation's mid-section** and began to produce heavy rain, including daily-record amounts in **Sioux City, IA** (1.70 inches), **Lincoln, NE** (1.62 inches), and **Watertown, SD** (1.41 inches). On October 29-30, storminess

returned across parts of the **East**. On the 29th, the worst tidal flooding since Hurricane Isabel (September 19, 2003) occurred on the **Chesapeake Bay** at **Annapolis, MD**, and the **Potomac River** in **Washington, DC**. The water level on **Solomons Island, MD**, rose to a record high, edging the September 2003 high-water mark by 0.37 foot. On October 30, daily-record rainfall totals included 2.78 inches in **Portland, ME**, and 1.28 inches in **Atlantic City, NJ**.

The last full week of the month began with a warm spell in progress across the **South and East**. Consecutive daily-record highs occurred on October 24-25 in **Shreveport, LA** (90 and 91°F), and **Longview, TX** (90 and 92°F). **Shreveport** tied October 25, 1931, for its third-latest 90-degree reading on record, behind only October 29 and 30, 1937. Meanwhile in the **mid-Atlantic**, daily-record highs for October 25 rose to 80°F in **Baltimore, MD**, and **Washington, DC**. Heat lingered for several days in **Texas**, where record-setting highs for October 26 climbed to 96°F in **Del Rio** and 95°F in **Childress**. **McAllen, TX**, recorded a high of 90°F or greater each day from October 19-28, including a daily-record high of 97°F on the 27th. Farther east, **Miami, FL**, posted consecutive daily-record highs of 90°F on October 27-28. Late in the week, **Northern** temperatures briefly surged in advance of a cold front. In **Montana**, record-setting highs for October 29 included 77°F in **Glasgow** and 74°F in **Helena**. In **Cut Bank, MT**, however, low temperatures dipped to 9 and 2°F, respectively, on October 30-31, following a 3-inch snowfall.

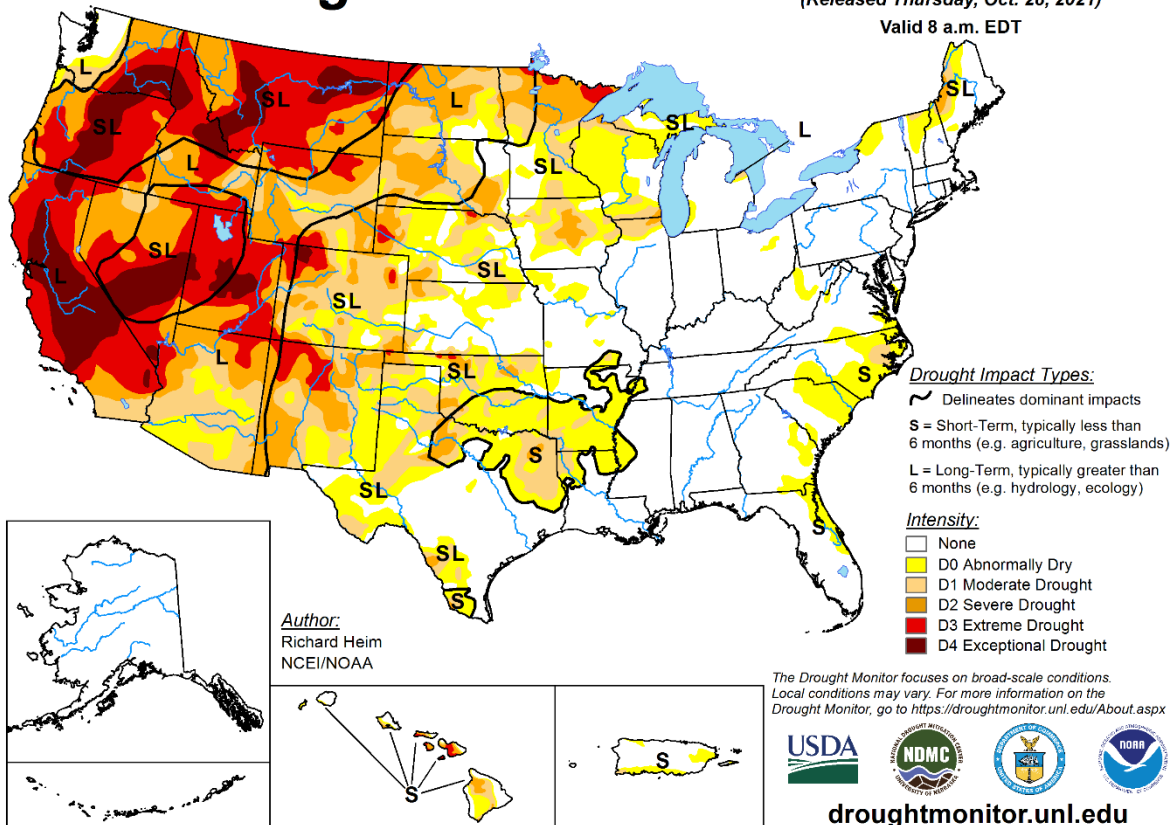
Near- or above-normal temperatures covered **Alaska**, except for colder-than-normal conditions in some western locations. Widespread but generally light precipitation accompanied the mild weather. **Bettles** ended the month with 20.5 inches of snow (170 percent of normal), including 10.4 inches from October 24-30. Although October precipitation was near or above normal in **southeastern Alaskan** locations such as **Ketchikan** (18.72 inches, or 102 percent of normal), **Sitka** (11.91 inches, or 101 percent), and **Juneau** (9.67 inches, or 115 percent), a substantial portion of the rain had fallen during the first half of the month. Farther south, another week of mostly tranquil weather prevailed in **Hawaii**. On the **Big Island, Hilo** collected 7.64 inches from October 1-16, followed by only 1.83 inches during the second half of the month. At the state's other major airport observation sites, October rainfall ranged from 0.05 inch (3 percent of normal) in **Honolulu, Oahu**, to 1.46 inches (45 percent) in **Lihue, Kauai**. On October 30-31, **Lihue** closed the month with consecutive daily-record lows of 64 and 61°F, respectively; the latter reading represented the lowest October temperature in that location since October 17, 2006.

U.S. Drought Monitor

October 26, 2021

(Released Thursday, Oct. 28, 2021)

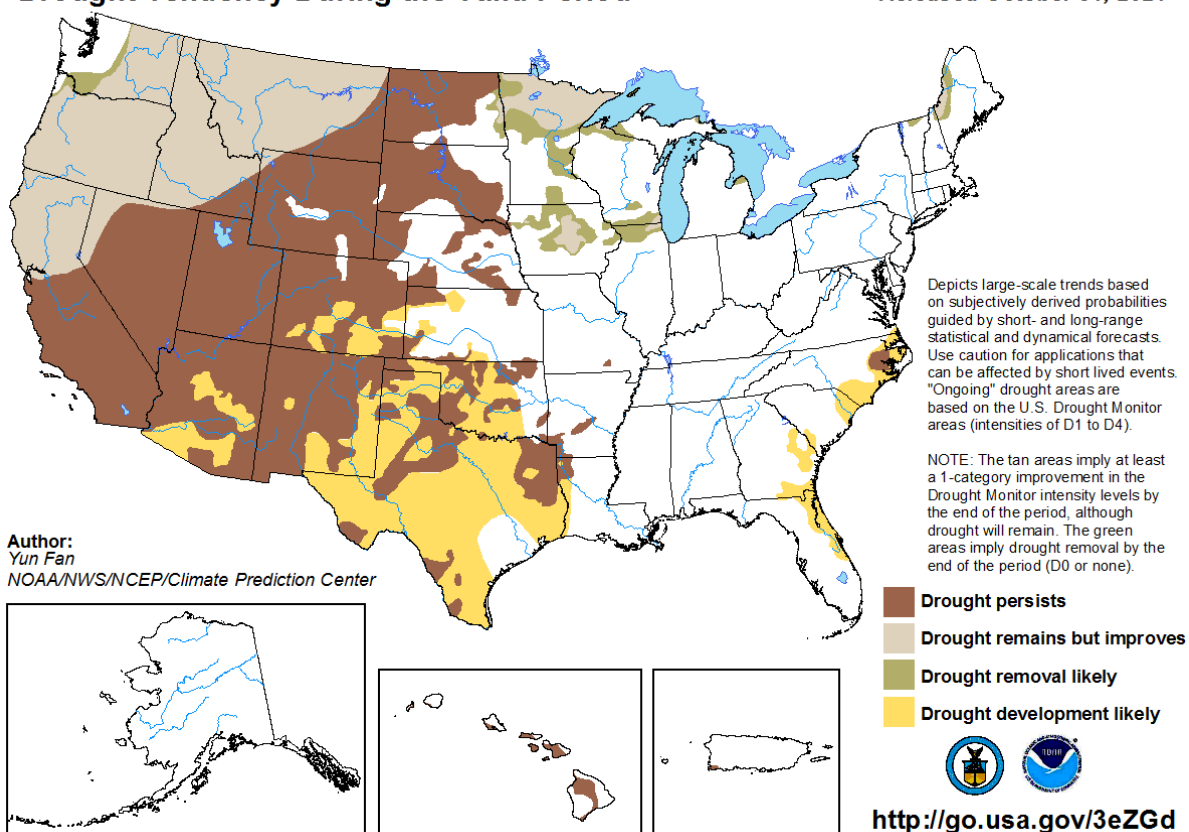
Valid 8 a.m. EDT



U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for November 2021
Released October 31, 2021



National Weather Data for Selected Cities

Weather Data for the Week Ending October 30, 2021

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	39	29	48	24	34	5	0.00	-0.32	0.00	3.26	65	12.68	88	84	59	0	6	0	0
	BARROW	23	8	29	-10	15	5	0.22	0.14	0.10	2.63	225	6.11	138	88	77	0	7	5	0
	FAIRBANKS	31	22	46	19	27	12	0.02	-0.15	0.01	1.68	85	12.20	126	83	71	0	7	2	0
	JUNEAU	44	35	47	28	39	1	0.93	-0.78	0.43	19.15	112	64.57	128	93	77	0	2	7	0
	KODIAK	46	36	50	27	41	3	0.08	-1.69	0.05	3.52	22	47.90	77	81	60	0	2	2	0
AL	NOME	29	15	38	6	22	-2	0.06	-0.26	0.02	3.49	86	18.80	128	84	65	0	7	4	0
	BIRMINGHAM	68	53	76	48	60	0	0.00	-0.78	0.00	9.18	127	61.73	139	91	57	0	0	0	0
	HUNTSVILLE	68	50	79	42	59	0	0.48	-0.38	0.31	9.27	129	56.44	129	94	57	0	0	5	0
	MOBILE	74	57	85	48	65	0	3.20	2.33	3.19	12.26	141	75.57	135	96	54	0	0	2	1
	MONTGOMERY	73	54	84	49	63	1	1.09	0.42	0.73	10.76	158	47.45	109	92	51	0	0	3	1
AR	FORT SMITH	67	52	84	42	59	0	1.35	0.34	1.05	10.78	130	42.52	113	92	56	0	0	3	1
	LITTLE ROCK	69	54	86	48	62	1	1.22	0.06	1.02	4.99	63	35.85	91	89	54	0	0	4	1
AZ	FLAGSTAFF	60	28	68	23	44	1	0.34	-0.01	0.34	2.81	70	20.44	112	88	32	0	7	1	0
	PHOENIX	86	60	93	55	73	1	0.00	-0.13	0.00	1.07	89	5.29	79	44	16	2	0	0	0
CA	PRESCOTT	69	38	76	33	54	1	0.20	0.00	0.19	3.05	125	11.57	95	80	24	0	0	2	0
	TUCSON	85	51	93	44	68	1	0.00	-0.16	0.00	0.73	33	11.71	114	50	12	2	0	0	0
	BAKERSFIELD	73	54	78	50	63	1	0.91	0.79	0.91	0.94	228	2.91	59	87	46	0	0	1	1
	EUREKA	60	51	63	49	56	2	1.70	0.95	0.87	4.46	164	18.25	68	96	86	0	0	5	1
	FRESNO	72	53	78	47	63	1	0.86	0.64	0.86	1.26	152	6.37	72	89	49	0	0	1	1
	LOS ANGELES	72	57	84	52	64	0	0.39	0.20	0.39	0.46	58	3.80	39	90	42	0	0	1	0
	REDDING	67	53	78	49	60	1	3.32	2.62	2.98	6.09	231	15.28	65	95	58	0	0	4	1
	SACRAMENTO	68	52	73	50	60	0	6.05	5.74	5.32	6.76	543	11.25	85	99	63	0	0	2	2
	SAN DIEGO	73	58	84	54	66	1	0.21	0.05	0.21	1.48	202	5.22	66	83	51	0	0	1	0
	SAN FRANCISCO	68	56	75	54	62	2	4.50	4.17	3.91	5.78	522	11.21	78	91	64	0	0	2	2
CO	STOCKTON	69	50	75	45	59	-1	3.48	3.20	2.15	3.85	346	9.76	95	100	59	0	0	2	2
	ALAMOSA	62	24	74	12	43	5	0.04	-0.08	0.04	0.65	42	5.50	83	75	21	0	4	1	0
	CO SPRINGS	67	37	78	34	52	6	0.21	0.05	0.21	1.19	58	14.38	90	70	17	0	0	1	0
	DENVER INTL	69	35	82	32	52	6	0.03	-0.17	0.03	0.37	18	11.27	83	73	18	0	1	1	0
	GRAND JUNCTION	64	36	77	31	50	2	0.54	0.31	0.50	3.22	144	7.39	89	87	36	0	2	2	0
CT	PUEBLO	72	34	77	27	53	5	0.00	-0.14	0.00	1.08	72	16.03	135	65	16	0	4	0	0
	BRIDGEPORT	62	48	71	43	55	4	4.17	3.39	2.91	13.27	190	41.52	115	91	68	0	0	6	2
DC	HARTFORD	57	42	61	34	49	1	2.03	1.13	0.94	11.05	135	49.15	128	99	73	0	0	6	2
	WASHINGTON	69	55	80	52	62	6	2.85	2.08	1.66	7.30	104	40.74	122	86	57	0	0	3	2
DE	WILMINGTON	67	50	78	44	59	6	1.72	1.02	0.66	14.39	189	39.66	109	96	59	0	0	6	2
	DAYTONA BEACH	83	64	87	58	73	2	1.11	0.42	0.88	5.85	52	36.71	83	94	53	0	0	4	1
FL	JACKSONVILLE	77	57	83	50	67	0	1.85	1.31	1.53	8.96	74	46.18	97	98	59	0	0	2	1
	KEY WEST	86	78	87	76	82	3	1.58	0.69	1.10	5.79	50	25.63	72	88	69	0	0	5	1
	MIAMI	87	75	90	70	81	3	0.72	-0.31	0.39	15.95	99	50.42	89	94	60	2	0	4	0
	ORLANDO	84	68	89	62	76	3	2.34	1.81	1.24	8.82	95	38.64	84	93	53	0	0	5	2
	PENSACOLA	76	60	87	53	68	2	1.93	0.76	1.61	24.22	219	84.65	151	90	50	0	0	3	1
	TALLAHASSEE	77	55	86	47	66	0	2.06	1.40	1.72	13.49	172	46.34	89	96	49	0	0	2	1
	TAMPA	84	71	87	62	77	4	1.24	0.86	0.55	8.65	101	44.57	105	87	57	0	0	5	1
	WEST PALM BEACH	86	72	90	65	79	3	0.63	-0.43	0.57	15.54	116	42.80	79	93	58	1	0	3	1
	ATHENS	61	35	81	1	48	-12	0.64	-0.06	0.60	8.44	114	44.06	114	89	55	0	2	2	1
	ATLANTA	68	52	80	46	60	0	0.33	-0.35	0.24	7.08	91	46.06	110	89	55	0	0	3	0
GA	AUGUSTA	74	50	83	39	62	1	0.65	0.07	0.58	7.99	125	48.51	130	92	49	0	0	2	1
	COLUMBUS	72	53	79	48	62	-1	0.84	0.28	0.81	14.76	267	51.68	135	89	48	0	0	3	1
	MACON	74	51	83	45	62	1	0.85	0.26	0.85	11.12	177	45.15	118	92	51	0	0	1	1
	SAVANNAH	73	54	80	50	63	-1	1.45	0.87	0.82	12.08	147	44.73	105	98	60	0	0	3	2
	HILO	83	67	84	65	75	0	0.37	-2.15	0.36	18.16	94	106.07	106	86	58	0	0	2	0
HI	HONOLULU	86	73	87	70	80	0	0.03	-0.49	0.02	0.18	7	9.78	85	79	47	0	0	2	0
	KAHULUI	86	66	86	62	76	-1	0.00	-0.35	0.00	0.63	39	15.18	122	86	53	0	0	0	0
	LIHUE	81	70	90	64	76	-2	0.40	-0.61	0.19	3.00	51	26.10	96	96	67	1	0	4	0
	BURLINGTON	55	43	58	36	49	-3	2.61	1.95	2.14	7.18	110	36.75	108	96	70	0	0	4	1
	CEDAR RAPIDS	53	40	59	34	47	0	2.50	1.94	1.79	7.57	133	19.93	64	98	67	0	0	4	1
IA	DES MOINES	54	42	61	35	48	-1	4.43	3.84	2.89	7.07	126	25.04	77	94	62	0	0	5	3
	DUBUQUE	54	41	60	34	47	1	2.15	1.54	0.79	5.54	92	26.70	83	96	60	0	0	3	3
	SIOUX CITY	58	38	68	29	48	2	2.28	1.91	1.70	5.17	102	21.36	83	92	53	0	1	3	2
	WATERLOO	55	40	61	32	47	1	1.91	1.39	1.41	5.05	100	21.72	69	87	60	0	1	4	1
	BOISE	60	45	71	40	53	4	0.90	0.68	0.46	2.13	162	9.27	103	86	52	0	0	3	0
ID	LEWISTON	60	45	71	35	52	4	0.47	0.22	0.23	1.44	89	4.89	47	85	52	0	0	3	0
	POCATELLO	59	38	65	34	49	6	0.74	0.53	0.61	2.57	147	8.96	90	86	49	0	0	3	1
	CHICAGO/O_HARE	56	44	59	38	50	1	3.59	2.85	1.84	6.96	112	25.96	83	92	68	0	0	5	3
	MOLINE	57	42	60	32	49	0	2.44	1.76	1.68	5.79	98	32.44	97	93	62	0	1	4	1
	PEORIA	57	45	62	37	51	1	5.40	4.72	3.95	10.52	179	41.21	134	89	64	0	0	4	2
IL	ROCKFORD	56	40	60	35	48	0	1.81	1.21	0.85	5.77	97	20.97	66	91	60	0	0	4	1
	SPRINGFIELD	59	45	71	37	52	1	3.25	2.52	2.14	9.65	163	42.57	135	94	68	0	0	5	2
	EVANSVILLE	64	49	80	39	56	2	2.20	1.43	1.28	8.08	131	39.13	105	96	62	0	0	5	2
	FORT WAYNE	56	43	61	32	49	0	2.8												

Weather Data for the Week Ending October 30, 2021

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 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	
KY	WICHITA	67	45	77	33	56	2	1.81	1.30	1.70	7.98	136	29.62	99	87	51	0	0	3	1	
	LEXINGTON	61	45	75	32	53	-1	1.62	0.89	0.56	9.61	163	49.89	132	96	66	0	1	5	1	
	LOUISVILLE	65	50	80	40	57	1	1.38	0.67	0.47	8.57	139	41.97	112	94	58	0	0	5	0	
LA	PADUCAH	67	51	83	44	59	3	0.88	0.04	0.54	6.57	86	41.65	103	91	54	0	0	3	1	
	BATON ROUGE	77	59	86	48	68	-2	1.46	0.48	1.32	10.00	101	73.00	141	95	57	0	0	2	1	
	LAKE CHARLES	80	61	86	48	70	3	1.08	-0.13	1.07	10.41	104	66.24	137	92	50	0	0	2	1	
MA	NEW ORLEANS	78	64	87	53	71	3	0.98	0.15	0.98	11.80	141	79.02	150	88	52	0	0	1	1	
	SHREVEPORT	78	58	91	46	68	5	1.14	-0.04	1.14	4.06	50	41.10	97	79	38	2	0	1	1	
	BOSTON	55	47	60	41	51	1	2.83	1.94	1.04	11.71	162	45.48	127	93	72	0	0	5	3	
MD	WORCESTER	51	41	56	36	46	0	3.94	2.93	1.83	14.29	168	51.56	129	97	76	0	0	6	2	
	BALTIMORE	68	52	80	47	60	8	5.00	4.26	3.02	11.26	155	38.17	109	92	57	0	0	3	2	
	CARIBOU	51	34	59	28	42	3	0.02	-0.78	0.02	7.76	116	29.06	92	86	52	0	3	1	0	
ME	PORTLAND	52	40	56	32	46	1	4.57	3.44	3.15	10.26	122	35.70	93	96	68	0	1	4	2	
	ALPENA	53	38	58	31	46	3	0.00	-0.54	0.00	4.81	88	22.87	94	90	64	0	1	0	0	
	GRAND RAPIDS	53	40	61	31	46	-1	2.08	1.35	0.88	9.65	129	32.62	101	99	75	0	2	4	2	
MI	HOUGHTON LAKE	52	43	60	37	47	6	0.21	-0.26	0.20	5.95	110	24.91	102	89	65	0	0	2	0	
	LANSING	53	41	63	31	47	1	2.28	1.72	1.06	8.56	144	30.78	114	94	73	0	1	4	3	
	MUSKEGON	56	40	63	30	48	1	1.07	0.35	0.50	5.04	73	26.44	96	91	62	0	1	4	1	
MN	TRAVERSE CITY	55	40	67	32	48	3	0.00	-0.72	0.00	4.31	65	24.65	89	89	57	0	1	0	0	
	DULUTH	49	35	55	26	42	3	0.37	-0.17	0.19	5.56	80	20.80	75	93	68	0	1	4	0	
	INT_L FALLS	49	33	54	25	41	5	0.87	0.47	0.46	5.99	120	16.23	74	93	59	0	4	3	0	
MO	MINNEAPOLIS	54	40	59	35	47	3	0.85	0.42	0.54	3.36	62	22.93	83	86	52	0	0	2	1	
	ROCHESTER	52	38	57	32	45	0	0.72	0.29	0.67	3.20	57	23.93	80	90	59	0	1	3	1	
	ST. CLOUD	53	36	59	30	44	3	1.46	1.03	0.80	6.63	112	22.78	89	92	51	0	3	2	2	
MS	COLUMBIA	61	46	77	38	53	1	1.52	0.85	0.82	9.20	130	46.98	127	92	65	0	0	4	1	
	KANSAS CITY	60	45	76	37	53	0	1.85	1.24	1.06	6.89	89	38.36	109	93	66	0	0	4	1	
	SAINT LOUIS	63	48	81	40	56	0	0.69	-0.05	0.59	5.63	89	37.35	109	85	59	0	0	2	1	
MT	SPRINGFIELD	60	46	79	41	53	-1	1.36	0.56	0.57	8.42	104	44.09	115	97	70	0	0	4	2	
	JACKSON	72	55	85	45	64	2	1.10	0.20	1.07	3.50	51	44.28	100	91	51	0	0	3	1	
	MERIDIAN	71	53	84	46	62	1	1.00	0.11	0.74	9.30	132	63.40	137	92	59	0	0	3	1	
NC	TUPELO	70	53	82	47	62	2	1.04	0.13	0.54	5.41	72	63.26	144	87	53	0	0	4	1	
	BILLINGS	60	40	70	32	50	6	0.43	0.22	0.27	1.47	59	8.74	69	76	34	0	1	2	0	
	BUTTE	52	30	65	22	41	4	0.27	0.12	0.27	0.63	35	5.55	47	80	39	0	4	1	0	
ND	CUT BANK	50	29	57	9	40	1	0.30	0.22	0.25	0.44	25	5.07	48	80	46	0	4	2	0	
	GLASGOW	58	35	77	24	47	7	0.13	0.00	0.04	0.31	18	4.96	45	89	43	0	3	4	0	
	GREAT FALLS	56	34	70	21	45	4	0.09	-0.07	0.04	0.34	15	10.04	73	79	39	0	2	3	0	
NE	HAVRE	58	32	65	21	45	5	0.59	0.47	0.34	0.68	39	6.40	60	86	35	0	4	3	0	
	MISSOULA	55	37	67	30	46	5	0.44	0.22	0.28	1.48	72	8.83	72	93	51	0	2	5	0	
	ASHEVILLE	62	43	73	41	53	0	0.68	0.04	0.38	7.97	120	52.44	137	97	56	0	0	4	0	
OH	CHARLOTTE	71	48	82	39	60	3	0.34	-0.33	0.33	3.80	58	31.94	91	94	49	0	0	2	0	
	GREENSBORO	69	49	76	42	59	3	1.39	0.69	0.73	6.31	88	36.92	103	93	54	0	0	3	2	
	HATTERAS	73	60	78	54	67	4	0.68	-0.52	0.41	12.07	105	55.91	114	93	59	0	0	5	0	
OR	RALEIGH	72	50	79	46	61	3	1.88	1.19	1.02	10.31	137	41.21	111	99	55	0	0	3	2	
	WILMINGTON	75	53	80	49	64	2	0.48	-0.16	0.20	11.55	99	56.67	112	94	53	0	0	4	0	
	BISMARCK	55	36	66	27	45	6	0.35	0.09	0.21	4.34	154	10.96	65	91	52	0	2	3	0	
PA	DICKINSON	54	35	74	28	44	5	0.03	-0.20	0.03	3.19	117	12.72	84	88	51	0	2	1	0	
	FARGO	53	35	58	28	44	3	0.73	0.35	0.73	6.02	129	15.72	76	87	52	0	4	1	1	
	GRAND FORKS	52	32	57	25	42	4	0.68	0.31	0.68	4.86	122	16.68	86	88	51	0	5	1	1	
RI	JAMESTOWN	52	36	61	27	44	5	0.48	0.19	0.30	3.75	106	10.81	61	89	57	0	1	2	0	
	GRAND ISLAND	58	42	68	37	50	3	1.12	0.77	0.95	3.46	85	25.99	104	84	60	0	0	3	1	
	LINCOLN	60	41	73	29	51	2	3.10	2.72	1.58	4.64	94	25.22	95	89	56	0	1	3	2	
SD	NORFOLK	57	40	64	33	49	2	1.64	1.28	1.31	3.78	80	24.30	96	86	53	0	0	3	1	
	NORTH PLATTE	64	35	69	27	49	5	0.31	0.03	0.31	2.81	95	21.57	112	87	41	0	3	1	0	
	OMAHA	59	42	70	33	51	2	3.61	3.17	2.28	7.05	148	31.63	113	95	58	0	0	3	2	
TN	SCOTTSBLUFF	63	35	72	27	49	4	0.16	-0.06	0.16	1.84	80	9.23	63	84	36	0	2	1	0	
	VALENTINE	59	38	70	27	49	5	0.30	0.07	0.26	4.96	172	20.50	108	83	46	0	1	2	0	
	CONCORD	54	37	57	27	46	1	1.91	1.02	1.14	6.67	91	35.12	105	93	61	0	3	4	1	
TX	ATLANTIC_CITY	67	52	76	45	59	6	4.33	3.55	1.54	8.81	137	43.94	127	99	65	0	0	5	3	
	NEWARK	66	52	78	45	59	6	4.45	3.67	3.48	15.07	207	51.40	133	88	55	0	0	6	1	
	ALBUQUERQUE	70	42	78	39	56	3	0.01	-0.16	0.01	1.17	55	5.04	59	51	18	0	0	1	0	
UT	ELY	57	31	65	29	44	3	1.06	0.83	1.05	1.44	77	6.06	69	92	43	0	6	2	1	
	LAS VEGAS	77	56	81	51	67	2	0.01	-0.08	0.01	0.19	31	1.33	36	50	22	0	0	1	0	
	RENO	62	39	73	32	50	1	2.87	2.75	1.65	3.16	356	4.91	85	91	42	0	1	2	2	
VT	WINNEMUCCA	59	39	70	35	49	5	1.99	1.83	1.16	2.97	268	7.80	117	91	52	0	0	2	2	
	ALBANY	56	41	61	34	49	3	2.66	1.87	1.41	12.07	177	39.10	119	97	67	0	0	6	2	
	BINGHAMTON	56	42	69	35	49	4	3.76	3.03	2.46	9.54	150	44.10	136	100	68	0	0	5	2	
WA	BUFFALO	55	43	60	38	49	2	2.24	1.48	1.00	11.02	151	31.31	96	94	71	0	0	6	2	
	ROCHESTER	55	42	58	34	48	1	4.12	3.52	1.79	10.48	1									

Weather Data for the Week Ending October 30, 2021

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	55	44	65	34	50	1	3.12	2.56	1.17	13.46	255	37.24	130	89	69	0	0	5	3	
	YOUNGSTOWN	58	44	66	36	51	3	2.24	1.63	1.13	7.36	115	39.37	121	97	76	0	0	7	2	
	OKLAHOMA CITY	71	48	79	34	60	1	0.55	-0.23	0.31	4.22	55	27.83	85	78	37	0	0	2	0	
OR	TULSA	68	48	80	38	58	-1	1.23	0.36	0.98	6.31	78	34.09	96	91	53	0	0	3	1	
	ASTORIA	58	46	60	38	52	2	4.17	2.39	1.12	12.19	155	50.44	109	92	68	0	0	6	4	
	BURNS	57	36	70	32	47	6	0.70	0.47	0.57	1.82	147	7.46	89	93	49	0	1	4	1	
PA	EUGENE	61	49	72	43	55	5	0.93	-0.15	0.22	5.21	119	19.61	64	94	68	0	0	7	0	
	MEDFORD	62	48	73	39	55	4	0.96	0.58	0.75	4.13	250	10.50	88	99	62	0	0	5	1	
	PENDLETON	61	43	76	31	52	4	0.39	0.10	0.18	1.62	104	5.87	60	88	45	0	1	4	0	
	PORTLAND	62	50	69	41	56	4	1.00	0.08	0.45	7.39	170	22.03	89	86	55	0	0	5	0	
	SALEM	62	50	70	43	56	6	0.78	-0.18	0.24	5.37	128	24.42	93	91	61	0	0	6	0	
	ALLENTOWN	63	46	75	36	55	6	3.04	2.29	0.85	8.80	104	37.44	98	93	59	0	0	6	4	
	ERIE	59	45	65	37	52	2	2.86	2.02	1.38	9.47	110	33.86	98	88	65	0	0	6	2	
	MIDDLETOWN	65	48	76	43	57	6	2.04	1.39	1.43	13.80	190	43.34	127	88	57	0	0	4	2	
	PHILADELPHIA	67	51	78	46	59	5	2.12	1.46	1.09	9.24	135	41.08	118	94	58	0	0	5	2	
	PITTSBURGH	59	46	68	44	53	3	2.07	1.53	1.17	7.41	139	33.61	105	99	72	0	0	6	1	
RI	WILKES-BARRE	62	45	74	38	54	6	2.55	1.87	1.48	13.20	202	40.32	128	96	64	0	0	6	1	
	WILLIAMSPORT	61	46	70	39	53	5	2.33	1.59	1.52	13.41	179	40.39	117	93	64	0	0	5	1	
	PROVIDENCE	58	47	65	41	53	2	3.20	2.28	1.42	10.32	134	41.78	109	95	72	0	0	5	3	
SC	CHARLESTON	73	53	80	44	63	-1	0.86	0.21	0.59	11.07	113	52.80	116	96	55	0	0	2	1	
	COLUMBIA	71	49	80	40	60	-1	0.58	-0.03	0.44	5.53	83	43.26	112	94	54	0	0	3	0	
	FLORENCE	74	51	84	43	62	1	0.65	0.08	0.38	3.22	48	38.50	104	87	46	0	0	3	0	
SD	GREENVILLE	68	46	79	38	57	-1	1.03	0.30	0.98	6.03	89	39.22	100	88	51	0	0	2	1	
	ABERDEEN	54	36	62	25	45	5	1.14	0.80	0.96	6.37	153	17.84	87	89	58	0	1	2	1	
	HURON	55	36	61	29	45	2	2.39	2.06	1.36	7.91	188	18.22	84	90	58	0	3	3	2	
TN	RAPID CITY	60	35	73	31	47	4	0.00	-0.25	0.00	3.41	127	14.95	97	90	45	0	2	0	0	
	SIOUX FALLS	56	40	61	32	48	5	1.18	0.81	1.15	5.48	112	25.13	103	86	54	0	1	2	1	
	BRISTOL	65	42	78	32	54	1	1.45	0.93	0.74	5.65	113	37.07	108	95	53	0	1	4	1	
TX	CHATTANOOGA	65	50	77	44	57	-1	0.54	-0.21	0.34	11.33	157	56.99	134	92	57	0	0	4	0	
	KNOXVILLE	64	45	75	39	55	-2	0.45	-0.17	0.24	5.87	103	40.99	104	99	64	0	0	4	0	
	MEMPHIS	68	53	83	47	60	0	1.72	0.76	0.67	6.71	97	45.59	107	93	59	0	0	4	1	
	NASHVILLE	67	52	81	44	59	3	1.34	0.63	0.74	8.58	136	52.70	136	85	54	0	0	4	1	
	ABILENE	82	53	92	42	67	5	0.67	0.06	0.59	4.07	79	20.42	92	72	24	2	0	2	1	
	AMARILLO	77	47	90	38	62	7	0.00	-0.30	0.00	1.29	36	14.36	76	61	17	1	0	0	0	
	AUSTIN	82	61	90	51	72	4	0.76	-0.07	0.76	7.05	116	31.70	112	76	35	1	0	1	1	
	BEAUMONT	81	59	90	46	70	2	1.87	0.67	1.86	15.75	138	61.65	121	95	51	1	0	2	1	
	BROWNSVILLE	90	66	94	55	78	4	0.00	-0.64	0.00	13.70	143	31.43	128	87	37	4	0	0	0	
	CORPUS CHRISTI	85	62	89	47	73	1	0.07	-0.67	0.07	12.05	141	42.08	151	90	40	0	0	1	0	
UT	DEL RIO	90	61	96	49	75	7	0.00	-0.31	0.00	0.33	7	13.33	75	69	25	4	0	0	0	
	EL PASO	79	50	88	42	64	3	0.00	-0.13	0.00	0.57	27	11.20	130	38	14	0	0	0	0	
	FORT WORTH	80	59	87	45	69	5	0.75	-0.28	0.75	4.17	63	29.50	96	72	33	0	0	1	1	
	GALVESTON	82	68	87	55	75	4	0.00	0.00	0.00	11.09	0	39.48	0	71	46	0	0	0	0	
	HOUSTON	83	62	91	47	72	4	0.78	-0.52	0.78	11.83	122	44.20	106	79	37	1	0	1	1	
	LUBBOCK	80	46	90	37	63	5	0.00	-0.35	0.00	1.20	27	19.54	111	61	15	1	0	0	0	
	MIDLAND	82	49	93	41	66	5	0.00	-0.27	0.00	0.16	4	13.59	102	58	13	2	0	0	0	
	SAN ANGELO	83	50	95	40	67	4	0.50	-0.04	0.46	3.00	58	21.91	114	84	22	2	0	2	0	
	SAN ANTONIO	81	59	88	46	70	2	0.98	0.17	0.98	9.05	129	31.47	112	86	40	0	0	1	1	
	VICTORIA	84	60	90	44	72	3	0.71	-0.25	0.71	5.67	65	52.02	146	87	36	1	0	1	1	
VA	WACO	82	56	89	38	69	4	0.82	0.01	0.82	4.71	69	27.60	95	84	37	0	0	1	1	
	WICHITA FALLS	79	52	89	39	65	4	1.37	0.69	0.75	2.84	49	24.46	96	79	28	0	0	2	2	
	SALT LAKE CITY	62	41	68	38	51	3	1.24	0.86	0.81	3.52	129	12.77	96	88	41	0	0	3	1	
WY	LYNCHBURG	71	50	80	45	60	7	2.60	1.89	1.47	5.39	78	31.10	89	91	48	0	0	4	2	
	NORFOLK	71	55	77	51	63	5	1.63	0.86	0.87	4.67	58	34.14	85	96	57	0	0	4	2	
	RICHMOND	72	53	78	49	62	6	3.09	2.39	1.46	11.34	161	45.18	122	96	55	0	0	3	2	
	ROANOKE	68	49	79	44	59	4	1.87	1.19	1.22	7.93	118	35.81	103	89	51	0	0	4	1	
	WASH/DULLES	68	52	80	44	60	7	3.78	3.04	2.42	8.90	126	32.98	94	94	59	0	0	5	2	
	BURLINGTON	55	38	58	31	47	2	1.33	0.57	0.46	6.90	97	27.31	87	94	59	0	2	3	0	
	OLYMPIA	56	45	60	30	50	3	2.68	1.27	1.24	7.71	126	35.80	106	95	69	0	1	5	2	
	QUILLAYUTE	54	44	56	40	49	2	6.82	3.86	2.61	28.98	209	72.63	102	97	77	0	0	5	4	
	SEATTLE-TACOMA	56	46	60	39	51	1	3.46	2.39	1.74	8.62	179	28.43	112	94	63	0	0	6	2	
	SPOKANE	53	39	62	30	46	3	0.80	0.41	0.34	2.35	130	7.26	60	88	54	0	1	5	0	
WI	YAKIMA	60	39	71	32	50	5	0.48	0.32	0.46	1.22	131	3.96	67	95	47	0	1	2	0	
	EAU CLAIRE	54	37	59	27	46	3	0.04	-0.38	0.02	3.41	57	21.02	74	90	52	0	2	2	0	
	GREEN BAY	55	38	60	28	46	3	0.08	-0.44	0.05	2.28	42	25.83	100	90	59	0	2	2	0	
WV	LA CROSSE	56	39	62	32	48	2	0.42	-0.02	0.40	2.49	44	32.53	109	89	51	0	1	2	0	
	MADISON	54	36	58	30	45	0	0.50	-0.05	0.23	4.14	76	20.49	67	95	62	0	3	3	0	
	MILWAUKEE	57	47	59	38	52	4	2.23	1.63	0.78	5.27	92	16.81	56	82	62	0	0	4	3	
WY	BECKLEY	59	43	75	33	51	1	1.40	0.78	0.53											

National Agricultural Summary

October 25 – 31, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

During the last week of October, much of the nation recorded higher-than-normal amounts of precipitation. More than twice the normal weekly precipitation fell in much of California, Nevada, the Great Lakes, Great Plains, mid Atlantic, Northeast, Southeast, and northern Rockies. Some locations

in northern California and Washington recorded more than 6 inches of rain during the week. Meanwhile, most of the nation was warmer than normal. Parts of the Great Plains, mid Atlantic, Pacific Northwest, and Rockies recorded temperatures 6°F or more above normal.

Corn: Seventy-four percent of the 2021 corn acreage was harvested by week's end, 7 percentage points behind last year but 8 points ahead of the 5-year average harvest pace. During the week, harvest progress advanced 10 percentage points or more in eight of the 18 estimating states.

Soybean: Soybean harvest across the nation was 79 percent complete by week's end, 7 percentage points behind last year and 2 points behind the 5-year average. During the week, harvest progress advanced 10 percentage points or more in eight of the 18 estimating states.

Winter Wheat: Nationwide, producers had sown 87 percent of the intended 2022 winter wheat acreage by October 31, one percentage point behind last year but 1 point ahead of the 5-year average. Planting progress advanced by 10 percentage points or more during the week in Arkansas, California, North Carolina, Oklahoma, and Oregon. Nationwide, 67 percent of the winter wheat acreage had emerged by October 31, three percentage points behind last year and 1 point behind average. Winter wheat emergence advanced by 10 percentage points or more during the week in 13 of the 18 estimating states. As of October 31, forty-five percent of the 2022 winter wheat acreage was reported in good to excellent condition, 1 percentage point below the previous week but 2 points above the same time last year.

Cotton: By October 31, ninety-four percent of the nation's cotton had open bolls, 4 percentage points behind last year and 1 point behind the 5-year average. By October 31, forty-five percent of the nation's cotton acreage had been harvested,

6 percentage points behind last year and 3 points behind average. Cotton harvest advanced 15 percentage points or more during the week in Arkansas, California, Mississippi, and Tennessee. On October 31, sixty-two percent of the 2021 cotton acreage was rated in good to excellent condition, 2 percentage points below the previous week but 25 points above the same time last year.

Sorghum: Eighty percent of the 2021 sorghum acreage had been harvested by October 31, one percentage point behind last year but 10 points ahead of the 5-year average. Sorghum harvest advanced 10 percentage points or more during the week in Colorado, Kansas, and Oklahoma.

Other Crops: Sixty-seven percent of the nation's peanut acreage was harvested as of October 31, two percentage points ahead of last year but 7 points behind the 5-year average. Harvest progress advanced 15 percentage points or more during the week in six of the eight estimating states.

By October 31, sugarbeet producers had harvested 87 percent of the nation's crop, 7 percentage points behind last year but 3 points ahead of the 5-year average. Sugarbeet harvest advanced 25 percentage points or more during the week in Minnesota and North Dakota.

By October 31, fifty-three percent of this year's sunflower crop was harvested, 6 percentage points behind last year but 3 points ahead of the 5-year average. Harvest progress advanced 10 percentage points or more during the week in all four estimating states.

Crop Progress and Condition**Week Ending October 31, 2021**

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

Cotton Percent Bolls Opening				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
AL	98	89	92	97
AZ	100	100	100	100
AR	100	100	100	100
CA	97	96	98	94
GA	95	90	93	97
KS	95	92	97	94
LA	100	100	100	100
MS	100	96	99	100
MO	100	96	97	100
NC	97	97	98	99
OK	99	95	98	97
SC	100	94	97	97
TN	100	89	94	100
TX	97	89	93	93
VA	100	98	99	100
15 Sts	98	91	94	95
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Harvested				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
AL	39	22	35	57
AZ	41	37	45	40
AR	74	58	76	84
CA	38	50	65	41
GA	37	23	33	52
KS	19	5	11	13
LA	90	73	82	92
MS	75	41	59	80
MO	32	53	59	69
NC	33	26	40	48
OK	27	18	32	31
SC	21	14	22	43
TN	51	25	42	66
TX	57	40	45	41
VA	23	27	30	51
15 Sts	51	35	45	48
These 15 States harvested 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	0	5	28	52	15
AZ	0	4	15	52	29
AR	1	4	12	45	38
CA	0	0	15	85	0
GA	2	9	28	54	7
KS	1	3	39	52	5
LA	0	4	45	45	6
MS	3	4	24	62	7
MO	0	6	23	71	0
NC	1	8	36	45	10
OK	0	8	26	65	1
SC	0	0	14	68	18
TN	3	9	23	54	11
TX	0	4	38	44	14
VA	0	0	29	70	1
15 Sts	0	5	33	49	13
Prev Wk	1	5	30	48	16
Prev Yr	6	28	29	29	8

Corn Percent Harvested				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
CO	82	58	68	61
IL	88	78	81	80
IN	71	57	62	69
IA	86	60	70	61
KS	89	84	90	85
KY	88	78	84	92
MI	50	47	53	43
MN	81	70	83	61
MO	79	81	86	82
NE	85	60	72	63
NC	97	96	97	97
ND	82	55	69	46
OH	40	41	51	54
PA	57	37	58	57
SD	84	64	71	52
TN	94	86	91	97
TX	92	94	97	89
WI	53	48	61	41
18 Sts	81	66	74	66
These 18 States harvested 94% of last year's corn acreage.				

Soybeans Percent Harvested				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
AR	66	70	80	79
IL	93	68	75	86
IN	86	63	67	82
IA	97	83	88	85
KS	82	57	69	70
KY	55	46	56	64
LA	99	87	94	98
MI	78	49	55	70
MN	99	95	98	91
MS	83	78	88	91
MO	59	49	59	61
NE	100	88	91	91
NC	28	28	43	38
ND	100	91	95	84
OH	76	70	75	81
SD	97	93	95	89
TN	57	44	55	69
WI	90	74	84	76
18 Sts	86	73	79	81
These 18 States harvested 96% of last year's soybean acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
CO	76	61	78	62
KS	73	61	71	59
NE	91	72	78	68
OK	59	54	64	64
SD	89	79	84	64
TX	98	95	99	89
6 Sts	81	71	80	70
These 6 States harvested 100% of last year's sorghum acreage.				

Peanuts Percent Harvested				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
AL	74	47	63	81
FL	82	69	84	90
GA	66	53	69	78
NC	47	55	72	66
OK	61	34	44	59
SC	59	45	54	66
TX	49	30	48	48
VA	52	69	88	80
8 Sts	65	51	67	74
These 8 States harvested 96% of last year's peanut acreage.				

Crop Progress and Condition

Week Ending October 31, 2021

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

Winter Wheat Percent Planted				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
AR	58	46	58	62
CA	29	20	30	32
CO	99	97	98	98
ID	99	98	99	97
IL	93	67	70	84
IN	86	66	75	84
KS	95	84	91	89
MI	94	68	77	89
MO	58	54	63	57
MT	93	88	95	93
NE	100	97	99	99
NC	34	22	35	33
OH	95	75	80	92
OK	87	73	85	86
OR	92	70	88	90
SD	100	99	100	99
TX	75	72	79	76
WA	97	96	99	94
18 Sts	88	80	87	86
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Percent Emerged				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
AR	46	22	35	44
CA	10	5	10	12
CO	87	68	74	87
ID	75	70	85	79
IL	78	48	53	63
IN	65	38	53	62
KS	76	59	71	69
MI	75	55	66	68
MO	40	30	45	37
MT	72	63	75	75
NE	88	84	90	92
NC	18	8	20	17
OH	76	52	66	72
OK	70	52	68	74
OR	32	25	43	50
SD	83	69	93	87
TX	56	46	56	58
WA	77	68	75	75
18 Sts	70	55	67	68
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	1	5	50	31	13
CA	25	5	10	50	10
CO	10	17	32	36	5
ID	1	1	57	36	5
IL	1	3	10	77	9
IN	3	6	21	56	14
KS	3	7	28	51	11
MI	5	8	30	54	3
MO	0	3	35	57	5
MT	21	23	49	7	0
NE	3	10	31	48	8
NC	1	2	35	60	2
OH	4	4	26	49	17
OK	2	5	34	56	3
OR	37	27	23	13	0
SD	6	25	37	30	2
TX	15	31	37	16	1
WA	2	22	43	32	1
18 Sts	7	14	34	40	5
Prev Wk	7	13	34	40	6
Prev Yr	6	13	38	37	6

Sugarbeets Percent Harvested				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
ID	85	64	83	80
MI	79	46	59	59
MN	100	68	93	91
ND	99	68	96	91
4 Sts	94	64	87	84
These 4 States harvested 85% of last year's sugarbeet acreage.				

Sunflowers Percent Harvested				
	Prev Year	Prev Week	Oct 31 2021	5-Yr Avg
CO	88	42	52	62
KS	67	53	65	53
ND	67	37	52	52
SD	48	42	52	46
4 Sts	59	40	53	50
These 4 States harvested 87% of last year's sunflower acreage.				

Crop Progress and Condition**Week Ending October 31, 2021**

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

Pasture and Range Condition by Percent Week Ending Oct 31, 2021												
	VP	P	F	G	EX		VP	P	F	G	EX	
AL	1	3	16	71	9		NH	0	0	60	30	10
AZ	0	8	43	48	1		NJ	0	0	10	90	0
AR	7	25	41	24	3		NM	15	18	43	18	6
CA	20	40	15	20	5		NY	1	7	27	45	20
CO	16	20	28	28	8		NC	2	17	42	37	2
CT	1	1	20	41	37		ND	50	27	17	6	0
DE	1	23	51	15	10		OH	1	7	30	55	7
FL	1	4	33	47	15		OK	4	11	46	38	1
GA	4	9	27	52	8		OR	47	30	17	6	0
ID	12	27	36	24	1		PA	2	8	27	56	7
IL	7	4	28	45	16		RI	0	0	0	50	50
IN	4	10	40	40	6		SC	0	5	30	53	12
IA	7	20	42	29	2		SD	29	37	24	10	0
KS	7	19	39	34	1		TN	1	6	27	56	10
KY	3	8	30	50	9		TX	10	20	36	28	6
LA	0	10	36	52	2		UT	13	39	38	10	0
ME	2	4	67	25	2		VT	6	8	85	1	0
MD	0	4	42	45	9		VA	7	17	41	32	3
MA	1	1	19	42	37		WA	59	18	14	8	1
MI	1	7	46	37	9		WV	3	4	12	71	10
MN	14	25	40	20	1		WI	3	10	20	43	24
MS	2	12	38	44	4		WY	31	31	27	11	0
MO	1	10	42	45	2		48 Sts	20	22	32	23	3
MT	65	30	5	0	0							
NE	13	21	50	15	1		Prev Wk	21	22	33	21	3
NV	30	25	45	0	0		Prev Yr	18	25	37	18	2

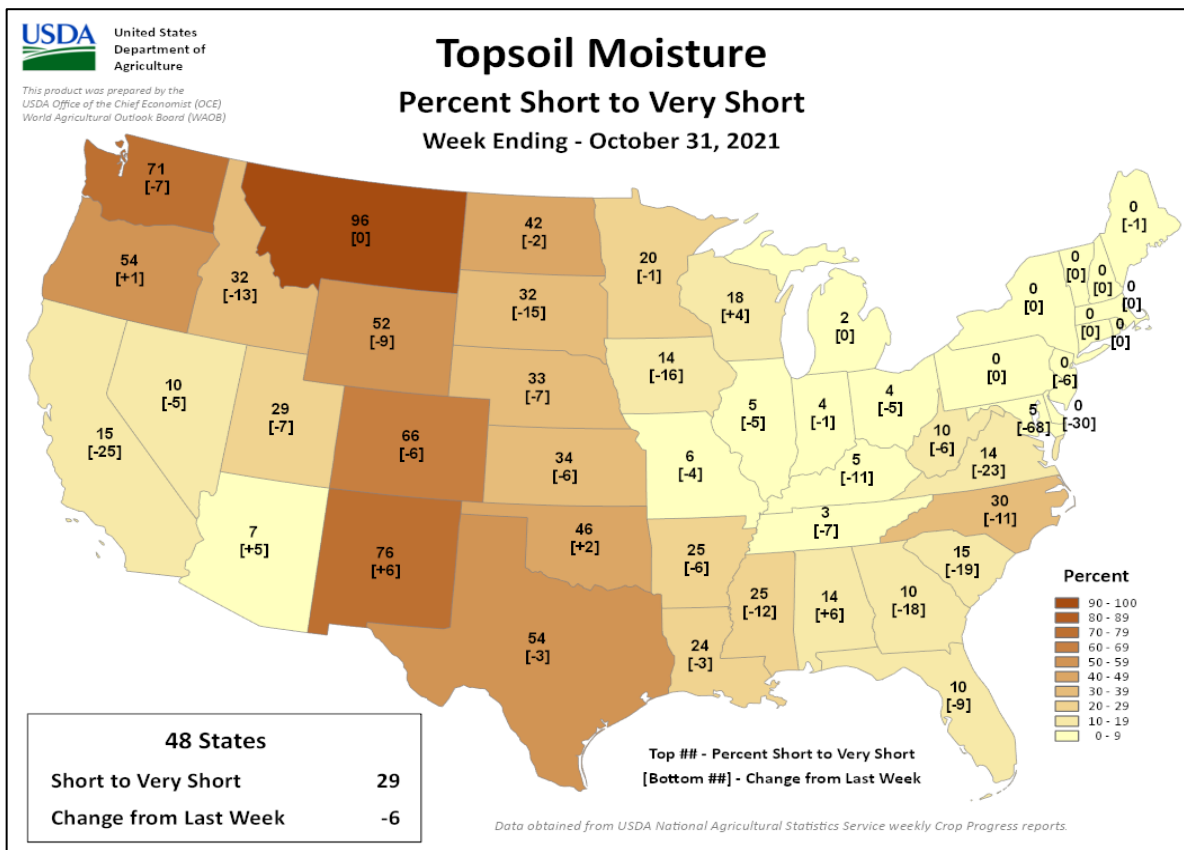
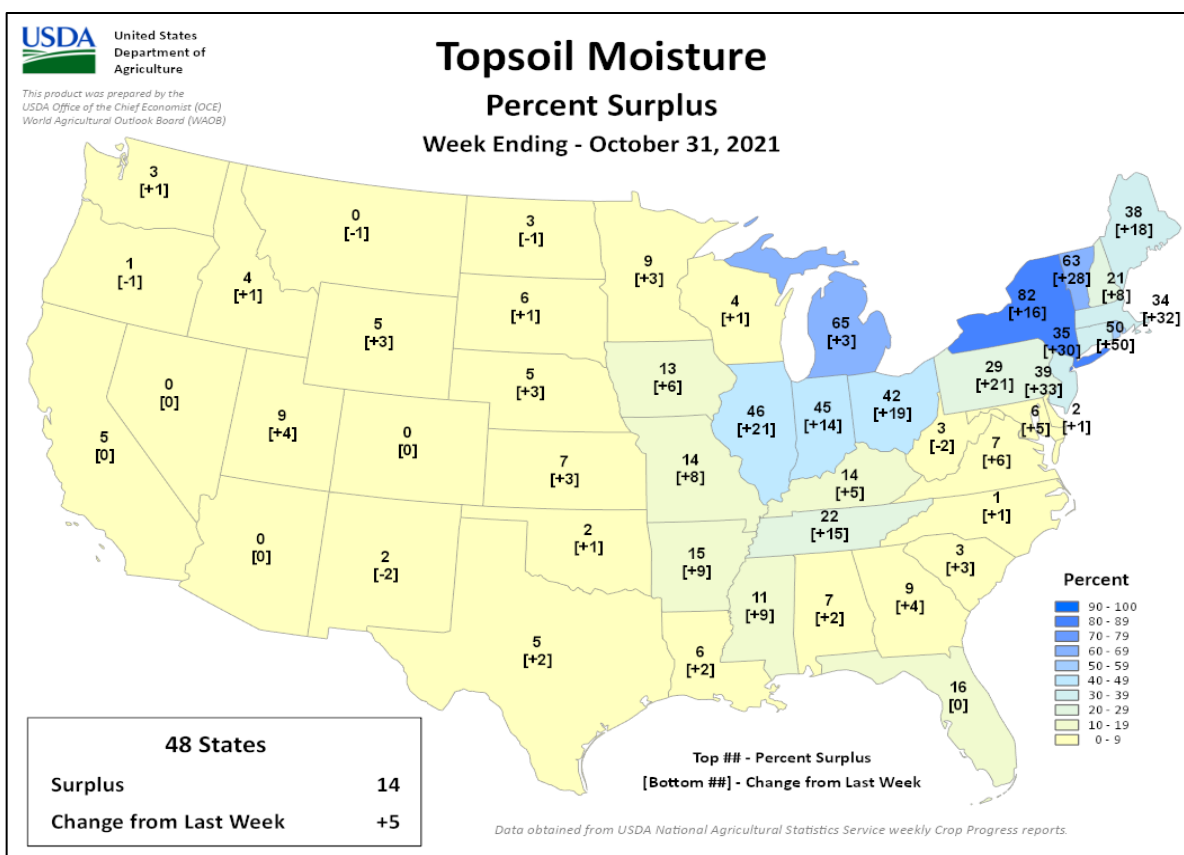
VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
* Revised

Crop Progress and Condition

Week Ending October 31, 2021

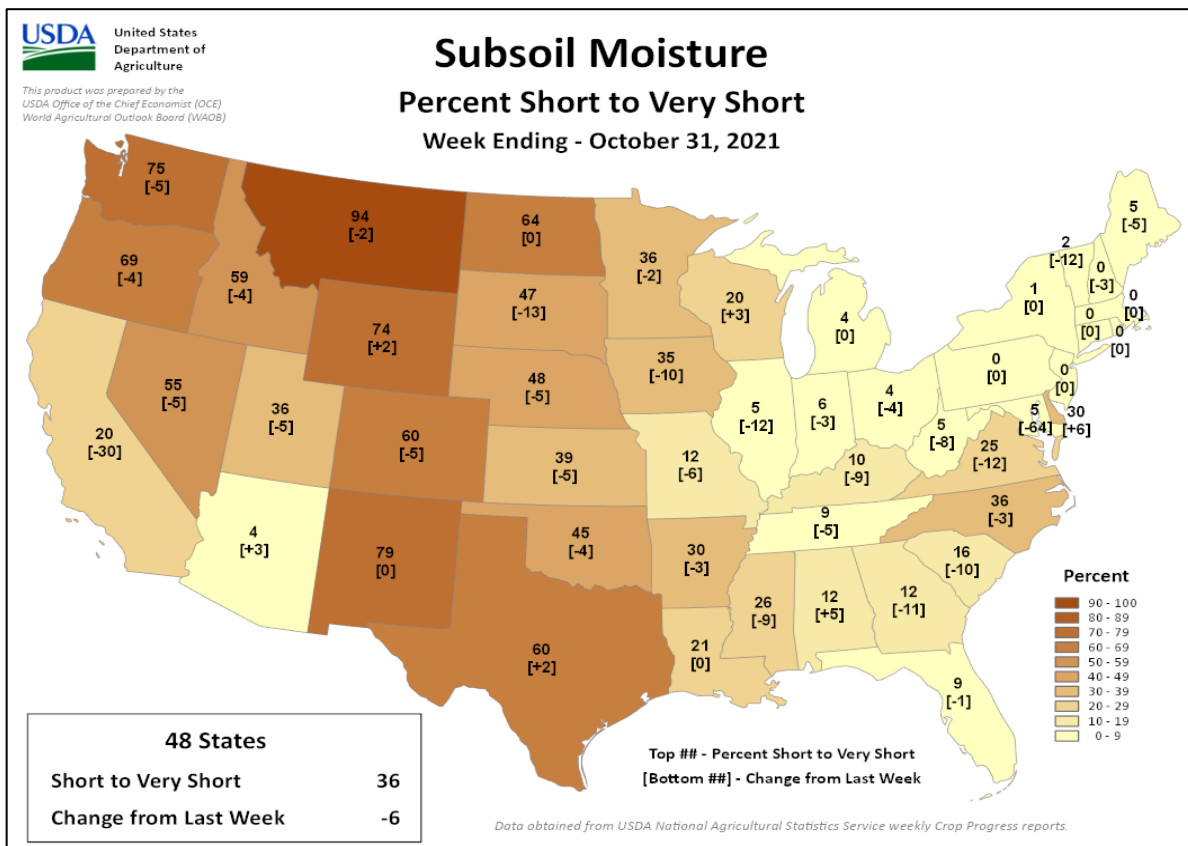
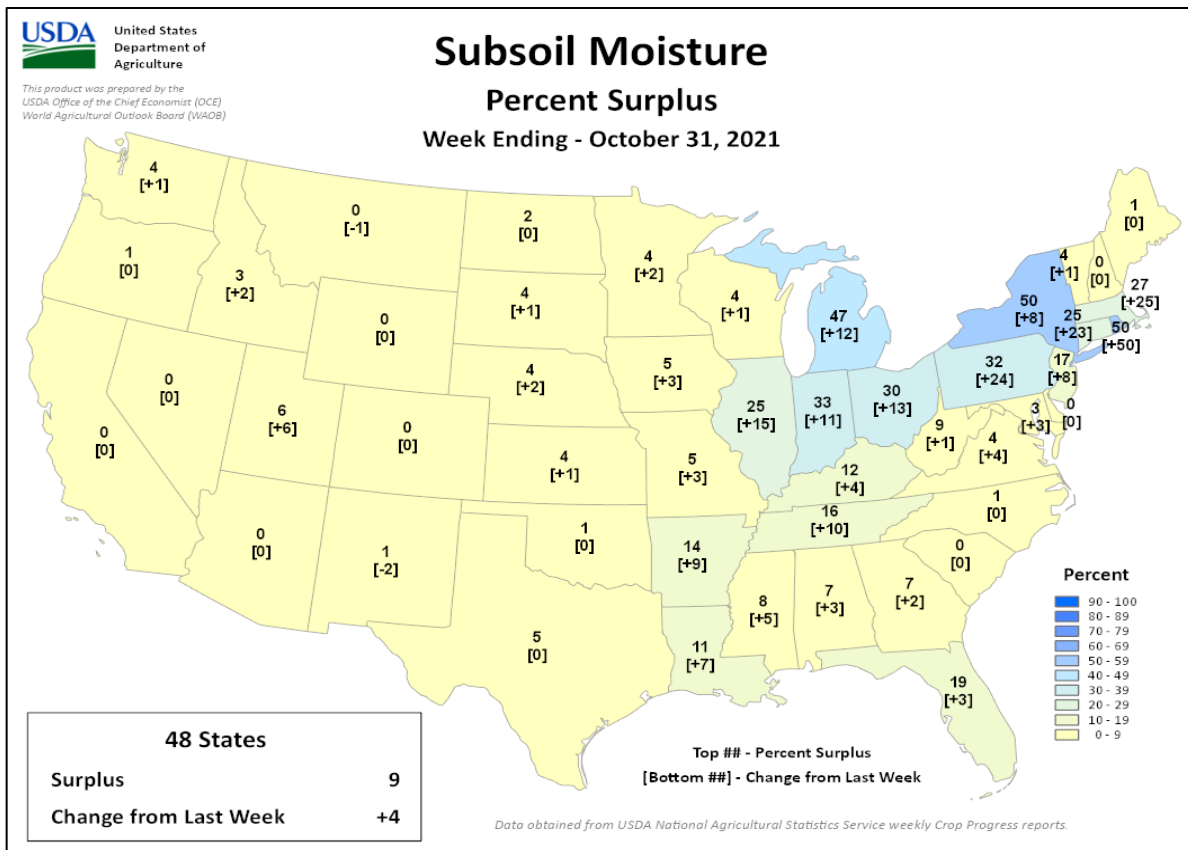
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending October 31, 2021

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



International Weather and Crop Summary

October 24-30, 2021

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

EUROPE: Beneficial showers in western growing areas contrasted with dry weather over central and eastern Europe.

WESTERN FSU: Sunny skies favored summer crop harvesting, though the Ukraine corn harvest remained significantly behind schedule.

NORTHWESTERN AFRICA: The region's cool wet season was off to a very dry start everywhere except northern Tunisia, where additional early season rain fell.

MIDDLE EAST: Increasing showers over central portions of the region encouraged winter grain planting and establishment, while a weakening medicanne approached Turkey at the end of the period.

SOUTH ASIA: The full withdrawal of the southwest monsoon ushered in drier conditions across India and environs, supporting harvesting and other seasonal fieldwork.

EAST ASIA: Warm, sunny weather benefited wheat and rapeseed emergence and establishment.

SOUTHEAST ASIA: Seasonal rainfall began to ease in northern portions of the region, while showers continued to increase in the south.

AUSTRALIA: Wet weather slowed winter crop maturation and harvesting but kept recently sown summer crops well watered.

SOUTH AFRICA: Widespread showers increased moisture for summer crop establishment.

ARGENTINA: Unseasonable warmth and dryness reduced moisture for emerging summer crops and immature winter grains.

BRAZIL: Scattered showers benefited soybeans in several key production areas.

MEXICO: Hurricane Rick brought locally heavy showers to the southern Pacific Coast as seasonal dryness dominated the north.

October 2021

COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	26	13	31	10	20	-0.1	35	-19
	BATNA	23	9	31	3	16	-0.4	2	-21
ARGENT	IGUAZU	28	17	34	12	22	-0.2	310	52
	FORMOSA	29	17	38	12	23	-0.1	91	-50
	CERES	29	13	38	2	21	0.2	8	-76
	CORDOBA	27	10	38	2	19	0.9	48	-23
	RIO CUARTO	26	12	36	5	19	1.2	57	-14
	ROSARIO	26	10	37	1	18	-0.2	49	-59
	BUENOS AIRES	24	11	36	2	17	0.4	33	-71
	SANTA ROSA	25	9	38	1	17	0.9	50	-23
AUSTRA	TRES ARROYOS	23	8	35	0	15	1.3	44	-40
	DARWIN	34	27	36	24	30	1	2	-65
	BRISBANE	26	17	33	12	22	1.4	174	93
	PERTH	21	10	33	4	16	-0.9	76	40
	CEDUNA	24	10	38	3	17	-0.1	*****	*****
	ADELAIDE	20	11	29	7	15	-0.7	*****	*****
	MELBOURNE	19	9	28	3	14	-0.1	55	5
	WAGGA	20	8	27	1	14	-0.7	21	-33
AUSTRI	CANBERRA	18	6	25	1	12	-0.5	19	-31
	VIENNA	16	6	25	-2	11	0	33	-11
	INNSBRUCK	16	4	24	-1	10	0.5	46	-8
BAHAMA	NASSAU	31	24	34	18	28	0.7	254	113
BARBAD	BRIDGETOWN	31	26	33	23	28	1.5	108	-76
BELARU	MINSK	12	3	16	-5	7	0.6	10	-41
BERMUD	ST GEORGES	27	23	29	20	25	0.3	110	-37
BOLIVI	LA PAZ	18	2	21	-3	10	1.3	66	28
BRAZIL	FORTALEZA	31	26	32	25	29	0.8	24	*****
	RECIFE	30	25	31	23	27	-0.2	13	-24
	CAMPO GRANDE	30	21	37	16	26	-0.3	322	208
	FRANCA	***	***	35	14	***	*****	221	68
	RIO DE JANEI	26	20	36	16	23	-1.7	112	32
	LONDRINA	***	***	***	***	***	*****	*****	*****
	SANTA MARIA	25	14	33	8	20	-0.5	166	-11
	SOFIA	14	5	22	-2	9	-1.4	123	76
BURKIN	OUAGADOUGOU	36	25	39	20	31	1.5	37	8
CANADA	LETHBRIDGE	15	-1	29	-18	7	0.8	24	*****
	REGINA	13	0	28	-9	7	2.2	19	-39
	WINNIPEG	15	6	29	-2	10	3.5	56	19
	TORONTO	17	10	26	2	14	4.3	102	37
	MONTREAL	16	8	24	1	12	3.2	109	31
	PRINCE ALBER	12	-2	25	-9	5	1.5	7	-21
	CALGARY	12	-1	24	-10	6	0.5	26	13
	VANCOUVER	12	7	18	-1	10	-0.6	148	28
CANARY	LAS PALMAS	26	21	30	18	23	0.5	0	-14
CHILE	SANTIAGO	25	8	33	3	17	2.5	6	-4
CHINA	HARBIN	14	2	22	-7	8	1.3	8	-14
	HAMI	18	3	28	-2	10	0.8	18	13
	BEIJING	19	8	24	0	13	-0.3	45	22
	TIENTSIN	18	8	26	0	13	-1.3	93	66
	LHASA	21	6	24	1	14	4.3	0	-8
	KUNMING	21	14	26	9	18	1.2	68	-13
	CHENGCHOW	20	12	32	4	16	0.4	35	-4
	YEHCHANG	21	15	35	9	18	1.1	41	-37
CANARY	HANKOW	22	14	36	7	18	1	49	-32
	CHUNGKING	22	18	37	13	20	0.7	99	6
	CHIHKIANG	21	15	36	8	18	0.4	98	8
	WU HU	23	15	36	9	19	0.6	62	6
	SHANGHAI	25	18	33	10	21	2	67	4
	NANCHANG	24	18	36	11	21	0.9	18	-40
	TAIPEI	28	24	33	19	26	1.1	208	62
	CANTON	28	20	35	14	24	1.1	64	-14
COTE D	NANNING	26	20	34	15	23	-0.3	106	55
	ABIDJAN	30	25	32	24	28	0.4	250	95
	CAMAGUEY	31	23	33	20	27	0.2	298	*****
	LARNACA	29	18	32	15	23	0.8	15	-2
	PRAGUE	14	4	22	-3	9	0.6	14	-13
	COPENHAGEN	14	9	17	2	11	1.3	68	14
	CAIRO	30	20	36	18	25	0.5	0	*****
	ASWAN	38	22	43	17	30	1.1	0	0
ESTONI	TALLINN	11	6	16	-2	9	2.1	66	-12

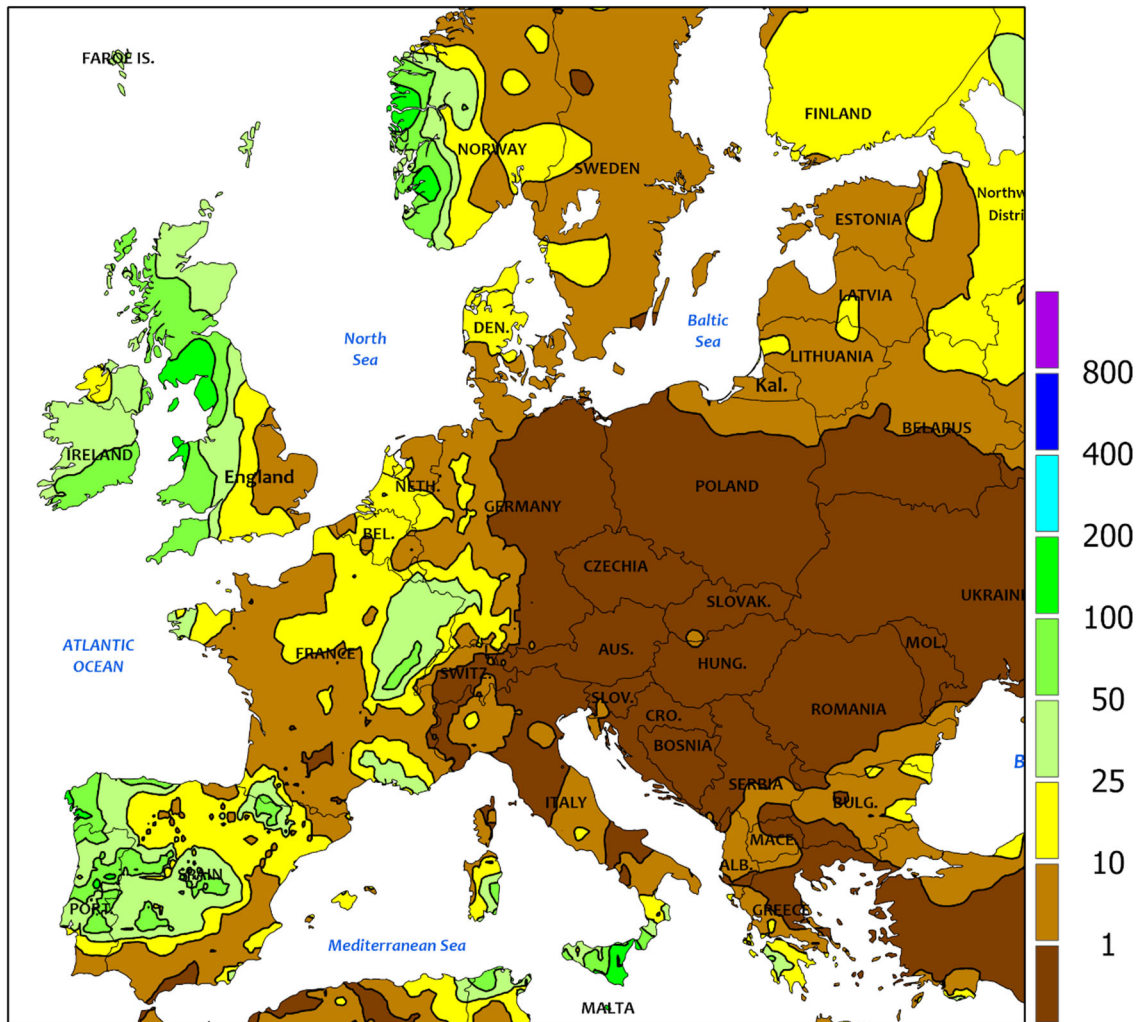
Based on Preliminary Reports

October 2021

COUNTRY CITY		TEMPERATURE (C)							PRECIP. (MM)		COUNTRY CITY		TEMPERATURE (C)							PRECIP. (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM	AVG MAX			AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM		
ETHIOP	ADDIS ABABA	***	***	25	9	***	*****	*****	*****		MOZAMB	MAPUTO	28	18	40	13	23	-0.4	85	35	
F GUIA	CAYENNE	33	23	34	21	28	0.9	83	15		N KORE	PYONGYANG	19	10	28	-1	14	1	128	83	
FIJI	NAUSORI	30	22	31	18	26	1.7	453	226		NEW CA	NOUMEA	27	20	30	18	24	1.2	53	6	
FINLAN	HELSINKI	10	6	14	-4	8	2.5	87	5		NIGER	NIAMEY	38	27	42	24	33	1.7	24	12	
FRANCE	PARIS/ORLY	17	8	24	2	13	0.3	47	-6		NORWAY	OSLO	11	5	14	-3	8	3.2	157	61	
	STRASBOURG	17	6	24	-1	11	0.3	19	-42		NZEALA	AUCKLAND	19	13	23	7	16	1.0	105	24	
	BOURGES	18	7	26	1	13	0.3	29	-41			WELLINGTON	17	11	20	5	14	1.0	52	-34	
	BORDEAUX	20	10	26	4	15	0.5	30	-63		P RICO	SAN JUAN	32	26	33	24	29	0.8	94	-48	
	TOULOUSE	20	10	26	2	15	0.4	15	-42		PAKIST	KARACHI	35	24	38	20	30	1.0	9	6	
	MARSEILLE	22	12	27	7	17	0.0	43	-24		PERU	LIMA	19	15	20	14	17	-0.7	0	*****	
	LIBREVILLE	30	25	31	23	27	1.1	238	-102		PHILIP	MANILA	31	26	34	24	28	0.0	80	-122	
GERMAN	HAMBURG	15	8	21	0	11	1.5	67	2		PNEWGU	PORT MORESBY	30	25	32	24	28	0.2	124	85	
	BERLIN	15	8	25	1	12	1.7	21	-18		POLAND	WARSAW	14	6	20	0	10	1.5	10	-23	
	DUSSELDORF	16	8	20	1	12	0.3	58	-6			LODZ	15	5	23	-3	10	0.7	17	-22	
	LEIPZIG	15	7	22	0	11	1.1	25	-6			KATOWICE	14	4	24	-2	9	0.1	23	-24	
	DRESDEN	14	7	21	0	11	1.0	13	-29		PORTUG	LISBON	25	16	30	12	21	2.0	48	-47	
	STUTTGART	15	5	23	-2	10	0.4	29	-30		ROMANI	BUCHAREST	16	5	23	-2	10	-0.3	64	17	
	NURNBERG	14	5	24	-2	10	0.4	32	-20		RUSSIA	ST.PETERSBUR	10	6	16	-2	8	1.8	86	20	
GREECE	AUGSBURG	14	4	25	-2	9	-0.6	20	-31			KAZAN	10	4	16	-3	7	1.4	19	-31	
	THESSALONIKA	19	12	23	6	15	-1.6	118	78			MOSCOW	10	3	14	-3	6	0.9	39	-32	
	LARISSA	19	10	25	5	15	-1.7	396	343			YEKATERINBUR	8	2	17	-6	5	1.3	18	-26	
	ATHENS	23	16	27	12	19	-0.5	112	78			OMSK	8	0	17	-7	4	0.8	31	1	
	RAIZET	31	24	32	21	27	0.9	153	-3			BARNAUL	8	0	18	-9	4	0.6	25	-15	
	HONG KONG IN	29	24	34	17	27	-0.5	633	*****			KHABAROVSK	11	0	20	-8	6	0.8	31	-29	
	BUDAPEST	16	5	25	-1	11	-0.4	20	-15			VLADIVOSTOK	13	7	19	-3	10	1.0	55	-1	
ICELAN	REYKJAVIK	8	5	12	1	6	1.6	90	16			VOLGOGRAD	13	3	21	-5	8	-0.4	0	-26	
	AMRITSAR	31	19	34	13	25	1.3	35	14			ASTRAKHAN	16	5	24	-2	10	0.1	0	-17	
	NEW DELHI	33	20	37	14	27	0.6	123	106			ORENBURG	12	2	19	-4	7	1.5	12	-21	
	AHMEDABAD	35	23	37	15	29	0.2	2	-9		S AFRI	JOHANNESBURG	24	12	30	6	18	0.0	48	-33	
	INDORE	31	20	34	14	26	0.6	55	11			CAPE TOWN	22	12	33	6	17	1.2	39	7	
	CALCUTTA	33	26	36	22	29	1.2	175	53		S KORE	SEOUL	20	12	29	1	16	1.6	58	6	
	VERAVAL	33	24	37	21	29	0.0	15	*****		SAMOA	PAGO PAGO	30	26	32	21	28	0.8	112	-145	
BOMBAY	BOMBAY	34	24	36	22	29	0.6	11	*****		SENEGA	DAKAR	32	26	37	23	29	1.0	18	-7	
	POONA	32	19	34	14	25	0.2	140	57		SPAIN	VALLADOLID	21	8	26	2	15	1.4	33	-22	
	BEGAMPET	32	22	33	18	27	0.8	247	140			MADRID	23	9	27	2	16	1.1	72	23	
	VISHAKHAPATN	33	27	35	25	30	1.6	76	-149			SEVILLE	28	15	32	11	22	1.0	8	*****	
	MADRAS	33	26	36	24	29	0.9	213	-86		SWITZE	ZURICH	14	7	23	2	10	0.5	23	-64	
	MANGALORE	30	24	32	22	27	-0.3	481	*****			GENEVA	15	6	24	1	11	-0.1	60	-37	
	SERANG	34	24	36	21	29	0.8	93	14		SYRIA	DAMASCUS	29	12	35	8	21	1.9	13	2	
IRELAN	DUBLIN	15	10	20	4	12	2.3	80	1		TAHITI	PAPEETE	29	23	31	20	26	-0.2	265	168	
	MILAN	18	9	23	4	14	-1.1	53	-31		TANZAN	DAR ES SALAA	32	22	33	18	27	1.2	23	-49	
	VERONA	***	***	23	2	***	*****	*****	*****		THAILA	PHITSANULOK	32	24	35	23	28	0.5	177	12	
	VENICE	19	9	25	5	14	-0.6	18	-55			BANGKOK	33	26	36	23	30	1.6	303	12	
	GENOA	21	15	25	11	18	0.0	219	86		TOGO	TABLIGBO	33	24	35	22	28	0.8	126	*****	
	ROME	22	12	28	7	17	-0.6	47	-54		TRINID	PORT OF SPAI	32	24	34	22	28	0.8	266	68	
	NAPLES	22	13	28	8	17	-1.0	54	-34		TUNISI	TUNIS	25	17	35	13	21	-0.4	96	46	
JAMAIC	KINGSTON	33	25	35	23	29	0.7	85	-45		TURKEY	ISTANBUL	19	13	23	8	16	-0.9	47	-16	
	SAPPORO	17	9	27	3	13	1.1	166	57			ANKARA	19	3	26	-3	11	-0.7	4	-28	
	NAGOYA	25	16	31	10	20	2.2	67	-62		TURKME	ASHKHABAD	21	9	27	3	15	0.1	17	5	
	TOKYO	22	15	30	8	19	0.0	206	8		UKINGD	ABERDEEN	13	8	18	3	11	1.6	*****	*****	
	YOKOHAMA	22	16	29	9	19	0.5	220	25			LONDON	17	10	21	5	14	1.2	97	27	
	KYOTO	25	16	31	8	20	1.7	42	-79		UKRAIN	KIEV	14	4	19	-2	9	0.6	2	-39	
	OSAKA	25	17	31	10	21	2.0	70	-43			LVOV	14	3	19	-3	8	0.4	7	-43	
KAZAKH	KUSTANAY	11	0	19	-8	6	0.6	12	-17			KIROVOGRAD	14	3	20	-3	8	-0.5	33	-3	
	TSELINOGRAD	8	0	16	-7	4	-0.7	23	-5			ODESSA	14	8	21	4	11	-0.7	25	-9	
	KARAGANDA	9	-1	17	-8	4	-0.1	27	-1			KHARKOV	14	3	19	-5	8	0.5	8	-41	
	NAIROBI	27	16	29	13	21	-0.5	14	-33		UZBEKI	TASHKENT	19	7	24	2	13	-0.9	30	4	
	BENGHAZI	28	18	34	13	23	1.0	20	*****		VENEZU	CARACAS	***	***	31	-4	***	*****	*****	*****	
	KAUNAS	12	5	18	-2	8	1.5	31	-24		YUGOSL	BELGRADE	17	8	28	3	13	-0.2	70	20	
	LUXEMBOURG	14	6	19	1	10	0.5	73	-13		ZAMBIA	LUSAKA	***	***	36	15	***	*****	*****	*****	
MALAYS	KUALA LUMPUR	34	25	36	23	30	2.2	160	-103		ZIMBAB	KADOMA	***	***	35	***	***	*****	*****	*****	
	BAMAKO	35	22	39	20	29	0.6	40	-17												
	MAJURO	30	27	32	24	28	0.5	359	22												
	LAMENTIN	32	25	34	22	28	1.2	268	2												
	NOUAKCHOTT	37	24	43	20	30	1.9	*****	*****												
	GUADALAJARA	26	15	29	11	21	0.7	46	*****												
	TLAXCALA	24	12	28	8	18	1.0	100	51												
MOROCC	ORIZABA	25	17	32	12	21	1.6	108	*****												
	CASABLANCA	25	17	26	11	21	0.6	2	-37												
	MARRAKECH	32	16	41	12	24	2.2	0	-19												

Based on Preliminary Reports

EUROPE
Total Precipitation(mm)
October 24 - 30, 2021



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



EUROPE

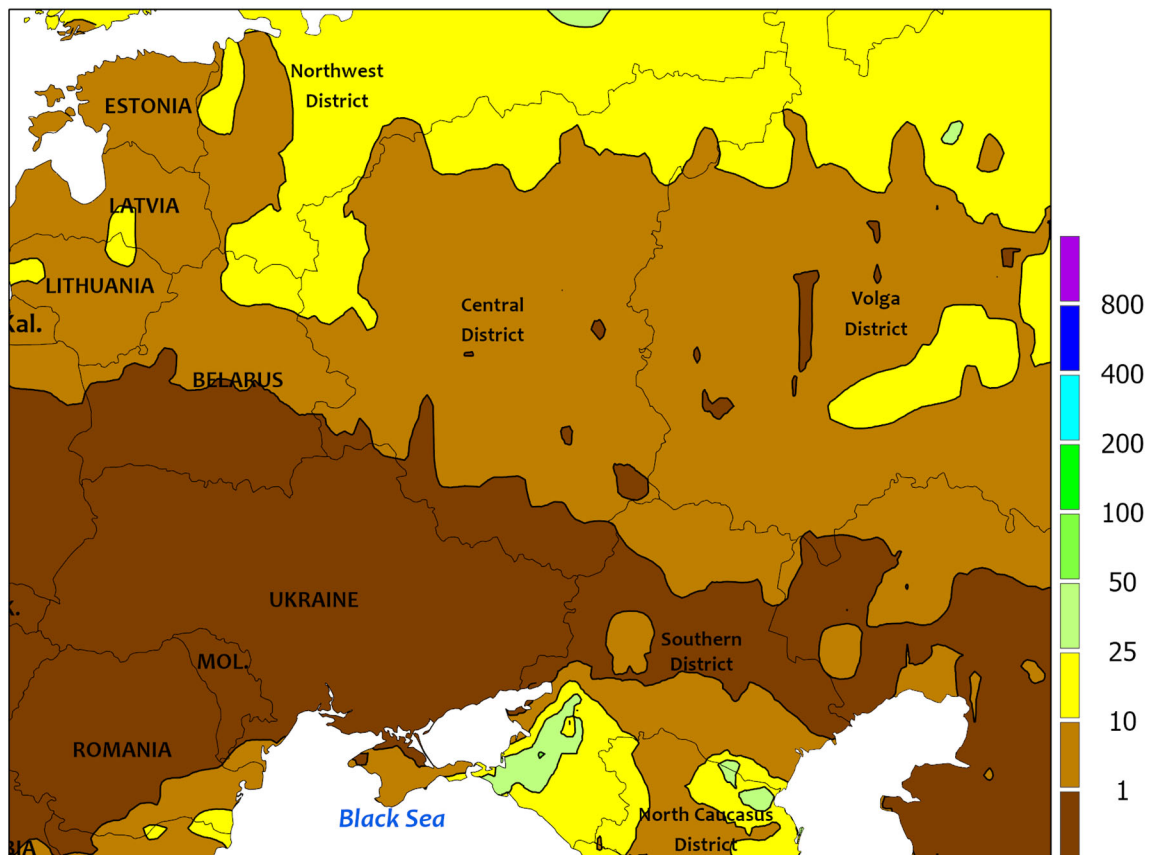
Wet weather over western Europe contrasted with mostly dry conditions across central and eastern growing areas. A slow-moving cold front triggered widespread moderate to heavy showers (10-60 mm, locally more) on the Iberian Peninsula, easing short-term dryness and improving soil moisture for winter grain planting and establishment. Heavy rain (25-130 mm) also overspread Ireland and western England, though primary winter wheat and rapeseed areas in southeastern England received much less rainfall (2-20 mm). Showers were hit and miss in France, though key winter crop areas over the northern half of the country reported 5 to 35 mm. Sunny skies prevailed over the rest of Europe, encouraging seasonal

fieldwork and winter crop establishment. In particular, the dry conditions were beneficial for the resumption of cotton harvesting in Greece following October's deluges. However, a medicane (a Mediterranean storm with tropical characteristics) triggered prodigious rains in southern Italy, with amounts topping 200 mm (locally as much as 600 mm) in eastern Sicily; however, the heavy rain with this medicane stayed mostly offshore. Above-normal temperatures (2-5°C above normal) over northern Europe contrasted with chilly conditions (2-4°C below normal) in southeastern growing areas. Winter crops typically go dormant by the end of November in the continent's colder northern growing areas.

WESTERN FSU

Total Precipitation(mm)

October 24 - 30, 2021



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

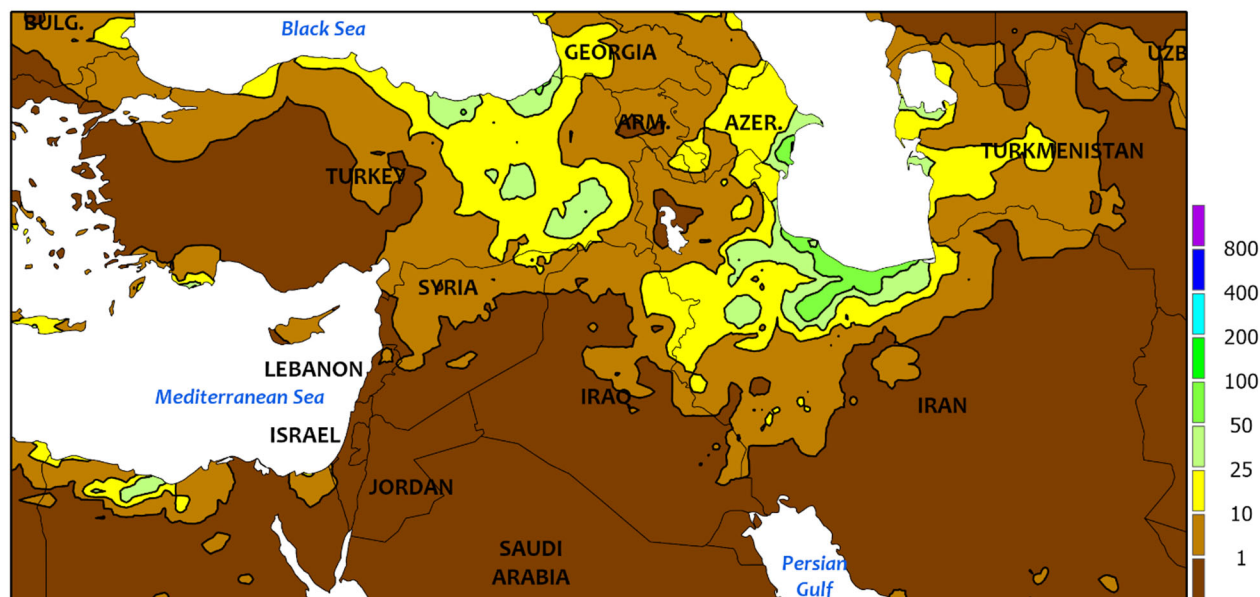


WESTERN FSU

Dry weather promoted fieldwork, though some rain was reported in southern-most growing areas. Sunny skies and near-normal temperatures promoted a rapid pace of late summer crop drydown and harvesting. However, the Ukraine corn harvest was still running well behind normal due to wet weather earlier in the fall; as of the end of October, the Ukraine corn harvest was reportedly 44 percent complete, versus the long-term average of 71 percent for this date.

Elsewhere, fieldwork proceeded at a rapid clip, though rain returned to southern portions of southwestern Russia (2-25 mm). Topsoil moisture has become limited for winter wheat from southern portions of Russia's Central District into the northern oblasts of the Southern District (30-day rainfall less than 10 percent of normal). Winter crops typically go dormant by late November across southern growing areas, somewhat earlier in northern portions of the region.

MIDDLE EAST
Total Precipitation(mm)
October 24 - 30, 2021



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



MIDDLE EAST

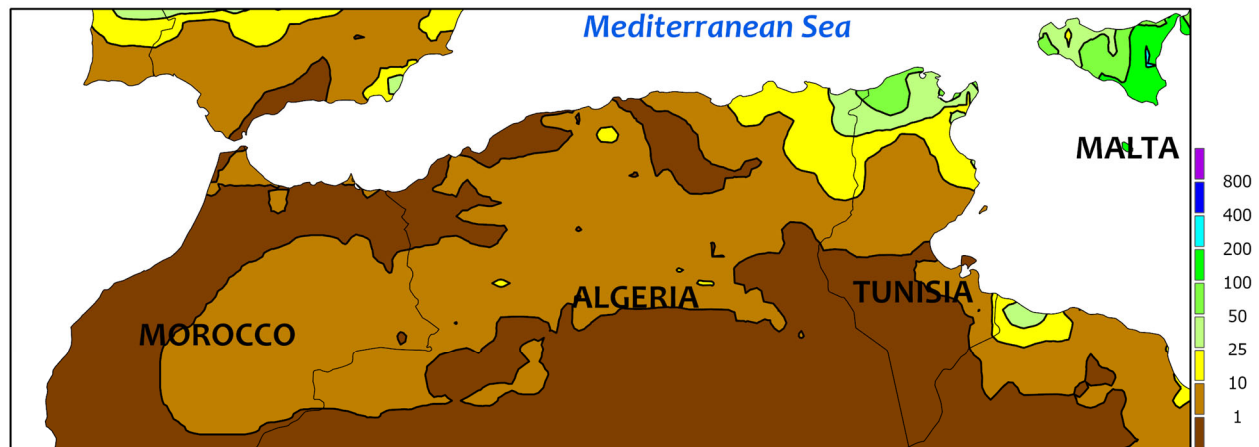
The first appreciable precipitation of the season was noted in central portions of the region, while dry weather preceded an approaching sub-tropical storm system in western growing areas. Widespread moderate to heavy showers (5-45 mm) moistened topsoils for winter grain planting and establishment from northern and eastern Turkey into eastern Iraq and northwestern Iran. However, dry weather prevailed from the Aegean Region of western Turkey onto the Anatolian Plateau, leaving soils

unfavorably dry for wheat and barley establishment. However, a weakening medicane (a Mediterranean storm with tropical characteristics) was approaching southern Turkey at the end of the period, with copious moisture from this system fueling widespread showers in Turkey and Syria on November 1. Dry weather prevailed from the southeastern Mediterranean Coast into southern and eastern Iran, though rain typically returns to these croplands during November.

NORTHWESTERN AFRICA

Total Precipitation(mm)

October 24 - 30, 2021



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

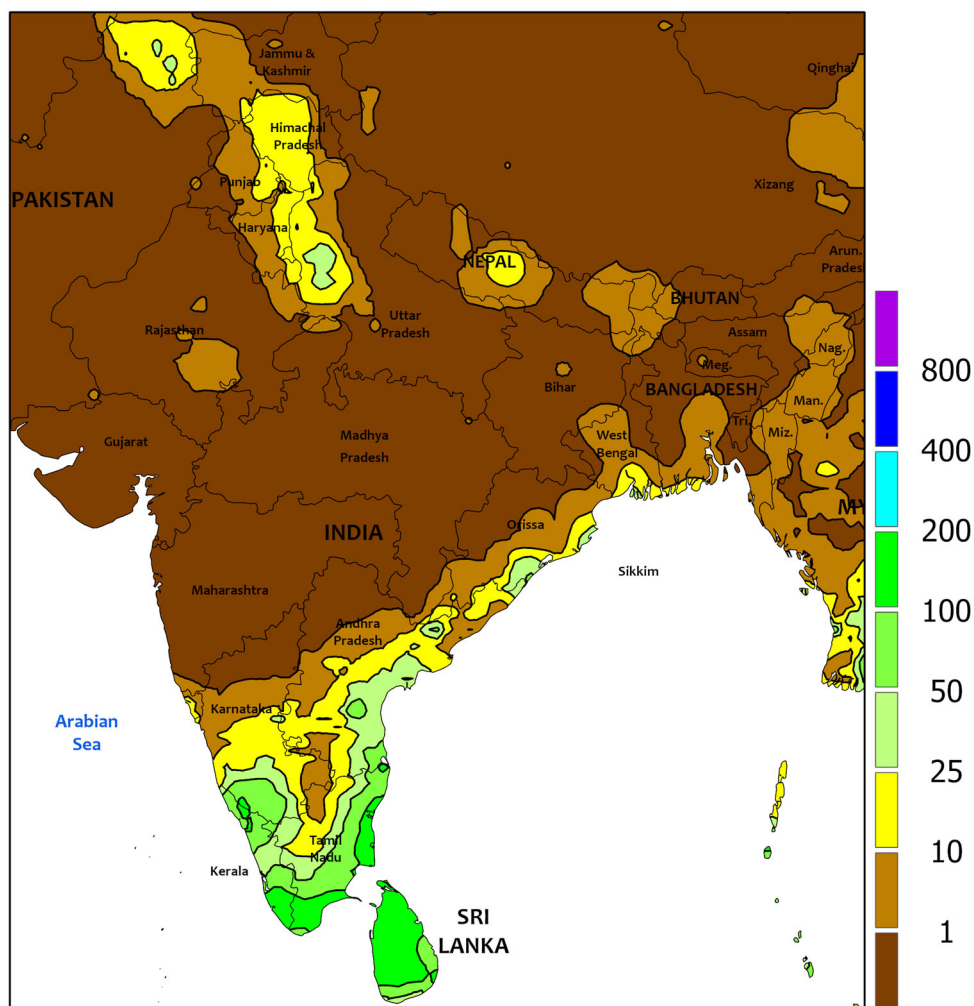


NORTHWESTERN AFRICA

The dry start to the region's cool wet season continued, though croplands in northern Tunisia continued to receive good early-season rain. Dry weather prevailed in Morocco, where season-to-date rainfall (since September 1) in the country's primary croplands has tallied a meager 5 percent of average with a deficit rapidly approaching 75 mm; this has been the driest start to the country's wet season over the past 30 years. It is still early in the winter grain growing campaign, but producers will need rain soon for proper wheat and barley establishment. Dry conditions

also lingered across much of western and central Algeria, though season-to-date deficits were not as extreme as those in Morocco. Northeastern Algeria experienced welcome rainfall (5-35 mm), moistening topsoils for wheat and barley planting. Conditions remained highly variable in Tunisia, with heavy rain in the north (25-90 mm, pushing season-to-date totals to more than 100 percent of normal) giving way to acute dryness over the country's inland Steppe Region (25 percent of normal rainfall since September 1).

SOUTH ASIA
Total Precipitation(mm)
October 24 - 30, 2021



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



SOUTH ASIA

The southwest monsoon fully withdrew from India by October 25 (according to the India Meteorological Department), ushering in drier conditions to much of the country and region as a whole. The dry weather supported kharif crop harvesting throughout India and Pakistan as well as field preparations for rabi crop sowing. In addition, more sunshine in Bangladesh benefited vegetative to reproductive aman rice. Meanwhile,

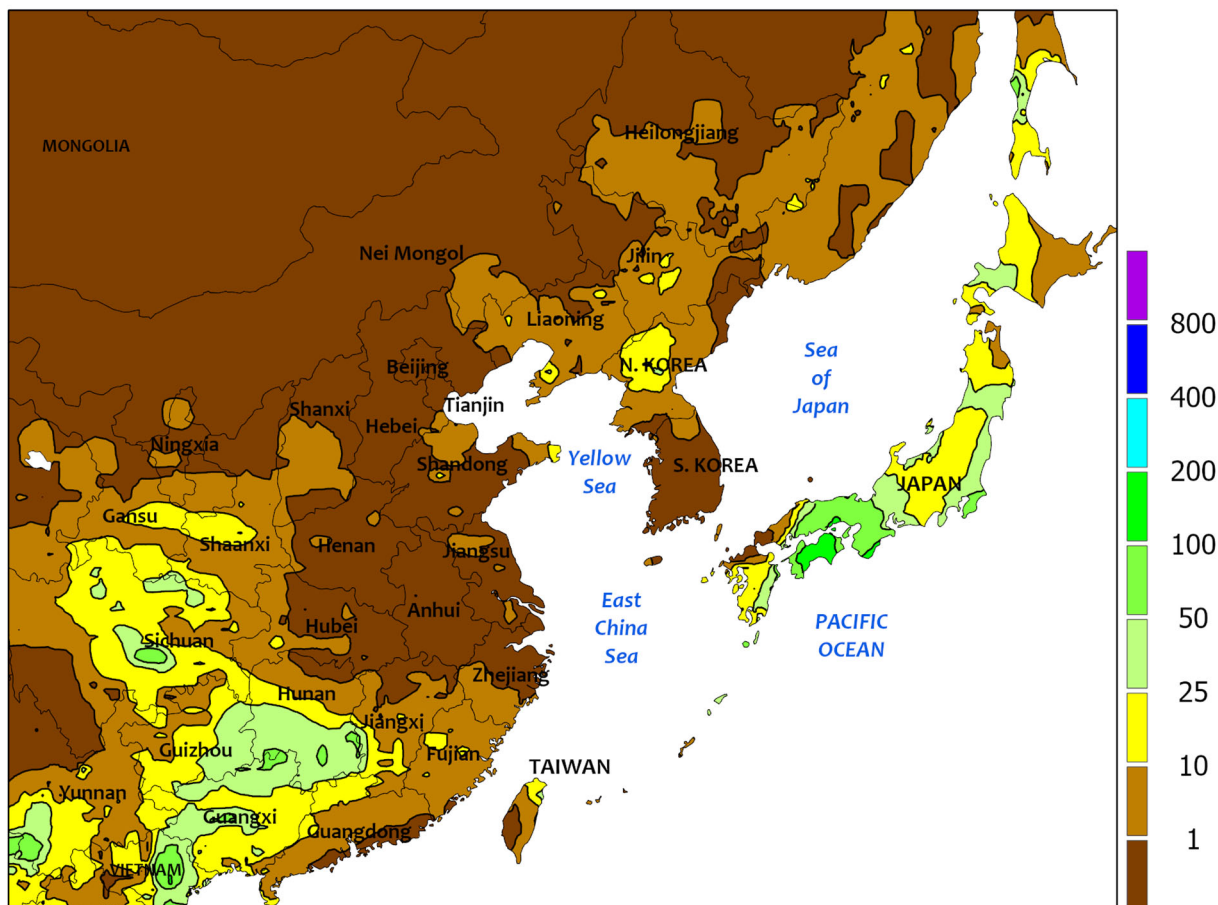
showers (up to 250 mm) continued in southern-most India and Sri Lanka, maintaining good moisture supplies for later planted kharif crops in India and maha rice establishment in Sri Lanka.

This is the last weekly summary of the season; routine coverage will resume in May 2022 in prelude to the onset of the southwest monsoon.

EASTERN ASIA

Total Precipitation(mm)

October 24 - 30, 2021



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

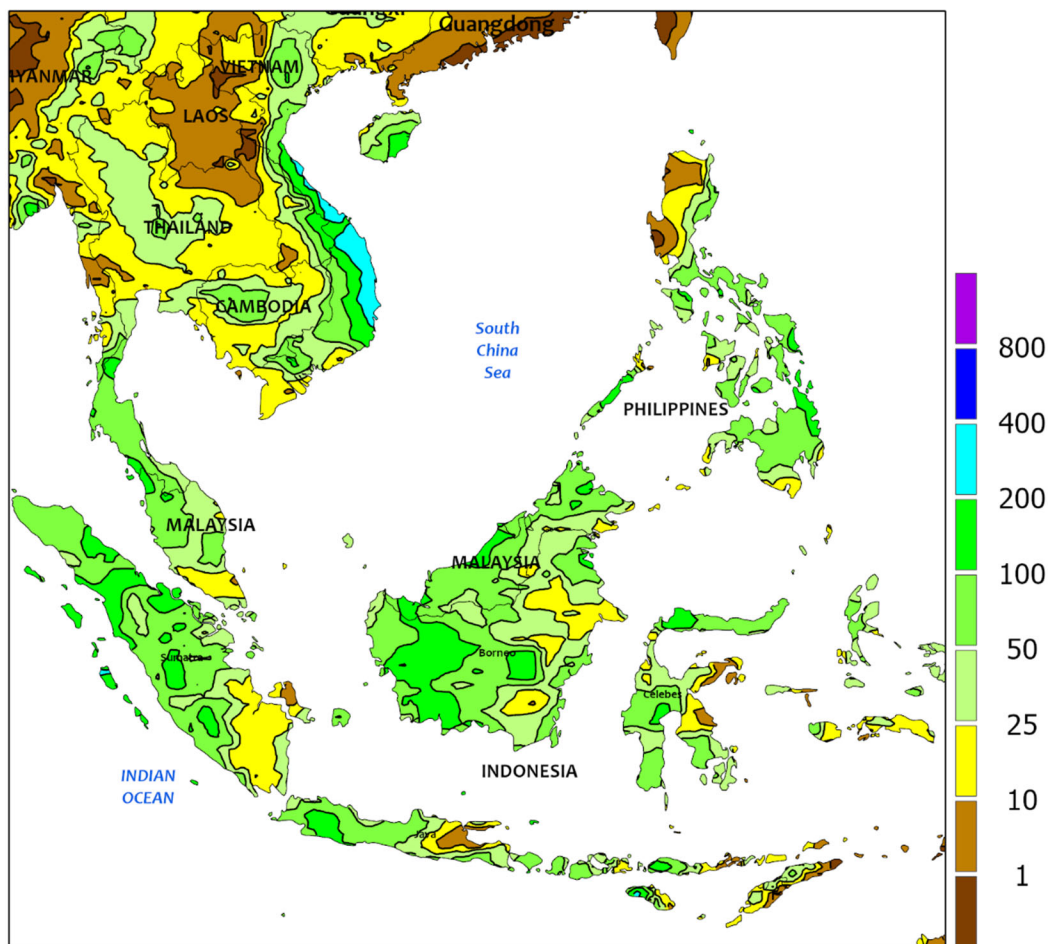


EASTERN ASIA

Abundant sunshine and unseasonably warm weather in eastern and southern China supported wheat and rapeseed emergence and establishment. Nighttime lows below freezing remained well to the north, with

temperatures averaging up to 3°C above normal in wheat and rapeseed areas. Showers (10-50 mm or more) were limited to the southwest, aiding some sugarcane and seasonally grown vegetables.

SOUTHEAST ASIA
Total Precipitation(mm)
October 24 - 30, 2021



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



SOUTHEAST ASIA

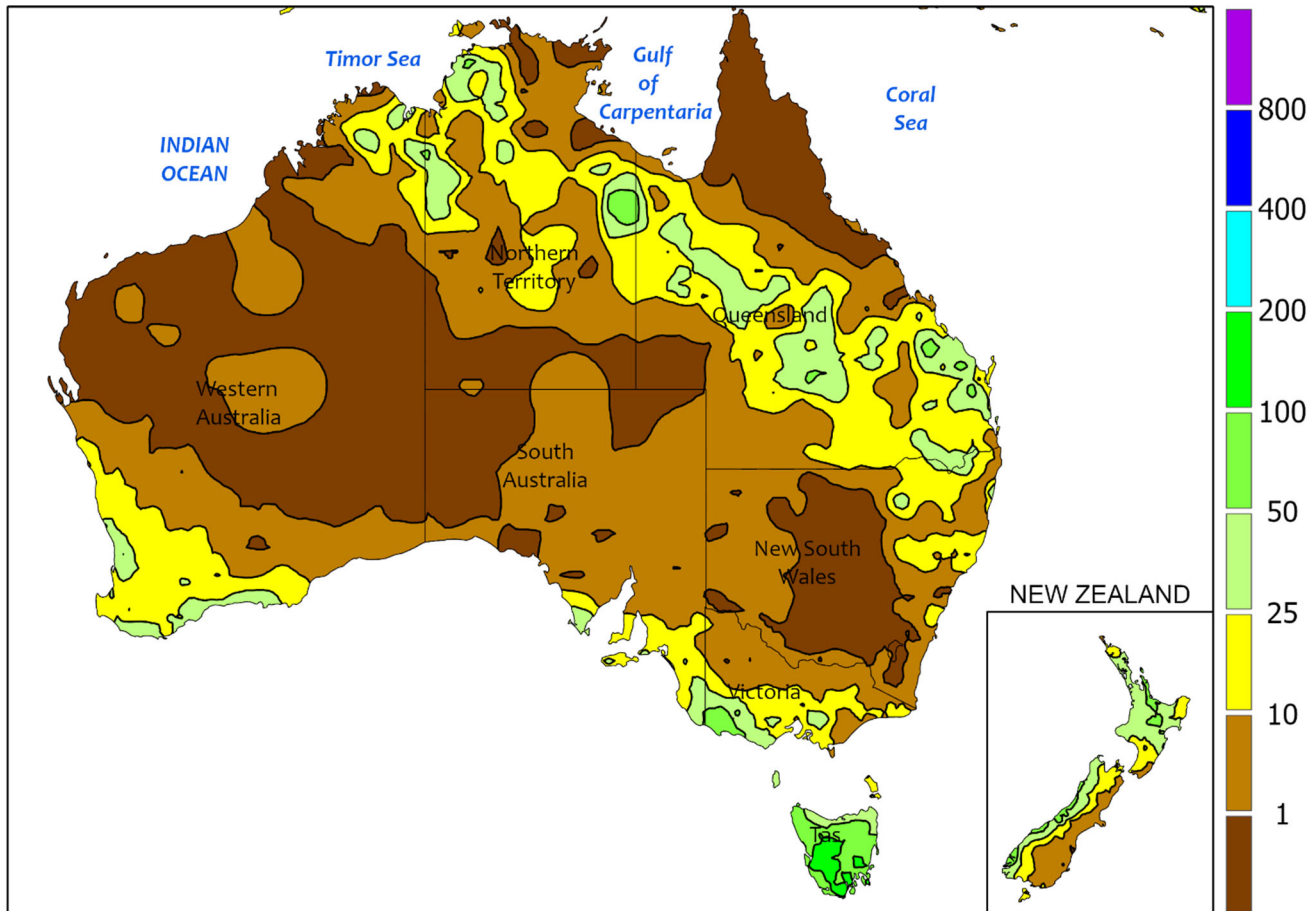
With tropical showers making the seasonal shift to the south, somewhat lighter rainfall occurred in parts of Thailand and the surrounding areas. The majority of the aforementioned areas recorded less than 25 mm, although some locales reported higher amounts. The drier conditions were generally favorable as the wet season draws to a close and wet-season rice matures. In contrast, central Vietnam recorded over 150 mm of rain, with the highlands receiving

50 to 100 mm. The wet weather slowed or halted coffee harvesting and may have reduced yields. Meanwhile, in the Philippines, widespread showers (25-150 mm) covered nearly all regions, slowing harvesting of the summer-grown rice but boosting irrigation supplies for the winter crop. Farther south, rainfall (25-150 mm) slowed oil palm harvesting in Malaysia and Indonesia, as similar amounts in southern Indonesia (Java) encouraged early rice sowing.

AUSTRALIA

Total Precipitation(mm)

October 24 - 30, 2021



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 data

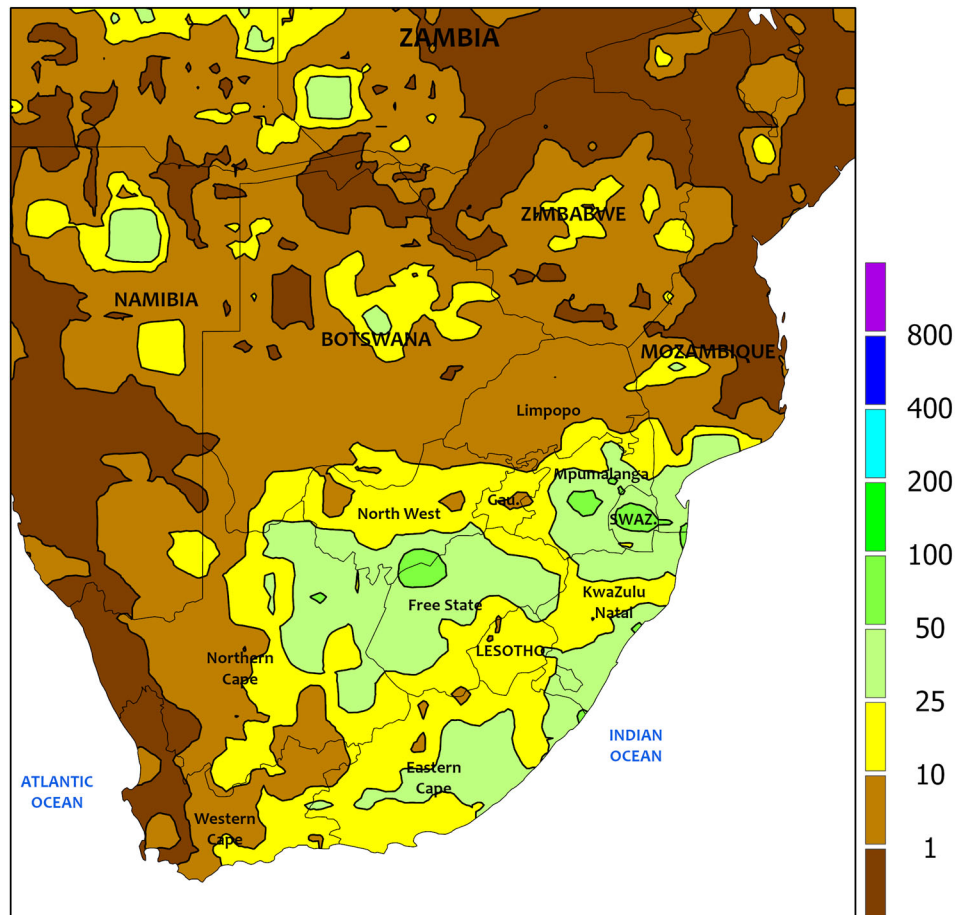


AUSTRALIA

In Western Australia, South Australia, and Victoria, widespread showers (10-25 mm, locally more) overspread the wheat belt. Immature winter crops may have benefited from the rain, but many winter grains and oilseeds have already reached maturity and the wet weather slowed drydown and reportedly caused harvesting delays. In contrast, dry weather in southern and central New South Wales favored maturing wheat, barley, and canola and aided fieldwork. Farther north,

widespread showers (10-50 mm, locally more) in northern New South Wales and southern Queensland kept recently sown summer crops well watered and likely triggered additional sowing, but the rain disrupted local wheat harvesting. Temperatures averaged 2°C above normal in the border region of northern New South Wales and southern Queensland. Elsewhere in the wheat belt, temperature averaged 2 to 3°C below normal in most areas.

SOUTH AFRICA
Total Precipitation(mm)
October 24 - 30, 2021



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



SOUTH AFRICA

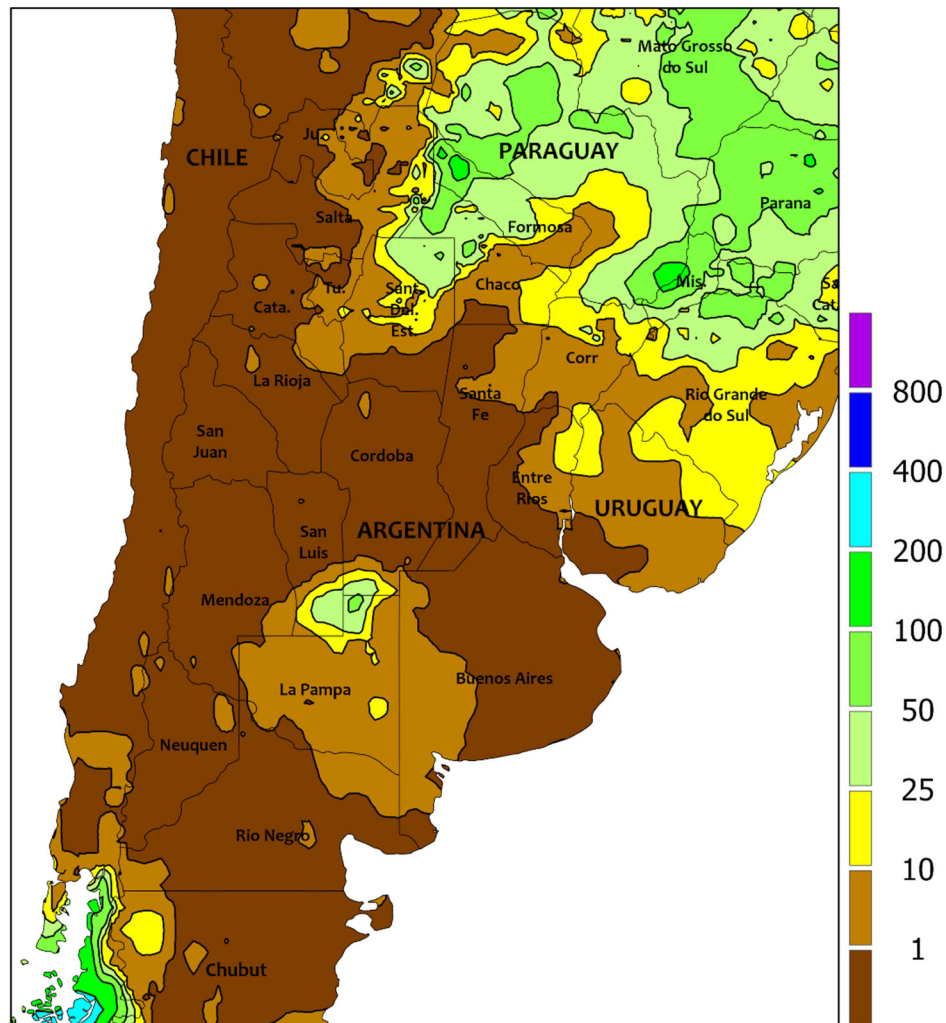
Showers increased moisture for rain-fed summer crops across much of the region. Rainfall totaled 10 to 50 mm across the corn belt (North West and Free State to Mpumalanga and environs), with locally higher amounts at the western edge of the growing region. Fieldwork should be well underway in eastern production areas, but the rain came too early in the season for western producers to

begin planting. Similarly, beneficial rain (10-50 mm) fell in the main sugarcane areas of KwaZulu-Natal and eastern Mpumalanga. Farther west, unseasonably heavy showers (10-50 mm, locally approaching 100 mm) improved irrigation reserves in Eastern Cape and eastern sections of Northern Cape, while seasonably drier weather prevailed over Western Cape.

ARGENTINA

Total Precipitation(mm)

October 24 - 30, 2021



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



ARGENTINA

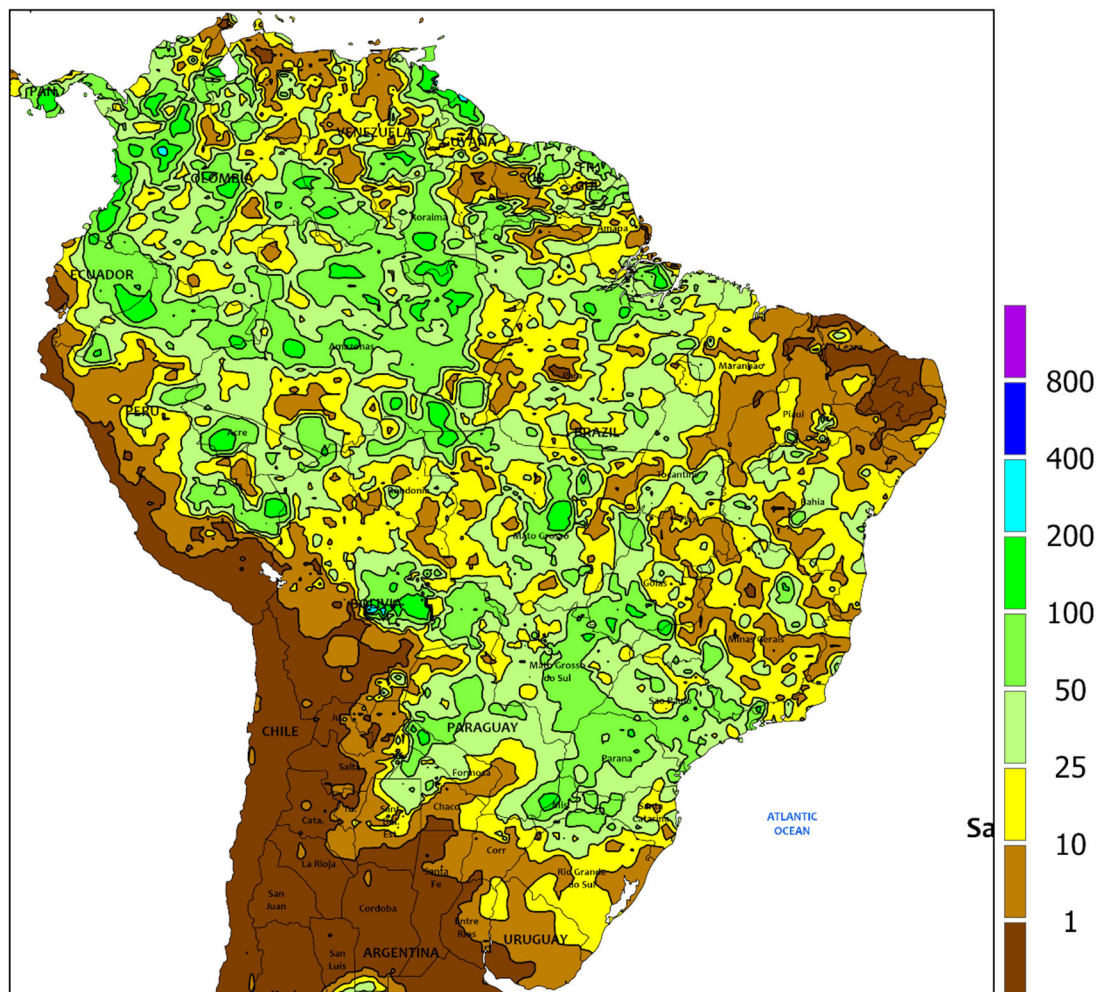
Unseasonable warmth and dryness dominated nearly all major farming areas, further reducing moisture available for summer crop germination and normal development of immature winter grains. Large sections of central and northwestern Argentina received little to no rain, with few locations from La Pampa and Buenos Aires to Salta reporting more than 5 mm. In the northeast, light to moderate rain (10-25 mm, locally approaching 50 mm) provided needed moisture for germination of cotton and other summer crops from Santiago del Estero to Formosa. Weekly temperatures averaged 5 to 6°C above normal in the high-yielding corn and soybean region of central Argentina (northern La Pampa and southern

Cordoba eastward), with daytime highs in the middle and upper 30s (degrees C) on several days exacerbating the impacts of the dryness. However, rain was approaching the region at week's end, promising to bring much-needed moisture and lower temperatures (additional information will be provided in next week's *Weekly Weather and Crop Bulletin*). According to the government of Argentina, sunflowers were 55 percent planted as of October 28, ahead of last year's pace by 3 points; corn was 36 percent planted, equaling last year's pace. Cotton was 15 percent planted, compared with 8 percent last year. Soybean planting was also advancing, but no national-level statistics were provided.

BRAZIL

Total Precipitation(mm)

October 24 - 30, 2021



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

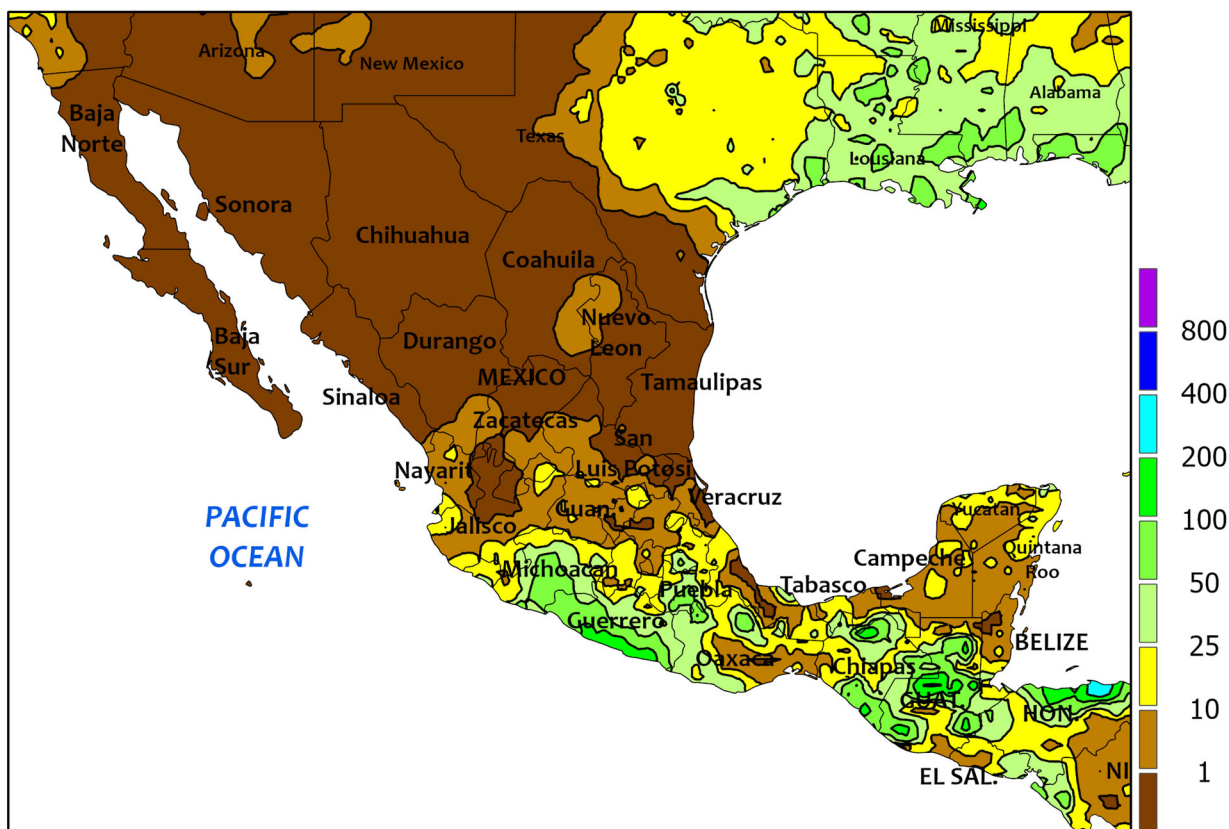


BRAZIL

Widely scattered showers maintained overall favorable summer crop prospects. Although more patchy than last week's rainfall, amounts totaling 10 to 50 mm – locally higher – were reported from Mato Grosso eastward, benefiting soybeans and other emerging summer crops and allowing opportunities for fieldwork. Summer warmth (daytime highs reaching the upper 30s degrees C in the climatologically warmer locations) maintained high evaporative losses, however, and a return to more frequent showers will be needed soon. According to the government of Mato Grosso, soybeans

were 83 percent planted as of October 29, 13 points ahead of the 5-year average. Farther south, moderate to heavy rain (10-50 mm, locally higher) fell from Mato Grosso do Sul to northern Rio Grande do Sul, as well as in southern Minas Gerais, though pockets of dryness persisted in sugarcane areas of Sao Paulo. According to the government of Parana, wheat was 82 percent harvested as of October 25; meanwhile, first-crop corn and soybeans were 93 and 60 percent planted, respectively. In Rio Grande do Sul, wheat was 28 percent harvested as of October 28, and corn was 75 percent planted.

MEXICO
Total Precipitation(mm)
October 24 - 30, 2021



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



MEXICO

On October 25, Hurricane Rick made landfall along the southern Pacific Coast with maximum sustained winds of 90 knots. Rick rapidly weakened and dissipated as it moved onshore, and moderate to heavy rain (50-100 mm, locally approaching 200 mm) from the storm was generally confined to Michoacán and Guerrero. Similar amounts were scattered across the southeast, though favorably drier conditions helped to alleviate excessive

levels of moisture in and around Tabasco. Meanwhile, dryness and unseasonable warmth dominated much of northern Mexico, fostering rapid maturation of summer crops while keeping livestock water requirements high.

This will be the final weekly summer of the season; coverage will resume in April 2022 as summer crop planting begins.



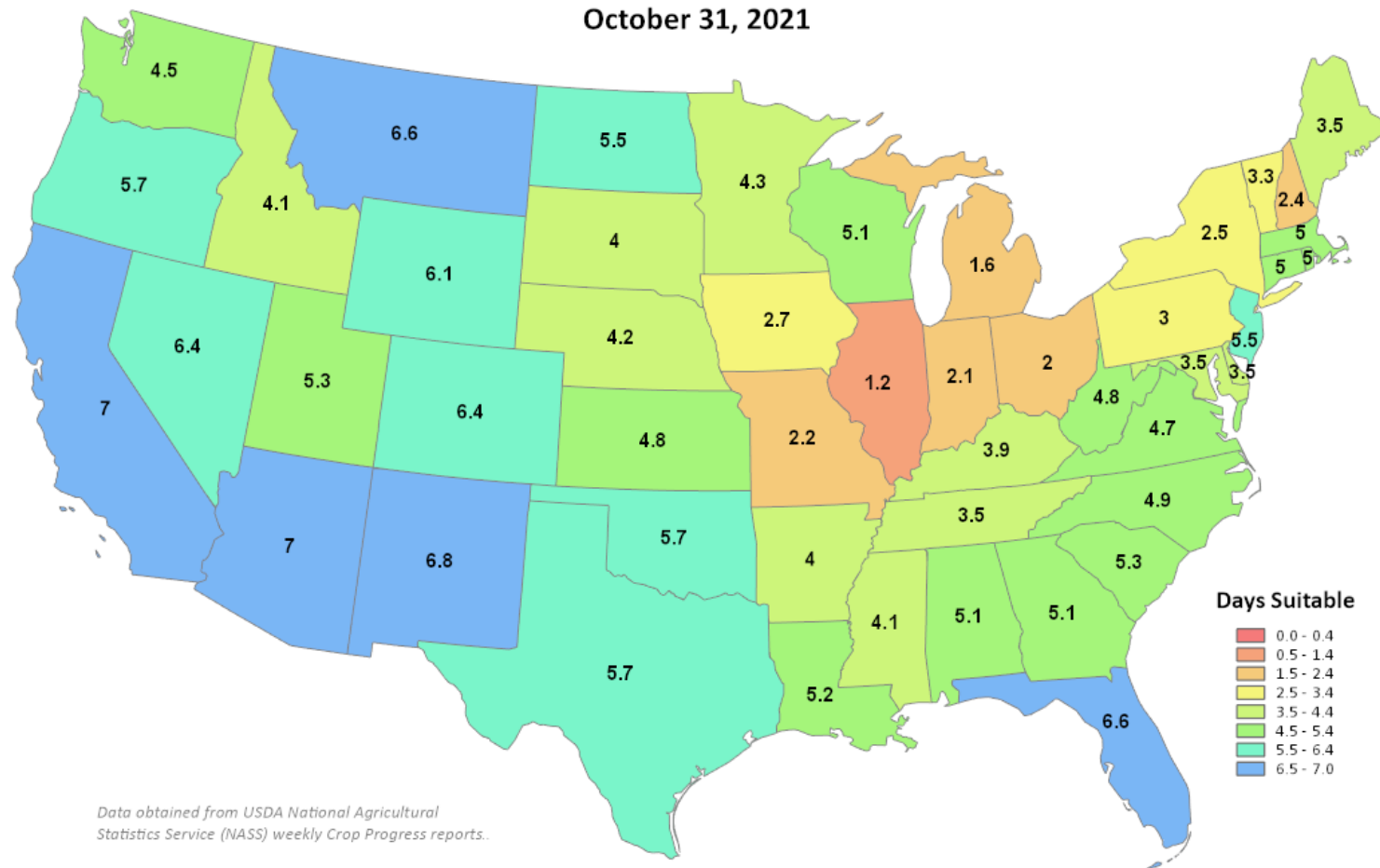
United States
Department of
Agriculture

This product was prepared by the
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World Agricultural Outlook Board (WAOB)

Days Suitable for Fieldwork

Week Ending

October 31, 2021



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

Internet URL: www.usda.gov/oce/weather-drought-monitor

E-mail address: brad.rippey@usda.gov

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U.S. DEPARTMENT OF AGRICULTURE

World Agricultural Outlook Board

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

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

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

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

National Agricultural Statistics Service

Agricultural Statistician and State Summaries Editor.....

Irwin Anolik (202) 720-7621

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