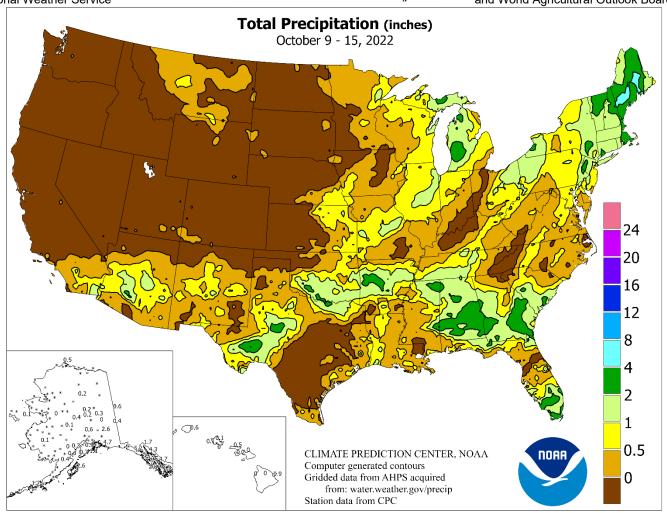
WEEKEY MATHER AND CROP BULLETIN

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

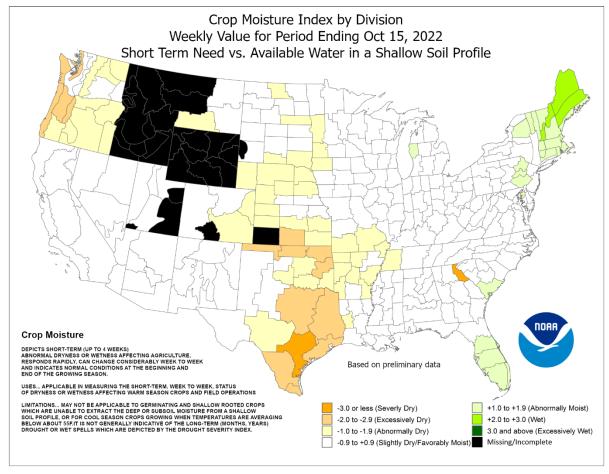


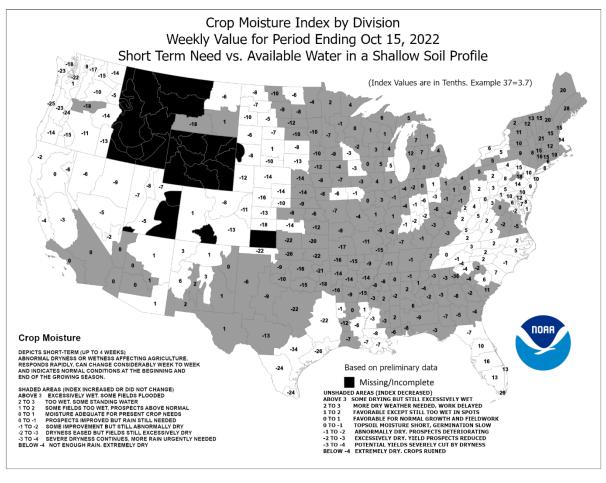
HIGHLIGHTS October 9 – 15, 2022

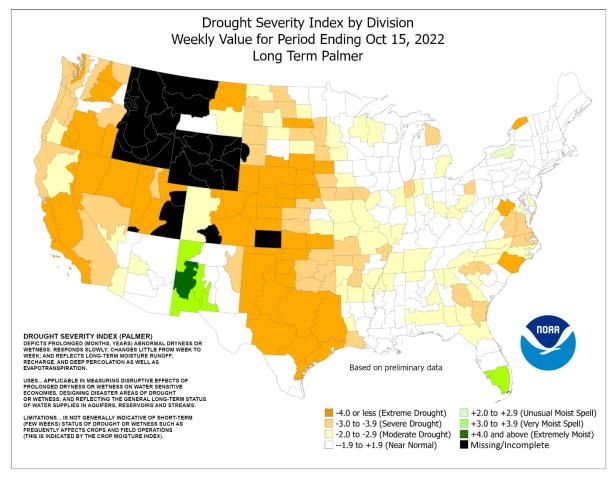
Highlights provided by USDA/WAOB

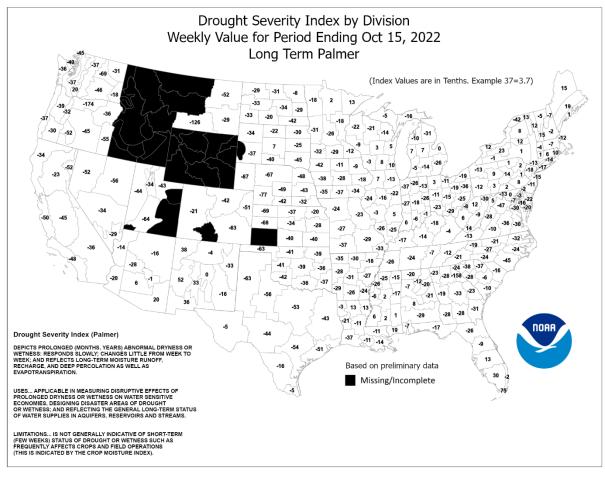
nother week with minimal precipitation in many of the nation's key production areas continued to favor summer crop harvesting and other autumn fieldwork. However, lack of topsoil moisture remained an impediment to the even emergence and proper establishment of recently planted winter grains and cover crops. Expansive dryness also contributed to poor rangeland and pasture conditions, as well as ongoing low water levels in the **Mississippi River Basin**. Rain fell in a few areas, however, including parts of the **Northeast** and **Southeast**. In fact, rain fell

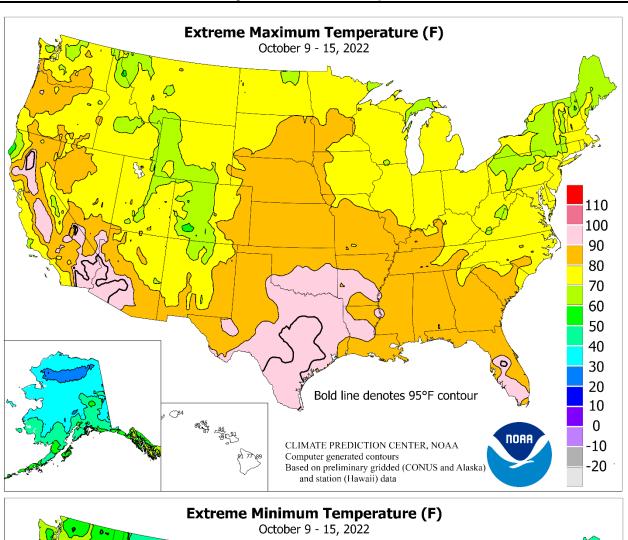
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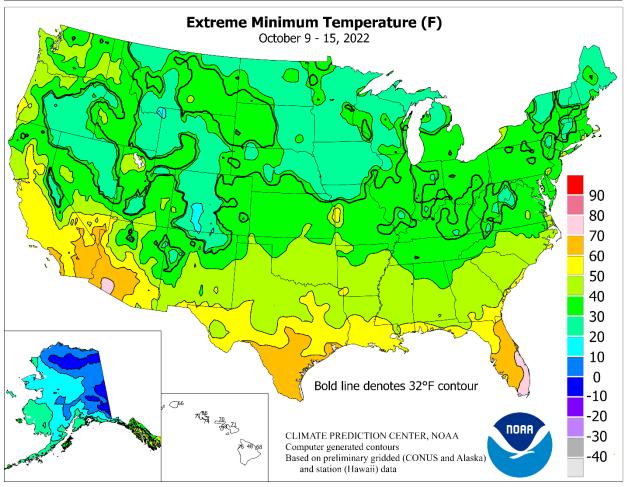












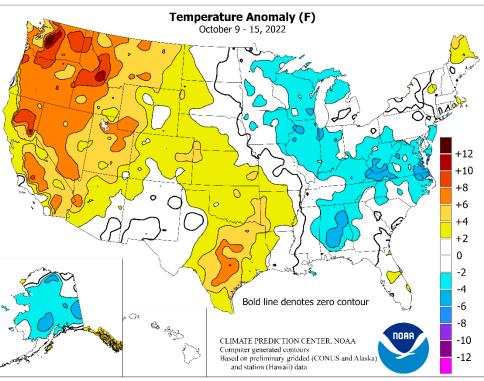
(Continued from front cover)

heavily in New England, where 2- to 4-inch totals were common. Southeastern rainfall was generally heaviest in parts of Alabama and Georgia. Portions of the Midwest also received some precipitation, with rain and snow showers noted downwind of the Great Lakes. Late in the week, additional rain developed across the South. Spotty showers occurred from southern California to the southern Rockies, while locally heavy rain fell from western Texas into the mid-South. For the second week in a row, temperatures averaged at least 5 to 10°F above normal in many locations from the Pacific Coast to the northern High Plains. A secondary area of warmth covered the south-central U.S., where temperatures in parts of central, eastern, and southern Texas averaged more than 5°F above normal. In contrast, readings averaged as much as 5°F below normal in the eastern Corn Belt, Ohio Valley, Southeast, and mid-Atlantic. Exceptions to the Eastern cool pattern included lingering warmth in southern Florida and northern New England. Following the previous week's Midwestern cold snap, ongoing chilly weather led to additional frost and freezes. In

fact, hard freezes (28°F or below) were noted in much of the **upper Midwest**, extending as far south as **Iowa**, **eastern Nebraska**, and **northern Missouri**.

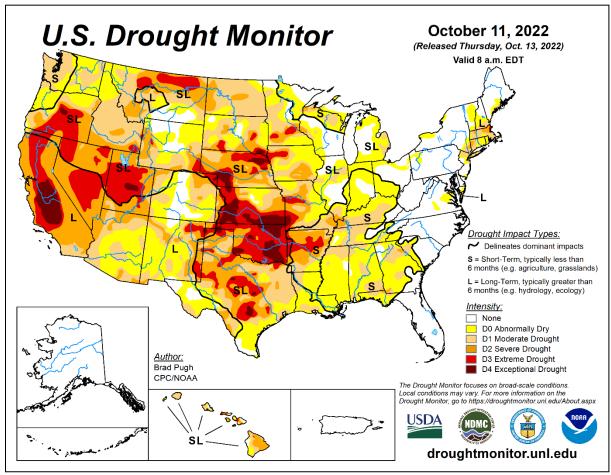
As the week began, frosty conditions settled across the Ohio Valley and mid-Atlantic. In Kentucky, daily-record lows for October 9 dipped to 30°F in Frankfort and 31°F in Lexington. Parkersburg, WV, collected consecutive daily-record lows (32 and 33°F, respectively) on October 9-10. By mid-week, a cold front crossing the **North** generated some high winds, including South Dakota gusts to 71 mph in Buffalo and 61 mph in Faith. Subsequently, chilly weather and snow showers engulfed portions of the Great Lakes States. On October 14, high temperatures peaked at 34°F in Wisconsin locations such as Antigo, Stevens Point, Merrill, and Rhinelander. In addition, Rhinelander received a dailyrecord snowfall of 2.0 inches on the 14th. Duluth, MN, also measured 2.0 inches of snow on that date, helping to boost its October 14-16 total to 5.1 inches. Elsewhere, record-setting snowfall totals for October 14 included 0.4 inch in Minneapolis-St. Paul, MN, and 0.3 inches in Eau In contrast, record-setting warmth dominated the Northwest. From October 8-10, Dallesport, WA, tallied a trio of dailyrecord highs (88, 87, and 88°F). Similarly, Portland, OR, posted a pair of daily-record highs (87 and 85°F, respectively) on October 8-9, followed by another five consecutive records (80, 84, 82, 87, and 86°F) from October 12-16. In addition, Portland recorded maxima of 80°F or higher on 12 of the first 16 days of the month, breaking the October record of 6 days, set in 1952, 1980, and 1991. Portland also continued to await its first measurable rain of the month. Farther south, Red Bluff, CA, logged a daily-record high of 100°F on October 12. Late-season warmth also lingered in the Deep South, where Fort Myers, FL (94°F on the 11th), notched a daily-record high. In Texas, Waco's high of 100°F on October 12 marked the latest triple-digit heat on record in that location (previously, 100°F on October 4, 1983). Back in the Northwest, Dallesport, WA, registered another string of daily-record highs (83, 83, and 82°F) from October 12-14. With a high of 92°F on the 15th, Salem, OR, came within 1°F of its highest October reading on record (93°F on October 3, 1932, and October 2, 1970. Prior to this year, Salem's latest 90-degree reading had occurred on October 10, 1934.

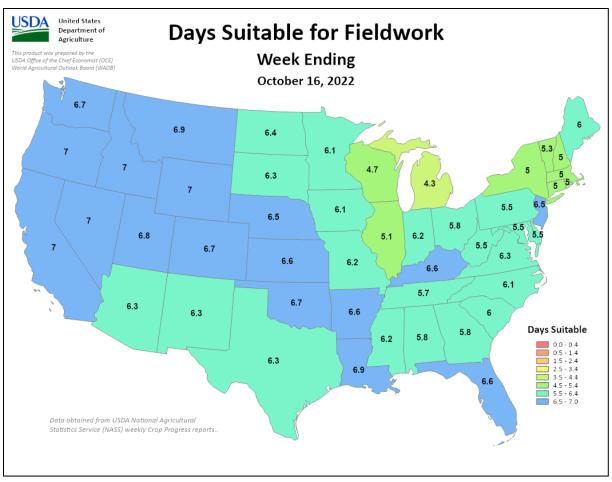
Precipitation across the country was scarce until mid-week, when heavy showers developed across the **central Gulf Coast States**. In **Mississippi**,



record-setting rainfall totals for October 12 included 3.18 inches in Meridian and 1.89 inches in Gulfport. Showers soon swept into the East; daily-record totals for the 13th included 1.57 inches in Allentown, PA, and 1.41 inches on St. Simons Island, GA. Rain lingered in New England, particularly across Maine. Bangor, ME, received exactly 5 inches of rain on October 14-15, aided by a daily-record sum of 3.20 inches on the latter date. Elsewhere in Maine, October 13-15 rainfall totaled 3.33 inches in Augusta, 3.32 inches in Millinocket, and 3.27 inches in Portland. Late in the week, showers developed over the southwestern and south-central U.S. Phoenix, AZ, received a 2-day (October 15-16) total of 0.94 inch. Daily-record amounts for October 15 reached 0.28 inch in Winslow, AZ, and 0.15 inch in Barstow-Daggett, CA. Meanwhile, the Mississippi River fell to record-low levels in mid-October at several gauge sites between New Madrid, MO, and Greenville, MS. In Missouri, stages of -5.51 feet (on the 15th) in New Madrid and -1.82 feet (on the 16th) in Caruthersville broke records set on August 30, 2012. Farther downstream, the gauge in Osceola, AR, recorded -11.66 feet on October 17, more than a foot below the record set on July 11, 1988. The Mississippi River at Memphis, TN, also edged a July 1988 standard, falling to a stage of -10.79 feet on October 17. Meanwhile, the Ohio River at Cairo, IL (4.88 feet on October 17), fell to its lowest level since 1901.

Colder weather suddenly arrived across much of the Alaskan mainland, while warmth lingered in the southeastern part of the state. Juneau started and ended the week with daily-record highs (61 and 56°F, respectively, on October 9 and 15. Other Alaskan daily-record highs on the 15th included 66°F in Ketchikan and 63°F in Sitka. Between the warm days, considerable precipitation pelted southeastern Alaska, with Juneau measuring a weekly sum of 4.29 inches. Similarly, Sitka received an October 9-15 total of 5.44 inches. High winds accompanied some of the storminess across southern Alaska, with Cold Bay clocking a wind gust to 68 mph on October 10. Farther south, trade-wind flow briefly broke down across Hawaii, as a cold front approached and dissipated. Lihue, Kauai, received rainfall totaling 0.53 inch on October 11-12. In advance of the front, Hilo (on the Big Island) registered a daily-record high of 89°F on October 10. Through the 15th, month-todate rainfall at the state's major airport observation sites ranged from 0.05 inch (9 percent of normal) in Honolulu, Oahu, to 1.43 inches (31 percent) in Hilo.





National Weather Data for Selected Cities

Weather Data for the Week Ending October 15, 2022

Data Provided by Climate Prediction Center

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	STATES	1	ΓEMF	PERA	TUR	E°	F			PREC	CIPITA	ATION	l			IIDITY CENT	TEM	IP. °F	PRE	CIP
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5	AND STATIONS	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
AK	ANCHORAGE BARROW	41 29	30 20	52 34	24 2	36 25	-3 0	0.85 0.45	0.42 0.33	0.66 0.18	6.64 0.82	160 77	22.33 7.76	167 172	88 91	43 69	0	6 7	3 6	1
	FAIRBANKS	35	23	47	15	29	-1	0.43	0.03	0.18	1.94	110	6.52	65	87	62	0	6	3	0
	JUNEAU	53	45	60	40	49	5	4.26	2.32	1.62	17.50	130	69.71	140	98	80	0	0	7	3
	KODIAK NOME	51 36	40 24	59 38	35 18	46 30	3 -2	2.61 0.06	0.61 -0.38	1.68 0.04	10.94 6.05	92 191	61.15 16.41	105 117	84 81	48 57	0	0 7	4 2	2
AL	BIRMINGHAM	76	48	83	42	62	-2 -4	2.03	1.34	1.08	3.81	68	42.24	92	88	36	0	0	2	2
	HUNTSVILLE	76	46	83	35	61	-4	1.47	0.73	1.44	4.98	96	42.46	100	93	34	0	0	2	1
	MOBILE	85	58	87	53	71	1	0.64	-0.23	0.33	1.86	25	45.47	82	84	32	0	0	2	0
AR	MONTGOMERY FORT SMITH	79 85	49 54	84 93	43 43	64 69	-5 5	1.41 2.41	0.77 1.48	1.25 2.41	2.95 3.01	57 50	43.90 38.13	107 101	96 81	41 27	0	0	2	1
, \	LITTLE ROCK	86	53	92	46	70	5	0.51	-0.40	0.50	1.14	23	33.75	88	80	28	2	0	2	1
AZ	FLAGSTAFF	69	35	73	30	52	3	0.24	-0.11	0.24	2.22	86	13.30	81	89	27	0	2	1	0
	PHOENIX PRESCOTT	93 75	70 46	98 79	65 44	81 61	2 2	0.61 0.42	0.48 0.22	0.61 0.41	1.41 3.29	165 195	3.28 10.23	58 95	54 84	20 27	6 0	0	1 2	1
	TUCSON	88	62	92	59	75	1	0.10	-0.05	0.10	1.34	81	4.81	54	67	23	2	0	1	0
CA	BAKERSFIELD	89	66	92	63	78	8	0.00	-0.04	0.00	0.00	0	1.85	40	51	24	3	0	0	0
	EUREKA FRESNO	54 90	47 63	57 93	42 60	51 77	-4 9	0.00	-0.46 -0.09	0.00	0.44 0.06	29 29	14.48 1.15	55 14	99 69	92 23	0	0	0	0
	LOS ANGELES	72	65	93 75	63	68	1	0.00	0.15	0.00	0.06	130	1.15	20	90	69	0	0	2	0
	REDDING	97	54	100	52	76	9	0.00	-0.38	0.00	0.91	81	5.80	25	61	10	7	0	0	0
	SACRAMENTO	85 72	54 66	92 75	50 64	70	4 1	0.00	-0.15	0.00 0.02	0.28	78 238	2.46 3.16	19	90 86	32	2	0	0 2	0
	SAN DIEGO SAN FRANCISCO	65	54	68	52	69 60	-4	0.04 0.00	-0.06 -0.14	0.02	0.69 0.28	236 85	2.09	45 16	95	66 68	0	0	0	0
	STOCKTON	86	55	90	53	71	4	0.00	-0.13	0.00	0.06	19	1.66	18	88	31	2	0	0	0
CO	ALAMOSA	68	25	70	22	47	1	0.00	-0.15	0.00	0.93	71	10.16	160	89	18	0	6	0	0
	CO SPRINGS DENVER INTL	73 71	39 41	78 77	34 35	56 56	4	0.00	-0.19 -0.24	0.00	0.62 1.57	35 83	10.61 9.78	71 75	67 67	17 18	0	0	0	0
	GRAND JUNCTION	75	45	77	42	60	5	0.00	-0.24	0.00	2.89	170	6.22	84	62	21	0	0	0	0
	PUEBLO	79	37	84	34	58	3	0.00	-0.18	0.00	0.65	64	9.00	82	66	14	0	0	0	0
CT	BRIDGEPORT	68	46	71	39	57	-1	0.80	-0.08	0.72	7.45	126	27.22	77	92	51	0	0	2	1
DC	HARTFORD WASHINGTON	70 71	41 49	74 76	34 41	55 60	1 -2	1.06 0.58	0.00 -0.23	0.57 0.58	9.61 4.08	143 71	36.63 33.57	98 99	92 89	41 43	0	0	2	1
DE	WILMINGTON	71	44	75	38	57	-1	0.10	-0.72	0.10	6.19	99	32.44	88	93	42	0	0	1	0
FL	DAYTONA BEACH	85	69	87	64	77	1	0.00	-1.26	0.00	12.10	119	39.13	88	94	60	0	0	0	0
	JACKSONVILLE KEY WEST	85 87	62 78	88 87	57 74	74 82	1 0	1.44 1.41	0.34 -0.06	0.87 0.88	6.69 12.68	64 122	44.67 31.49	94 93	97 96	51 78	0	0	3 6	2
	MIAMI	89	77	91	76	83	2	4.17	2.20	2.22	15.97	108	59.55	102	92	64	4	0	4	2
	ORLANDO	88	71	90	66	80	3	0.00	-0.86	0.00	22.01	260	53.56	117	93	56	2	0	0	0
	PENSACOLA TALLAHASSEE	84 87	62 56	86 89	57 48	73 71	0 -1	0.14 0.14	-0.91 -0.61	0.08 0.14	2.34 1.43	26 21	52.47 49.38	93 98	80 88	39 32	0	0	2	0
	TAMPA	87	72	90	66	80	1	0.14	-0.01	0.14	10.48	138	47.45	106	89	58	2	0	2	0
	WEST PALM BEACH	88	76	89	73	82	3	2.24	0.80	1.60	12.31	110	40.90	78	90	64	0	0	3	2
GA	ATHENS	77	50	83 81	43	63 64	-2 -2	0.76	0.02	0.56	3.38	60 38	33.26	85 95	96 85	43	0	0	2	1
	ATLANTA AUGUSTA	76 79	52 53	82	45 43	66	-2 -2	1.11 1.82	0.42 1.26	0.64 1.82	2.09 4.00	80	38.54 40.93	112	98	43 45	0	0	2	1
	COLUMBUS	79	53	83	48	66	-3	1.43	0.81	1.14	4.01	84	36.85	95	84	39	0	0	2	1
	MACON	82	51	85	43	66	-2	0.47	-0.08	0.31	2.53	50	38.37	101	95	39	0	0	2	0
ні	SAVANNAH HILO	81 87	59 71	82 89	49 68	70 79	0 3	0.92 0.90	-0.04 -1.30	0.88 0.85	5.88 5.96	89 44	32.22 63.04	78 71	95 93	49 60	0	0	2	1
	HONOLULU	86	75	87	74	81	0	0.02	-0.28	0.01	0.48	33	9.54	86	86	60	0	0	2	0
	KAHULUI	90	75 71	91 84	71 66	82 77	3	0.00	-0.15 0.17	0.00	0.61	82	1.43	13	80	53 67	4	0	0	0
IA	LIHUE BURLINGTON	83 65	71 38	84 76	66 30	77 52	-3 -4	0.55 0.55	-0.17 -0.17	0.34 0.44	1.77 5.96	48 116	21.04 22.35	81 69	94 90	67 37	0	0	4 3	0
	CEDAR RAPIDS	65	34	76	26	49	-3	0.66	-0.01	0.65	1.50	30	17.77	57	90	34	0	3	2	1
	DES MOINES	68	40	78	29	54	-1	0.08	-0.58	0.08	1.89	40	23.89	75 74	80	30	0	2	1	0
	DUBUQUE SIOUX CITY	62 70	36 32	72 84	27 22	49 51	-3 -1	0.22 0.00	-0.46 -0.56	0.14 0.00	0.87 0.79	16 19	23.46 11.91	71 45	93 80	40 26	0	3	3	0
	WATERLOO	66	36	77	28	51	-2	0.04	-0.61	0.04	1.42	30	28.45	89	82	32	0	3	1	0
ID	BOISE	77	47	78	44	62	7	0.00	-0.17	0.00	0.11	14	5.67	68	53	20	0	0	0	0
	LEWISTON POCATELLO	75 72	49 34	78 76	45 29	62 53	8 5	0.00	-0.22 -0.23	0.00	1.35 1.09	129 79	10.99 8.38	111 90	78 74	31 20	0	0	0	0
IL	CHICAGO/O_HARE	63	42	73	35	53	-3	0.00	-0.23	0.00	3.00	61	26.63	90 84	84	37	0	0	3	0
	MOLINE	65	38	76	32	51	-4	0.26	-0.38	0.23	3.99	85	26.54	81	87	37	0	2	2	0
	PEORIA ROCKEORD	65 63	41 38	77 72	33 31	53 50	-3 -4	0.14	-0.57 0.18	0.14	0.93	18 134	20.33	65 108	85 93	34 43	0	0	1 3	0
	ROCKFORD SPRINGFIELD	63 67	38 40	72 79	31 33	50 53	-4 -4	0.76 0.81	0.18 0.07	0.41 0.63	6.62 4.45	134 100	34.43 26.98	108 86	93 88	43 35	0	1	3	0
IN	EVANSVILLE	73	42	80	34	57	-3	0.03	-0.67	0.03	6.18	126	38.63	101	89	29	0	0	1	0
	FORT WAYNE	66	38	76	32	53	-2	0.19	-0.48	0.10	2.16	48	26.94	82	87	32	0	1	3	0
	INDIANAPOLIS SOUTH BEND	67 65	41 40	74 76	34 33	54 52	-3 -1	0.02 0.57	-0.68 -0.28	0.02 0.26	2.12 2.99	45 56	28.57 26.20	80 81	84 91	31 35	0	0	1 4	0
KS	CONCORDIA	78	45	86	40	61	4	0.54	0.08	0.54	2.58	65	18.94	74	72	23	0	0	1	1
	DODGE CITY	80	44	87	38	62	3	0.00	-0.49	0.00	2.66	115	10.89	56	77	21	0	0	0	0
	GOODLAND TOPEKA	76 78	40 43	85 84	36 34	58 61	4 2	0.00 0.59	-0.33 -0.06	0.00 0.59	0.74 1.80	35 35	10.09 26.52	57 83	77 87	16 25	0	0	0	0
	101 LIVA	70	40	04	J4	UΙ		0.08	-0.00	บ.บช	1.00	ບບ	20.02	UJ	07	23	v	v	'	'

Based on 1991-2020 normals

*** Not Available

Weekly Weather and Crop Bulletin
Weather Data for the Week Ending October 15, 2022

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	STATES	٦	ГЕМБ	PERA	TUR	E °	F			PREC	CIPITA	ATION			HUM	IDITY CENT		IP. °F	PRE	
Ş	AND STATIONS	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 LEXINGTON	81 72	48 43	87 80	39 31	65 57	4 -2	0.08 0.17	-0.58 -0.63	0.06 0.17	0.74 1.67	16 32	24.91 37.02	82 91	82 81	26 26	0	0	2	0
	LOUISVILLE	73	46	81	37	60	-2	0.00	-0.83	0.00	2.06	37	33.42	85	79	26	0	0	0	0
LA	PADUCAH BATON ROUGE	76 87	43 57	83 90	33 53	60 72	-2 1	0.19 0.08	-0.65 -0.98	0.19 0.08	0.85 0.94	15 14	34.11 33.65	85 67	87 93	27 35	0	0	1	0
	LAKE CHARLES	85	58	86	54	72	-1	0.41	-0.58	0.39	2.10	28	25.92	53	95	41	0	0	2	0
	NEW ORLEANS	84	64	88	59	74	0	0.18	-0.61	0.18	2.64	38	39.94	75	92	41	0	0	1	0
MA	SHREVEPORT BOSTON	88 68	56 51	92 75	48 44	72 59	3	0.00 2.25	-0.96 1.35	0.00 1.17	2.27 5.72	40 104	37.65 22.69	94 67	83 90	32 44	2	0	0	0 2
IVIA	WORCESTER	64	46	69	34	55	3	1.29	0.20	0.82	8.70	132	36.18	96	94	54	0	0	3	1
MD	BALTIMORE	71	44	76	36	58	-1	0.78	-0.10	0.78	7.60	118	38.96	107	94	39	0	0	1	1
ME	CARIBOU PORTLAND	60 61	39 41	67 66	27 32	49 51	3 -1	1.79 3.30	0.88 2.07	1.74 2.78	3.72 7.60	69 121	31.67 41.62	100 113	89 99	55 64	0	4 1	2	1
МІ	ALPENA	58	34	74	30	46	-3	0.16	-0.53	0.15	1.96	45	22.57	93	94	48	0	4	2	0
	GRAND RAPIDS	62	39	75	36	51	-2	1.61	0.69	0.59	2.91	54	29.02	91	91	44	0	0	5	2
1	HOUGHTON LAKE LANSING	57 64	35 41	73 76	26 39	46	-2 0	0.59 0.68	-0.13 -0.06	0.46	3.49	85 65	21.97	93 107	95 88	53 39	0	2	4	0
	MUSKEGON	62	41 42	76 72	38	52 52	-1	2.21	1.32	0.34 0.87	2.87 4.85	94	29.40 26.98	97	88 85	39 49	0	0	4	2
	TRAVERSE CITY	58	39	79	33	48	-3	1.35	0.47	0.80	6.84	131	22.88	98	89	54	0	0	4	1
MN	DULUTH	54	34	77 75	31	44	-2 1	0.40	-0.29	0.23	3.13	62 67	25.68	97	92	56	0	5	4	0
1	INT_L FALLS MINNEAPOLIS	53 60	32 41	75 80	25 31	42 50	-1 -1	0.33 0.13	-0.17 -0.52	0.13 0.07	2.77 0.40	67 8	29.46 18.22	134 65	93 77	55 39	0	5 2	4 2	0
	ROCHESTER	61	35	77	26	48	-2	0.07	-0.48	0.04	1.09	22	31.11	102	86	42	0	3	2	0
	ST. CLOUD	59	36	81	29	47	-1	0.20	-0.44	0.10	2.23	50	20.99	84	92	47	0	4	3	0
МО	COLUMBIA KANSAS CITY	72 76	45 46	84 83	36 35	59 61	0 3	0.82 0.33	0.05 -0.46	0.70 0.31	2.59 1.15	46 19	26.91 27.31	77 79	83 74	33 25	0	0	2	1 0
	SAINT LOUIS	74	49	83	41	61	1	0.29	-0.38	0.18	2.00	45	40.66	119	73	30	0	0	2	0
	SPRINGFIELD	75	47	80	36	61	1	0.20	-0.52	0.14	1.34	22	31.89	87	81	31	0	0	3	0
MS	JACKSON MERIDIAN	83 81	51 49	88 85	48 45	67 65	-1 -3	0.31 3.20	-0.45 2.39	0.28 3.18	0.89 3.61	17 73	47.57 43.94	104 97	92 98	31 38	0	0	2	0
	TUPELO	81	48	85	43	65	-3 -1	1.83	0.98	1.81	2.43	44	38.45	84	87	29	0	0	2	1
MT	BILLINGS	69	44	77	42	56	6	0.00	-0.35	0.00	1.52	71	13.24	105	70	26	0	0	0	0
	BUTTE	66 67	33	69 73	24	49	7 7	0.00 0.10	-0.20	0.00 0.07	2.05	136	8.61	76 74	82 87	22 25	0	5 1	0	0
	CUT BANK GLASGOW	66	35 40	77	27 31	51 53	6	0.10	-0.03 -0.20	0.07	0.82 0.87	59 54	7.33 7.03	74 58	69	25 29	0	1	2	0
	GREAT FALLS	67	37	74	30	52	5	0.23	-0.04	0.23	2.87	150	11.17	85	84	29	0	1	1	0
	HAVRE	69	36	80	32	52	6	0.03	-0.15	0.03	0.46	31	6.99	65	80	25	0	2	1	0
NC	MISSOULA ASHEVILLE	72 70	38 44	76 79	32 37	55 57	9 -2	0.00 0.01	-0.25 -0.72	0.00 0.01	1.41 4.29	94 73	7.76 37.77	69 94	84 95	29 43	0	1 0	0 1	0
110	CHARLOTTE	74	50	79	44	62	-1	0.11	-0.60	0.11	4.85	90	31.75	90	92	45	0	0	1	0
	GREENSBORO	71	47	77	43	59	-3	0.09	-0.59	0.06	5.82	94	36.88	102	90	42	0	0	2	0
	HATTERAS RALEIGH	72 76	56 48	78 80	47 42	64 62	-5 -1	0.35 0.10	-0.90 -0.66	0.35 0.08	2.63 4.96	24 71	35.20 34.83	71 92	96 97	58 38	0	0	1 2	0
	WILMINGTON	76	55	81	49	65	-2	0.35	-0.81	0.35	5.39	47	35.69	69	96	51	0	0	1	0
ND	BISMARCK	62	34	76	29	48	1	0.01	-0.33	0.01	1.02	41	24.00	140	74	25	0	2	1	0
	DICKINSON FARGO	60 57	37 35	72 77	29 28	49 46	3 -2	0.00	-0.28 -0.52	0.00	0.16 0.51	7 13	13.70 17.78	95 84	70 78	29 41	0	1 3	0	0
	GRAND FORKS	57	35	76	28	46	0	0.04	-0.40	0.03	0.66	20	20.40	105	82	45	0	3	2	0
1.	JAMESTOWN	58	32	72	27	45	-1	0.00	-0.40	0.00	0.77	25	14.57	80	79	36	0	4	0	0
NE	GRAND ISLAND LINCOLN	75 74	40 40	85 85	34 29	58 57	3 1	0.00 0.51	-0.50 -0.02	0.00 0.50	0.80 1.48	25 36	10.99 17.95	46 69	74 77	21 25	0	0 2	0 2	0
	NORFOLK	72	36	85	22	54	1	0.00	-0.55	0.00	1.47	40	11.40	47	73	22	0	2	0	0
	NORTH PLATTE	74	33	87	28	54	2	0.00	-0.41	0.00	1.37	54	12.18	62	85	20	0	3	0	0
1	OMAHA SCOTTSBLUFF	72 71	40 36	83 82	31 33	56 53	0 3	0.35 0.00	-0.20 -0.30	0.31 0.00	1.86 1.13	43 59	19.82 7.73	70 55	84 79	28 22	0	1 0	2	0
1	VALENTINE	69	32	84	30	53 51	0	0.00	-0.34	0.00	0.21	8	9.66	50	79 78	23	0	5	0	0
NH	CONCORD	65	37	75	28	51	0	1.61	0.59	0.83	5.73	99	29.93	92	98	54	0	1	3	2
NJ	ATLANTIC_CITY	69	43	74	38	56 57	-3	0.36	-0.54	0.36	9.67	176	43.72	121	92	41	0	0	1	0
NM	NEWARK ALBUQUERQUE	69 74	46 48	73 79	37 46	57 61	-2 1	0.39 0.21	-0.45 0.00	0.38 0.16	6.44 1.11	114 68	29.38 7.37	79 100	90 75	41 25	0	0	2	0
NV	ELY	73	30	76	25	51	4	0.00	-0.18	0.00	1.59	158	5.31	69	59	13	0	5	0	0
1	LAS VEGAS	89	67	90	65	78	6	0.00	-0.07	0.00	0.46	100	1.59	49	35	14	3	0	0	0
1	RENO WINNEMUCCA	82 81	46 32	83 84	42 27	64 56	8 5	0.00	-0.11 -0.14	0.00	0.25 0.40	56 60	2.66 3.18	49 52	57 56	13 11	0	0 4	0	0
NY	ALBANY	67	40	71	36	54	1	1.56	0.63	1.26	7.43	131	36.86	113	97	47	0	0	3	1
	BINGHAMTON	61	40	67	33	50	0	0.80	-0.06	0.80	8.71	148	34.95	102	92	51	0	0	1	1
	BUFFALO	64 64	46	72 73	43	55 52	2	1.69	0.75	1.37	5.72	93	27.98	89 80	85	43 45	0	0	5	1
	ROCHESTER SYRACUSE	64 67	41 43	73 73	37 35	52 55	-1 2	0.65 0.75	-0.09 -0.13	0.60 0.71	3.44 4.72	72 90	22.42 27.99	80 89	94 84	45 42	0	0	3	1
ОН	AKRON-CANTON	66	44	73	35	55	0	1.36	0.60	1.11	4.27	83	31.25	92	78	35	0	0	2	1
1	CINCINNATI	69	43	78	35	56	-2	0.06	-0.68	0.03	1.97	42	38.97	106	85	29	0	0	2	0
	CLEVELAND COLUMBUS	65 67	45 43	74 76	38 35	55 55	-1 -1	1.57 0.17	0.77 -0.48	1.57 0.16	5.00 3.28	88 72	33.76 37.53	102 109	78 87	36 30	0	0	1 2	1 0
1	DAYTON	68	44	75	36	56	-2	0.08	-0.58	0.08	2.20	46	31.52	93	76	27	0	0	1	0
	MANSFIELD	64	42	72	36	53	-1	0.63	-0.07	0.63	6.29	128	37.77	108	81	35	0	0	1	1

Based on 1991-2020 normals

*** Not Available

Weekly Weather and Crop Bulletin
Weather Data for the Week Ending October 15, 2022

	=										9		15, 202		RELA	ATIVE	NUN	/BER	OF D	AYS
	STATES	1	ГЕМБ	PERA	TUR	E °	F			PREC	CIPITA	ATION				IDITY CENT	TEM	IP. °F	PRE	ECIP
	AND						E AL		E AL	≥ ×	1	17	1	14.			Æ	N		
\$	STATIONS	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
	TOLEDO	67	43	76	38	55	-1	0.06	-0.52	0.03	2.88	68	34.72	121	83	33	0	0	2	0
ОК	YOUNGSTOWN OKLAHOMA CITY	65 80	41 53	72 90	32 43	53 66	-1 4	0.92 0.50	0.16 -0.25	0.73 0.38	3.74 2.20	68 41	35.57 18.95	106 60	86 88	38 35	0	1	2	1 0
	TULSA	80	53	87	46	67	3	0.40	-0.42	0.16	2.32	41	26.67	78	86	33	0	0	4	0
OR	ASTORIA	72	47	83	44	59	6	0.04	-1.33	0.04	0.77	14	42.42	95	99	57	0	0	1	0
	BURNS EUGENE	78 81	32 43	80 86	27 39	55 62	8 8	0.00	-0.17 -0.62	0.00	0.21 0.13	30 5	4.52 18.83	61 73	67 95	16 32	0	4 0	0	0
	MEDFORD	87	48	90	45	68	10	0.00	-0.23	0.00	0.52	56	7.69	66	75	17	2	0	0	0
	PENDLETON	77	48	83	44	63	10	0.00	-0.22	0.00	0.09	9	11.04	118	70	26	0	0	0	0
	PORTLAND SALEM	81 81	51 48	87 92	49 45	66 65	9	0.00	-0.68 -0.69	0.00	0.31 0.29	11 10	23.19 24.55	98 98	87 92	35 31	0	0	0	0
PA	ALLENTOWN	67	40	71	33	53	-3	1.56	0.57	1.56	7.87	111	37.94	99	95	43	0	0	1	1
	ERIE	63	46	73	41	54	-2	1.85	0.83	1.06	10.27	158	36.49	111	82	42	0	0	2	2
	MIDDLETOWN PHILADELPHIA	69 71	44 48	73 74	37 43	57 59	-1 0	0.51 0.59	-0.35 -0.19	0.51 0.59	6.61 6.46	97 105	32.80 30.48	91 85	92 93	43 40	0	0	1 1	1
1	PITTSBURGH	64	40	71	35	52	-3	0.35	-0.19	0.39	4.57	97	31.04	95	84	38	0	0	2	0
	WILKES-BARRE	67	42	71	34	55	0	0.19	-0.67	0.18	8.21	136	33.86	108	94	43	0	0	2	0
RI	WILLIAMSPORT PROVIDENCE	67 69	42 47	70 73	34 38	54 58	0 2	0.90 1.60	0.05 0.67	0.90 1.01	7.44 9.31	111 150	30.26 33.57	85 92	96 95	47 48	0	0	1 2	1 2
SC	CHARLESTON	79	60	83	50	69	0	0.68	-0.42	0.42	8.54	99	43.74	97	95 95	53	0	0	2	0
	COLUMBIA	76	56	82	45	66	0	0.82	0.09	0.82	3.97	70	33.92	90	90	50	0	0	1	1
	FLORENCE GREENVILLE	77 73	54 48	81 81	44 40	65 60	-2 -3	0.08 0.17	-0.76 -0.64	0.07 0.17	4.50 5.18	70 92	31.27 40.89	83 103	93 90	47 45	0	0	2	0
SD	ABERDEEN	64	29	82	21	47	-3 -2	0.00	-0.52	0.17	0.19	6	17.09	87	79	28	0	5	0	0
	HURON	67	35	85	28	51	1	0.00	-0.46	0.00	0.31	8	14.05	67	73	23	0	2	0	0
	RAPID CITY	67	37	77	30	52	3	0.02	-0.35	0.02	0.83	40	14.66	91	79	29	0	1	1	0
TN	SIOUX FALLS BRISTOL	67 73	37 38	84 79	27 35	52 56	0 -3	0.02 0.00	-0.59 -0.53	0.02 0.00	2.02 3.27	48 80	20.76 34.06	83 95	72 91	24 34	0	2	1 0	0
	CHATTANOOGA	75	45	83	40	60	-4	0.29	-0.45	0.20	3.30	55	41.53	96	88	34	0	0	2	0
	KNOXVILLE	76	43	83	37	59	-3	0.11	-0.44	0.10	2.50	51	40.51	98	88	33	0	0	2	0
	MEMPHIS NASHVILLE	78 77	54 48	85 83	46 38	66 62	0 -1	1.46 0.30	0.64 -0.41	0.90 0.29	3.68 1.69	76 31	40.76 41.68	95 102	81 76	32 25	0	0	2 2	2
TX	ABILENE	83	59	89	51	71	3	1.05	0.39	0.60	2.07	51	9.68	45	84	37	0	0	3	1
	AMARILLO	76	49	84	41	63	2	0.32	-0.12	0.32	2.70	101	13.90	79	85	32	0	0	1	0
	AUSTIN BEAUMONT	92 86	68 63	98 87	64 57	80 74	6 1	0.00 0.68	-0.86 -0.49	0.00 0.43	0.46 1.20	8 12	12.84 30.96	45 61	81 99	31 46	7	0	0 2	0
	BROWNSVILLE	92	72	94	67	82	3	0.03	-0.49	0.43	4.54	58	20.38	92	99	51	6	0	2	0
	CORPUS CHRISTI	92	71	98	69	82	6	0.00	-0.68	0.00	1.65	23	17.42	66	87	48	6	0	0	0
	DEL RIO EL PASO	90 82	67 57	95 89	63 55	78 69	5 1	0.00 0.39	-0.50 0.25	0.00 0.26	1.32 3.26	34 177	5.57 8.86	32 118	78 80	35 32	3	0	0 2	0
	FORT WORTH	87	63	95	56	75	6	0.00	-0.98	0.00	0.33	7	26.49	90	72	30	2	0	0	0
	GALVESTON	85	73	88	70	79	2	0.20	-0.95	0.13	3.00	33	24.88	69	89	53	0	0	2	0
	HOUSTON	89	62	94	60	76	3	0.00	-1.17	0.00	0.75	10	29.83	72	96	40	3	0	0	0
	LUBBOCK MIDLAND	75 80	52 56	84 87	46 51	64 68	0	0.75 0.22	0.39 -0.07	0.52 0.13	1.90 1.11	56 47	11.49 6.95	71 59	85 90	43 36	0	0	2	1 0
	SAN ANGELO	87	57	92	45	72	3	0.29	-0.26	0.23	2.07	55	7.79	44	87	32	2	0	2	0
	SAN ANTONIO	90	68	94	64	79	6	0.00	-0.87	0.00	0.94	16	7.94	30	83	34	4	0	0	0
	VICTORIA WACO	93 92	65 61	97 100	60 48	79 76	5 6	0.04 0.00	-0.87 -1.05	0.04 0.00	1.00 0.39	15 8	15.23 11.62	46 40	97 78	44 26	6	0	1 0	0
	WICHITA FALLS	85	56	94	48	70	4	0.18	-0.46	0.12	0.30	7	11.93	51	81	29	1	0	2	0
UT VA	SALT LAKE CITY LYNCHBURG	76 73	51 43	81 78	47 36	64 58	8 -1	0.00 0.83	-0.28 0.14	0.00 0.82	0.78 2.35	47 42	7.04 34.95	58 101	55 90	20	0	0	0 2	0
VA	NORFOLK	73 71	50	78 78	36 47	60	-1 -5	0.83	-0.56	0.82	5.00	42 67	34.95 28.93	70	90	32 48	0	0	2	1 0
	RICHMOND	73	45	79	38	59	-3	0.06	-0.70	0.06	2.32	36	29.52	79	92	37	0	0	1	0
	ROANOKE WASH/DULLES	73	42 41	81 76	35 34	57 56	-3	0.20 0.61	-0.49	0.20 0.61	6.49	115 90	36.24 32.19	102 92	88 95	34 39	0	0	1 1	0
VT	BURLINGTON	72 64	41	76 71	33	52	-2 0	1.78	-0.20 0.87	1.35	5.22 8.11	144	32.19	103	95 94	43	0	0	4	1
WA	OLYMPIA	73	40	76	38	57	5	0.00	-1.01	0.00	0.13	3	31.96	101	98	42	0	0	0	0
	QUILLAYUTE	70 71	42	82 75	40	56	5	0.00	-2.19	0.00	1.07	12	60.84	92	99	54	0	0	0	0
	SEATTLE-TACOMA SPOKANE	71 73	51 47	75 75	49 44	61 60	6 10	0.01 0.00	-0.76 -0.27	0.01 0.00	0.26 0.54	8 48	24.98 9.95	100 88	90 76	44 25	0	0	1 0	0
	YAKIMA	78	42	81	39	60	9	0.00	-0.13	0.00	0.12	25	4.12	77	82	28	0	0	0	0
WI	EAU CLAIRE	59	37	77	32	48	-1	0.22	-0.37	0.13	2.52	50	17.63	61	89	48	0	2	2	0
	GREEN BAY LA CROSSE	60 63	39 40	81 77	33 34	49 51	-1 -2	0.80 0.09	0.17 -0.49	0.73 0.08	4.15 0.77	90 15	26.93 21.83	101 71	86 88	52 41	0	0	3	1 0
	MADISON	60	39	72	31	49	-2	0.34	-0.43	0.29	4.29	88	29.69	93	90	45	0	1	3	0
I	MILWAUKEE	62	42	76	35	52	-2	0.70	0.04	0.55	6.92	150	30.03	103	84	46	0	0	2	1
WV	BECKLEY CHARLESTON	64 70	39 38	71 78	30 34	52 54	-4 -5	0.01 0.03	-0.58 -0.60	0.01 0.03	4.93 2.35	109 48	40.70 48.06	113 126	88 99	42 34	0	2	1 1	0
	ELKINS	67	32	73	27	49	-5 -5	0.03	-0.41	0.03	4.71	93	47.61	121	96	40	0	5	1	0
1	HUNTINGTON	70	40	79	32	55	-3	0.00	-0.66	0.00	2.15	46	38.81	105	88	29	0	1	0	0
WY	CASPER CHEYENNE	66 66	32 36	75 75	27 32	49 51	2	0.00	-0.30 -0.24	0.00	0.88 1.18	54 58	11.10 7.69	106 55	75 71	24 21	0	5 1	0	0
	LANDER	66	38	74	34	52	5	0.00	-0.24	0.00	1.78	102	11.20	100	68	25	0	0	0	0
	SHERIDAN	66	37	77	32	52	5	0.06	-0.33	0.04	2.93	123	16.39	126	79	33	0	1	2	0

Based on 1991-2020 normals

National Agricultural Summary

October 10 - 16, 2022

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Most of the nation remained drier than normal, although parts of Michigan, New England, the southern Plains, Southeast, and Southwest recorded at least twice the normal amount of weekly precipitation. Some locations in Maine and along the border of Oklahoma and Arkansas received more than 4 inches of rain. Meanwhile, most of the western

half of the U.S. recorded above-normal weekly temperatures. Parts of the Pacific Northwest and Montana recorded temperatures 9°F or more above normal. In contrast, much of the eastern half of the nation was cooler than normal. Portions of the mid-Atlantic, Midwest, and Mississippi Valley noted temperatures 3°F or more below normal.

Corn: Ninety-four percent of the nation's corn acreage was mature by October 16, three percentage points behind last year but 2 points ahead of the 5-year average. Forty-five percent of the 2022 corn acreage was harvested by week's end, 5 percentage points behind last year but 5 points ahead of the average pace. Harvest progress advanced 15 percentage points or more for the week in Illinois, Iowa, Minnesota, and South Dakota. On October 16, fifty-three percent of the nation's corn acreage was rated in good to excellent condition, 1 percentage point below the previous week and 7 points below the same time last year.

Soybeans: Nationally, leaf drop was 96 percent complete by October 16, two percentage points ahead of both last year and the 5-year average. Soybean harvest across the nation was 63 percent complete by October 16, five percentage points ahead of last year and 11 points ahead of average. Harvest progress advanced 15 percentage points or more for the week in 14 of the 18 estimating states. On October 16, fifty-seven percent of the nation's soybean acreage was rated in good to excellent condition, equal to the previous week but 2 percentage points below the previous year.

Winter Wheat: Nationwide, producers had sown 69 percent of the intended 2023 winter wheat acreage by October 16, equal to last year but 1 percentage point ahead of the 5-year average. Planting progress advanced by 20 percentage points or more during the week in Illinois, Indiana, Missouri, Ohio, and Oregon. Nationwide, 38 percent of the winter wheat acreage had emerged by October 16, four percentage points behind last year and 6 points behind average. Winter wheat emergence advanced by 15 percentage points or more during the week in Idaho, Michigan, Nebraska, South Dakota, and Washington.

Cotton: By October 16, eighty-nine percent of the nation's cotton had open bolls, 4 percentage points ahead of last year and 2 points ahead of the 5-year average. By October 16, thirty-seven percent of the nation's cotton acreage was harvested, 10 percentage points ahead of last year and 5 points ahead of average. Cotton harvest advanced 16 percentage

points or more during the week in Arkansas, Missouri, Tennessee, and Virginia. On October 16, thirty-one percent of the 2022 cotton acreage was rated in good to excellent condition, 1 percentage point above the previous week but 33 points below the same time last year.

Sorghum: By October 16, eighty-nine percent of the nation's sorghum acreage was mature, 3 percentage points behind last year but 2 points ahead of the 5-year average. Fifty-seven percent of the 2022 sorghum acreage had been harvested by October 16, one percentage point behind last year but 8 points ahead of average. Sorghum harvest advanced 10 percentage points or more during the week in five of the six estimating states.

Rice: Nationally, 89 percent of the rice acreage was harvested by October 16, one percentage point behind both the previous year and the 5-year average. California showed an increase of 25 percentage points from the previous week.

Other Crops: Fifty-five percent of the nation's peanut acreage was harvested as of October 16, eighteen percentage points ahead of last year and 8 points ahead of the 5-year average. Peanut harvest advanced 10 percentage points or more during the week in seven of the eight estimating states. On October 16, sixty-two percent of the nation's peanut acreage was rated in good to excellent condition, 1 percentage point below the previous week and 9 points below the same time last year.

By October 16, sugarbeet producers had harvested 67 percent of the nation's crop, 29 percentage points ahead of last year and 13 points ahead of the 5-year average. During the week, sugarbeet harvest advanced 50 and 43 percentage points, respectively, in Minnesota and North Dakota.

By October 16, twenty-two percent of this year's sunflower crop was harvested, 6 percentage points behind last year but 3 points ahead of the 5-year average. Sunflower harvest advanced 11 percentage points or more during the week in all estimating states.

Week Ending October 16, 2022

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

		Corn Percent Mature										
	Prev	Prev	Oct 16	5-Yr								
	Year	Week	2022	Avg								
co	90	80	95	87								
IL	98	75	88	94								
IN	97	84	92	92								
IA	97	92	96	93								
KS 99 95 97												
KY 98 95 99 9												
MI	92	75	86	81								
MN	99	92	96	92								
МО	99	93	97	98								
NE	95	91	94	94								
NC	100	100	100	100								
ND	96	86	93	85								
ОН	94	71	84	84								
PA	88	70	80	88								
SD	96	87	97	88								
TN	100	99	100	100								
TX	100	99	100	95								
WI	95	85	92	82								
18 Sts	97	87	94	92								
These 18 States planted 92% of last year's corn acreage.												

Soybea	ns Per	cent D	ropping	g					
	Lea	ves							
	Prev	Prev	Oct 16	5-Yr					
	Year	Week	2022	Avg					
AR	91	85	91	92					
IL	91	89	96	93					
IN	97	91	96	95					
IA	98	93	96	96					
KS	89	82	90	90					
KY	79	70	81	81					
LA	94	99	100	98					
MI	99	95	98	95					
MN	99	96	99	98					
MS	89	94	96	95					
МО	87	88	94	84					
NE	100	96	100	98					
NC	85	80	90	81					
ND	100	97	100	99					
ОН	94	92	96	93					
SD	100	97	100	98					
TN	86	85	93	90					
WI	98	92	97	93					
18 Sts	94	91	96	94					
These 18 States planted 96%									

of last year's soybean acreage.

Corn I	Percer	nt Harv	ested								
	Prev	Prev	Oct 16	5-Yr							
	Year	Week	2022	Avg							
СО	43	19	27	34							
IL	61	27	47	55							
IN	44	27	39	42							
IA	41	23	38	29							
KS 74 61 73											
KY	68	67	78	77							
МІ	31	16	22	21							
MN	51	14	36	29							
МО	73	53	67	65							
NE	39	34	46	32							
NC	93	88	91	92							
ND	40	12	25	23							
ОН	24	15	24	25							
PA	22	9	17	31							
SD	48	28	44	29							
TN	76	82	89	86							
TX	90	85	88	82							
WI	31	7	14	18							
18 Sts	50	31	45	40							
These 18 States harvested 93%											
of last year's o	of last year's corn acreage.										

Soybear	ns Per	cent Ha	arveste	d				
	Prev	Prev	Oct 16	5-Yr				
	Year	Week	2022	Avg				
AR	54	47	62	56				
IL	50	31	55	58				
IN	47	36	57	53				
IA	68	55	74	49				
KS	39	30	45	34				
KY	35	31	48	40				
LA	81	87	93	89				
МІ	39	32	49	43				
MN	90	63	83	61				
MS	63	73	84	74				
MO	29	22	38	29				
NE	74	54	76	57				
NC	19	23	31	22				
ND	80	53	76	61				
ОН	51	30	51	52				
SD	84	56	82	56				
TN	30	32	46	42				
WI	57	37	56	43				
18 Sts	58	44	63	52				
These 18 State	s harve	sted 96%	6	-				
of last year's soybean acreage.								

	Corn Condition by								
		Perc	ent						
	VP	Р	F	G	EX				
СО	18	25	34	21	2				
IL	3	4	20	53	20				
IN	3	8	31	50	8				
IA	2	7	26	51	14				
KS	28	26	24	20	2				
KY	11	16	32	36	5				
MI	2	5	31	47	15				
MN	3	7	28	48	14				
МО	9	15	26	41	9				
NE	18	18	25	32	7				
NC	21	25	25	22	7				
ND	2	7	33	52	6				
ОН	4	9	25	50	12				
PA	1	10	31	47	11				
SD	13	18	30	35	4				
TN	16	27	32	24	1				
TX	29	23	31	14	3				
WI	0	4	18	57	21				
18 Sts	9	12	26	42	11				
Prev Wk	8	12	26	43	11				
Prev Yr	4	10	26	45	15				

Soybean Condition by										
		Perc	ent							
	VP	Р	F	G	EX					
AR	5	8	28	49	10					
IL	4	4	21	53	18					
IN	3	8	31	49	9					
IA	2	8	28	51	11					
KS	25	26	28	19	2					
KY	4	12	32	42	10					
LA	20	26	34	19	1					
МІ	1	3	29	52	15					
MN	2	6	28	52	12					
MS	0	8	24	59	9					
МО	5	11	33	43	8					
NE	13	20	27	32	8					
NC	2	5	31	57	5					
ND	2	5	36	50	7					
ОН	3	9	27	49	12					
SD	10	19	30	38	3					
TN	2	10	39	38	11					
WI	1	4	20	53	22					
18 Sts	5	10	28	47	10					
Prev Wk	5	10	28	47	10					
Prev Yr	4	10	27	46	13					

Week Ending October 16, 2022

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

Cotton Percent Bolls Opening											
	Prev	Prev	Oct 16	5-Yr							
	Year	Week	2022	Avg							
AL	82	92	94	89							
ΑZ	100	99	100	100							
AR	100	99	100	100							
CA 95 80 85 8											
GA 86 87 92 92											
KS	89	81	88	83							
LA	100	100	100	100							
MS	92	94	96	96							
МО	95	98	99	97							
NC	93	94	96	93							
ок	89	89	93	90							
sc	89	89	94	91							
TN	84	80	93	94							
TX	81	78	85	82							
VA	96	96	97	96							
15 Sts 85 84 89 87											
These 15 States planted 99%											
of last year's	s cotton a	creage.									

Sor	ghum Pe	rcent l	Mature					
	Prev	Prev	Oct 16	5-Yr				
	Year	Week	2022	Avg				
СО	93	70	80	83				
KS	87	70	83	84				
NE	93	75	87	93				
ок	92	76	90	85				
SD	98	93	98	81				
TX	100	100	100	94				
6 Sts	92	80	89	87				
These 6 States planted 100% of last year's sorghum acreage.								

Peanuts Percent Harvested								
	Prev	Prev	Oct 16	5-Yr				
	Year	Week	2022	Avg				
AL	38	43	58	53				
FL	52	61	73	67				
GA	35	47	59	50				
NC	38	34	52	40				
ок	17	5	15	26				
sc	34	28	42	43				
TX	23	18	25	19				
VA	54	58	75	53				
8 Sts	8 Sts 37 43 55 47							
These 8 States harvested 96%								
of last year's peanut acreage.								

Cotton Percent Harvested						
	Prev	Prev	Oct 16	5-Yr		
	Year	Week	2022	Avg		
AL	16	24	33	28		
AZ	31	24	33	26		
AR	32	34	50	52		
CA	32	20	30	21		
GA	14	19	27	25		
KS	3	16	26	4		
LA	51	75	87	68		
MS	30	54	63	48		
МО	29	14	30	40		
NC	17	17	26	21		
ок	13	1	7	14		
sc	8	17	26	21		
TN	13	13	32	36		
TX	34	35	40	33		
VA	17	24	42	23		
15 Sts	27	29	37	32		
These 15 States harvested 99%						
of last year's	cotton a	creage.				

Sorghum Percent Harvested							
	Prev	Prev	Oct 16	5-Yr			
	Year	Week	2022	Avg			
СО	41	25	39	29			
KS	42	25	39	28			
NE	55	16	34	36			
ок	46	30	40	44			
SD	70	40	61	38			
TX	91	95	98	87			
6 Sts	58	46	57	49			
These 6 States harvested 100%							

of last year's sorghum acreage.

Peanut Condition by Percent							
	VP	Р	F	G	EX		
AL	0	0	4	79	17		
FL	1	5	43	51	0		
GA	1	7	32	51	9		
NC	1	2	24	68	5		
ок	0	0	16	84	0		
SC	0	1	15	72	12		
TX	0	11	58	30	1		
VA	0	1	16	80	3		
8 Sts	1	6	31	54	8		
Prev Wk	1	6	30	55	8		
Prev Yr	0	3	26	60	11		

Cotton Condition by							
Percent							
	VP	Р	F	G	EX		
AL	0	7	24	65	4		
AZ	1	0	0	40	59		
AR	6	5	15	51	23		
CA	0	0	5	95	0		
GA	1	6	27	55	11		
KS	11	41	31	16	1		
LA	6	17	44	31	2		
MS	0	6	27	63	4		
МО	6	6	28	57	3		
NC	0	6	27	62	5		
ок	43	7	46	4	0		
SC	1	8	23	66	2		
TN	3	10	33	47	7		
TX	25	46	19	8	2		
VA	0	1	21	76	2		
15 Sts	17	29	23	26	5		
Prev Wk	15	32	23	25	5		
Prev Yr	1	4	31	53	11		

Sugarbeets Percent Harvested						
	Prev Prev		Oct 16	5-Yr		
	Year	Week	2022	Avg		
ID	49	32	43	45		
МІ	44	30	34	36		
MN	35	32	82	59		
ND	29	36	79	61		
4 Sts	38	33	67	54		
These 4 States harvested 84%						
of last year's sugarbeet acreage.						

Sunflowers Percent Harvested							
Prev	Prev Prev		5-Yr				
Year	Week	2022	Avg				
28	10	21	30				
38	14	32	24				
19	10	26	19				
33	7	18	17				
4 Sts 28 9 22 19							
These 4 States harvested 86%							
	Prev Year 28 38 19 33 28 s harves	Prev Prev Year Week 28 10 38 14 19 10 33 7 28 9 s harvested 86%	Prev Prev Oct 16 Year Week 2022 28 10 21 38 14 32 19 10 26 33 7 18 28 9 22				

Crop Progress and ConditionWeek Ending October 16, 2022

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

Winter Wheat Percent Planted									
	Prev	Prev	Oct 16	5-Yr					
	Year	Week	2022	Avg					
AR	32	8	23	32					
CA	14	15	17	17					
СО	91	85	95	91					
ID	95	72	83	87					
IL	47	16	39	51					
IN	46	27	47	52					
KS	73	50	64	66					
MI	52	55	74	61					
МО	33	12	34	30					
MT	76	77	89	76					
NE	92	86	94	92					
NC	13	9	11	11					
ОН	57	37	66	66					
ок	56	38	53	66					
OR	55	47	71	65					
SD	94	79	91	91					
TX	63	58	70	63					
WA	92	80	89	86					
18 Sts	18 Sts 69 55 69 68								
These 18 State	These 18 States planted 89%								
of last year's w	of last year's winter wheat acreage.								

Winter Wheat Percent Emerged						
	Prev	Prev	Oct 16	5-Yr		
	Year	Week	2022	Avg		
AR	11	0	3	15		
CA	2	0	2	3		
СО	56	46	60	62		
ID	56	23	40	50		
IL	30	2	8	22		
IN	21	5	11	22		
KS	45	19	33	44		
MI	39	21	37	37		
MO	14	3	9	14		
MT	48	50	63	48		
NE	74	52	73	72		
NC	4	1	3	3		
ОН	26	2	10	34		
ок	35	20	30	46		
OR	19	12	23	27		
SD	50	38	54	64		
TX	38	28	37	38		
WA	57	46	64	57		
18 Sts	42	26	38	44		
These 18 States planted 90% of last year's winter wheat acreage.						

Rice Percent Harvested								
	Prev	Prev	Oct 16	5-Yr				
	Year	Week	2022	Avg				
AR	88	90	95	91				
CA	91	35	60	74				
LA	100	97	99	100				
MS	90	86	89	92				
MO	75	78	88	84				
TX	100	99	100	100				
6 Sts	6 Sts 90 81 89 90							
These 6 States harvested 100%								
of last year's rice acreage.								

Week Ending October 16, 2022

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

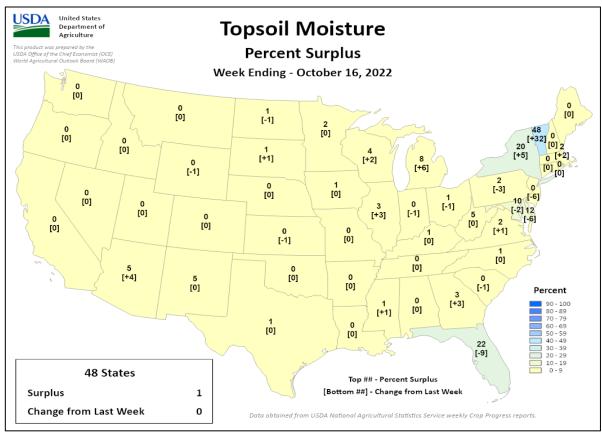
	Pasture and Range Condition by Percent Week Ending Oct 16, 2022										
	VP	Р	F	G	EX	<u>J </u>	VP	Р	F	G	EX
AL	3	21	42	34	0	NH	0	0	60	40	0
ΑZ	4	4	45	25	22	NJ	0	15	33	52	0
AR	34	29	27	10	0	NM	3	24	38	25	10
CA	25	20	35	20	0	NY	4	9	26	54	7
СО	13	24	29	30	4	NC	1	4	28	65	2
СТ	0	0	100	0	0	ND	5	23	44	27	1
DE	2	38	43	11	6	ОН	2	6	30	59	3
FL	4	15	26	35	20	ок	40	38	20	2	0
GA	5	18	42	32	3	OR	28	24	37	10	1
ID	10	28	29	33	0	PA	2	5	25	59	9
IL	17	18	36	27	2	RI	0	0	64	36	0
IN	9	23	43	23	2	sc	5	18	33	41	3
IA	13	24	34	26	3	SD	30	33	26	11	0
KS	47	29	18	6	0	TN	8	23	40	28	1
KY	15	33	35	14	3	TX	31	27	29	10	3
LA	11	20	26	32	11	UT	7	30	30	31	2
ME	0	0	0	100	0	VT	1	2	3	93	1
MD	4	12	32	46	6	VA	4	8	44	40	4
MA	0	0	65	35	0	WA	3	43	31	21	2
MI	3	17	37	37	6	wv	0	8	23	62	7
MN	6	15	30	40	9	WI	2	11	30	43	14
MS	6	21	36	35	2	WY	17	24	30	28	1
МО	25	39	24	12	0	48 Sts	23	25	29	19	4
MT	27	15	30	28	0						
NE	52	31	14	3	0	Prev Wk	22	24	31	19	4
NV	25	25	35	15	0	Prev Yr	22	23	30	20	5

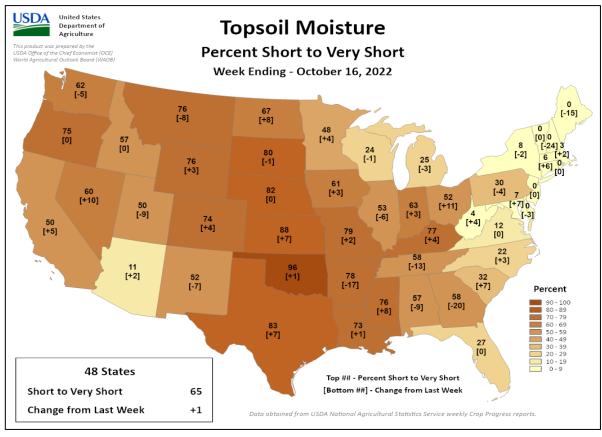
VP - Very Poor; P - Poor; F - Fair; G - Good; EX - Excellent

> NA - Not Available * Revised

Week Ending October 16, 2022

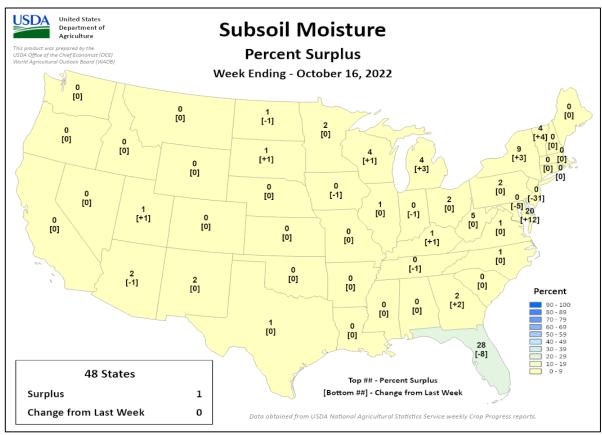
Weekly U.S. Progress and Condition Data provided by USDA/NASS

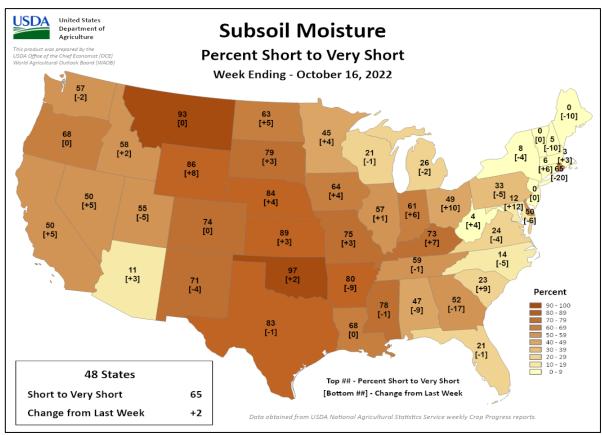




Week Ending October 16, 2022

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





October 13 ENSO Diagnostic Discussion

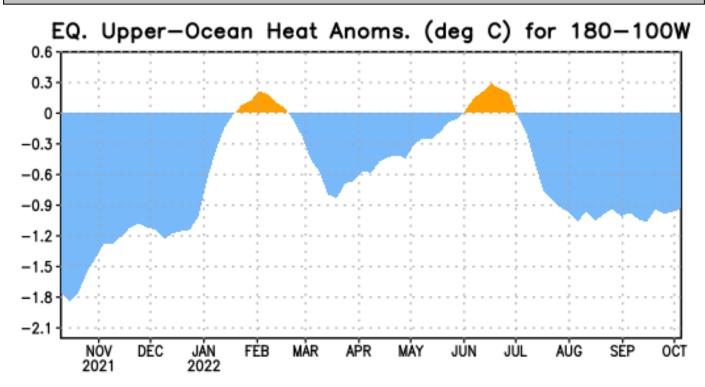


Figure 1: Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

ENSO Alert System Status: La Niña Advisory

<u>Synopsis:</u> There is a 75% chance of La Niña during the Northern Hemisphere winter (December-February) 2022-23, with a 54% chance for ENSO-neutral in February-April 2023.

Below-average sea surface temperatures (SSTs) continued across the central and eastern equatorial Pacific Ocean during September. Most of the Niño indices decreased during the past month, with the latest weekly index values spanning -0.8°C to -1.6°C. For the last couple of months, negative subsurface temperature anomalies remained mostly unchanged (Fig. 1), reflecting the persistence of below-average temperatures across the eastern Pacific Ocean. Low-level easterly wind anomalies and upper-level westerly wind anomalies prevailed across most of the equatorial Pacific. Convection was suppressed over the western and central tropical Pacific and was enhanced over Indonesia. Overall, the coupled ocean-atmosphere system continued to reflect La Niña.

The most recent IRI plume forecast of the Niño-3.4 SST index indicates La Niña will persist into the Northern Hemisphere winter 2022-23, and then transition to ENSO-neutral in January-March 2023. The forecaster consensus for this month favors a slightly later transition to ENSO-neutral, during February-April 2023, which is

consistent with the latest North American Multi-Model Ensemble (NMME). However, predicting the timing of transitions is challenging, and there continues to be uncertainty over how long La Niña may last. In summary, there is a 75% chance of La Niña during the Northern Hemisphere winter (December-February) 2022-23, with a 54% chance for ENSO-neutral in February-April 2023.

This discussion is a consolidated effort of the National Oceanic and Atmospheric Administration (NOAA), NOAA's National Weather Service, and their funded institutions. Oceanic and atmospheric conditions are updated weekly on the Climate Prediction Center web site (El Niño/La Niña Current Conditions and Expert Discussions). Additional perspectives and analysis are also available in an ENSO blog. A probabilistic strength forecast is available here. The next ENSO Diagnostics Discussion is scheduled for 10 November 2022. To receive an e-mail notification when the monthly ENSO Diagnostic Discussions are released, please send an e-mail message to: ncep.list.enso-update@noaa.gov.

International Weather and Crop Summary

October 9-15, 2022

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

HIGHLIGHTS

EUROPE: Widespread, locally heavy showers in western and southern portions of the continent contrasted with dry weather in eastern growing areas.

WESTERN FSU: Favorably dry weather promoted summer crop harvesting in western and central Ukraine, while rain returned to eastern Ukraine and much of western Russia.

MIDDLE EAST: Light showers in parts of Turkey moistened soils for winter grain planting and establishment, while seasonably dry weather prevailed elsewhere.

SOUTH ASIA: A slow withdrawal of the southwest monsoon allowed showers to continue in many parts of India, supporting most kharif crops.

EAST ASIA: Cool, dry weather supported fieldwork across eastern and southern China.

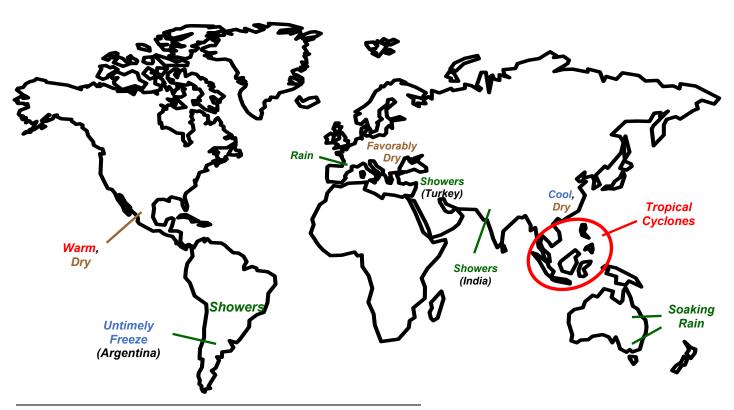
SOUTHEAST ASIA: A pair of tropical cyclones brought locally heavy showers to Vietnam and the Philippines.

AUSTRALIA: Soaking rain in the south and east kept winter crops well watered but caused local flooding and delayed fieldwork.

ARGENTINA: An untimely freeze raised concern for additional potential damage to winter grains in drought-stricken portions of central Argentina.

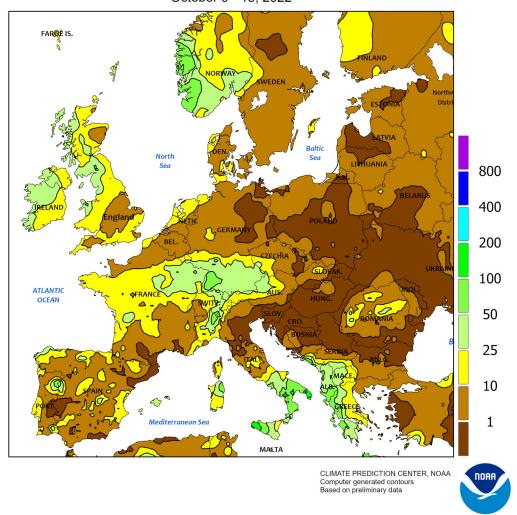
BRAZIL: Showers maintained favorable soybean prospects in southern and central Brazil.

MEXICO: Warm, sunny weather aided maturation of summer crops from the southern plateau northward.



For additional information contact: mark.brusberg@usda.gov

EUROPE
Total Precipitation(mm)
October 9 - 15, 2022

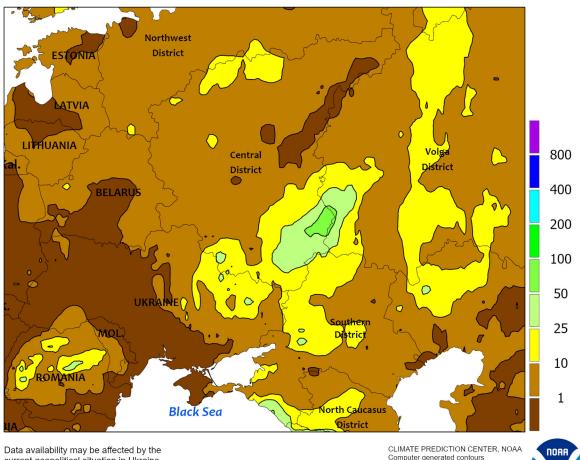


EUROPE

Showers across western and southern Europe contrasted with dry conditions in eastern portions of the continent. Rain totaled 5 to 25 mm over much of England, France, southern Germany, and northwestern Italy, though amounts were higher near the coast as well as the elevated terrain of southern and central Europe. Highly variable showers were also noted in Spain, though the country's primary growing areas remained mostly dry. While moisture conditions have improved over recent weeks in many of these western growing areas, long-term drought impacts — such as

unusually low reservoir levels and reduced river flows—lingered. Heavy showers (25-130 m) were reported over southern and western Greece, slowing or halting late cotton harvesting and raising quality concerns where rain was heaviest. Conversely, mostly dry weather across the rest of eastern Europe facilitated winter crop establishment after a wet September. Temperatures generally averaged near to above normal, with the greatest anomalies (2-4°C above normal) noted from Spain and southwestern France into the northern Balkans.

WESTERN FSU Total Precipitation(mm) October 9 - 15, 2022



current geopolitical situation in Ukraine

Computer generated contours Based on preliminary data

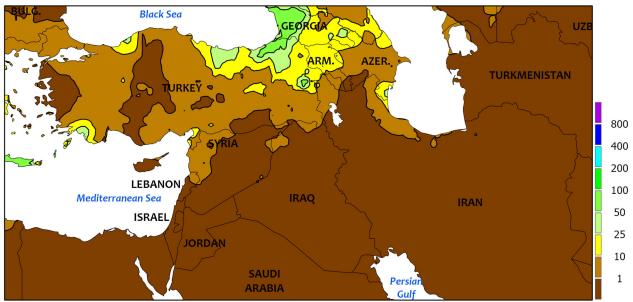


WESTERN FSU

Sunny skies facilitated summer crop harvesting in the west, while rain returned to central and eastern growing areas. Following a very wet September and early October, sunny skies across Moldova, Belarus, as well as central and western Ukraine allowed summer crop harvesting and other seasonal fieldwork to gain momentum. Conversely, a slow-moving storm system triggered widespread moderate to heavy showers (10-45 mm) from eastern Ukraine into Russia, slowing late summer crop harvesting but boosting moisture supplies for winter wheat establishment. Temperatures during the week averaged near normal, allowing winter grains and oilseeds to add vegetative growth prior to the onset of dormancy in late October or early November.

The WWCB focuses entirely on weather and resultant crop conditions; conflict and unrest are beyond the scope of this publication.

MIDDLE EAST Total Precipitation(mm) October 9 - 15, 2022



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

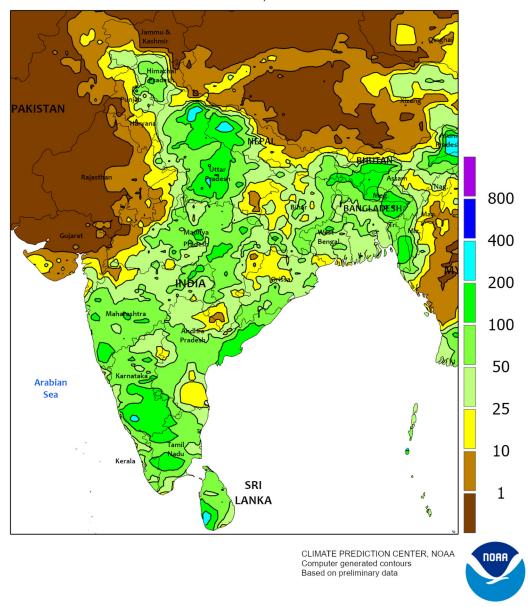


MIDDLE EAST

Scattered very light showers in Turkey contrasted with seasonably dry weather elsewhere. In Turkey, most of the country's primary growing areas reported 1 to 5 mm of rain for the week, though some locales were completely dry. The showers moistened soils where they were heaviest, but fieldwork was able to proceed without significant delay. Nevertheless, 5 to 40 mm of rain in

the Armenian Highlands of eastern Turkey boosted irrigation reserves, while locally heavy showers lingered near the Black Sea Coast. Otherwise, seasonably sunny skies prevailed across the rest of the Middle East; agricultural activity remained in a lull before the onset of winter grain sowing in late October and November, coincident with the arrival of cool-season rains.

SOUTH ASIA Total Precipitation(mm) October 9 - 15, 2022

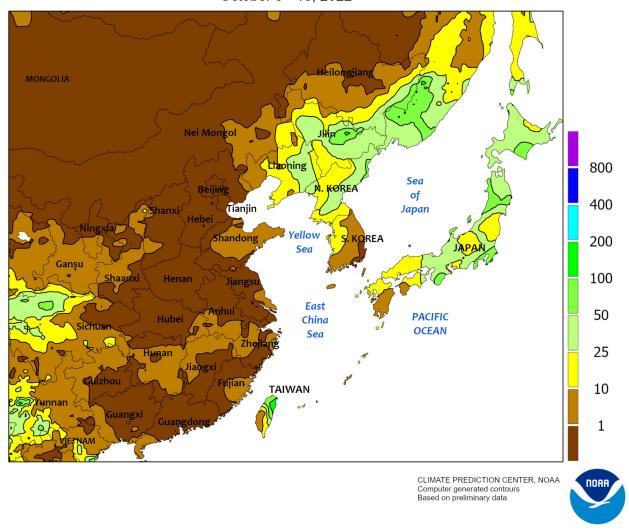


SOUTH ASIA

A slower-than-normal withdrawal of the southwest monsoon allowed showers to continue in many parts of India. Although most of the northwest was dry (including Pakistan), many other areas recorded 25 to 100 mm (or more) of rain. While the moisture benefited

immature kharif crops in India, it was unwelcome for mature cotton and rice in the north. Nonetheless, drier weather began moving into northern growing areas by week's end. Typically, the southwest monsoon has fully withdrawn from the region by mid-October.

EASTERN ASIA Total Precipitation(mm) October 9 - 15, 2022

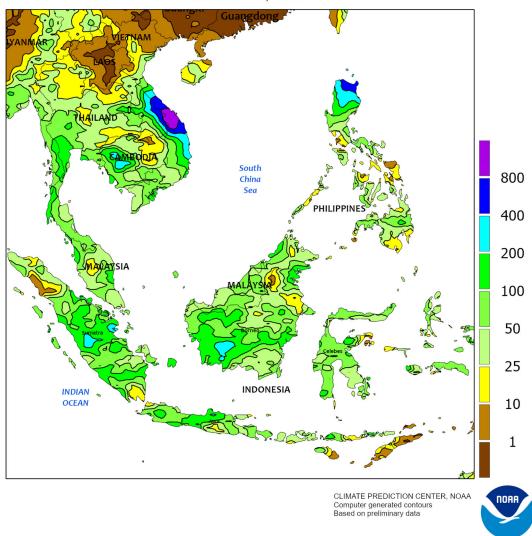


EASTERN ASIA

Mostly dry weather prevailed across China, supporting summer crop harvesting as well as winter wheat and rapeseed sowing in the east and south. One notable exception was lingering showers (10-50 mm) in portions of the northeast where usually wet autumn weather has occurred thus far; the wetness extended onto the Korean Peninsula and into Japan

as well. Meanwhile, below-average temperatures (as much as 4°C below average) prevailed in most locales, with freezing temperatures extending into northern- and westernmost sections of the North China Plain. While not detrimental to harvest activities, the cooler-than-normal weather slowed emergence of any early planted winter crops.

SOUTHEAST ASIA Total Precipitation(mm) October 9 - 15, 2022

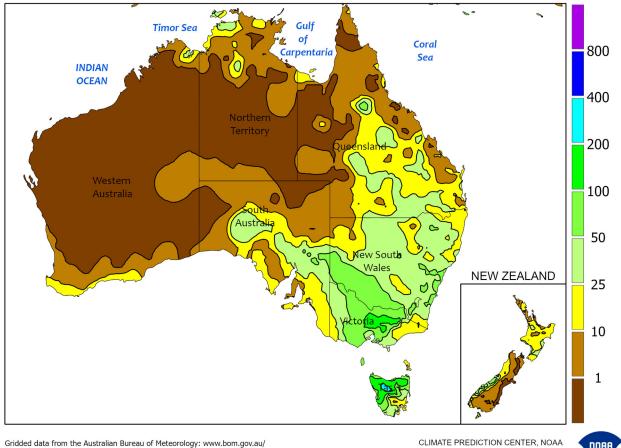


SOUTHEAST ASIA

A pair of tropical cyclones moved through the area bringing downpours and localized flooding. The first tropical cyclone (Sonca, 35 kt maximum sustained winds) moved into central Vietnam toward the end of the week producing over 500 mm of rain, while Typhoon Nesat (45 kt maximum sustained winds) neared the northern Philippines by week's end with heavy showers (over 150 mm) already being reported. Rainfall from both storms generally avoided major rice areas but likely

affected other minor crop-producing locales. Meanwhile, drier weather occurred in portions of northern Thailand and the surrounding sections of Indochina, benefiting ripening rice. Farther south, heavy showers (25-100 mm) slowed oil palm harvesting in Malaysia and nearby reaches of Indonesia but encouraged seasonal rice sowing and establishment. In fact, the rainy season across Java (Indonesia), a major rice producer, began nearly a month earlier than normal and is the earliest start since 2016.

AUSTRALIA
Total Precipitation(mm)
October 9 - 15, 2022



Gridded data from the Australian Bureau of Meteorology: www.bom.gov.au/ Creative Commons License found at: https://creativecommons.org/licenses/by/3.0/au/legalcode CLIMATE PREDICTION CENTER, NOAA Computer generated contours Based on preliminary data

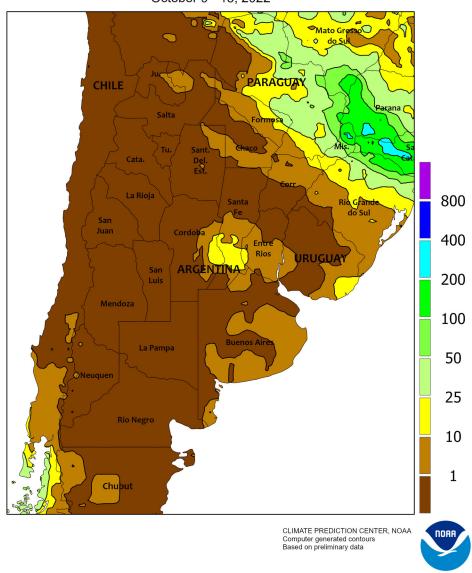


AUSTRALIA

Moderate to heavy rain (25-50 mm or more) fell across a large portion of southern and eastern Australia, keeping immature winter grains and oilseeds well watered but hampering drydown and harvesting of the earliest maturing varieties. The rain increased the risk of disease and raised concerns about crop quality as well while also causing local flooding and slowing summer crop planting. In contrast, aside from

showers (5-15 mm) along the south coast, dry weather covered the Western Australia wheat belt. The sunny, mild weather benefited immature wheat, barley, and canola, while the showers in the south aided later-maturing crops. Temperatures averaged below normal (2-4°C below normal) throughout Australia's wheat belt, with maximum temperatures in the upper 10s to middle 20s (degrees C) in most areas.

ARGENTINA
Total Precipitation(mm)
October 9 - 15, 2022

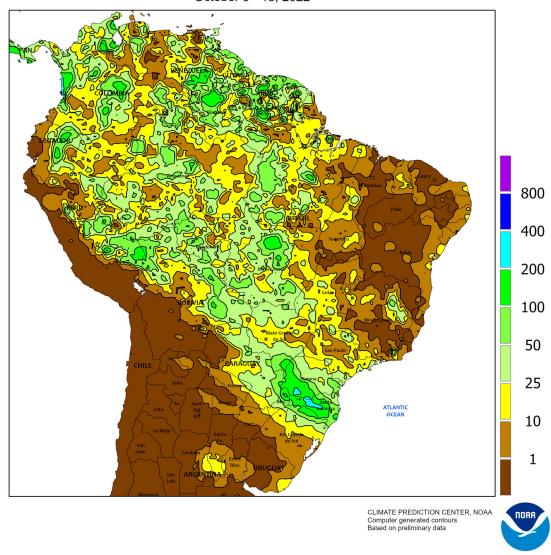


ARGENTINA

Unseasonably cold weather dominated the country, slowing winter grain growth and possibly damaging reproductive crops in southern farming areas. Weekly average temperatures ranged from 1 to 2°C below normal to as much as 6°C below normal in and around southern Paraguay. Nighttime lows dropped below freezing as far north as central Santa Fe. Most farming areas were dry, though pockets of moderate rain

(greater than 10 mm) were scattered throughout the region. According to the government of Argentina, sunflowers and corn were 26 and 16 percent planted, respectively, as of October 13. Corn was just 6 percent planted in Buenos Aires, compared with 31 percent last year, due to the dry conditions. Visible damage was noted in several delegations from last week's freeze, but no quantitative estimates were provided.

BRAZIL
Total Precipitation(mm)
October 9 - 15, 2022

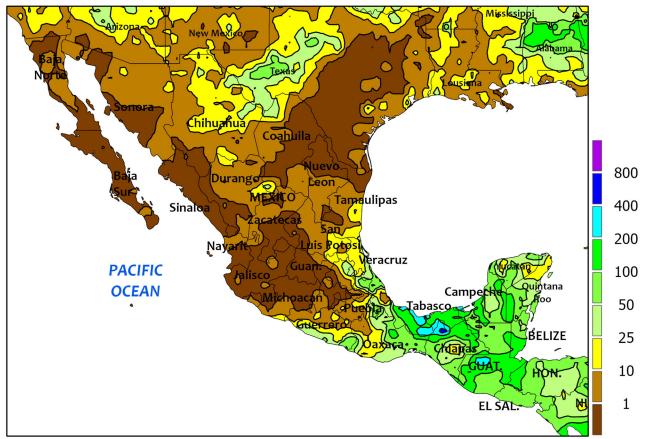


BRAZIL

Showers maintained overall favorable levels of moisture for germination of soybeans and other main-season summer crops in key production areas of central and southern Brazil. Rainfall totaled 10 to 50 mm over a large area from Rio Grande do Sul northward through Mato Grosso. Similar amounts were recorded in Goiás, São Paulo, and Minas Gerais, but rain was patchy and generally lighter than in recent weeks. Drier conditions continued, however, in the northeastern interior (in and around western Bahia); summer heat (daytime highs approaching 40°C) maintained high evaporative losses

from Mato Grosso eastward, and additional rainfall would be welcome as planting advances. According to the government of Mato Grosso, soybeans were 41 percent planted as of October 14, compared with 45 percent last year and the 5-year average of 24 percent. Seasonal fieldwork was also making good progress farther south; according to the government of Paraná, first-crop corn and soybeans were 75 and 26 percent planted, respectively, as of October 10; in addition, wheat was 50 percent harvested. In Mato Grosso do Sul, soybeans were 9 percent planted as of October 14.

MEXICO Total Precipitation(mm) October 9 - 15, 2022



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

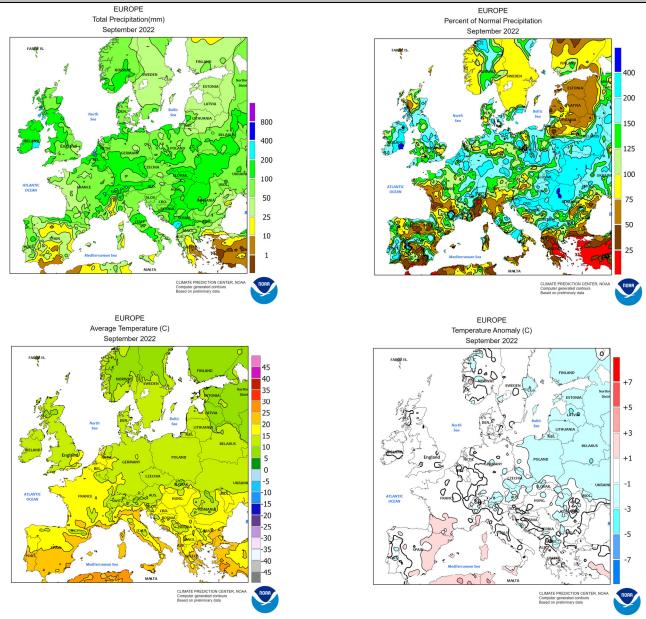


MEXICO

Following last week's wetness, warm, sunny weather aided maturation and drydown of summer crops in key rain-fed production areas. Dry weather dominated most of the region from the southern Plateau (Jalisco and Puebla) northward. Notable exceptions included northern Chihuahua and farming areas centered over southern Tamaulipas and northern Veracruz; although moisture in these locations came too late for most summer row crops, the late-season boost to local

reservoirs was welcomed. Near- to above-normal weekly average temperatures — with daytime highs reaching the upper 30s (degrees C) in far northern production areas — helped to advance crops toward maturity, in conjunction with the sunnier weather. Elsewhere, locally heavy showers (50-200 mm, locally higher) concentrated over southern Veracruz and Tabasco maintained abundant moisture reserves for winter farming as the dry season approaches.

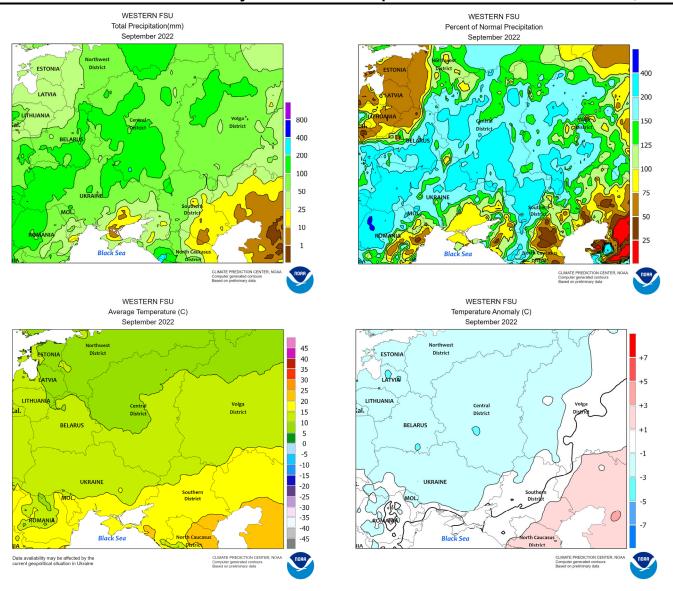
September International Temperature and Precipitation Maps



EUROPE

During September, very wet weather overspread much of the continent, with chilly conditions in the northeast and southwest contrasting with near-normal temperatures elsewhere. Rainfall totaled 50 to 200 mm over central and eastern Europe, representing 100 to locally more than 300 percent of normal. The moisture helped ease drought in Germany and erased drought concerns in the Balkans. Rain was highly variable in Spain and France, however, with pockets of excessive wetness (100-300 percent of normal) juxtaposed with little to no moisture (less than 25 percent of normal). Showers were likewise variable in southeastern England but mostly beneficial for winter wheat and rapeseed.

Italy saw unfavorable dryness exacerbate year-long drought in the north, while rains soaked the southern peninsula (240-340 percent of normal); year-to-date rainfall in the Po River Valley (325 mm) stood at 55 percent of normal as of October 15, the second driest of the past 30 years and less than 10 mm above the driest (2003). Conditions were likewise highly divergent in Greece, with wet weather in Macedonia (up to 240 percent of normal) giving way to very dry conditions in western and southern Greece. Temperatures averaged near normal over most of the continent, though chilly readings (2-4°C below normal) were noted in southwestern Spain as well as Poland and the Baltic States.

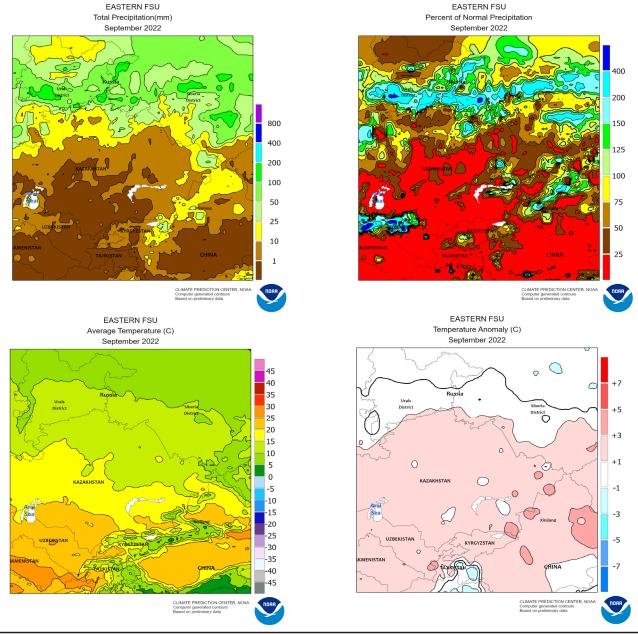


WESTERN FSU

Wet and chilly conditions overspread much of the region during September. Moderate to very heavy rainfall (65-135 mm, locally more than 300 percent of normal) fell from Belarus and western Ukraine eastward into much of western and southern Russia, slowing or halting summer crop harvesting and other seasonal fieldwork but boosting moisture supplies for winter crop establishment. However, somewhat drier conditions (70-100 percent of normal) were noted near

the Black Sea Coast, allowing fieldwork to proceed with only minor delays in these southern growing areas. Temperatures during the month averaged 2 to 4°C below normal over the northern two thirds of the region, while near-normal readings were noted in the south.

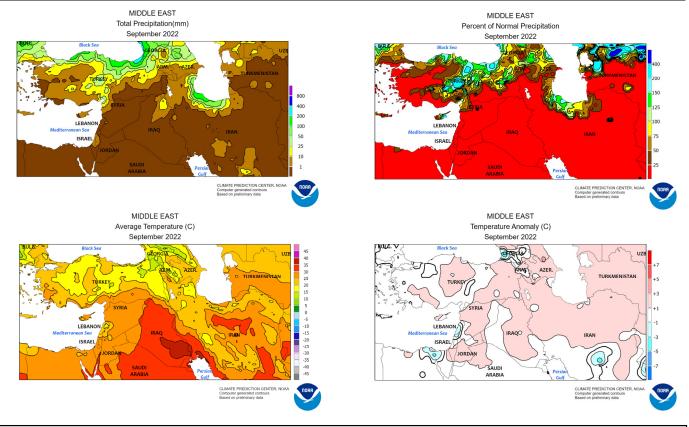
The WWCB focuses entirely on weather and resultant crop conditions; conflict and unrest are beyond the scope of this publication.



EASTERN FSU

Variable rainfall in the north gave way to a dry start to the 2022-23 Water Year in the south. Across northern Kazakhstan and central Russia, rainfall during September ranged from less than 50 percent of normal in northwestern Kazakhstan and the southwestern Siberia District in Russia to more than 100 percent of normal in northeastern Kazakhstan and adjacent portions of central Russia. The region's spring

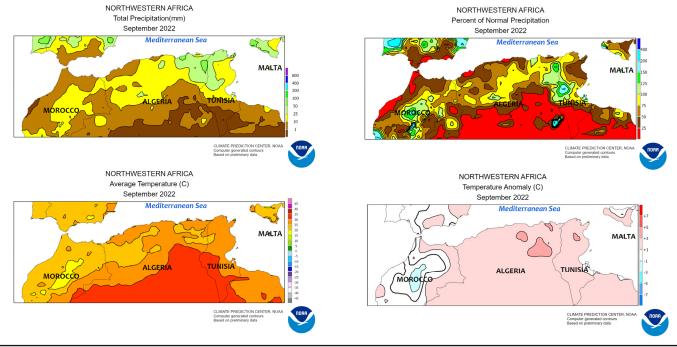
grain growing campaign has ended and agricultural activity shuts down during the autumn as the bitterly cold winter months approach. Across Uzbekistan, Turkmenistan, Tajikistan, and Kyrgyzstan, dry and very warm weather (up to 4°C above normal) signaled an inauspicious start to the water year, though most of the cold-season rain and snow falls from November through May.



MIDDLE EAST

Pockets of wet weather in Turkey juxtaposed with seasonably dry conditions elsewhere. Moderate to heavy rainfall from the southern and eastern Anatolian Plateau (locally more than 40 mm) northeastward to the climatologically wetter Black Sea Coast (90-350 mm) moistened soils for winter grain planting in the south but slowed fieldwork where rain was heaviest in the

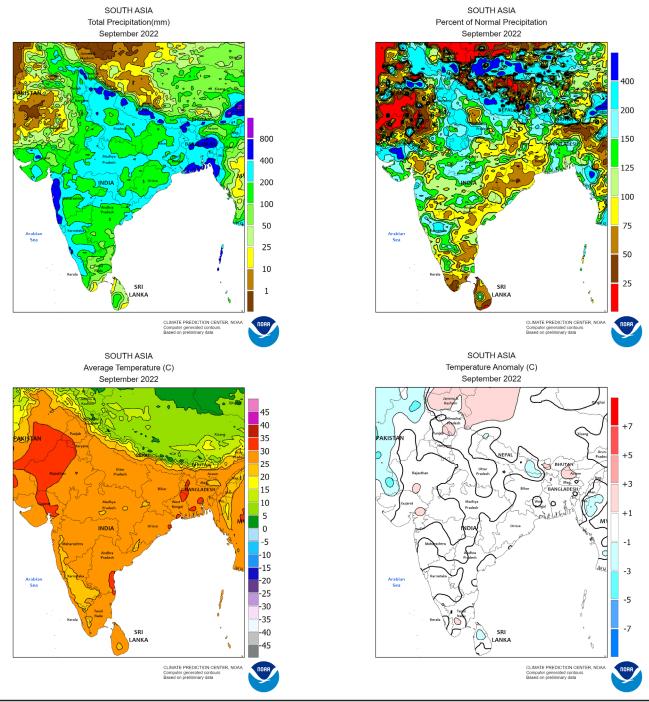
far north. However, dry weather in the Aegean and GAP Regions of Turkey favored cotton maturation and harvesting. Seasonably sunny skies prevailed elsewhere in the region, though heavy showers continued near the Persian Sea Coast in Iran. Temperatures averaged near normal in western Turkey to as much as 3°C above normal from central Turkey into Iran.



NORTHWESTERN AFRICA

During September, early-season showers in central and eastern growing areas contrasted with mostly dry weather in Morocco. Rainfall totaled 20 to 90 mm from central Algeria into western Tunisia, conditioning soils for early winter grain sowing. Conversely, dry weather prevailed across much of

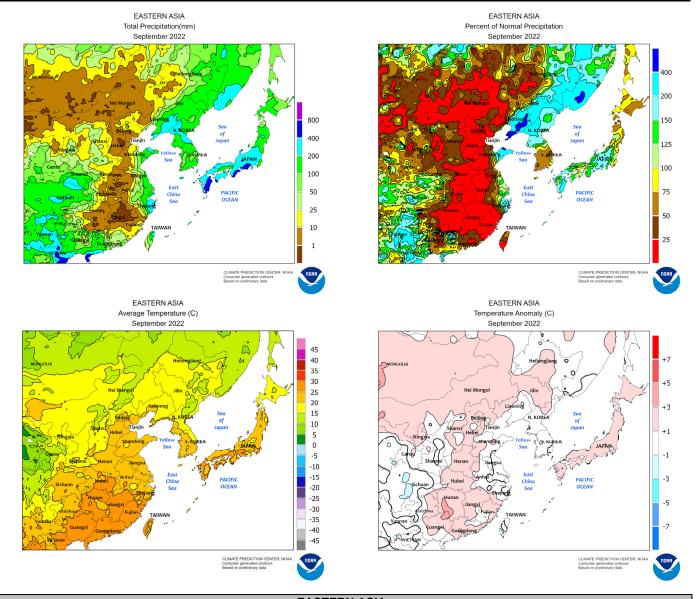
Morocco and western Algeria. Water-year rainfall typically starts during September in Tunisia and eastern Algeria, and then spreads west across central Algeria in October before arriving in Morocco by early November. Winter grains are primarily sown during November and December.



SOUTH ASIA

Monsoon showers continued across the region during the first half of September, but by the latter half of the month the monsoon had begun to withdraw from northwestern sections. The drier weather beginning around mid-month was particularly welcome in southern Pakistan after historic rainfall and flooding in July and August, and along with seasonable warmth (mid-30s degrees C)

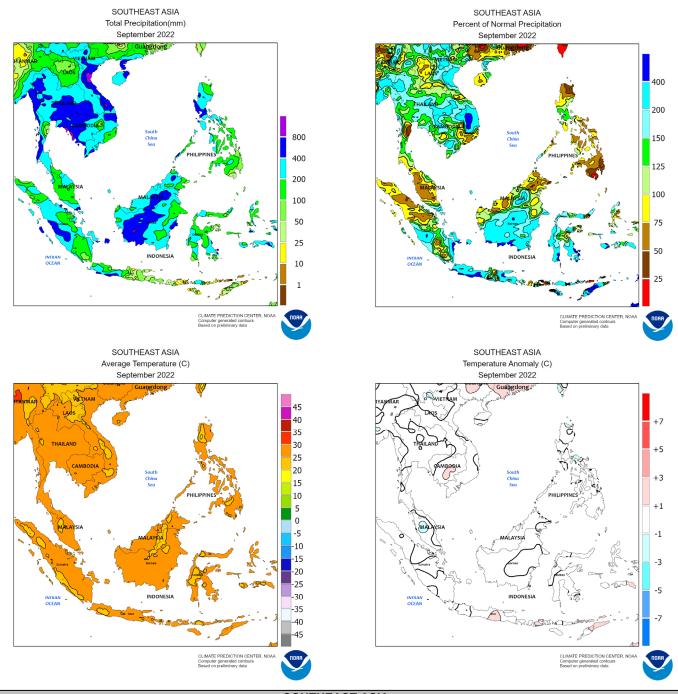
allowed flood waters to begin receding. Meanwhile, above-average showers (over 200 percent of normal in some locales) continued across much of India. The wet weather was generally favorable for kharif crops but was ill-timed for maturing cotton and rice in the north. The southwest monsoon typically departs the region by mid-October, ushering in drier weather to most areas.



EASTERN ASIA

During September, drier-than-normal weather prevailed across most crop areas of eastern and southern China, facilitating maturation and harvesting (by month's end) of summer grains and oilseeds. However, the dryness along with temperatures near 40°C exacerbated drought conditions for late-crop rice in the southeast. In contrast, consistent showers (over 100 mm, more than 100 percent of normal) in the upper Yangtze Valley all but eradicated late summer drought. Additionally,

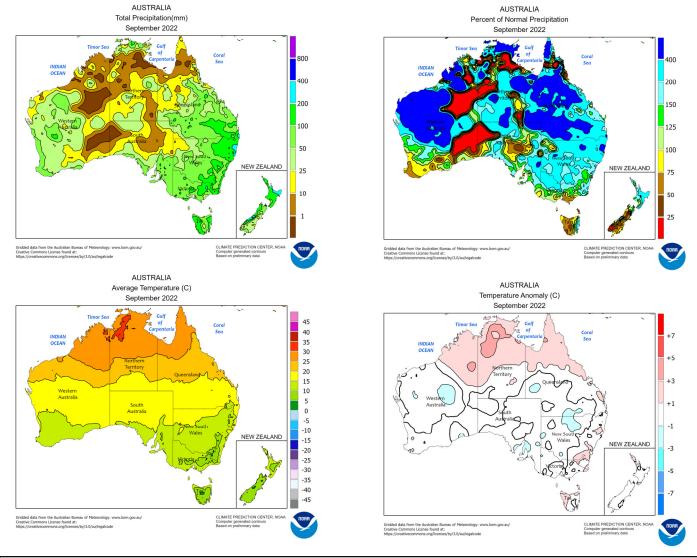
rainfall in the northeast surpassed 200 percent of normal and was associated with a pair of typhoons moving through the area in the first half of the month. The wet weather generally benefited immature crops, but a localized freeze toward the end of the month ended the growing season for some corn and soybean growers, possibly lowering yield potential. Elsewhere, seasonably dry, warmer-than-normal weather in western China (Xinjiang) supported cotton harvesting.



SOUTHEAST ASIA

Much of Thailand and the surrounding areas of Indochina recorded above-average rainfall in September. Showery weather (over 150 mm, more than 125 percent of normal) supported reproductive seasonal rice (vegetative winter paddy in northern Vietnam). In contrast, much of the Philippines reported below-average rainfall (25-75 percent of normal) despite similar totals and the passage of Super Typhoon Noru late in the month; Noru caused localized damage to rice and other crops in the northern Philippines. Nevertheless, moisture conditions over the

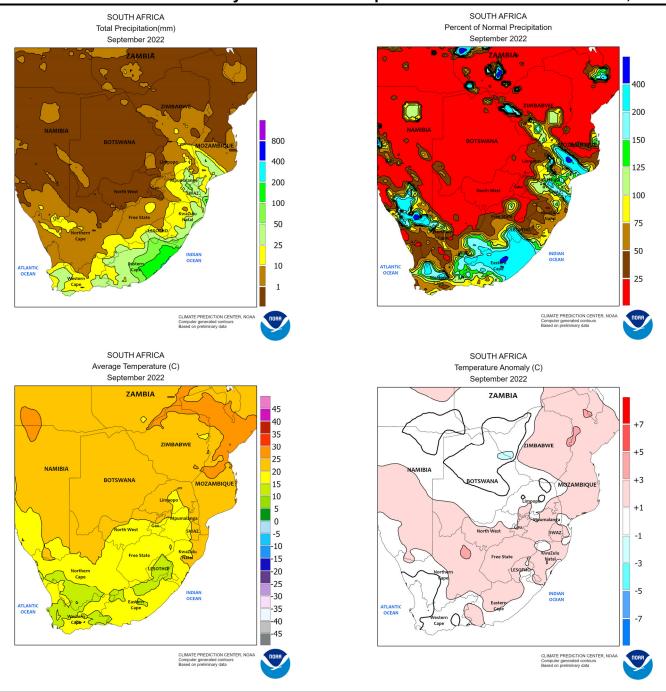
last 90 days remained adequate for crops. Elsewhere, drier-than-normal weather in Malaysia and neighboring sections of Indonesia benefited maturing oil palm fruit bunches and promoted harvesting during the peak harvest period (September-October). Meanwhile in southern Indonesia (Java), the rainy season was off to an earlier-than-usual start (one month earlier than normal), as unseasonably heavy showers (over 150 mm, more than 200 percent of normal) prevailed in western Java. The early start encouraged rice sowing to begin in earnest.



AUSTRALIA

During September, widespread rain and relatively mild weather benefited reproductive winter grains and oilseeds. The heaviest rain fell across southern and eastern portions of the wheat belt, causing local flooding and delaying early summer crop planting. Although the rainfall was locally excessive (locally more than 300 percent of normal) it was overall beneficial nonetheless, promoting winter crop development. Elsewhere in the wheat belt, after a wet start to September, drier weather overspread Western Australia

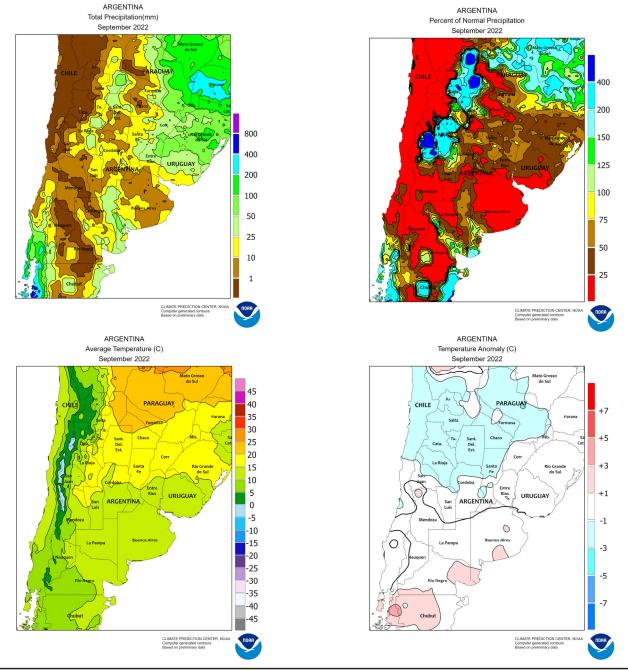
by month's end. The gradual drying trend created near ideal conditions for wheat, barley, and canola development, helping to sustain good to excellent crop conditions and yield prospects. Temperatures were generally seasonable in the west and averaged somewhat below normal (up to 1°C below normal) in the south and east. During September, daily maximum temperatures were routinely in the 20s (degrees C) while extreme minimum temperatures remained above freezing in all but a few isolated locations.



SOUTH AFRICA

During September, showers sweeping along the southern coast supplied additional moisture to immature wintergrown crops while providing an early boost to summer crops. The heaviest monthly rainfall (50-100 mm, locally exceeding 150 mm) was concentrated over non-commercial agricultural areas in Eastern Cape and watersheds feeding the Orange River. Lighter amounts

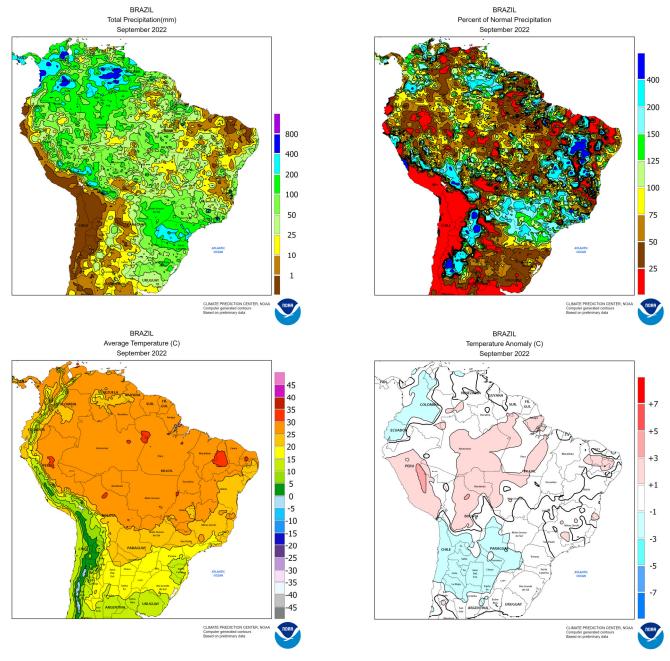
(10-25 mm) benefited immature wheat in Western Cape and early sugarcane growth in KwaZulu-Natal; similar amounts helped to condition fields for corn planting in Mpumalanga, while seasonably drier conditions prevailed elsewhere in the interior. Monthly average temperatures were near to above normal across the country, with lingering freezes in traditionally cooler interior locations.



ARGENTINA

Mid-September showers brought temporary relief from dryness to key farming areas in central and northeastern Argentina before a rapid return to unseasonably drier conditions. Monthly accumulations totaled as much as 25 to 50 mm in the aforementioned locations, although pockets of dryness (less than 10 mm) persisted in southern Cordoba and large sections of Buenos Aires. Freezes became less frequent

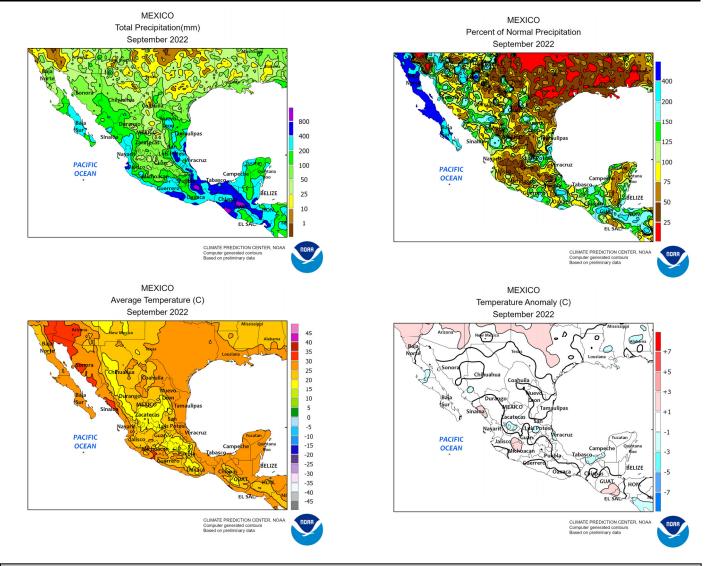
during the latter half of September in southern farming areas, spurring a more rapid pace of growth and increasing moisture demands of winter grains nearing reproduction. In northwestern Argentina (Salta and environs), a late-month surge in rainfall benefited immature winter grains, although some wheat had already reached maturity due to climatologically warmer conditions in the preceding weeks.



BRAZIL

September rainfall provided timely moisture for germination of main-season summer row crops. Included in the areas receiving sufficient moisture for planting activities were farming areas in southern Mato Grosso, where the moisture encouraged the start of soybean planting. The arrival of rainier weather also helped to lower temperatures, although daytime highs occasionally reached the upper 30s (degrees C) on drier days during the latter half of the month. Meanwhile, beneficial rain also

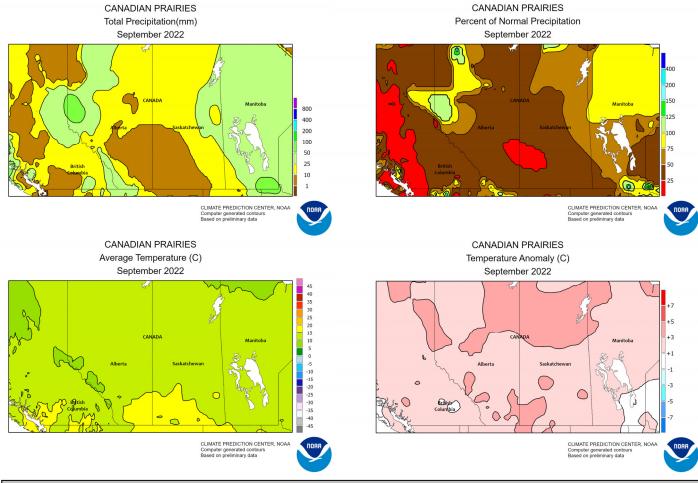
maintained favorable prospects for first-crop corn, sugarcane, and coffee from Mato Grosso do Sul and Paraná eastward through southern Minas Gerais. Monthly accumulations were below normal in Rio Grande do Sul, but moisture reserves were likely favorable for wheat development due to abundant rainfall earlier in the growing season. Elsewhere, seasonal rainfall was patchy and light in the northeastern interior as farmers awaited more consistent moisture to initiate planting.



MEXICO

In September, a resurgent monsoon and an increase in tropical activity resulted in widespread, locally heavy rainfall across the region. Monsoon showers diminished over northwestern watersheds early in the month, but scattered showers eventually returned, although intensity and coverage were commensurate with the end of the rainy season. Meanwhile, tropical storm activity – including several landfalling systems – generated heavy rain along the Pacific Coast, while channeling tropical moisture inland. As a result, immature summer crops received a needed boost in moisture;

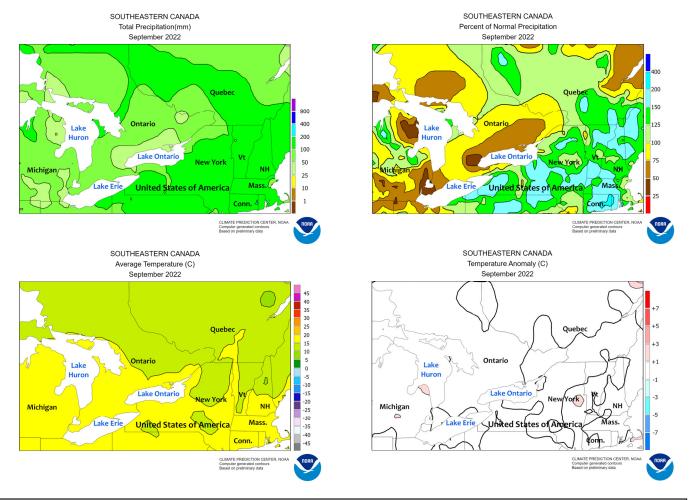
this was particularly true in previously dry northeastern production areas, including soybean and sugarcane areas in the vicinity of northern Veracruz and eastern San Luis Potosí. Additionally, winter farming areas are entering the dry season with relatively high levels of available irrigation. According to the government of Mexico, reservoirs were at 69 percent capacity as of September 30, an increase of 16 points over the previous month; reservoir levels in the northwest (Chihuahua, Sinaloa, and Sonora) rose 29 points since the end of August.



CANADIAN PRAIRIES

In September, warmer- and drier-than-normal weather spurred rapid drydown and harvesting of spring crops in the western Prairies. Monthly rainfall accumulations totaled below 10 mm over large sections of southern Alberta and Saskatchewan, with most other locations in those provinces recording less than 25 mm. Monthly temperatures averaging 2 to 4°C above

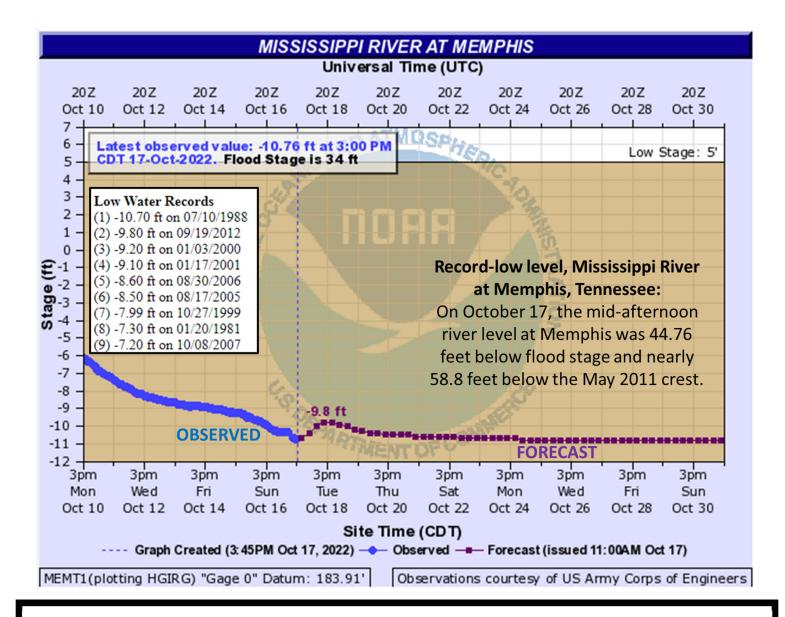
normal advanced spring grains and oilseeds toward maturity in the aforementioned areas, aided by several cold outbreaks that dropped temperatures below -2°C. Meanwhile, locally heavy showers (locally totaling more than 50 mm) caused further disruptions to fieldwork in Manitoba, which recorded a seasonending freeze during the latter half of the month.



SOUTHEASTERN CANADA

In September, showers provided timely moisture for winter wheat germination, although portions of the region remained drier than normal. Despite several periods of moderate to heavy rain (10-25 mm per event), rainfall totaled below normal over large sections of Ontario, particularly in the far southern production areas. In contrast, seasonably heavier rain maintained adequate to locally excessive levels of

moisture elsewhere in Ontario and in Quebec. Monthly temperatures averaged within 1°C of normal, with freezes generally confined to climatologically cooler outlying production areas. The mild weather and periodic rain favored emerging wheat but came too late in the growing season to significantly improve summer crop prospects in areas that had been drier-than-normal for extended periods of time.



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