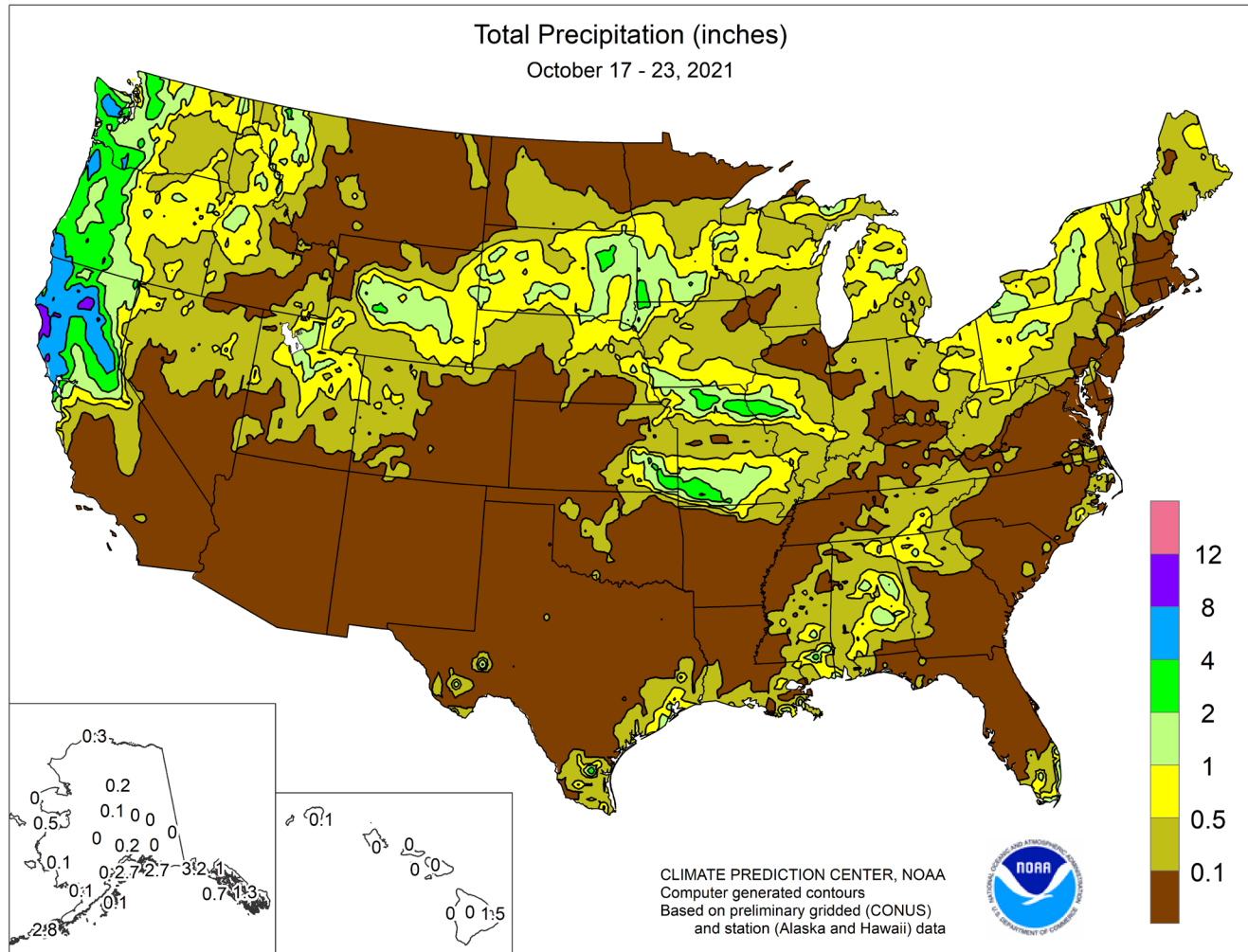


WEEKLY WEATHER AND CROP BULLETIN

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 17 – 23, 2021

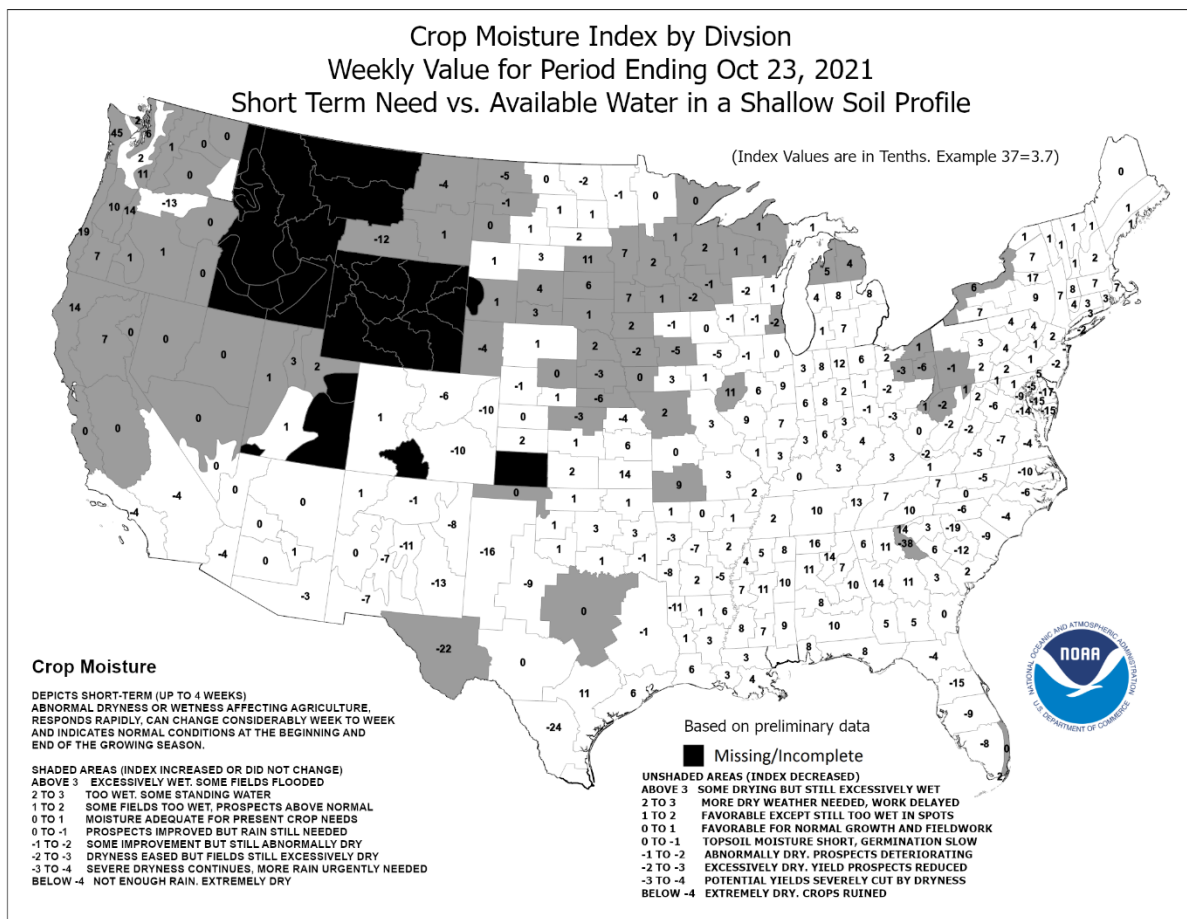
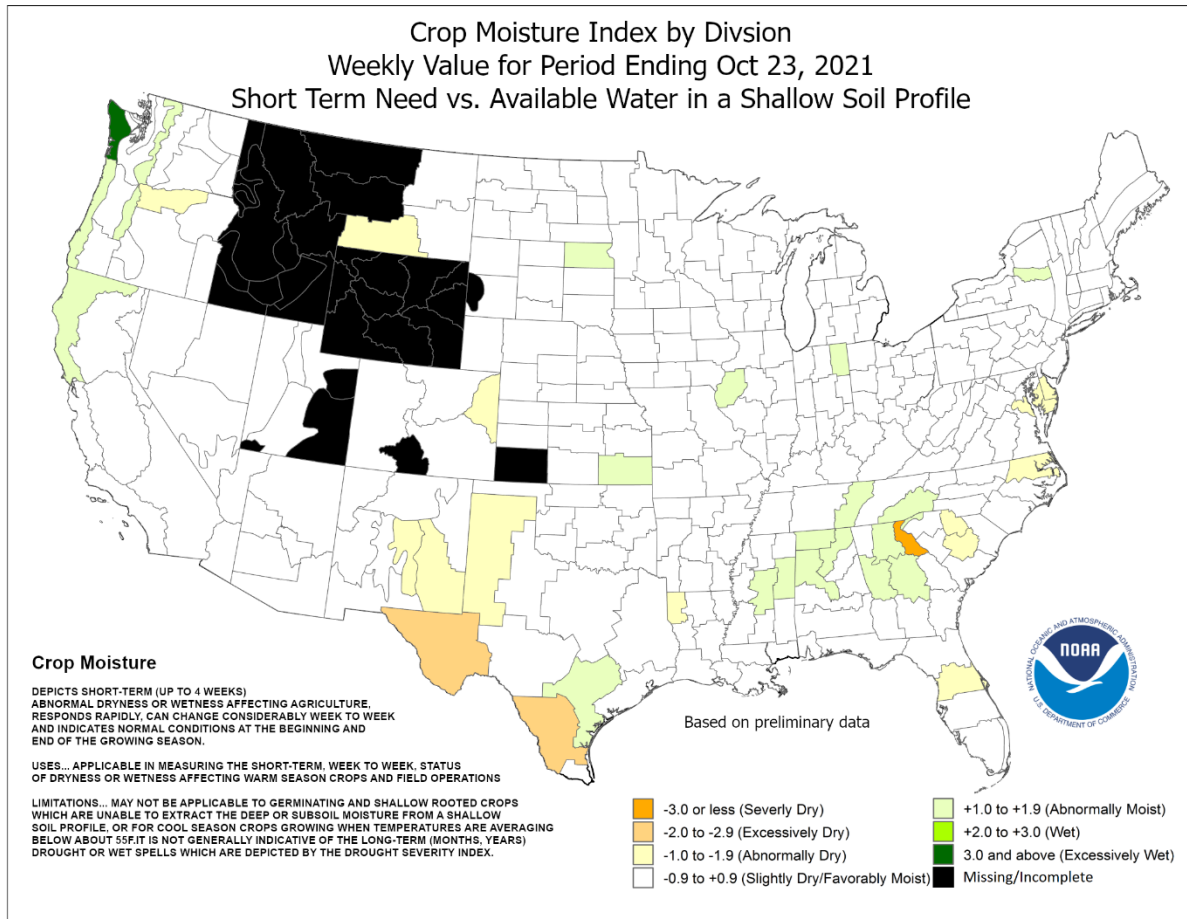
Highlights provided by USDA/WAOB

Mild, dry weather for much of the week favored autumn fieldwork, including summer crop harvesting and winter wheat planting, in a variety of regions. For example, **Southeastern** producers continued to make progress in catching up from earlier crop-developmental delays, although harvest progress for crops such as cotton and peanuts remained largely behind schedule. In the **Midwest**, summer crop harvesting quickly advanced for much of the week until showery weather arrived. Statewide, at least 15 percent of the corn and soybeans

Contents

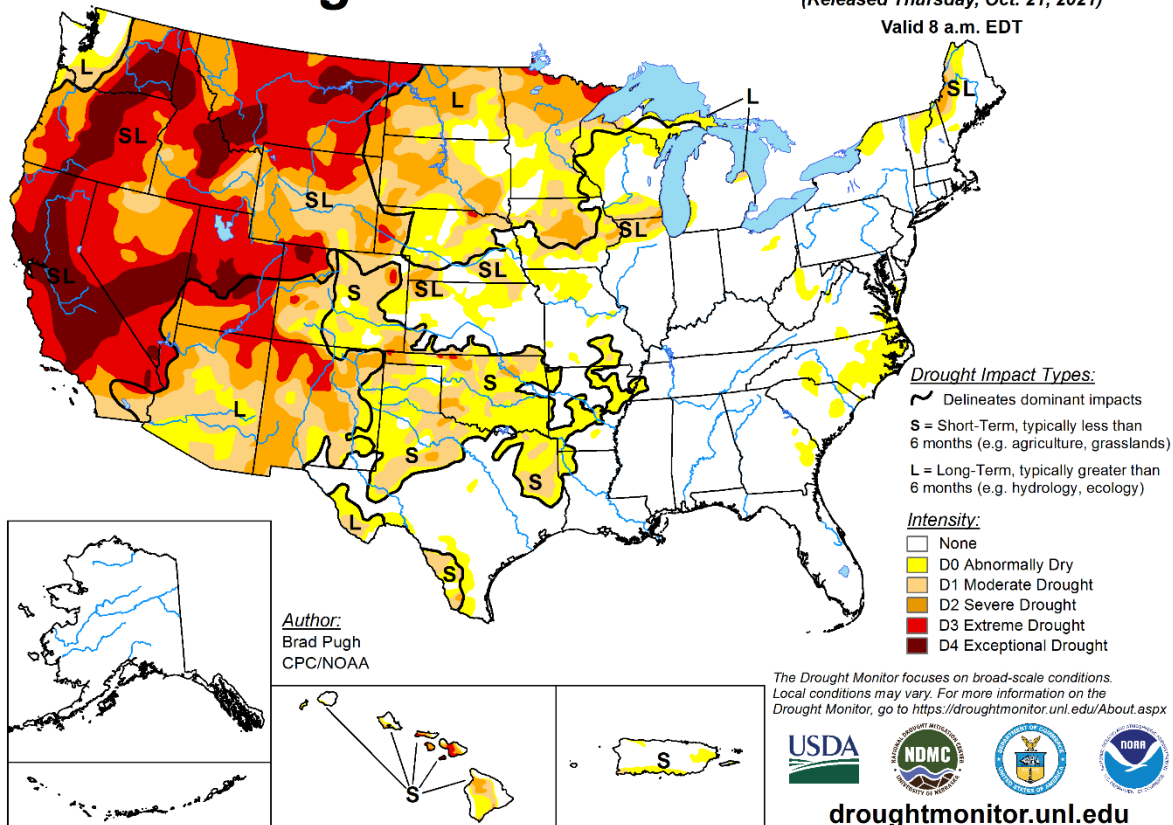
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U.S. Drought Monitor

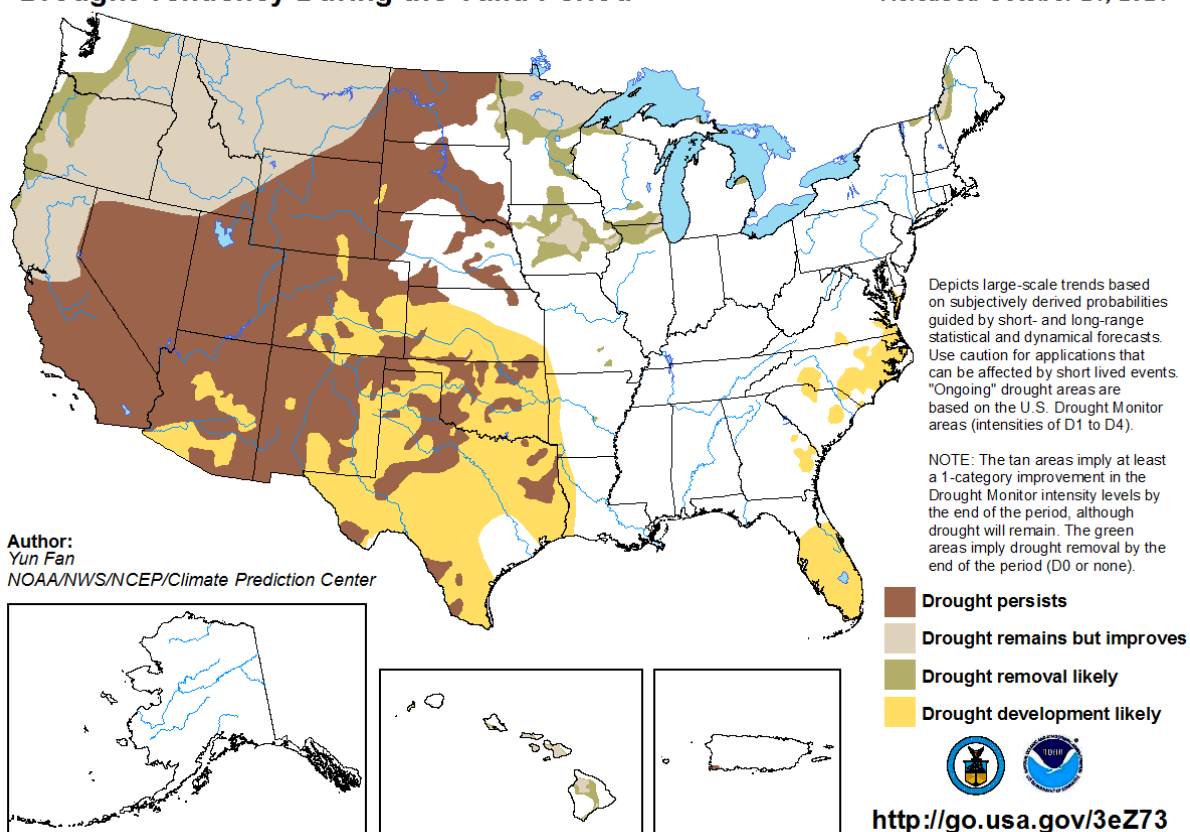
October 19, 2021
(Released Thursday, Oct. 21, 2021)
Valid 8 a.m. EDT

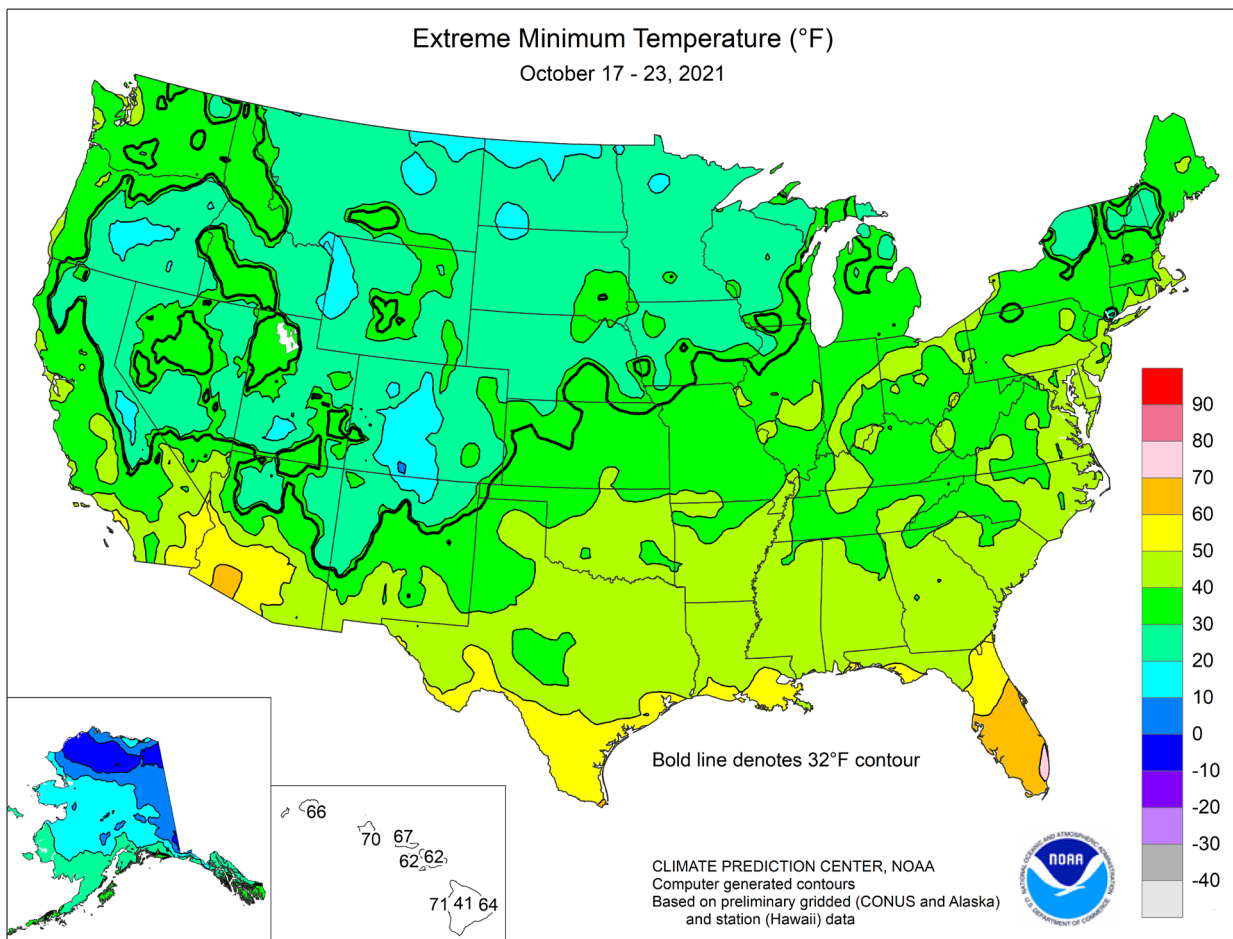
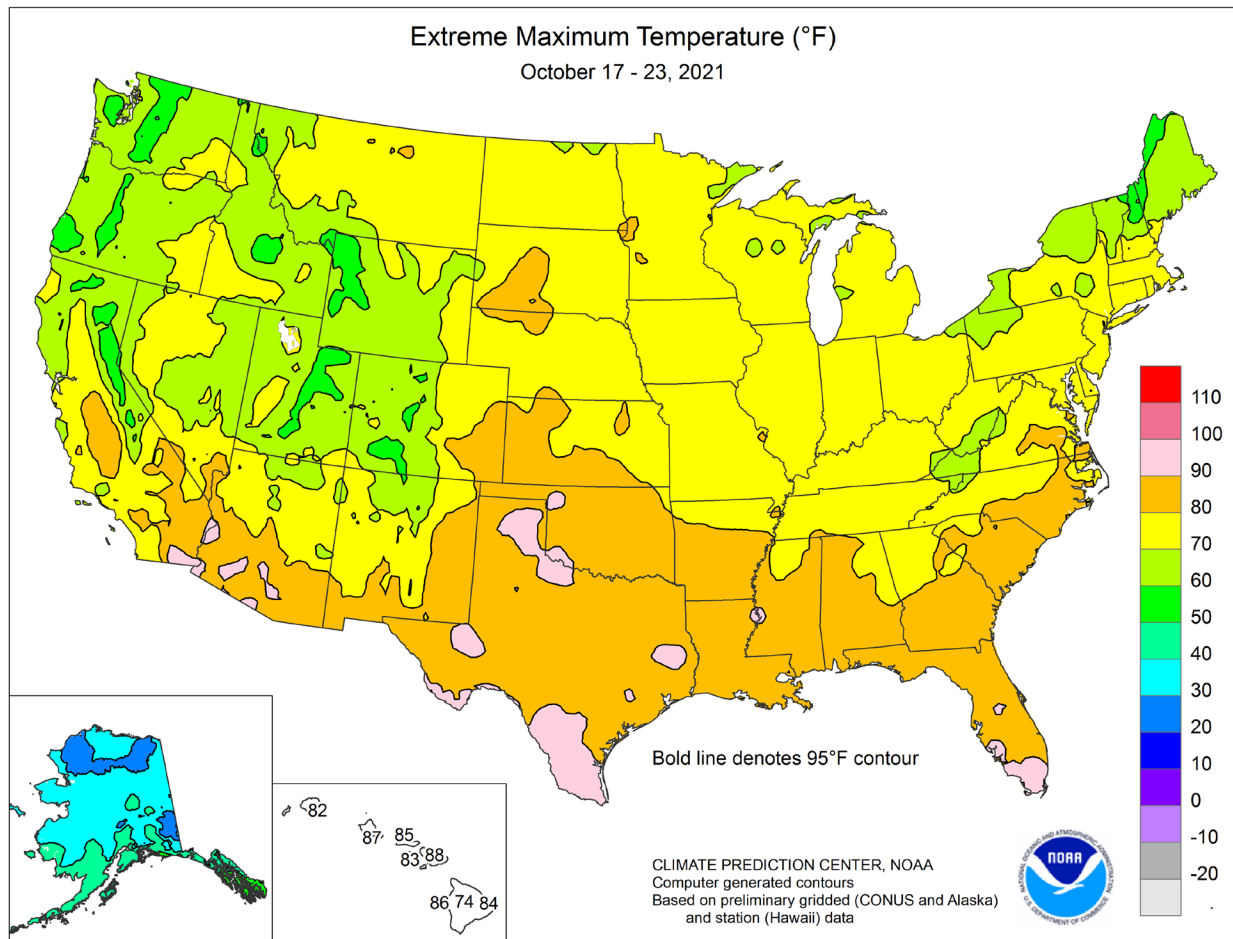


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for October 21, 2021 - January 31, 2022
Released October 21, 2021



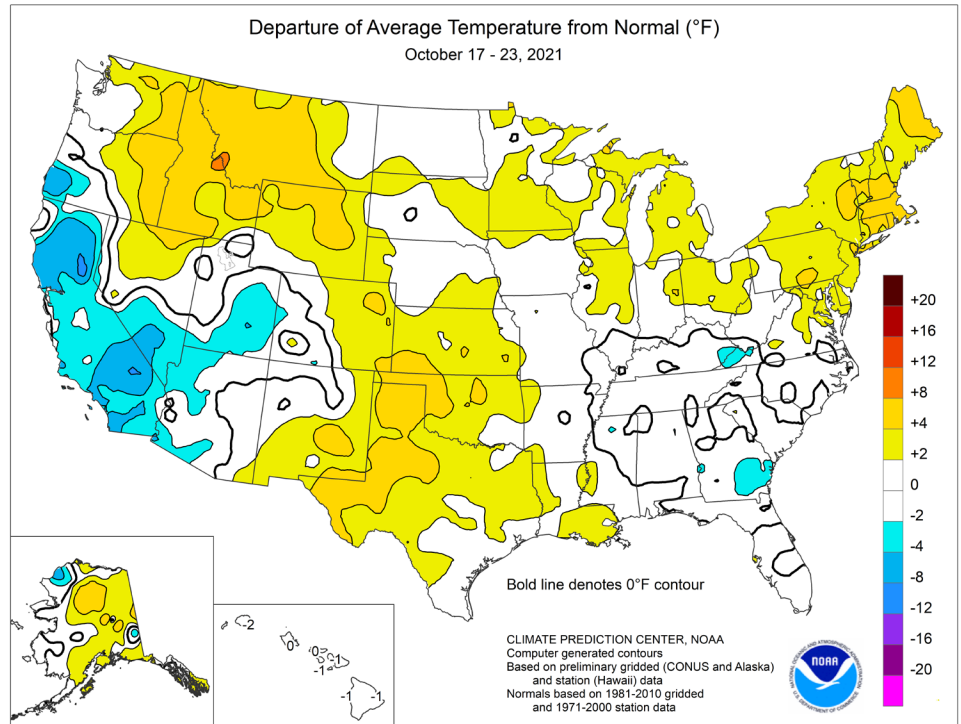


(Continued from front cover)

were harvested during the week in **Illinois, Ohio, and Wisconsin**. In addition, the soybean harvest was more than 90 percent complete by October 24 in **Minnesota** and the **Dakotas**. Aside from mid-week rain in **South Dakota** and environs, dry weather dominated the **Plains**. Across the **southern Plains**, warm, dry conditions favored fieldwork but reduced topsoil moisture for winter wheat and cover crops. Portions of the **northern High Plains** also remained extremely dry. In **northern California** and the **Northwest**, mid- to late-week precipitation signaled an important pattern change that would culminate in a record-setting storm system arriving on Sunday, October 24. Although temperatures were lower than the previous week across the **eastern half of the U.S.**, generally mild weather continued. Still, freezes finally occurred across roughly the **northwestern one-half of the Corn Belt**, generally 1 to 2 weeks or more beyond the normal first autumn freeze date. Meanwhile, late-season warmth prevailed for much of the week across the **southern half of the Plains** and the **Northwest**, averaging at least 5°F above normal in some locations. Elsewhere, cooler-than-normal conditions dominated **California** and the **Desert Southwest**, where weekly readings averaged as much as 5°F below normal.

Early in the week, below-normal temperatures from an earlier cool outbreak lingered in several areas. In **Texas**, **Dalhart** posted a daily-record low of 28°F on October 17. Meanwhile, warmth quickly returned across the **Northwest**. In **Montana**, highs surged to daily record-tying levels for October 17 in **Cut Bank** (77°F) and **Missoula** (75°F). As warm weather shifted eastward, daily-record highs included 73°F (on October 19) in **Marquette, MI**, and 80°F (on October 20) in **Newark, NJ**. Cool weather lingered for much of the week, however, in **California** and the **Great Basin**. Downtown **Oakland, CA**, notched a daily-record low of 48°F on October 19. During the second half of the week, unusual warmth was most apparent across the **South** and **Pacific Northwest**. Daily-record highs for October 21 rose to 90°F in **New Iberia, LA**, and 69°F in **Bellingham, WA**. Similarly, record-setting highs for October 22 included 86°F in **Florence, SC**, and 79°F in **Ontario, OR**. On October 23, daily-record highs climbed above the 90-degree mark in locations such as **Childress, TX** (94°F); **Tampa, FL** (91°F); and **Roswell, NM** (91°F).

Following several mostly tranquil days, October 19 featured a significant precipitation event unfolding across the **northern Intermountain West**. In **Wyoming**, daily-record totals reached 1.67 inches in **Lander** and 1.21 inches in **Casper**. In addition, **Casper** received 5.0 inches of snow on October 19-20,



boosting its month-to-date total to 17.7 inches. By October 20, record-setting rainfall totals in **South Dakota** included 0.92 inch in **Aberdeen** and 0.84 inch in **Sisseton**. Later, the first in a series of **Pacific** storms arrived along the **West Coast** on October 21, resulting in daily-record amounts in **Baker City, OR** (0.59 inch), and the **San Francisco Airport** (0.44 inch). **Baker City** reported another daily-record total (0.54 inch) on October 22. Record-setting totals for the 22nd were also set in locations such as **Alturas, CA** (0.60 inch); **Pendleton, OR** (0.56 inch); and **Pasco, WA** (0.34 inch). With 1.82 inches from October 22-24, **Klamath Falls, OR**, saw its year-to-date precipitation increase from 3.63 to 5.45 inches (from 48 to 71 percent of normal). Much heavier precipitation arrived in the **West** on October 24; details from that event will be summarized next week. Elsewhere, late-week rain erupted in parts of **Missouri**, where record-setting amounts for October 24 reached 2.90 inches in **Joplin** and 2.68 inches in **Springfield**.

Mild weather covered much of **Alaska**, although some sub-zero readings occurred across the state's northern tier. Meanwhile, the most significant precipitation fell in **southern Alaska**, where **Yakutat's** weekly rainfall reached 3.43 inches. **Ketchikan** netted 3.08 inches from October 20-23. Elsewhere, generally light precipitation fell across **mainland Alaska**, although **Bettles** measured 2.5 inches of snow on October 21. Farther south, mostly dry weather in **Hawaii's** leeward locations contrasted with regular showers on windward slopes. On the **Big Island**, **Hilo's** October 1-23 rainfall totaled 9.00 inches (123 percent of normal). At the state's other major airport observation sites, month-to-date rainfall ranged from 0.02 inch (2 percent of normal) in **Honolulu, Oahu**, to 0.77 inch (33 percent) in **Lihue, Kauai**. Meanwhile, **Kahului, Maui**, collected a daily record-tying low of 61°F on October 20.

National Weather Data for Selected Cities

Weather Data for the Week Ending October 23, 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	90 AND ABOVE	32 AND BELOW	PRECIP		
																			.01 INCH OR MORE	.50 INCH OR MORE	
AK	ANCHORAGE	42	34	45	29	38	6	0.48	0.08	0.43	3.26	70	12.68	90	84	62	0	2	2	0	
	BARROW	27	19	31	4	23	8	0.26	0.17	0.12	2.41	221	5.89	135	87	70	0	7	6	0	
	FAIRBANKS	40	20	48	16	30	9	0.00	-0.20	0.00	1.66	92	12.18	128	83	53	0	7	0	0	
	JUNEAU	47	36	51	27	42	1	0.62	-1.30	0.37	18.22	118	63.64	131	91	66	0	2	4	0	
	KODIAK	46	43	48	39	44	5	0.10	-1.76	0.05	3.44	25	47.82	79	85	69	0	0	3	0	
AL	NOME	35	26	39	16	30	3	0.54	0.21	0.32	3.44	92	18.75	131	84	64	0	6	3	0	
	BIRMINGHAM	74	51	80	45	63	0	0.00	-0.75	0.00	9.18	143	61.73	141	96	44	0	0	0	0	
	HUNTSVILLE	75	46	81	39	60	-1	0.23	-0.57	0.23	8.78	139	55.96	131	98	44	0	0	1	0	
	MOBILE	80	56	86	44	68	1	0.45	-0.33	0.45	9.06	116	72.37	131	97	47	0	0	1	0	
	MONTGOMERY	79	50	84	42	65	0	1.26	0.63	0.83	9.67	158	46.36	108	94	44	0	0	2	1	
AR	FORT SMITH	78	50	84	44	64	3	0.00	-1.04	0.00	9.43	130	41.17	112	89	36	0	0	0	0	
	LITTLE ROCK	77	48	84	44	62	0	0.00	-1.25	0.00	3.77	55	34.63	90	93	38	0	0	0	0	
AZ	FLAGSTAFF	60	27	65	22	44	-2	0.00	-0.36	0.00	2.47	68	20.10	112	85	28	0	7	0	0	
	PHOENIX	86	62	90	59	74	-1	0.00	-0.13	0.00	1.07	100	5.29	81	47	19	1	0	0	0	
	PRESCOTT	69	37	75	34	53	-2	0.00	-0.20	0.00	2.85	127	11.37	94	77	27	0	0	0	0	
CA	TUCSON	87	57	92	53	72	2	0.00	-0.17	0.00	0.73	36	11.71	115	53	15	1	0	0	0	
	BAKERSFIELD	75	54	85	47	65	-1	0.03	-0.05	0.03	0.03	10	2.00	41	69	28	0	0	1	0	
	EUREKA	61	48	72	41	55	0	1.61	1.03	0.47	2.76	140	16.55	64	93	68	0	0	6	0	
	FRESNO	74	54	83	46	64	-1	0.01	-0.16	0.01	0.41	66	5.51	64	72	30	0	0	1	0	
	LOS ANGELES	67	56	70	53	62	-4	0.01	-0.12	0.01	0.07	12	3.41	35	96	54	0	0	1	0	
CO	REDDING	63	48	73	39	56	-6	2.34	1.78	0.86	2.78	143	11.96	52	94	57	0	0	7	1	
	SACRAMENTO	68	51	74	40	59	-3	0.67	0.41	0.32	0.72	76	5.20	40	98	46	0	0	4	0	
	SAN DIEGO	70	56	75	52	63	-3	0.00	-0.15	0.00	1.28	223	5.02	65	80	53	0	0	0	0	
	SAN FRANCISCO	65	54	69	48	60	-2	1.28	1.04	0.48	1.28	166	6.71	48	92	56	0	0	5	0	
	STOCKTON	70	49	78	39	60	-3	0.35	0.14	0.30	0.36	43	6.28	63	91	38	0	0	3	0	
CT	ALAMOSA	62	18	67	14	40	-2	0.00	-0.12	0.00	0.61	43	5.46	84	80	19	0	4	0	0	
	CO SPRINGS	69	35	75	30	52	4	0.00	-0.20	0.00	0.98	52	14.17	90	55	12	0	3	0	0	
	DENVER INTL	69	37	77	24	53	3	0.00	-0.24	0.00	0.33	18	11.24	84	61	17	0	3	0	0	
	GRAND JUNCTION	62	36	72	32	49	-2	0.10	-0.14	0.08	2.69	134	6.85	85	88	34	0	1	2	0	
	PUEBLO	74	31	82	27	53	2	0.00	-0.17	0.00	1.08	79	16.03	136	66	14	0	5	0	0	
DC	BRIDGEPORT	68	49	77	43	59	5	0.05	-0.77	0.04	9.10	147	37.34	106	83	46	0	0	2	0	
	HARTFORD	68	46	77	39	57	6	0.00	-0.97	0.00	9.02	124	47.12	125	91	44	0	0	0	0	
DE	WASHINGTON	72	52	78	47	62	4	0.00	-0.74	0.00	4.44	71	37.89	116	77	36	0	0	0	0	
FL	WILMINGTON	69	47	77	43	58	3	1.15	0.44	0.69	12.67	183	37.94	106	89	46	0	0	4	1	
	DAYTONA BEACH	84	64	87	57	74	1	0.00	-0.83	0.00	4.74	45	35.59	81	88	49	0	0	0	0	
	JACKSONVILLE	81	55	86	50	68	-1	0.00	-0.67	0.00	7.12	61	44.33	94	97	49	0	0	0	0	
	KEY WEST	85	76	88	75	81	1	0.24	-0.80	0.16	4.21	39	24.05	70	89	66	0	0	2	0	
	MIAMI	86	75	91	73	81	1	1.87	0.67	0.98	15.23	101	49.70	89	87	59	1	0	3	2	
GA	ORLANDO	87	66	90	62	77	2	0.00	-0.67	0.00	6.48	74	36.30	80	86	42	2	0	0	0	
	PENSACOLA	81	62	88	54	71	3	0.03	-1.12	0.02	22.30	225	82.72	151	87	53	0	0	2	0	
	TALLAHASSEE	82	54	88	46	68	0	0.00	-0.67	0.00	11.43	160	44.28	86	93	41	0	0	0	0	
	TAMPA	88	69	91	65	78	3	0.00	-0.42	0.00	7.42	91	43.33	103	78	42	1	0	0	0	
	WEST PALM BEACH	85	75	88	72	80	3	0.55	-0.49	0.54	14.91	121	42.17	79	77	58	0	0	2	1	
HI	ATHENS	77	48	81	42	63	1	0.61	-0.13	0.46	7.80	117	43.42	114	88	38	0	0	2	0	
	ATLANTA	74	52	77	47	63	1	0.20	-0.49	0.20	6.75	95	45.73	111	85	39	0	0	1	0	
	AUGUSTA	80	46	84	41	63	0	0.00	-0.72	0.00	7.34	126	47.86	130	96	32	0	0	0	0	
	COLUMBUS	77	50	80	43	64	-2	0.10	-0.44	0.06	13.92	281	50.84	135	90	37	0	0	2	0	
	MACON	79	47	82	41	63	-1	0.01	-0.59	0.01	10.28	180	44.30	117	96	36	0	0	1	0	
IA	SAVANNAH	78	51	84	46	65	-2	0.00	-0.74	0.00	10.63	139	43.28	103	97	38	0	0	0	0	
	HILO	82	67	84	64	75	-1	1.50	-0.65	0.88	17.78	106	105.69	109	85	58	0	0	5	1	
	HONOLULU	86	74	87	70	80	0	0.00	-0.45	0.00	0.15	7	9.75	89	73	41	0	0	0	0	
	KAHULUI	86	69	88	62	77	-1	0.00	-0.31	0.00	0.63	50	15.18	126	78	48	0	0	0	0	
	LIHUE	81	71	82	66	76	-2	0.06	-0.89	0.03	2.61	54	25.70	98	92	67	0	0	3	0	
ID	BURLINGTON	64	44	73	36	54	0	0.00	-0.67	0.00	4.56	78	34.14	103	90	49	0	0	0	0	
	CEDAR RAPIDS	62	37	73	29	50	0	0.09	-0.47	0.06	5.06	99	17.43	57	96	51	0	2	2	0	
	DES MOINES	64	41	76	33	53	1	0.02	-0.59	0.01	2.64	52	20.61	64	84	45	0	0	2	0	
	DUBUQUE	63	38	73	30	51	2	0.16	-0.44	0.16	3.39	63	24.56	78	92	48	0	2	1	0	
	SIOUX CITY	64	35	77	27	49	0	0.09	-0.33	0.08	2.89	62	19.08	75	89	44	0	3	2	0	
IL	WATERLOO	64	36	76	26	50	2	0.12	-0.44	0.11	3.14	69	19.81	64	87	45	0	2	2	0	
	BOISE	67	46	76	39	57	5	0.39	0.22	0.39	1.24	112	8.37	96	69	28	0	0	1	0	
	LEWISTON	68	48	77	41	58	8	0.17	-0.07	0.15	0.98	71	4.42	44	74	35	0	0	2	0	
	POCATELLO	64	36	70	25	49	4	0.16	-0.04	0.09	1.83	119	8.22	85	87	32	0	2	2	0	
	CHICAGO/O'HARE	65	45	72	39	55	4	0.00	-0.71	0.00	3.37	61	22.37	73	80	44	0	0	0	0	
IN	MOLINE	66	41	75	32	54	2	0.02	-0.65	0.01	3.35	64	30.00	92	92	45	0	1	2	0	
	PEORIA	66	46	76	39	56	3	0.03	-0.63	0.03	5.13	98	35.81	119	85	46	0	0	1	0	
	ROCKFORD	66	39	74	31	52	2	0.00	-0.59	0.00	3.96	74	19.16	61	92	44	0	1	0	0	
	SPRINGFIELD	67	45	78	39	56	2	0.07	-0.67	0.07	6.4										

Weather Data for the Week Ending October 23, 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
KY	WICHITA	74	46	83	41	60	3	0.12	-0.52	0.12	6.17	116	27.81	94	85	40	0	0	1	0
	LEXINGTON	66	42	73	39	54	-2	0.08	-0.63	0.08	7.99	155	48.27	131	92	52	0	0	1	0
	LOUISVILLE	70	48	76	46	59	1	0.06	-0.66	0.06	7.20	132	40.59	110	89	45	0	0	1	0
	PADUCAH	70	44	77	39	57	0	0.19	-0.72	0.19	5.69	84	40.78	103	89	40	0	0	1	0
LA	BATON ROUGE	82	58	89	46	70	-1	0.00	-1.05	0.00	8.54	95	71.54	141	97	51	0	0	0	0
	LAKE CHARLES	83	60	88	49	71	3	0.00	-1.25	0.00	9.33	106	65.17	138	97	47	0	0	0	0
	NEW ORLEANS	82	67	87	61	75	5	0.00	-0.80	0.00	10.82	143	78.04	150	87	50	0	0	0	0
	SHREVEPORT	83	54	90	46	69	3	0.00	-1.27	0.00	2.91	43	39.96	98	83	35	1	0	0	0
MA	BOSTON	67	51	75	46	59	6	0.00	-0.89	0.00	8.89	140	42.65	122	82	40	0	0	0	0
	WORCESTER	63	46	72	39	55	6	0.04	-0.99	0.04	10.35	138	47.62	123	88	44	0	0	1	0
MD	BALTIMORE	73	48	78	43	60	5	0.00	-0.71	0.00	6.26	96	33.17	96	87	36	0	0	0	0
ME	CARIBOU	55	43	62	38	49	7	1.41	0.63	1.22	7.74	131	29.04	95	87	66	0	0	5	1
	PORTLAND	62	42	71	37	52	5	0.26	-0.87	0.24	5.69	78	31.13	84	95	53	0	0	3	0
MI	ALPENA	62	37	76	29	50	5	0.40	-0.14	0.25	4.81	98	22.87	97	94	48	0	2	3	0
	GRAND RAPIDS	62	41	72	34	51	2	0.85	0.15	0.52	7.57	113	30.54	97	97	54	0	0	3	1
	HOUGHTON LAKE	65	39	71	32	52	7	1.29	0.81	1.03	5.74	117	24.70	103	95	47	0	1	2	1
	LANSING	64	41	74	35	53	4	0.31	-0.21	0.29	6.28	117	28.51	108	89	46	0	0	3	0
MN	MUSKEGON	63	44	69	35	54	4	0.43	-0.25	0.28	3.98	64	25.37	95	88	58	0	0	4	0
	TRAVERSE CITY	61	42	75	36	52	5	0.30	-0.38	0.18	4.31	73	24.65	91	95	52	0	0	4	0
	DULUTH	56	36	71	25	46	4	0.17	-0.42	0.17	5.19	81	20.43	75	89	48	0	3	1	0
	INT'L FALLS	54	32	73	26	43	3	0.01	-0.41	0.01	5.12	111	15.35	71	87	50	0	4	1	0
MO	MINNEAPOLIS	62	40	79	31	51	4	0.72	0.21	0.67	2.50	50	22.08	81	84	39	0	1	2	1
	ROCHESTER	62	37	74	28	49	0	0.04	-0.44	0.02	2.48	48	23.21	78	92	45	0	3	2	0
	ST. CLOUD	59	35	77	26	47	3	0.40	-0.12	0.40	5.16	95	21.31	85	92	46	0	4	1	0
	COLUMBIA	68	46	74	40	57	2	0.02	-0.72	0.02	7.69	120	45.46	125	89	48	0	0	1	0
MS	KANSAS CITY	68	44	75	36	56	1	0.02	-0.66	0.02	5.04	71	36.51	105	83	44	0	0	1	0
	SAINT LOUIS	69	49	81	45	59	2	0.06	-0.71	0.04	4.94	88	36.67	110	79	46	0	0	2	0
	SPRINGFIELD	69	46	73	38	58	1	2.65	1.83	2.65	7.06	97	42.74	114	92	50	0	0	1	1
	JACKSON	80	50	86	42	65	1	0.03	-0.90	0.03	2.40	40	43.17	99	94	39	0	0	1	0
MT	MERIDIAN	78	50	85	42	64	1	0.20	-0.67	0.20	8.31	135	62.41	138	93	42	0	0	1	0
	TUPELO	77	48	82	44	62	1	0.19	-0.75	0.16	4.36	66	62.22	144	91	42	0	0	2	0
	BILLINGS	62	40	73	35	51	4	0.00	-0.25	0.00	1.04	46	8.31	67	75	33	0	0	0	0
	BUTTE	61	29	67	25	45	6	0.03	-0.13	0.03	0.37	22	5.28	45	83	28	0	6	1	0
NC	CUT BANK	53	32	77	23	43	1	0.00	-0.09	0.00	0.13	8	4.77	46	74	44	0	3	0	0
	GLASGOW	60	32	79	23	46	3	0.00	-0.16	0.00	0.19	11	4.83	44	85	39	0	4	0	0
	GREAT FALLS	63	35	75	24	49	5	0.01	-0.16	0.01	0.25	11	9.94	73	73	31	0	4	1	0
	HAVRE	64	29	80	20	47	4	0.00	-0.12	0.00	0.09	5	5.81	55	81	28	0	5	0	0
ND	MISSOULA	64	36	75	27	50	6	0.44	0.25	0.35	1.04	56	8.38	70	86	35	0	3	3	0
	ASHEVILLE	69	41	74	37	55	0	0.00	-0.63	0.00	7.29	121	51.76	137	97	38	0	0	0	0
	CHARLOTTE	77	46	81	39	61	3	0.07	-0.69	0.07	3.46	59	31.60	92	94	32	0	0	1	0
	GREENSBORO	73	46	78	42	59	1	0.02	-0.67	0.02	4.92	76	35.53	101	88	35	0	0	1	0
NE	HATTERAS	74	63	80	61	69	4	0.00	-1.23	0.00	11.39	110	55.24	116	82	53	0	0	0	0
	RALEIGH	74	46	79	42	60	1	0.01	-0.69	0.01	8.43	124	39.33	108	96	40	0	0	1	0
	WILMINGTON	79	54	84	46	66	2	0.00	-0.78	0.00	11.07	100	56.19	112	92	39	0	0	0	0
	BISMARCK	57	32	75	21	44	1	0.00	-0.28	0.00	3.99	156	10.61	64	90	44	0	4	0	0
NV	DICKINSON	58	31	77	20	45	2	0.01	-0.25	0.01	3.15	126	12.69	85	87	42	0	4	1	0
	FARGO	56	33	77	23	44	0	0.00	-0.48	0.00	5.29	123	14.99	73	84	43	0	4	0	0
	GRAND FORKS	54	30	74	21	42	0	0.00	-0.44	0.00	4.18	116	16.00	84	90	51	0	5	0	0
	JAMESTOWN	55	31	75	24	43	1	0.00	-0.34	0.00	3.27	101	10.33	59	88	46	0	4	0	0
NH	GRAND ISLAND	68	40	78	35	54	4	0.00	-0.41	0.00	2.33	63	24.87	101	83	38	0	0	0	0
	LINCOLN	69	39	79	28	54	2	0.01	-0.41	0.01	1.54	34	22.12	84	84	39	0	2	1	0
	NORFOLK	65	37	78	27	51	2	0.01	-0.43	0.01	2.14	49	22.66	91	87	41	0	2	1	0
	NORTH PLATTE	66	31	77	27	49	1	0.00	-0.38	0.00	2.50	93	21.26	112	91	40	0	4	0	0
NJ	OMAHA	67	42	78	34	55	3	0.00	-0.48	0.00	3.44	79	28.02	102	85	42	0	0	0	0
	SCOTTSBLUFF	67	33	79	29	50	3	0.38	0.12	0.37	1.69	81	9.07	63	89	34	0	3	2	0
	VALENTINE	64	33	82	25	48	2	0.16	-0.11	0.16	4.66	176	20.20	107	87	39	0	3	1	0
	CONCORD	65	40	73	32	53	6	0.04	-0.88	0.04	4.76	74	33.21	102	93	40	0	1	1	0
NM	ATLANTIC CITY	70	47	77	41	58	4	0.00	-0.76	0.00	4.48	79	39.62	117	91	43	0	0	0	0
	NEWARK	71	52	80	46	61	6	0.04	-0.75	0.03	10.62	163	46.95	124	75	37	0	0	2	0
NV	ALBUQUERQUE	72	44	76	40	58	2	0.00	-0.23	0.00	1.16	60	5.03	60	45	14	0	0	0	0
	ELY	59	31	67	27	45	1	0.09	-0.14	0.08	0.38	23	5.00	59	77	23	0	6	2	0
NY	LAS VEGAS	76	55	83	49	66	-2	0.00	-0.08	0.00	0.18	34	1.32	37	36	16	0	0	0	0
	RENO	60	43	68	30	52	-1	0.01	-0.10	0										

Weather Data for the Week Ending October 23, 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	66	44	75	37	55	4	0.33	-0.23	0.30	10.34	219	34.12	122	84	39	0	0	2	0
	YOUNGSTOWN	62	43	71	36	52	3	0.68	0.11	0.60	5.13	88	37.14	116	92	55	0	0	4	1
	OKLAHOMA CITY	76	50	84	41	63	2	0.11	-0.75	0.11	3.67	53	27.28	85	84	36	0	0	1	0
OR	TULSA	77	51	85	45	64	3	0.00	-0.94	0.00	5.07	70	32.86	94	84	40	0	0	0	0
	ASTORIA	59	48	64	41	53	2	2.04	0.51	0.74	8.02	132	46.27	104	95	66	0	0	6	1
	BURNS	63	32	71	21	47	4	0.47	0.26	0.40	1.13	112	6.77	83	86	36	0	3	3	0
PA	EUGENE	60	46	64	37	53	2	1.18	0.35	0.68	4.28	130	18.68	63	96	68	0	0	6	1
	MEDFORD	62	45	74	36	53	-1	1.44	1.17	0.50	3.17	249	9.53	82	97	46	0	0	5	1
	PENDLETON	68	44	76	35	56	6	0.55	0.30	0.55	1.23	97	5.48	58	83	38	0	0	1	1
	PORTLAND	61	50	67	40	55	2	1.77	1.01	0.67	6.40	187	21.03	88	89	61	0	0	4	2
	SALEM	60	48	67	42	54	3	1.22	0.45	0.63	4.58	143	23.63	93	95	65	0	0	7	1
	ALLENTOWN	66	44	75	40	55	4	0.01	-0.81	0.01	5.76	75	34.40	92	89	48	0	0	1	0
	ERIE	62	49	70	45	56	4	0.81	-0.01	0.41	6.61	85	31.00	92	84	56	0	0	4	0
	MIDDLETOWN	68	48	77	44	58	5	0.07	-0.62	0.06	11.76	178	41.31	123	79	41	0	0	2	0
	PHILADELPHIA	68	50	76	46	59	3	0.01	-0.67	0.01	7.11	115	38.96	114	80	45	0	0	1	0
	PITTSBURGH	62	44	70	37	53	2	0.45	-0.05	0.30	5.34	112	31.54	100	90	53	0	0	3	0
RI	WILKES-BARRE	64	46	74	42	55	5	0.28	-0.43	0.09	10.65	182	37.77	122	90	55	0	0	5	0
	WILLIAMSPORT	65	44	75	39	54	4	0.32	-0.40	0.23	11.07	164	38.06	113	89	50	0	0	3	0
	PROVIDENCE	69	50	76	43	59	7	0.04	-0.83	0.04	7.12	105	38.58	103	84	42	0	0	1	0
SC	CHARLESTON	78	51	83	46	65	-1	0.00	-0.78	0.00	10.20	112	51.94	116	94	38	0	0	0	0
	COLUMBIA	78	47	82	40	63	0	0.00	-0.74	0.00	4.95	82	42.69	112	92	33	0	0	0	0
	FLORENCE	81	48	86	42	64	1	0.00	-0.67	0.00	2.57	42	37.85	103	83	28	0	0	0	0
SD	GREENVILLE	75	46	80	41	60	0	0.00	-0.76	0.00	5.00	83	38.19	100	89	33	0	0	0	0
	ABERDEEN	58	34	79	27	46	3	0.94	0.49	0.90	5.24	137	16.70	83	87	47	0	4	2	1
	HURON	61	37	79	31	49	2	1.07	0.68	0.96	5.52	142	15.83	74	86	47	0	2	2	1
TN	RAPID CITY	61	33	78	25	47	1	0.42	0.12	0.26	3.41	140	14.95	98	94	48	0	3	2	0
	SIOUX FALLS	62	37	76	31	49	3	0.64	0.20	0.56	4.30	95	23.95	100	87	48	0	2	2	1
	BRISTOL	68	43	73	37	55	0	0.07	-0.37	0.06	4.19	93	35.62	105	94	44	0	0	2	0
TX	CHATTANOOGA	73	48	78	44	61	1	0.99	0.29	0.99	10.79	167	56.45	135	97	44	0	0	1	1
	KNOXVILLE	69	47	74	42	58	-1	0.22	-0.31	0.22	5.41	107	40.54	104	98	48	0	0	1	0
	MEMPHIS	75	51	80	46	63	0	0.00	-0.98	0.00	4.99	84	43.87	106	88	39	0	0	0	0
	NASHVILLE	73	46	79	43	60	1	0.06	-0.60	0.06	7.24	130	51.37	135	85	38	0	0	1	0
	ABILENE	82	58	87	45	70	5	0.00	-0.73	0.00	3.40	75	19.75	92	81	42	0	0	0	0
	AMARILLO	80	47	90	41	64	6	0.00	-0.37	0.00	1.29	40	14.36	77	76	22	1	0	0	0
	AUSTIN	83	60	89	49	72	2	0.00	-1.00	0.00	6.29	120	30.94	113	85	43	0	0	0	0
	BEAUMONT	82	60	87	48	71	1	0.03	-1.33	0.03	13.88	136	59.78	121	100	56	0	0	1	0
	BROWNSVILLE	88	68	91	62	78	3	0.00	-0.83	0.00	13.70	153	31.43	132	91	51	4	0	0	0
	CORPUS CHRISTI	84	65	88	55	74	1	0.00	-0.89	0.00	11.98	154	42.01	155	95	57	0	0	0	0
UT	DEL RIO	86	66	91	54	76	5	0.00	-0.52	0.00	0.33	8	13.33	77	77	43	2	0	0	0
	EL PASO	84	55	87	48	69	5	0.00	-0.12	0.00	0.57	28	11.20	132	47	18	0	0	0	0
	FORT WORTH	81	59	86	47	70	4	0.00	-1.11	0.00	3.43	61	28.75	96	81	36	0	0	0	0
	GALVESTON	83	71	87	64	77	4	1.41	0.00	1.41	11.09	0	39.48	0	80	56	0	0	1	1
	HOUSTON	83	61	88	50	72	2	0.01	-1.42	0.01	11.05	132	43.43	108	91	48	0	0	1	0
	LUBBOCK	81	51	89	38	66	6	0.00	-0.44	0.00	1.20	29	19.54	114	76	25	0	0	0	0
	MIDLAND	82	54	88	40	68	5	0.00	-0.37	0.00	0.16	4	13.59	104	83	30	0	0	0	0
	SAN ANGELO	81	55	87	39	68	3	0.00	-0.67	0.00	2.50	54	21.41	114	90	43	0	0	0	0
	SAN ANTONIO	81	60	86	48	70	0	0.00	-1.04	0.00	8.07	130	30.49	112	90	50	0	0	0	0
	VICTORIA	84	59	89	50	71	0	0.27	-0.90	0.27	4.96	64	51.31	148	95	47	0	0	1	0
VA	WACO	83	57	88	43	70	3	0.00	-0.98	0.00	3.89	64	26.78	95	91	43	0	0	0	0
	WICHITA FALLS	82	51	89	44	67	3	0.00	-0.79	0.00	1.48	28	23.10	93	89	37	0	0	0	0
	SALT LAKE CITY	63	41	72	37	52	1	0.92	0.57	0.65	2.28	97	11.54	89	89	33	0	0	3	1
VT	LYNCHBURG	73	42	80	39	58	3	0.00	-0.69	0.00	2.79	45	28.50	84	88	33	0	0	0	0
	NORFOLK	72	51	80	49	62	1	0.05	-0.69	0.05	3.05	41	32.52	83	90	43	0	0	1	0
	RICHMOND	73	48	80	43	61	2	0.00	-0.64	0.00	8.25	130	42.09	116	90	39	0	0	0	0
WA	ROANOKE	71	48	78	47	60	3	0.06	-0.58	0.06	6.06	101	33.94	99	78	36	0	0	1	0
	WASH/DULLES	71	45	77	39	58	4	0.00	-0.70	0.00	5.11	81	29.19	85	90	37	0	0	0	0
	BURLINGTON	59	43	69	35	51	5	0.56	-0.22	0.27	5.57	88	25.97	85	89	56	0	0	4	0
WI	OLYMPIA	56	44	59	36	50	1	1.03	-0.14	0.59	5.03	107	33.12	102	99	73	0	0	5	1
	QUILLAYUTE	57	45	63	37	51	2	3.05	0.45	0.97	22.15	203	65.81	97	100	69	0	0	5	3
	SEATTLE-TACOMA	59	49	69	45	54	2	1.02	0.17	0.39	5.16	137	24.97	102	94	62	0	0	5	0
WV	SPOKANE	60	43	68	39	52	6	0.29	0.00	0.20	1.56	109	6.46	55	87	45	0	0	2	0
	YAKIMA	63	37	68	33	50	3	0.50	0.36	0.39	0.74	95	3.48	61	100	51	0	0	3	0
	EAU CLAIRE	62	34	75	27	48	2	0.44	-0.05	0.44	3.37	61	20.99	75	95	44				

National Agricultural Summary

October 18 – 24, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

More than twice the normal amount of precipitation was recorded in much of the Pacific Northwest, as well as parts of the Corn Belt, Great Plains, and Rockies. Portions of northern California received at least 6 inches of rain during the week. Meanwhile, most of the nation was warmer than normal. Parts

of New Mexico, the Pacific Northwest, southern Plains, and northern Rockies recorded temperatures 6°F or more above normal. In contrast, much of California, Arizona, Nevada, and Utah were cooler than normal. Parts of California recorded temperatures 6°F or more below normal.

Corn: Sixty-six percent of the 2021 corn acreage was harvested by week's end, 4 percentage points behind last year but 13 points ahead of the 5-year average harvest pace. Harvest progress advanced 10 percentage points or more during the week in 12 of the 18 estimating states.

Soybean: Soybean harvest across the nation was 73 percent complete by week's end, 9 percentage points behind last year but 3 points ahead of the 5-year average. During the week, harvest progress advanced 10 percentage points or more in 14 of the 18 estimating states.

Winter Wheat: Nationwide, producers had sown 80 percent of the intended 2022 winter wheat acreage by October 24, four percentage points behind last year but equal to the 5-year average. Planting progress advanced by 10 percentage points or more during the week in nine of the 18 estimating states. Nationwide, 55 percent of the winter wheat acreage had emerged by October 24, five percentage points behind last year and 4 points behind average. During the week, winter wheat emergence advanced by 10 percentage points or more in 13 of the 18 estimating states. As of October 24, forty-six percent of the 2022 winter wheat acreage was reported in good to excellent condition, 5 percentage points above the same time last year.

Sorghum: By October 24, ninety-six percent of the nation's sorghum acreage was mature, 1 percentage point behind last year but 3 points ahead of the 5-year average. Seventy-one percent of the 2021 sorghum acreage had been harvested by October 24, one percentage point behind last year but 11 points ahead of average. During the week, sorghum harvest advanced 10 percentage points or more in Colorado, Kansas, and Nebraska.

Cotton: By October 24, ninety-one 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 24, thirty-five percent of the nation's cotton acreage was harvested, 6 percentage points behind both last year and the average. Cotton harvest advanced 15 percentage points or more during the week in Arkansas, California, Louisiana, and Missouri. On October 24, sixty-four percent of the 2021 cotton acreage was rated in good to excellent condition, unchanged from the previous week but 24 percentage points above the same time last year.

Rice: Nationally, 95 percent of the rice acreage was harvested by October 24, one percentage point ahead of last year but equal to the 5-year average. Harvest progress was complete or nearing completion in five of the six estimating states.

Other Crops: Fifty-one percent of the nation's peanut acreage was harvested as of October 24, three percentage points behind last year and 13 points behind the 5-year average. On October 24, seventy-three percent of the nation's peanut acreage was rated in good to excellent condition, 2 percentage points above the previous week and 9 points above the same time last year.

By October 24, sugarbeet producers had harvested 64 percent of the nation's crop, 24 percentage points behind last year and 10 points behind the 5-year average. Sugarbeet harvest advanced 30 percentage points or more during the week in Minnesota and North Dakota.

By October 24, forty percent of this year's sunflower crop was harvested, 8 percentage points behind last year but 6 points ahead of the 5-year average. During the week, harvest progress advanced 10 percentage points or more in three of the four estimating states.

Crop Progress and Condition

Week Ending October 24, 2021

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

Cotton Percent Bolls Opening				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
AL	95	84	89	95
AZ	100	100	100	100
AR	100	100	100	100
CA	94	95	96	91
GA	92	87	90	96
KS	91	90	92	89
LA	100	100	100	100
MS	99	93	96	99
MO	100	96	96	100
NC	95	93	97	97
OK	94	90	95	93
SC	97	90	94	95
TN	98	85	89	99
TX	94	83	89	89
VA	98	97	98	99
15 Sts	95	86	91	92
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Harvested				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
AL	32	17	22	48
AZ	34	31	37	32
AR	64	34	58	76
CA	24	35	50	30
GA	26	15	23	40
KS	10	3	5	8
LA	85	54	73	86
MS	61	32	41	70
MO	30	32	53	60
NC	18	18	26	33
OK	20	14	18	24
SC	9	8	14	32
TN	44	15	25	57
TX	47	35	40	36
VA	18	18	27	38
15 Sts	41	28	35	41
These 15 States harvested 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	0	4	18	69	9
AZ	4	6	20	43	27
AR	1	4	12	45	38
CA	0	0	15	85	0
GA	1	9	31	52	7
KS	1	4	45	45	5
LA	0	4	45	45	6
MS	4	5	29	55	7
MO	0	6	23	71	0
NC	1	4	27	51	17
OK	1	7	26	65	1
SC	1	1	14	63	21
TN	4	11	20	56	9
TX	1	4	33	43	19
VA	0	3	23	71	3
15 Sts	1	5	30	48	16
Prev Wk	1	4	31	53	11
Prev Yr	6	25	29	32	8

Corn Percent Harvested				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
CO	68	45	58	47
IL	78	62	78	72
IN	60	45	57	58
IA	76	43	60	44
KS	84	75	84	76
KY	85	69	78	88
MI	33	32	47	31
MN	71	53	70	42
MO	71	74	81	76
NE	73	41	60	47
NC	95	93	96	95
ND	70	42	55	33
OH	31	25	41	41
PA	46	23	37	47
SD	77	51	64	39
TN	90	78	86	95
TX	88	90	94	85
WI	38	32	48	29
18 Sts	70	52	66	53
These 18 States harvested 94% of last year's corn acreage.				

Soybeans Percent Harvested				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
AR	60	56	70	72
IL	89	51	68	77
IN	81	49	63	72
IA	93	70	83	70
KS	76	41	57	54
KY	50	36	46	54
LA	96	82	87	96
MI	72	39	49	59
MN	98	91	95	81
MS	78	65	78	86
MO	49	30	49	47
NE	96	76	88	77
NC	21	19	28	29
ND	96	81	91	74
OH	72	54	70	72
SD	94	86	93	75
TN	50	31	44	60
WI	83	59	74	62
18 Sts	82	60	73	70
These 18 States harvested 96% of last year's soybean acreage.				

Sorghum Percent Mature				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
CO	96	95	97	94
KS	97	88	93	93
NE	98	94	96	98
OK	94	92	98	92
SD	100	98	100	92
TX	99	100	100	96
6 Sts	97	93	96	93
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
CO	62	42	61	47
KS	62	44	61	43
NE	79	58	72	54
OK	54	48	54	57
SD	86	72	79	49
TX	95	92	95	86
6 Sts	72	59	71	60
These 6 States harvested 100% of last year's sorghum acreage.				

Crop Progress and Condition**Week Ending October 24, 2021**

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

Winter Wheat Percent Planted				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
AR	48	34	46	49
CA	24	15	20	25
CO	99	92	97	97
ID	97	96	98	94
IL	87	51	67	72
IN	78	48	66	74
KS	91	75	84	80
MI	90	53	68	80
MO	50	35	54	45
MT	86	78	88	88
NE	97	93	97	97
NC	19	14	22	20
OH	91	59	75	85
OK	81	57	73	80
OR	82	57	70	82
SD	100	95	99	96
TX	70	64	72	69
WA	95	93	96	92
18 Sts	84	70	80	80
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Percent Emerged				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
AR	31	12	22	30
CA	8	2	5	7
CO	77	58	68	78
ID	60	58	70	66
IL	52	34	48	43
IN	46	22	38	45
KS	69	47	59	58
MI	60	41	55	55
MO	28	15	30	26
MT	64	50	63	66
NE	82	76	84	86
NC	8	4	8	8
OH	61	29	52	57
OK	63	37	52	65
OR	28	20	25	41
SD	79	51	69	81
TX	48	39	46	49
WA	68	58	68	67
18 Sts	60	44	55	59
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	1	4	45	39	11
CA	55	5	15	25	0
CO	6	15	33	41	5
ID	1	2	62	28	7
IL	6	4	14	70	6
IN	3	3	18	59	17
KS	2	7	28	52	11
MI	5	10	24	56	5
MO	0	3	35	57	5
MT	20	22	48	10	0
NE	2	9	30	51	8
NC	1	5	37	51	6
OH	3	4	16	61	16
OK	2	7	38	49	4
OR	40	33	21	6	0
SD	18	29	22	29	2
TX	10	22	41	25	2
WA	3	25	41	30	1
18 Sts	7	13	34	40	6
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	6	13	40	35	6

Peanuts Percent Harvested				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
AL	59	39	47	73
FL	75	53	69	83
GA	57	37	53	69
NC	32	40	55	51
OK	48	18	34	48
SC	49	36	45	54
TX	33	24	30	34
VA	37	55	69	67
8 Sts	54	38	51	64
These 8 States harvested 96% of last year's peanut acreage.				

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	4	19	67	10
FL	3	4	29	60	4
GA	0	5	25	58	12
NC	1	2	18	69	10
OK	0	0	14	86	0
SC	0	2	6	73	19
TX	0	1	25	55	19
VA	0	0	15	77	8
8 Sts	0	4	23	61	12
Prev Wk	0	3	26	60	11
Prev Yr	1	7	28	55	9

Rice Percent Harvested				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
AR	92	89	94	96
CA	94	95	97	88
LA	100	100	100	100
MS	94	91	94	96
MO	84	76	85	93
TX	100	100	100	100
6 Sts	94	92	95	95
These 6 States harvested 100% of last year's rice acreage.				

Sugarbeets Percent Harvested				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
ID	73	50	64	63
MI	61	44	46	44
MN	99	38	68	83
ND	99	31	68	85
4 Sts	88	40	64	74
These 4 States harvested 85% of last year's sugarbeet acreage.				

Sunflowers Percent Harvested				
	Prev Year	Prev Week	Oct 24 2021	5-Yr Avg
CO	77	30	42	45
KS	56	40	53	37
ND	56	20	37	36
SD	37	35	42	31
4 Sts	48	29	40	34
These 4 States harvested 87% of last year's sunflower acreage.				

Crop Progress and Condition

Week Ending October 24, 2021

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

Pasture and Range Condition by Percent Week Ending Oct 24, 2021												
	VP	P	F	G	EX		VP	P	F	G	EX	
AL	1	3	15	73	8		NH	0	0	31	60	9
AZ	0	5	34	54	7		NJ	0	0	10	90	0
AR	7	23	41	26	3		NM	13	20	49	16	2
CA	40	30	10	20	0		NY	3	6	18	51	22
CO	21	28	20	24	7		NC	1	17	43	38	1
CT	0	1	14	45	40		ND	47	26	22	5	0
DE	2	9	39	40	10		OH	0	6	40	49	5
FL	0	3	27	47	23		OK	6	13	48	32	1
GA	3	9	27	53	8		OR	52	27	15	6	0
ID	17	38	33	12	0		PA	0	4	20	69	7
IL	12	11	29	37	11		RI	0	0	0	50	50
IN	4	11	39	40	6		SC	0	2	35	60	3
IA	8	21	39	30	2		SD	42	36	17	5	0
KS	6	20	39	33	2		TN	1	6	25	57	11
KY	4	9	36	45	6		TX	9	21	36	27	7
LA	0	5	35	58	2		UT	17	42	40	1	0
ME	0	2	54	42	2		VT	2	4	64	30	0
MD	0	9	45	37	9		VA	11	19	39	27	4
MA	0	1	12	48	39		WA	63	21	10	5	1
MI	2	16	26	48	8		WV	4	6	28	54	8
MN	16	24	39	18	3		WI	3	6	20	46	25
MS	1	12	39	42	6		WY	22	33	35	9	1
MO	1	10	41	46	2		48 Sts	21	22	33	21	3
MT	70	26	4	0	0							
NE	12	19	53	15	1		Prev Wk	22	23	30	20	5
NV	40	30	30	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 24, 2021

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

Days Suitable for Fieldwork

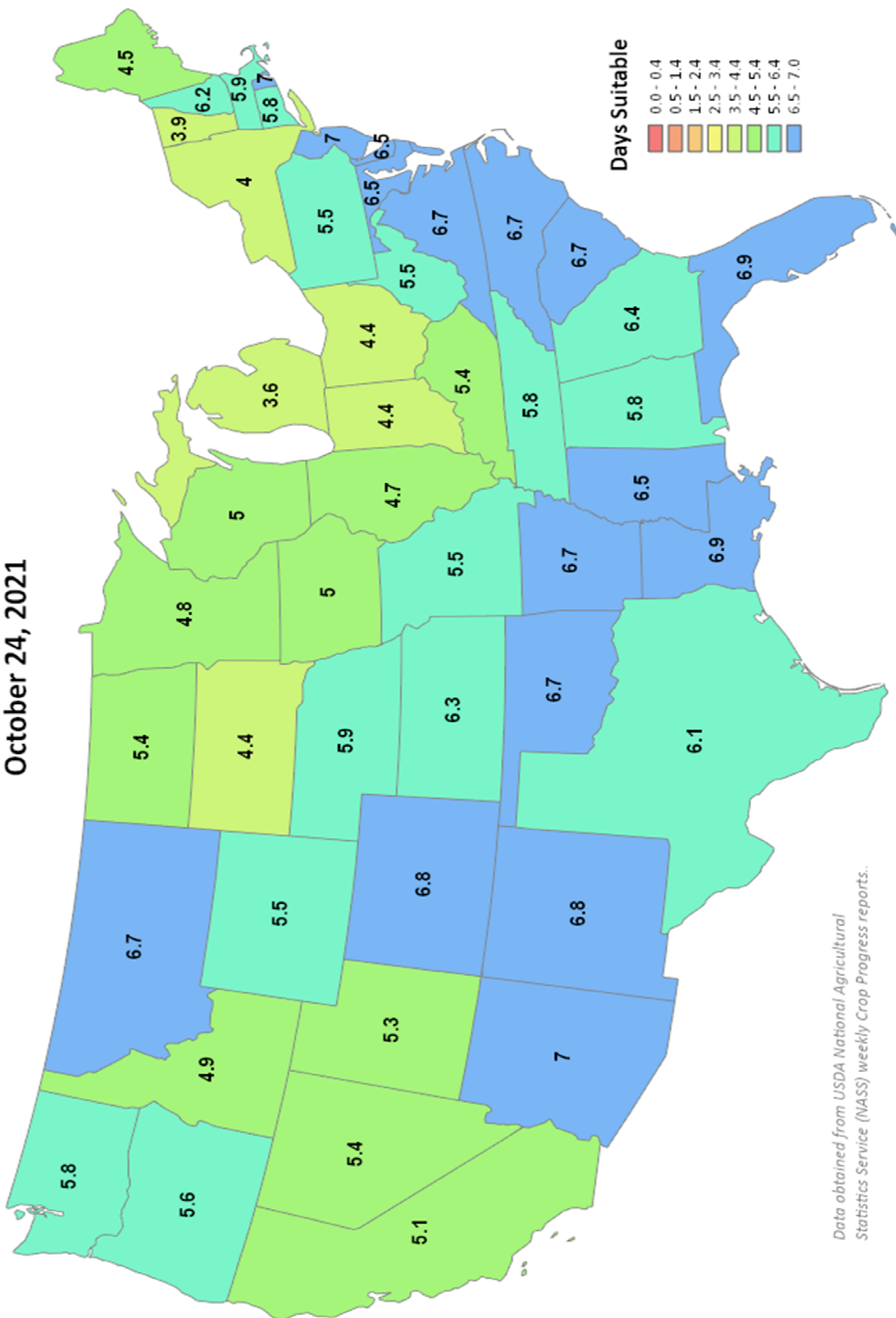
Week Ending

October 24, 2021



United States
Department of
Agriculture

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

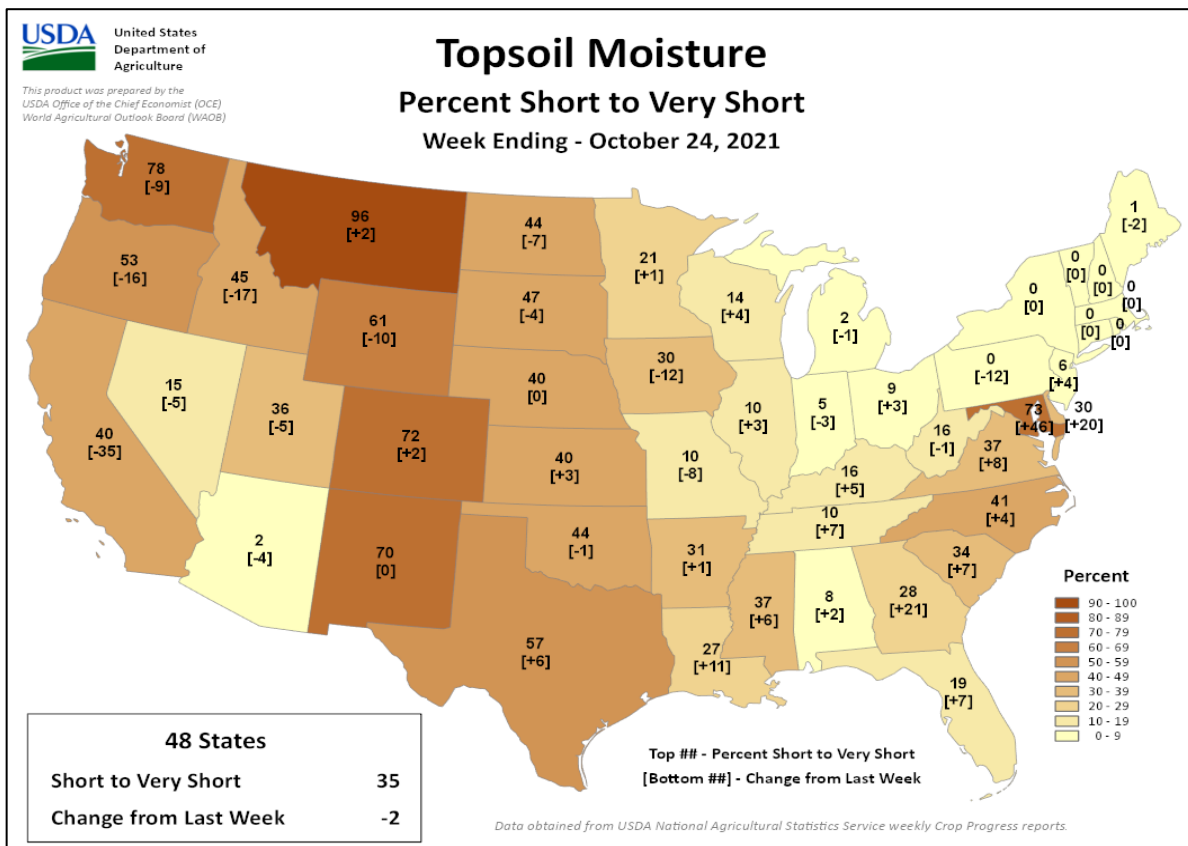
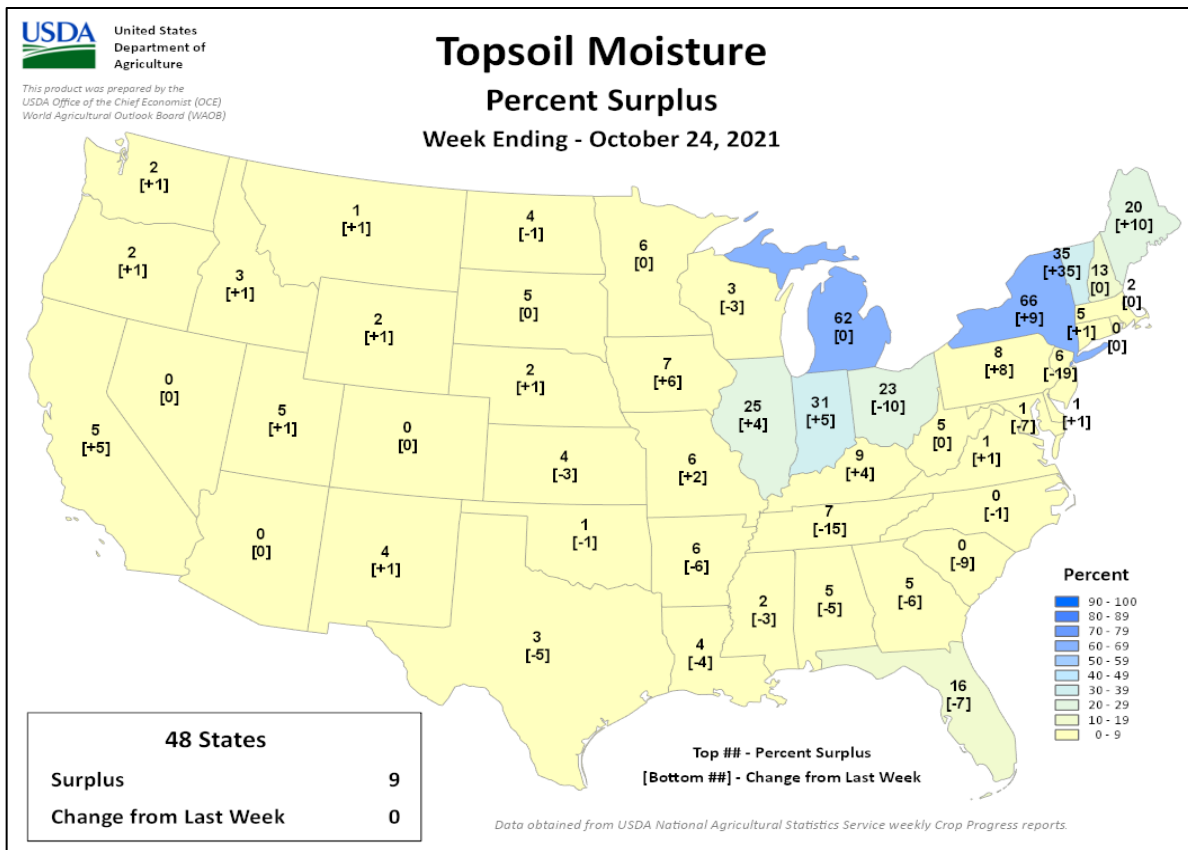


Data obtained from USDA National Agricultural
Statistics Service (NASS) weekly Crop Progress reports.

Crop Progress and Condition

Week Ending October 24, 2021

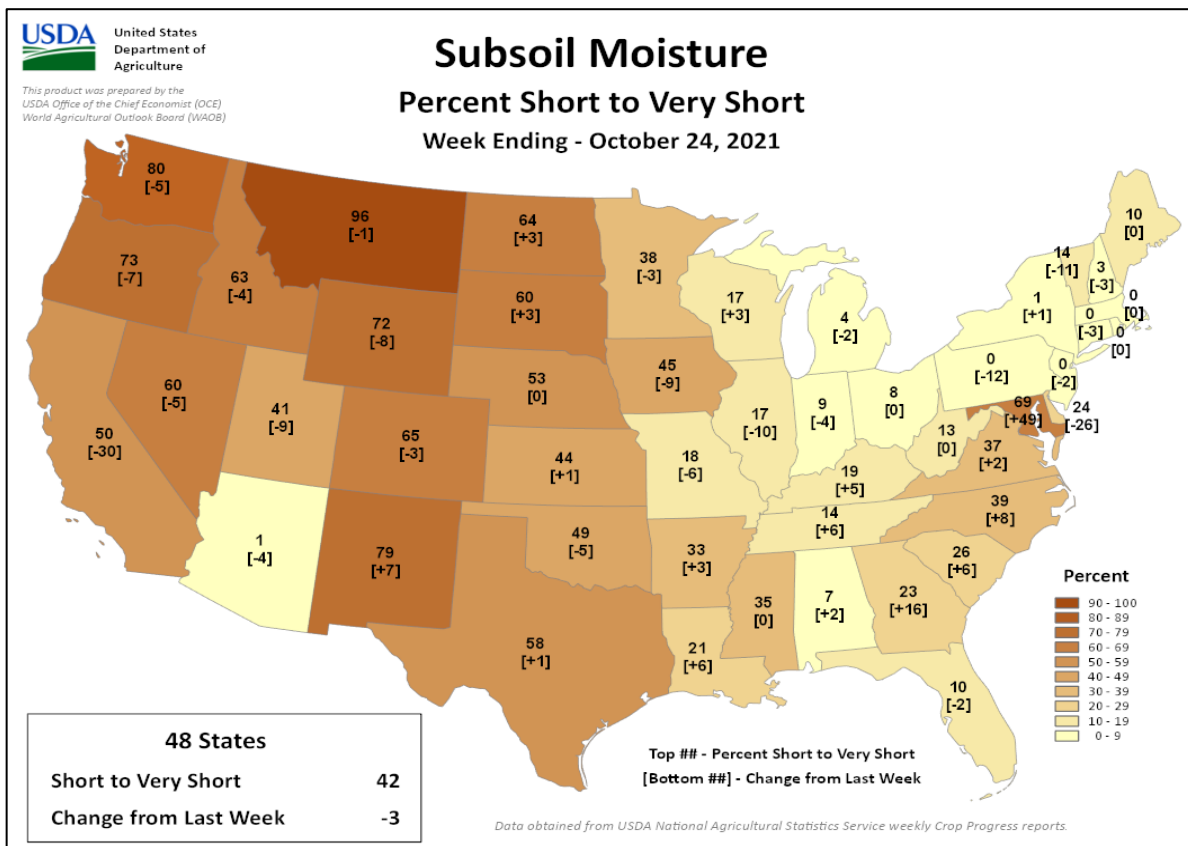
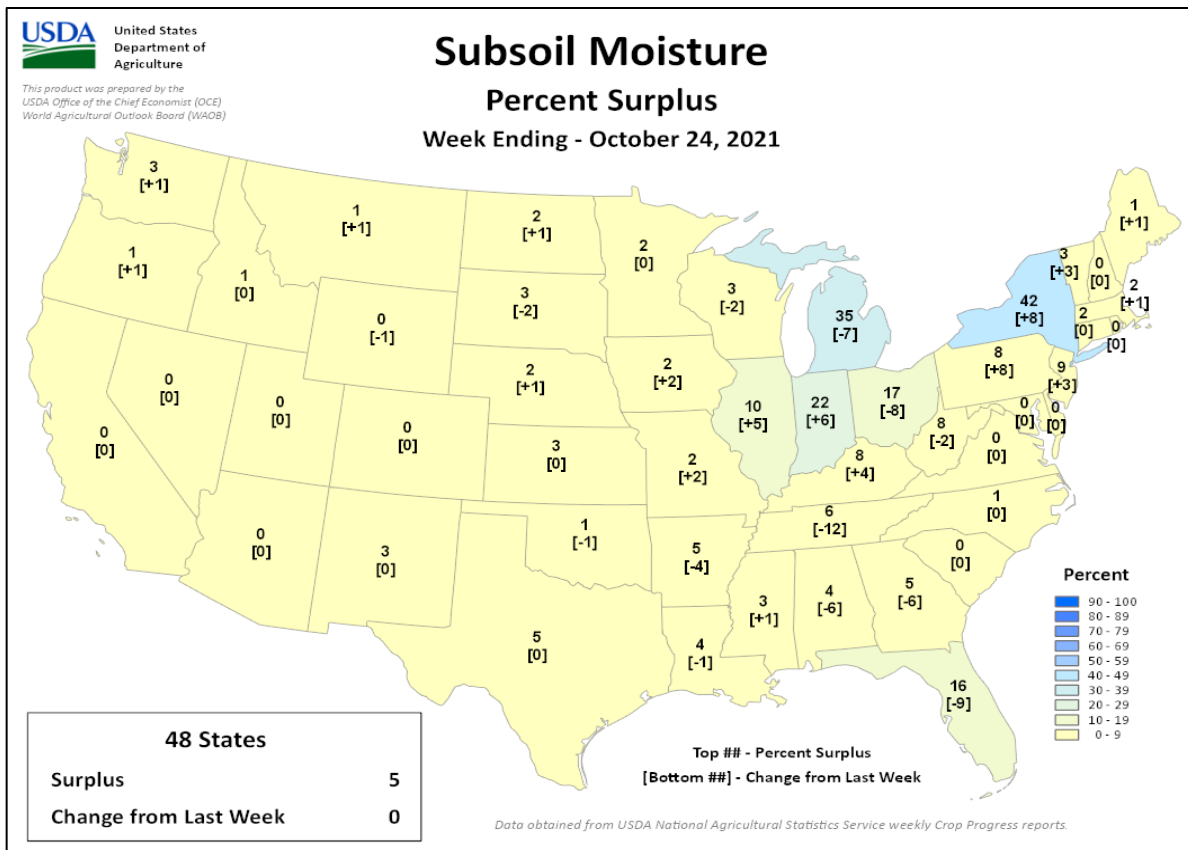
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending October 24, 2021

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



International Weather and Crop Summary

October 17-23, 2021

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

HIGHLIGHTS

EUROPE: Dry weather in southern Europe reduced topsoil moisture for winter grains but allowed cotton producers in Greece to assess the impacts of recent downpours.

WESTERN FSU: Sunny skies facilitated summer crop harvesting, though progress remained behind schedule in Ukraine.

MIDDLE EAST: Dry weather allowed late cotton harvesting to resume in western Turkey after last week's rain and promoted early winter grain sowing elsewhere.

SOUTH ASIA: The slower-than-normal withdrawal of the southwest monsoon provided beneficial late-season moisture to crops in southern India.

EASTERN ASIA: Showery weather in southern China boosted soil moisture for newly sown rapeseed, while dry weather facilitated wheat sowing on the North China Plain.

SOUTHEAST ASIA: Wet weather throughout the region hampered summer rice maturation and harvesting but improved moisture supplies for the next cropping season.

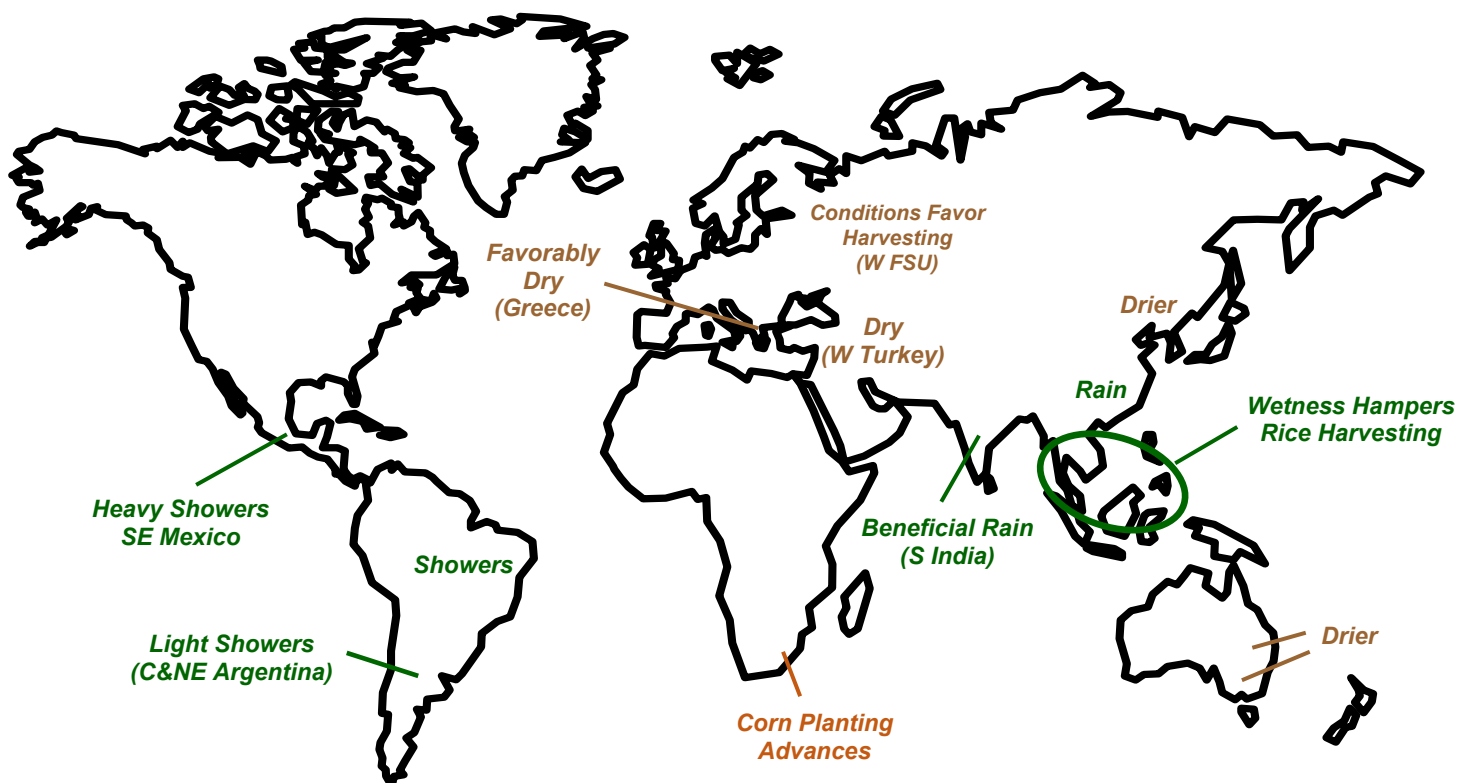
AUSTRALIA: Drier weather overspread the south and east, favoring winter crop maturation and harvesting and promoting summer crop sowing.

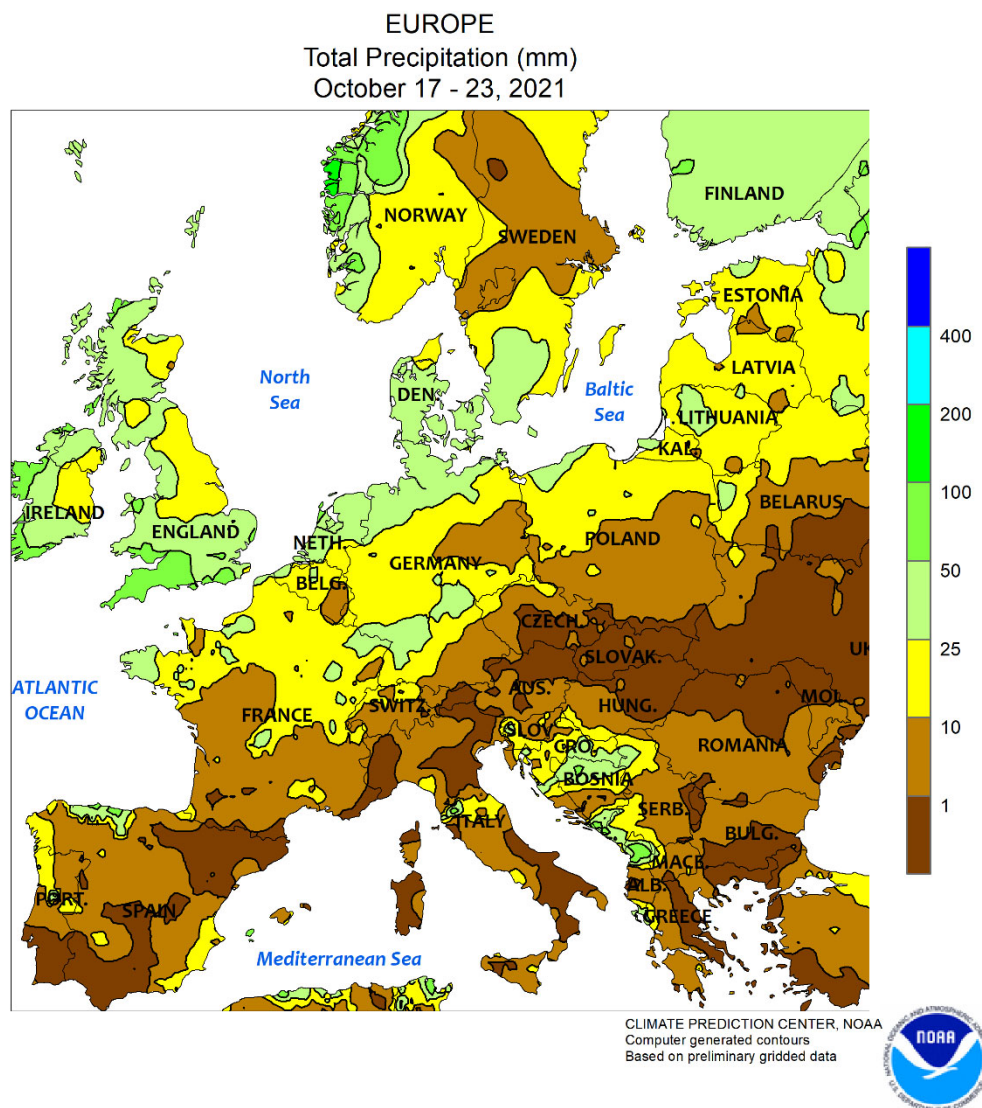
SOUTH AFRICA: Planting progressed in eastern sections of the corn belt.

ARGENTINA: Light showers continued in parts of central and northeastern Argentina, but moisture remained limited for summer crop establishment in some western farming areas.

BRAZIL: Rain benefited newly sown soybeans and corn in key central and northeastern production areas.

MEXICO: Rain intensified over the southeast, with some flooding likely near the southern Gulf Coast.



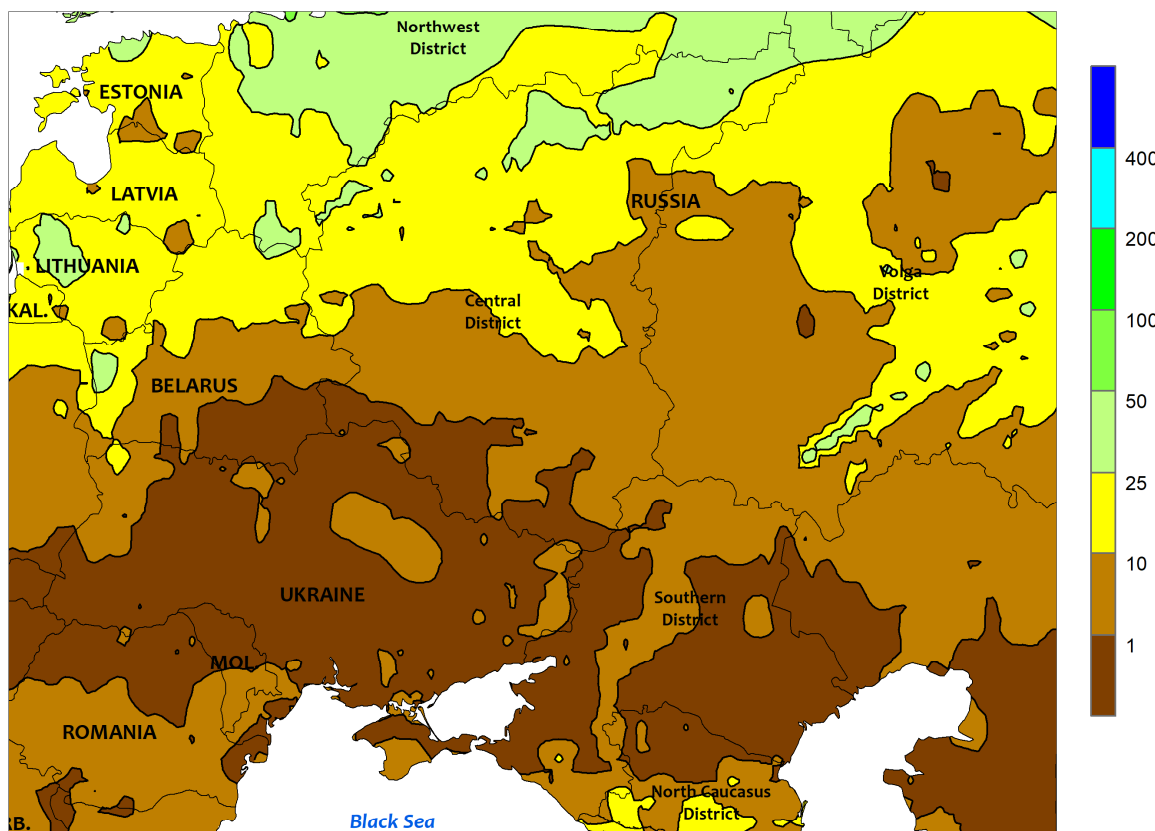


EUROPE

Wet weather over northern Europe contrasted with mostly dry conditions in southern growing areas. After a 10-day stretch featuring frequent downpours in Greece, the return of sunny skies allowed producers to assess the impacts of the untimely rain on mature cotton. Elsewhere in southern Europe, dry weather promoted winter grain sowing and other seasonal fieldwork but reduced topsoil moisture for wheat and barley establishment. Dryness was most pronounced across north-central Italy, where 90-day rainfall has tallied locally less than

50 percent of normal; a similar pocket of dryness also lingered in west-central France. Conversely, wet but windy weather (10-75 mm) prevailed across the northern third of the continent, maintaining good moisture supplies for winter crop establishment but slowing or halting fieldwork. Above-normal temperatures (1-3°C above normal) were reported over much of Europe, though a ribbon of near-normal readings extended from eastern France and western Germany southeastward into Greece and the southern Balkans.

WESTERN FSU
Total Precipitation (mm)
October 17 - 23, 2021



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

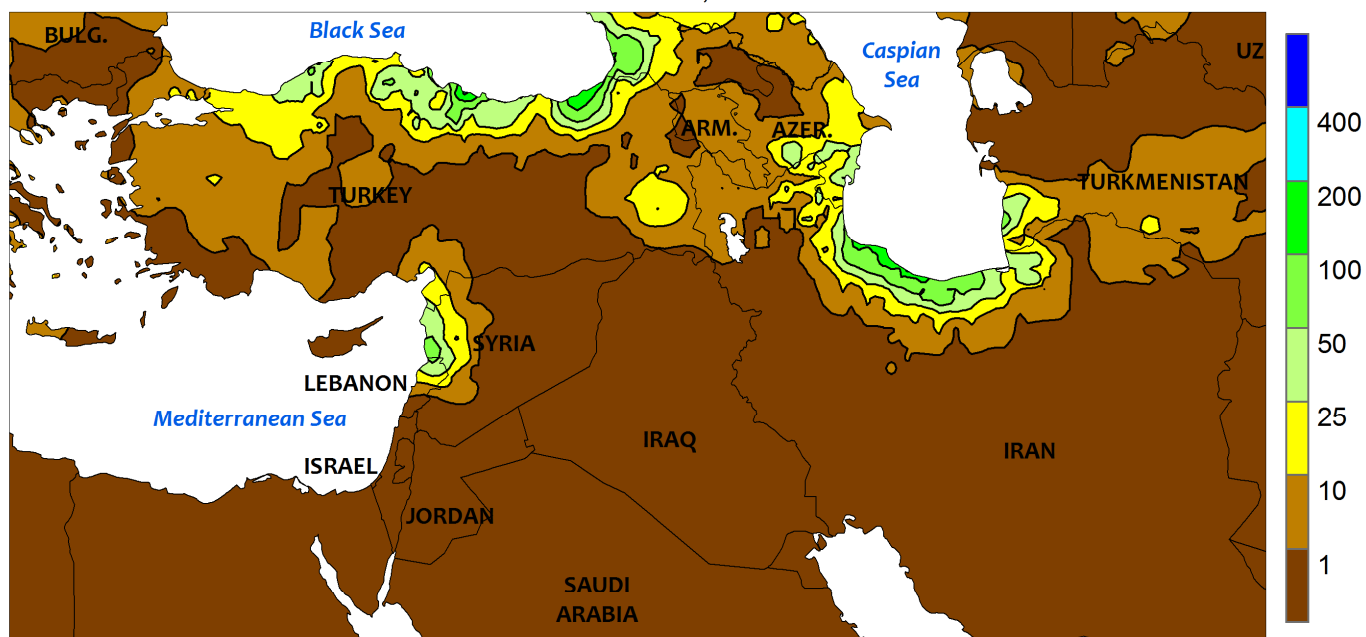


WESTERN FSU

Dry, warm weather promoted fieldwork, although harvest progress remained behind schedule in parts of Ukraine. After last week's showers renewed harvest delays in central Ukraine, sunny skies and above-normal temperatures (1-3°C above normal) accelerated summer crop drydown and harvesting. However, the Ukraine corn harvest was still

running well behind normal due to wet weather during September. Elsewhere, fieldwork proceeded at a rapid clip, though 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 25 percent of normal).

MIDDLE EAST
Total Precipitation (mm)
October 17 - 23, 2021



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

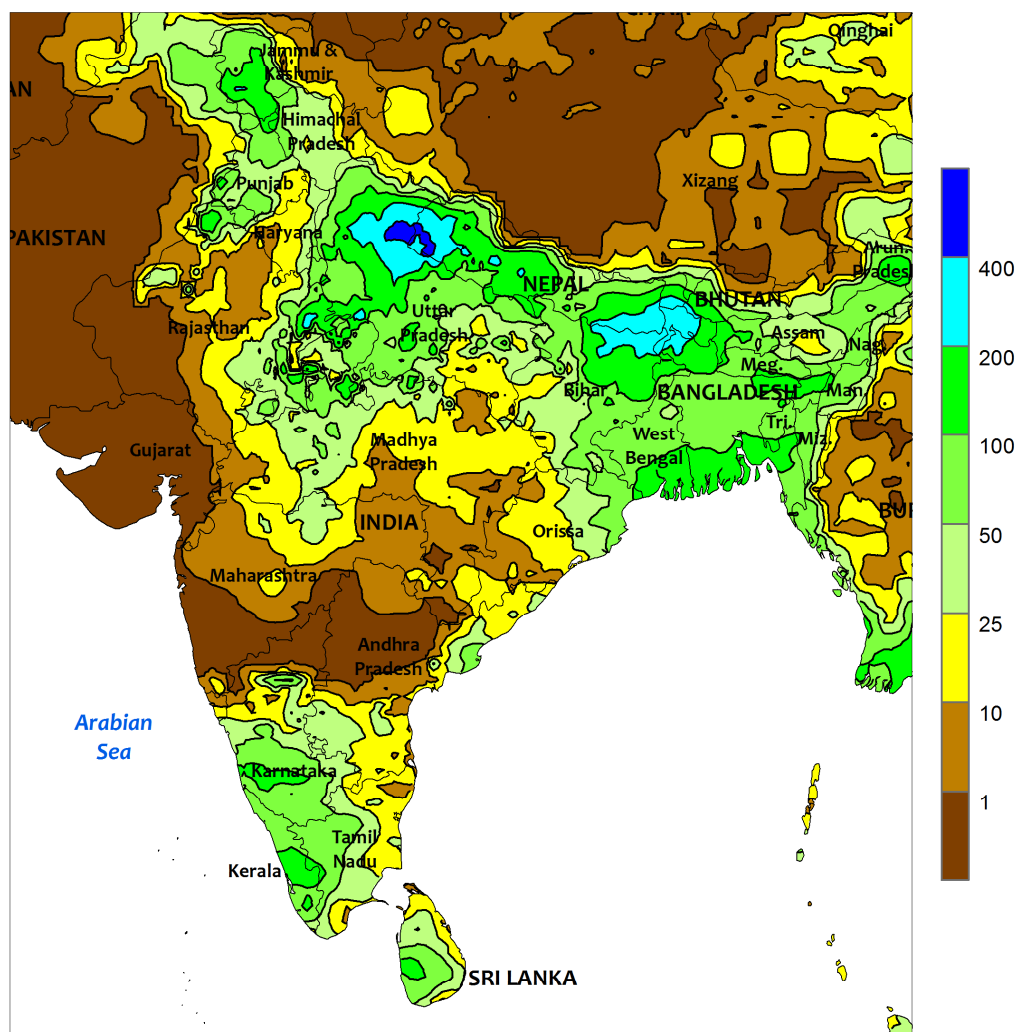


MIDDLE EAST

Despite some increase in shower activity, mostly dry weather prevailed across the region. After last week's locally heavy rain in western Turkey's Aegean Region, sunny skies facilitated a return to cotton harvesting and other seasonal fieldwork. Otherwise, showers were mainly

confined to west-central Turkey (2-20 mm), Turkey's Black Sea Coast (10-50 mm, locally more), and the Caspian Sea Coast in Iran (20-160 mm). The region's primary winter grain areas remained dry, and producers will need rain soon for wheat and barley establishment.

SOUTH ASIA
Total Precipitation (mm)
October 17 - 23, 2021



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

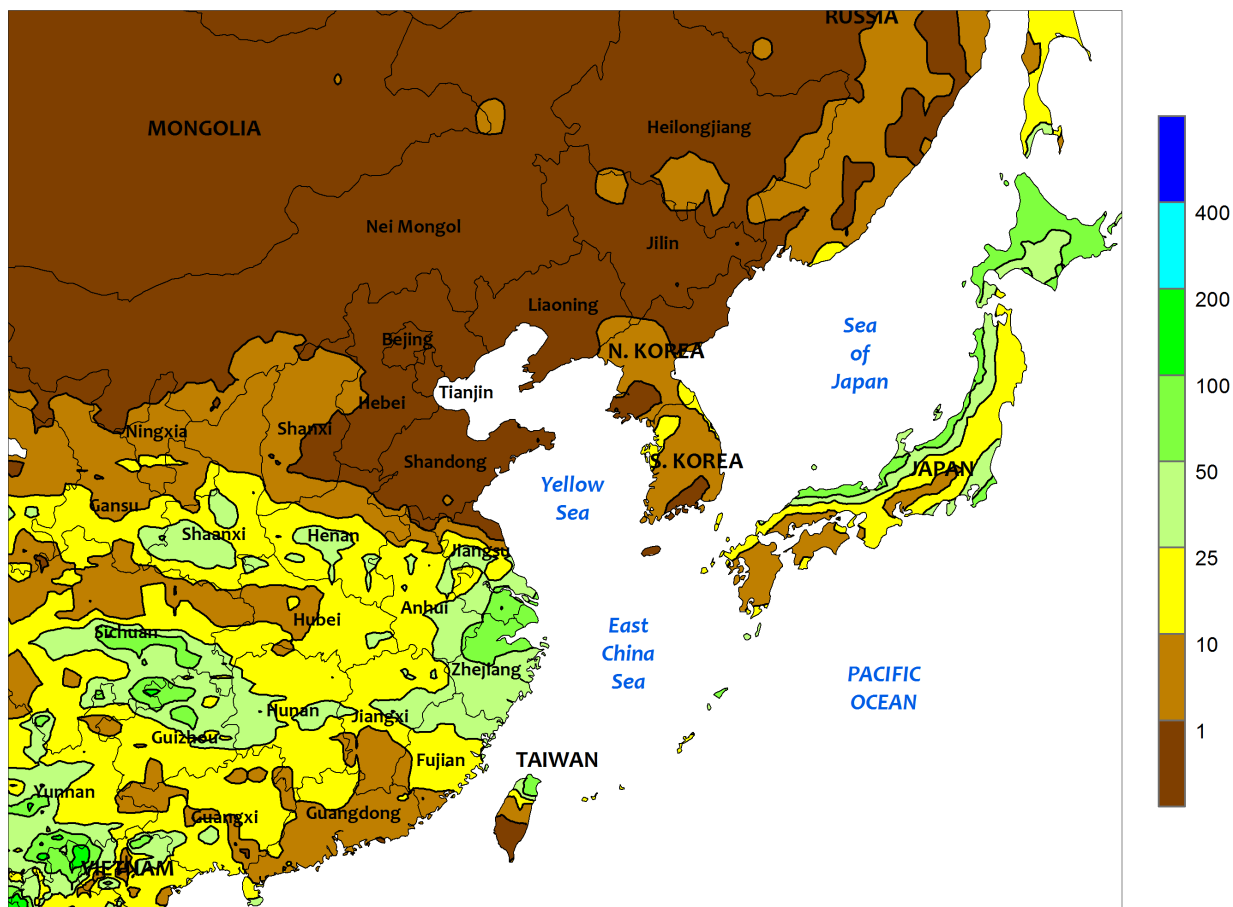


SOUTH ASIA

The monsoon continued to withdraw from India at a slower-than-normal pace, up to 10 days later than usual in some locales. The slow pace of withdrawal allowed later planted kharif crops in parts of the south to benefit from the additional moisture (10-25 mm of rain in the southeast, 25-150 mm in the southwest). Meanwhile, a stream of tropical moisture cut across northern India and Nepal, bringing torrents of rain (upwards of 500 mm). Flooding caused localized crop damage

where the highest amounts occurred, while harvesting of rice and other kharif crops was hampered elsewhere. In contrast, the heavy showers (50-200 mm) were overall beneficial for summer rice in various stages of development across Bangladesh. Elsewhere, seasonably drier weather was ushered into western India and parts of the interior with the retreating monsoon, aiding harvesting of kharif crops and providing ample sunshine for continued cotton boll formation.

EASTERN ASIA
Total Precipitation (mm)
October 17 - 23, 2021



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

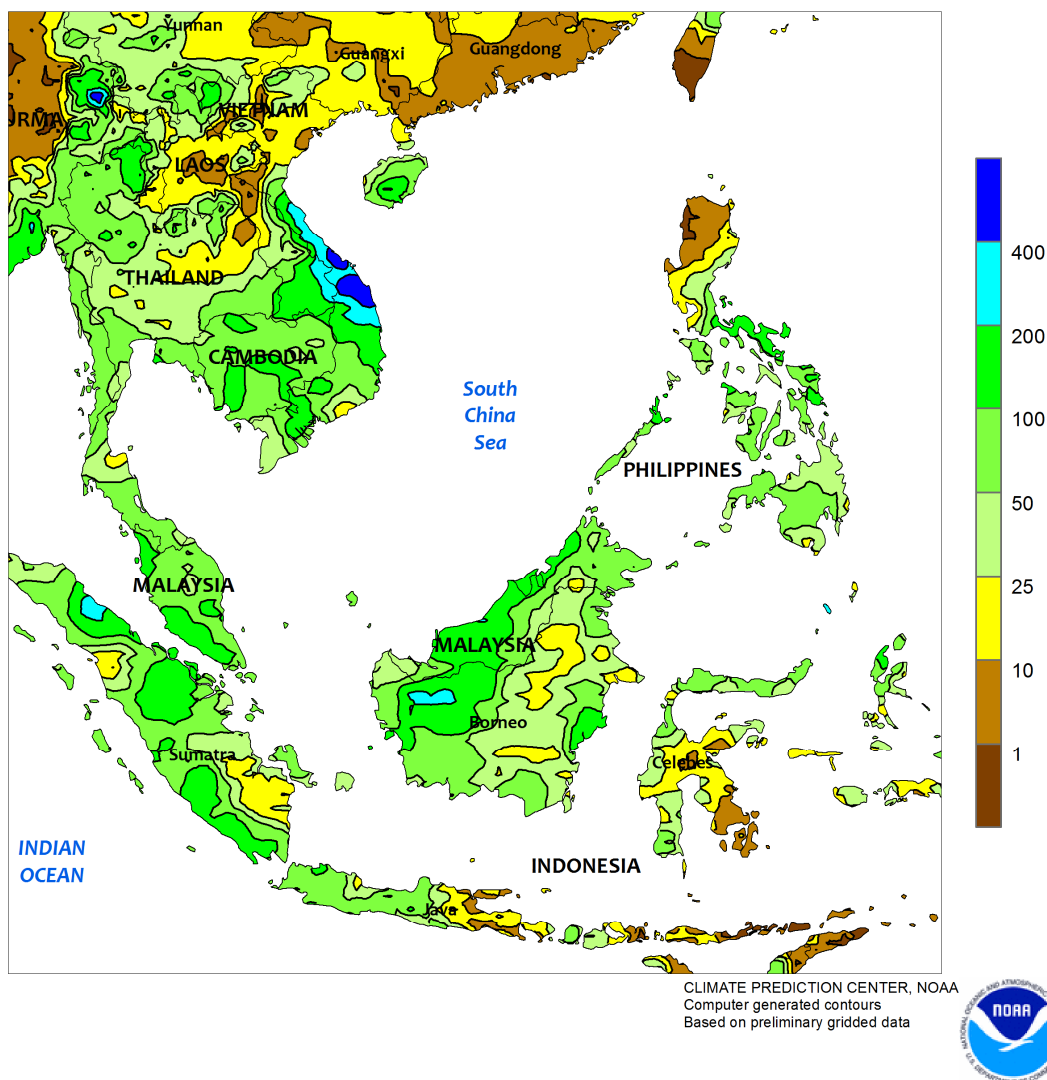


EASTERN ASIA

Light to moderate showers prevailed across southern China (10-25 mm or more), providing beneficial moisture to newly sown rapeseed. Meanwhile, dry weather on the North China Plain facilitated continued wheat planting. However, with

below-average temperatures (3-6°C below average) throughout both crop areas and sub-zero (degrees C) minimum temperatures infiltrating the northern-most crop areas, emergence and establishment were likely slow.

SOUTHEAST ASIA
Total Precipitation (mm)
October 17 - 23, 2021

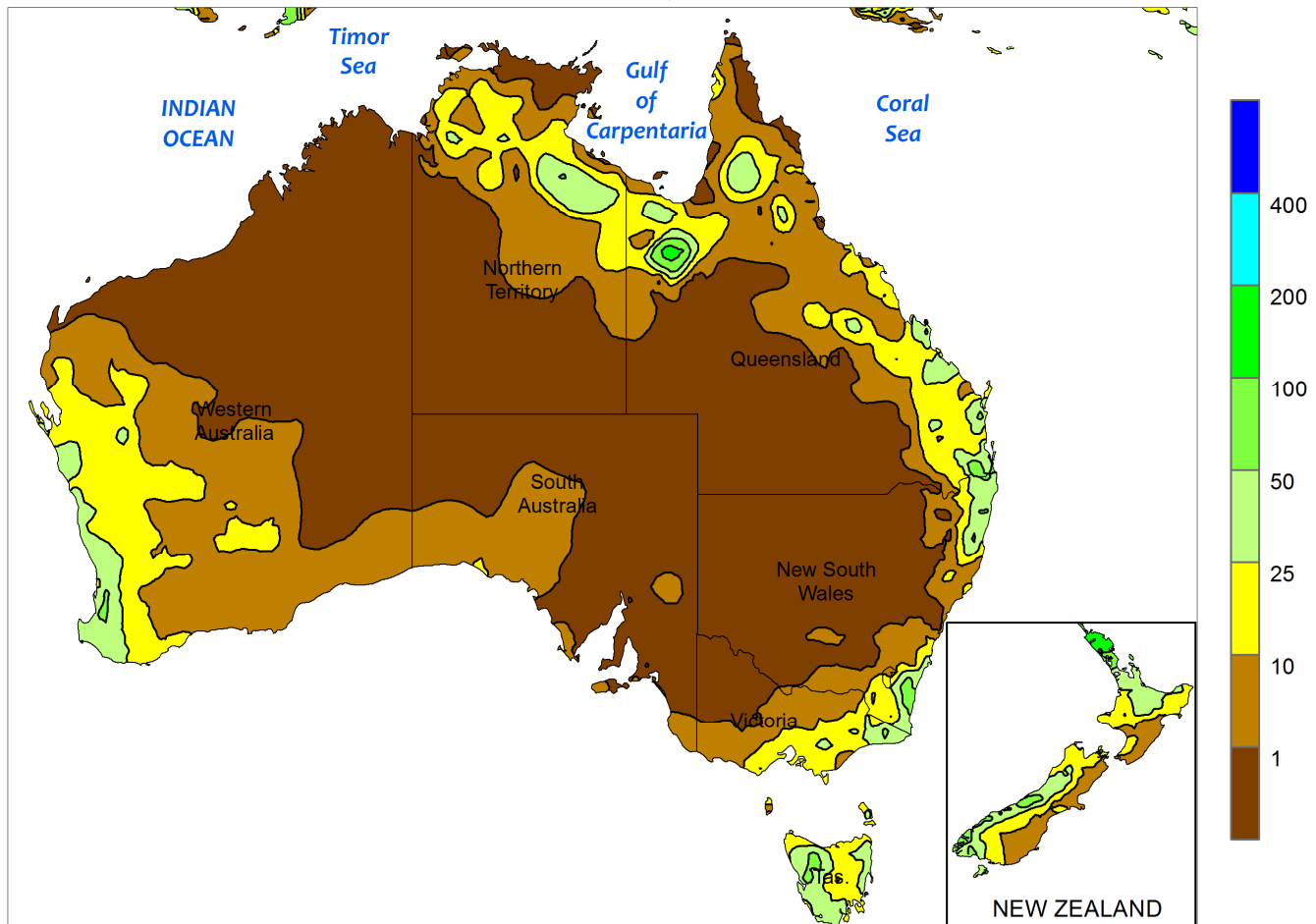


SOUTHEAST ASIA

An influx of tropical moisture produced copious rainfall across the region. Most of Thailand and environs recorded 25 to 100 mm or more of rain, while north-central Vietnam reported a deluge of 150 to 400 mm. The wet weather came too late to significantly benefit wet-season rice but did improve irrigation supplies for the upcoming dry-season crop. Similarly, in the Philippines, showers (25-150 mm)

throughout the country were unwelcome for summer rice harvesting but improved moisture reserves for the second cropping season. Farther south, upwards of 200 mm of rain in oil palm areas of Malaysia and Indonesia slowed harvesting during the main harvest period, while a return of seasonable showers (25-100 mm) in southern Indonesia (western Java) encouraged main-season rice sowing.

AUSTRALIA
Total Precipitation (mm)
October 17 - 23, 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 gridded data

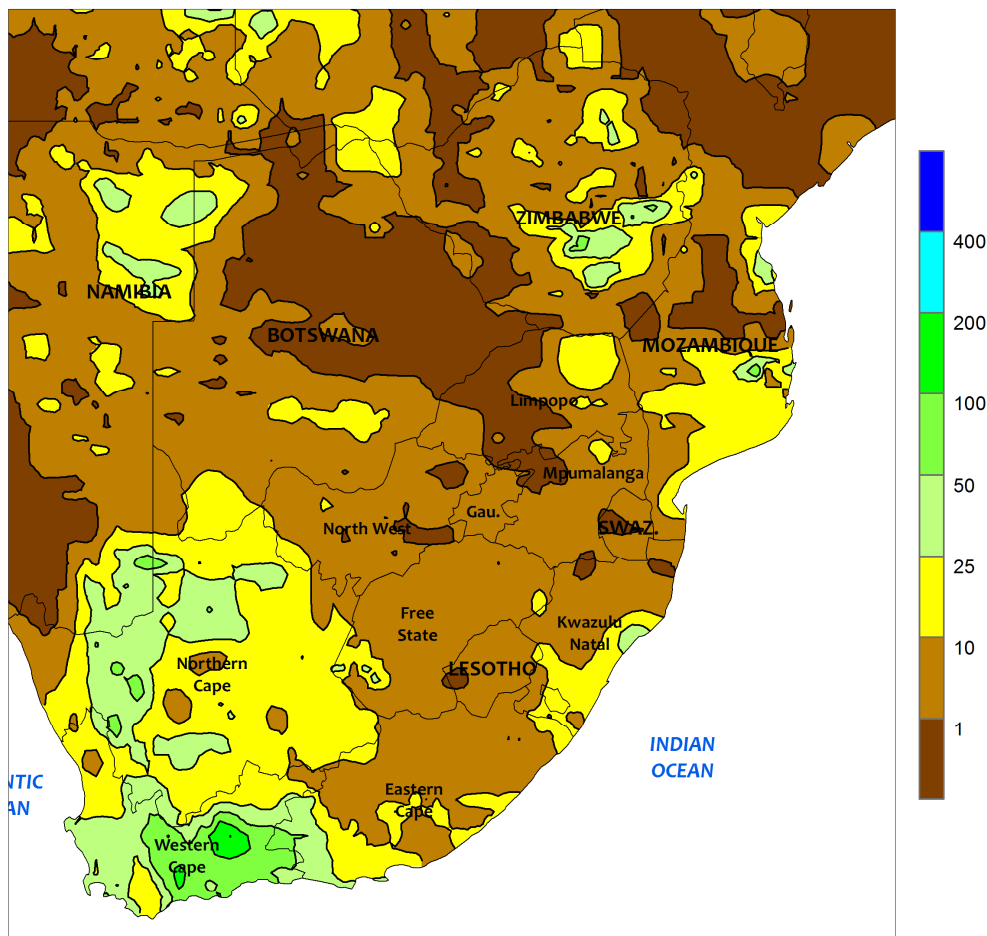


AUSTRALIA

In the wake of last week's widespread rain, drier weather overspread most major crop producing areas in southern and eastern Australia, favoring wheat, barley, and canola maturation and harvesting. Although many winter crops in the north have reached maturity, some crops in the south have yet to do so. Soil moisture remained adequate for these immature winter crops, however, and sunny skies helped spur additional crop development. The sunny weather promoted cotton, sorghum, and other summer crop sowing in many areas as

well. During midweek, a concentrated area of rain (10-25 mm) in southern Queensland may have interrupted fieldwork, but any delays were likely temporary. Elsewhere, widespread showers (10-25 mm or more) in Western Australia hampered drydown of maturing winter crops, especially in western-most growing areas, but the rain benefited later maturing varieties. Temperatures averaged within 1°C of normal throughout most of the wheat belt, except in northern New South Wales where temperatures averaged 1 to 2°C below normal.

SOUTH AFRICA
Total Precipitation (mm)
October 17 - 23, 2021



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

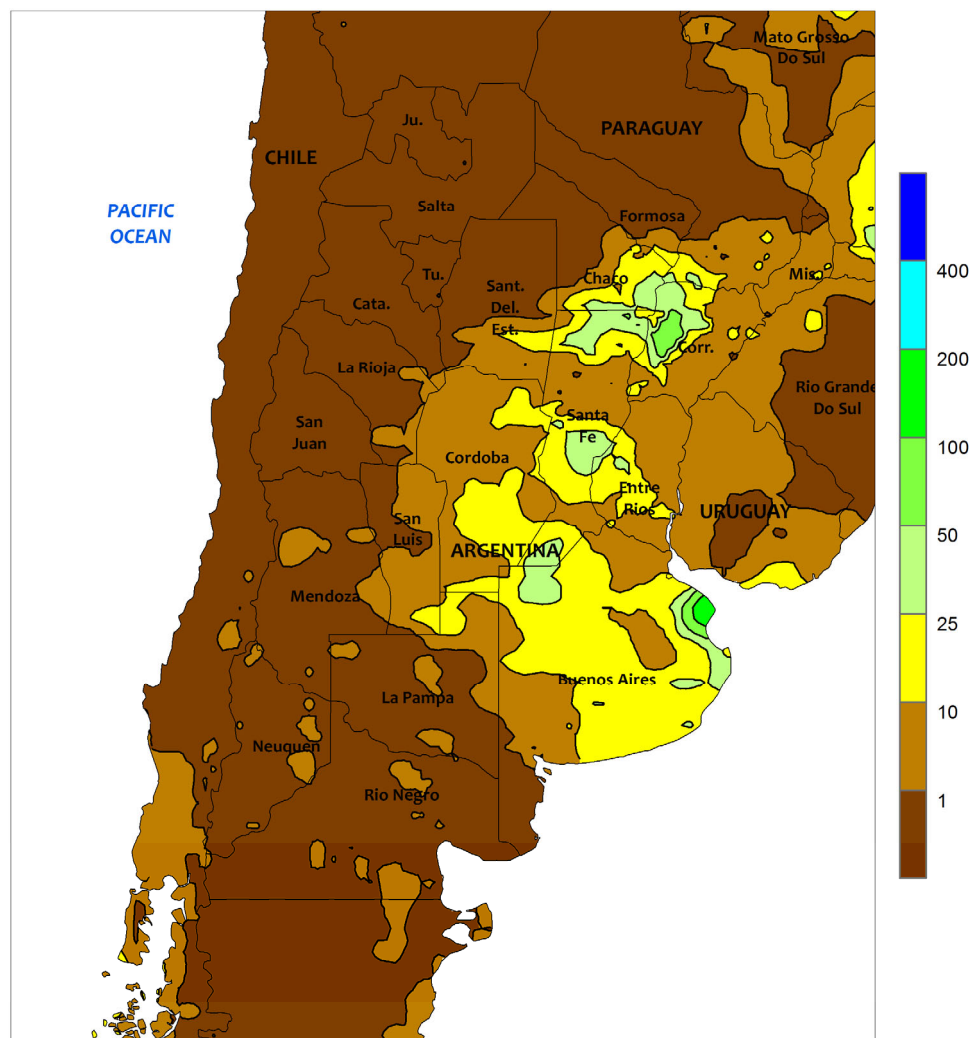


SOUTH AFRICA

Sunny albeit cool weather supported summer crop planting in eastern sections of the corn belt. Mostly dry conditions prevailed from North West and central Free State eastward, with just a few locations reporting more than 5 mm of rainfall. Planting was underway in eastern sections of the corn belt (in and around Mpumalanga), which benefited from earlier periods of rain, although below-normal temperatures (nighttime lows falling below 5°C in spots) slowed germination. Planting will take

place elsewhere in the corn belt as seasonal rainfall advances westward. Light showers (less than 25 mm) increased moisture for sugarcane in southern KwaZulu-Natal, but the more northerly irrigated sugarcane areas remained dry. Meanwhile, unseasonably heavy rain (10-50 mm) covered Northern and Western Cape Provinces, increasing irrigation reserves for summer cropping and benefiting flowering tree and vine crops but coming at an inopportune time for maturing wheat.

ARGENTINA
Total Precipitation (mm)
October 17 - 23, 2021



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

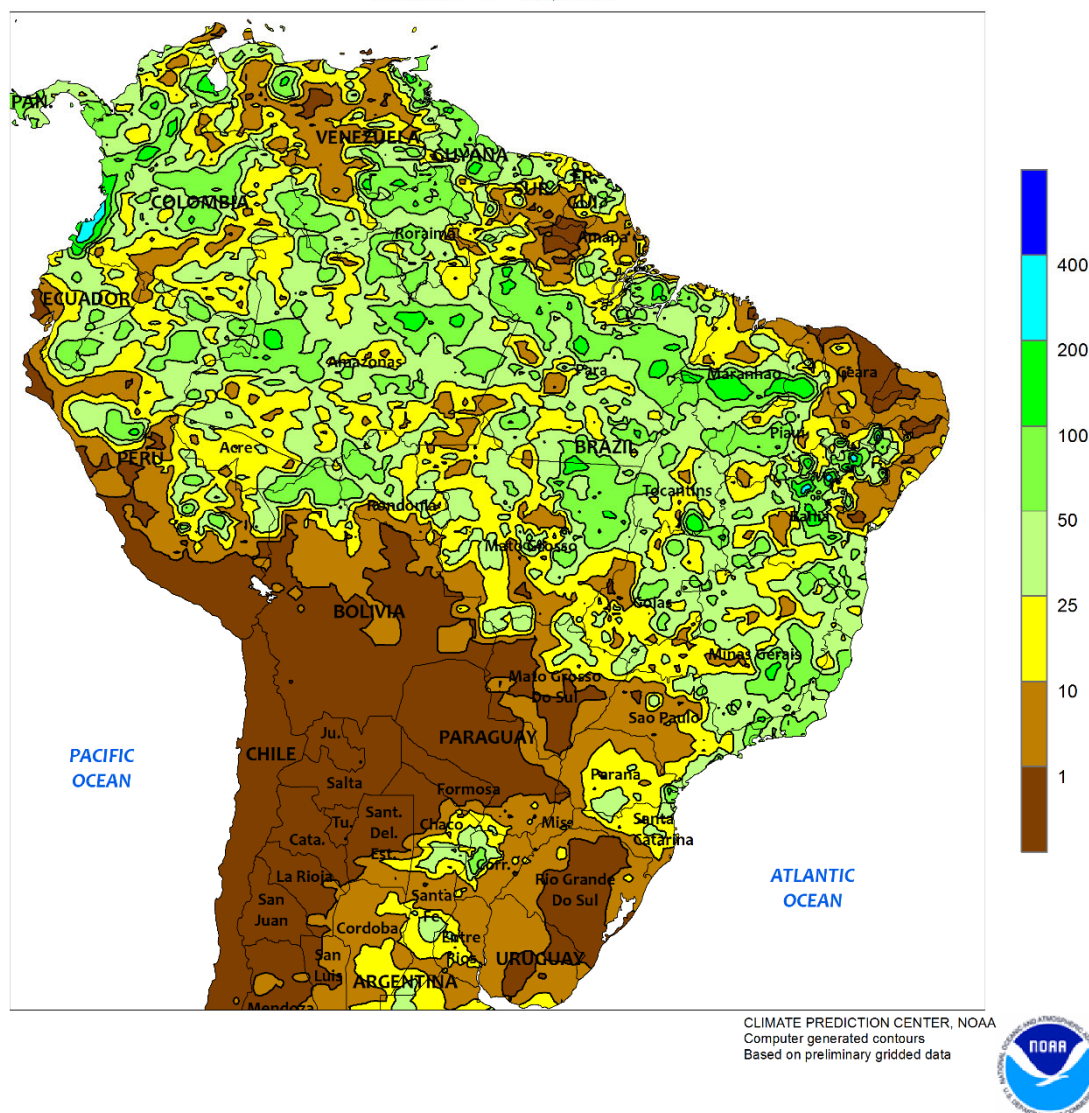


ARGENTINA

Lingering showers boosted moisture for crops in Argentina's eastern farming areas, while dryness remained a concern farther west. Rainfall totaled 10 to 25 mm – locally higher – over much of the region stretching from Buenos Aires to Corrientes, benefiting immature winter grains and increasing topsoil moisture for germination of early sown grains, oilseeds, and cotton. In contrast, drier conditions prevailed farther west (La Pampa northward through Santiago del Estero), with few locations reporting more than 5 mm.

Weekly temperatures averaged near to slightly above normal in central and northwestern farming areas and up to 2°C below normal over the northeast, with frost (nighttime lows falling to near 0°C) confined to southern Buenos Aires. According to the government of Argentina, sunflowers were 37 percent planted as of October 21, lagging last year's pace by 3 points; corn was 32 percent planted, equaling last year's pace. Soybean planting was reportedly underway in Buenos Aires, Entre Rios, and Santa Fe.

BRAZIL
Total Precipitation (mm)
October 17 - 23, 2021

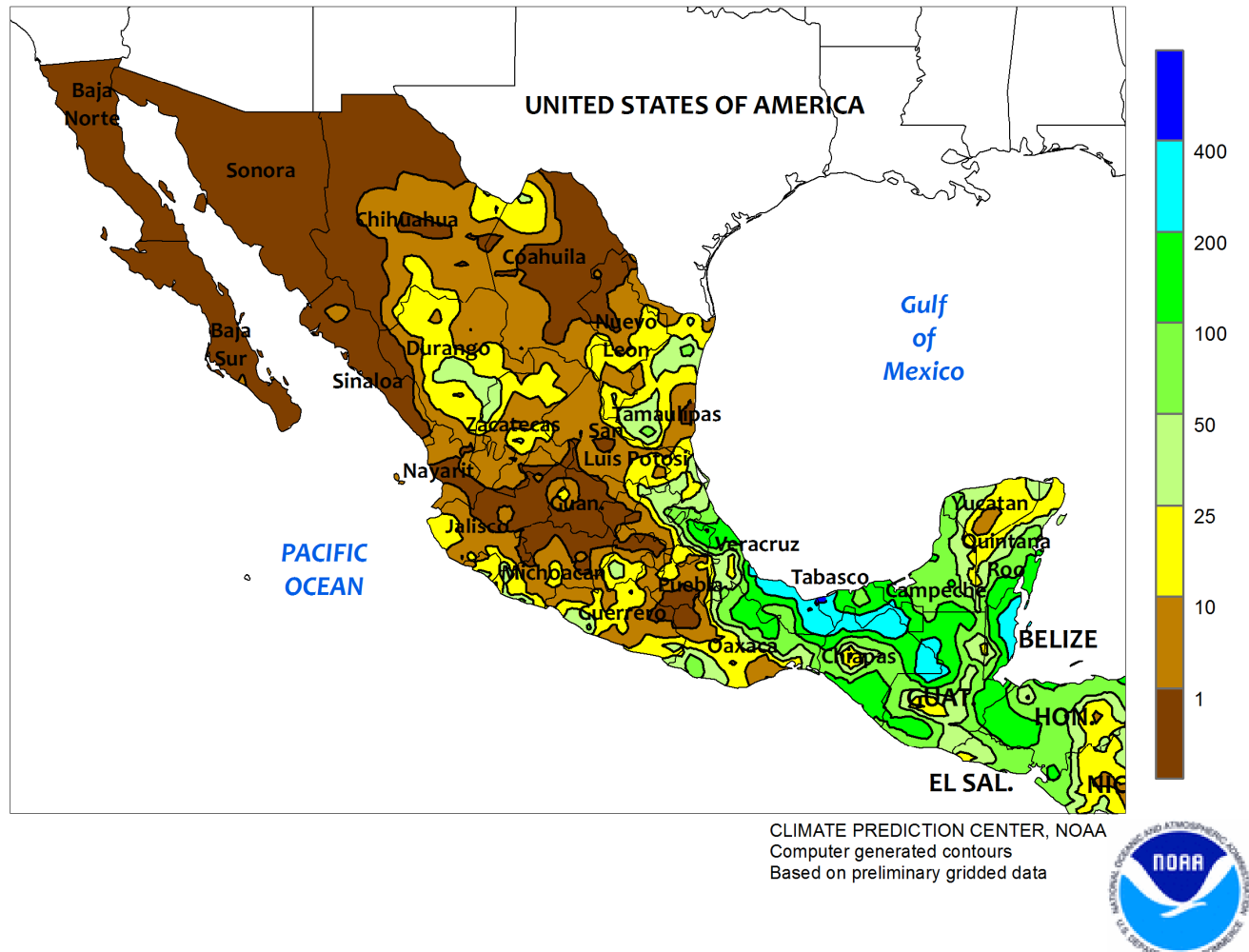


BRAZIL

Rain continued in soybean areas of central and northeastern Brazil, but drier conditions prevailed farther south. Rainfall totaled 10 to 50 mm – locally exceeding 100 mm – from northern Mato Grosso eastward, reaching as far south as southern Minas Gerais. Although weekly temperatures averaged near to slightly below normal in the aforementioned areas, daytime highs reaching the upper 30s (degrees C) maintained high evaporative losses, necessitating a continuation of seasonal rainfall through the remainder of the planting season. According to the government of Mato Grosso, soybeans were 69 percent planted as of October 22, more than 25 points ahead of

the 5-year average. Drier weather prevailed farther south, with few locations from southern Mato Grosso southward through Rio Grande do Sul recording more than 10 mm. Weekly temperatures averaging 1 to 2°C below normal slowed growth of emerging soybeans and corn, but the generally sunny conditions favored fieldwork, including wheat harvesting. According to the government of Parana, wheat was 74 percent harvested as of October 18; meanwhile, first-crop corn and soybeans were 88 and 38 percent planted, respectively. In Rio Grande do Sul, wheat was 9 percent harvested as of October 21, and corn was 70 percent planted.

MEXICO
Total Precipitation (mm)
October 17 - 23, 2021



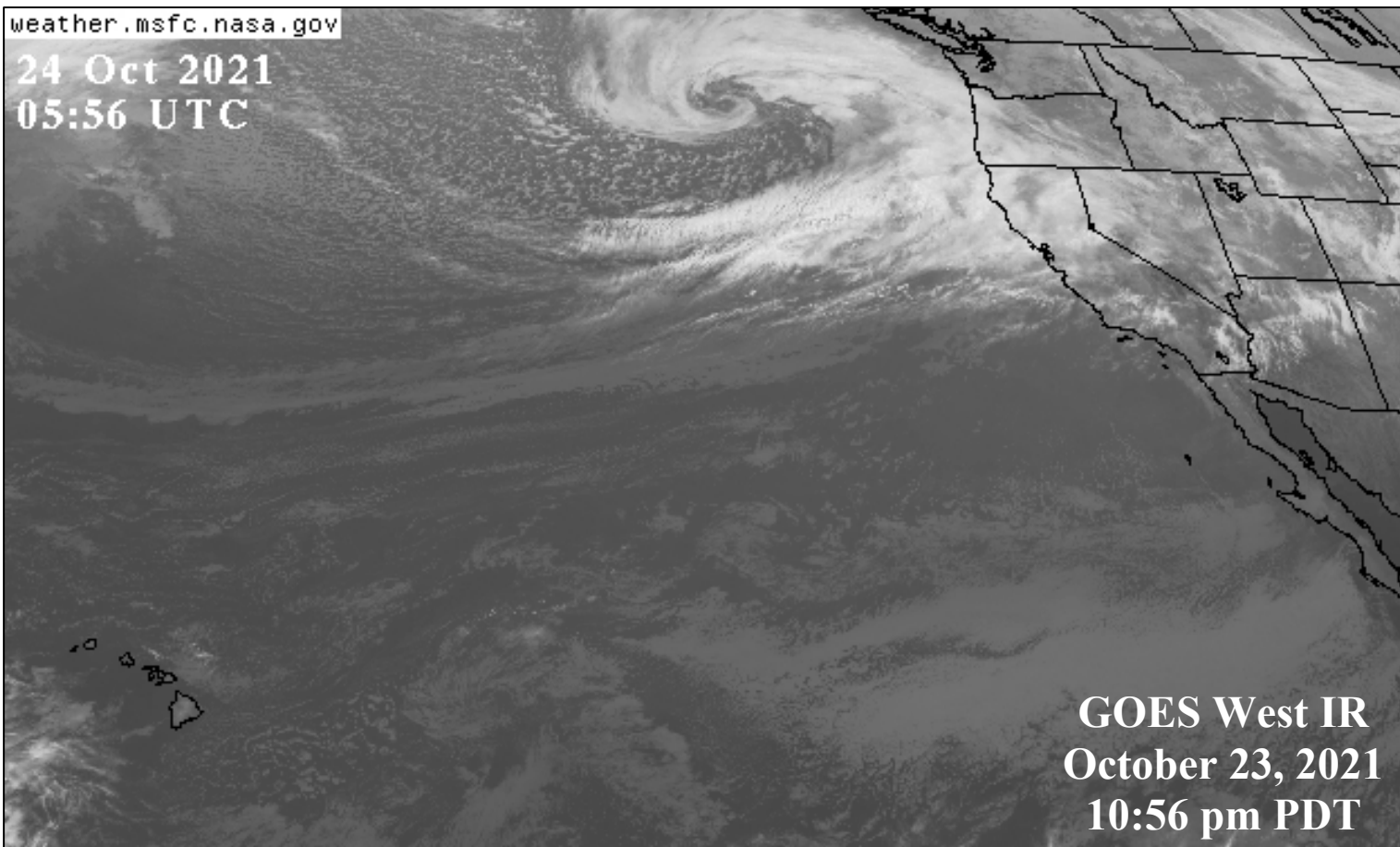
MEXICO

Heavy rain flooded farming areas near the southern Gulf Coast, otherwise seasonably drier conditions prevailed across the region. Rainfall totaling 50 to locally more than 200 mm was recorded over central Veracruz and over a large area stretching from southern Veracruz to northern Chiapas. While causing localized flooding, the moisture will eventually increase reservoir levels for winter cropping. Showers were generally widely scattered and light elsewhere, with only a few

regions recording more than 25 mm. On the southern plateau, sunny skies and late-season warmth (daytime highs in the middle and upper 20s degrees C) favored maturation of corn and other rain-fed summer crops. Most northwestern watersheds were dry upon the retreat of the monsoon. At week's end, Hurricane Rick was approaching the southern Pacific Coast (additional information will appear in next week's *Weekly Weather and Crop Bulletin*).

weather.msfc.nasa.gov

24 Oct 2021
05:56 UTC



GOES West IR
October 23, 2021
10:56 pm PDT

One of the most powerful low-pressure systems on record off the coast of Washington State spun up on October 23-24. In fact, the storm's minimum central pressure of 27.83 inches of mercury (942.5 millibars), achieved on the morning of October 24, broke an all-time pressure record for that nook of the Pacific Ocean. As the storm's trailing cold front moved across northern California, October 24 became the wettest calendar day on record in locations such as Blue Canyon (10.40 inches; previously, 9.33 inches on December 22, 1964) and downtown Sacramento (5.44 inches; previously, 5.28 inches on April 20, 1880). A record-setting streak without measurable rain in Sacramento, 211 days, had just ended on October 17.

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

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U.S. DEPARTMENT OF AGRICULTURE

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