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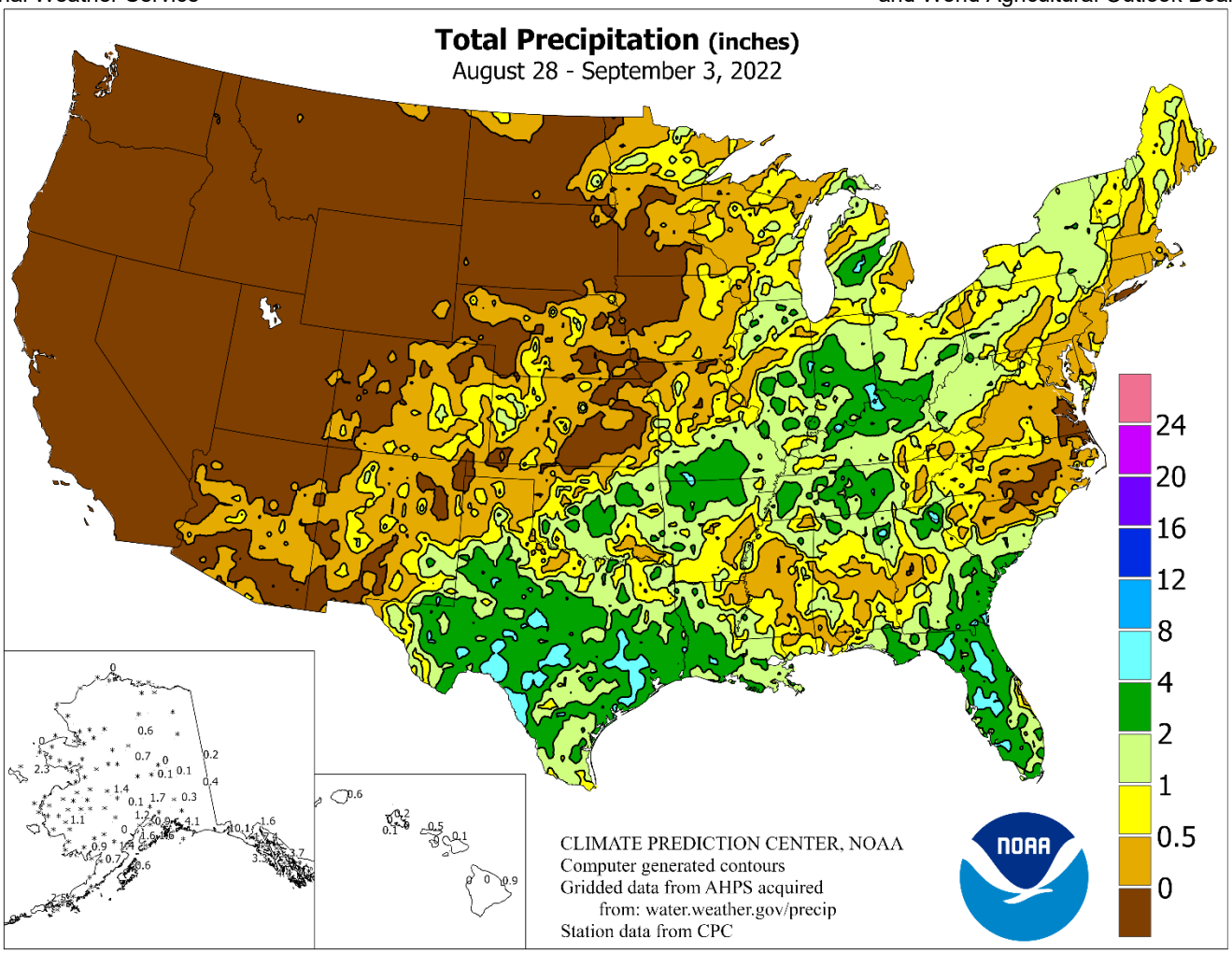
Weekly Weather and Crop Bulletin

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
August 28 – September 3, 2022

Highlights provided by USDA/WAOB

Drought-easing rain in the **south-central U.S.** arrived too late for many summer crops—but boosted topsoil in advance of autumn planting operations and helped to revive rangeland and pastures. Some of the heaviest and most widespread rain fell in parts of **Texas**. In stark contrast, little or no rain fell in late August and early September northwest of a line from the **southern Rockies into the upper Great Lakes region**. Sizzling temperatures accompanied the dry weather, abetting wildfire growth, reducing soil moisture, boosting irrigation

(Continued on page 5)

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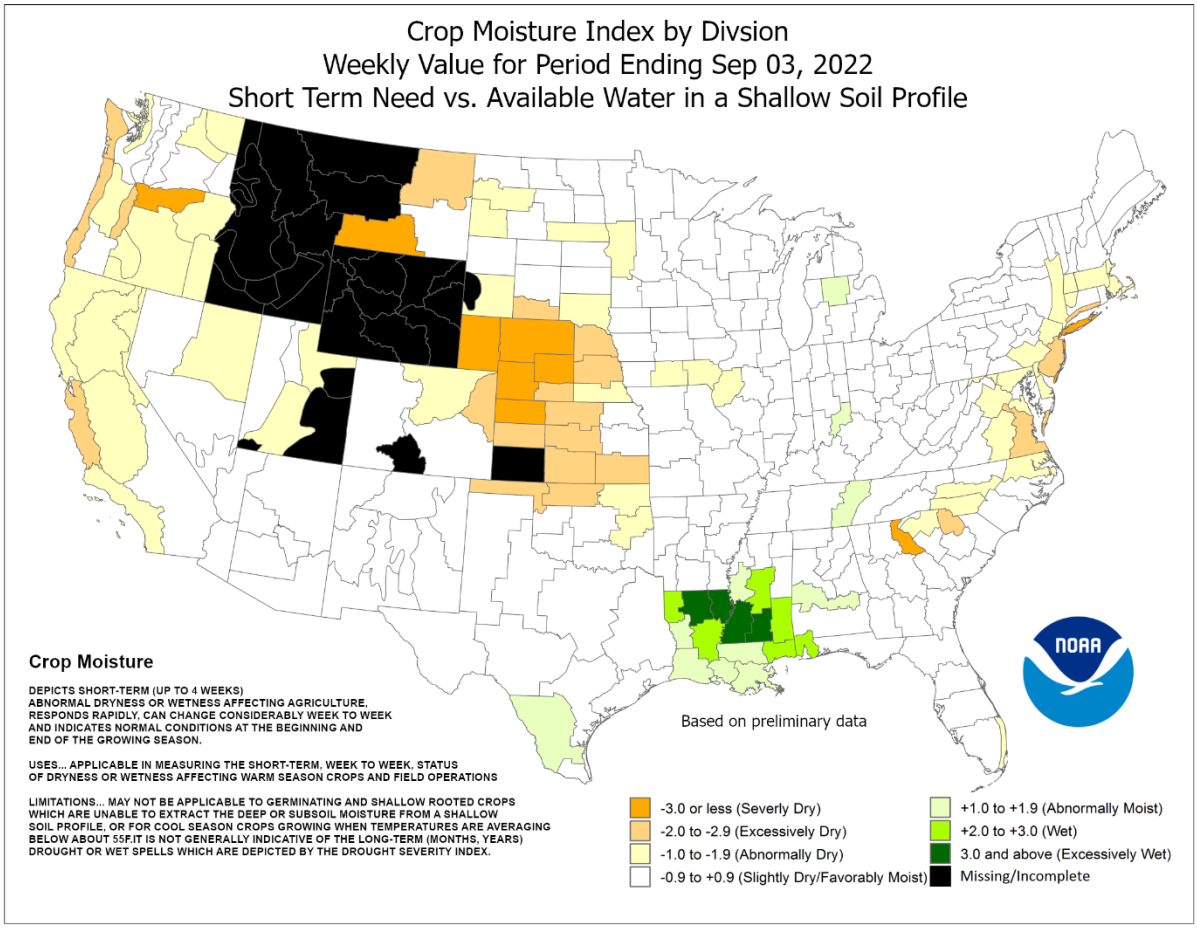
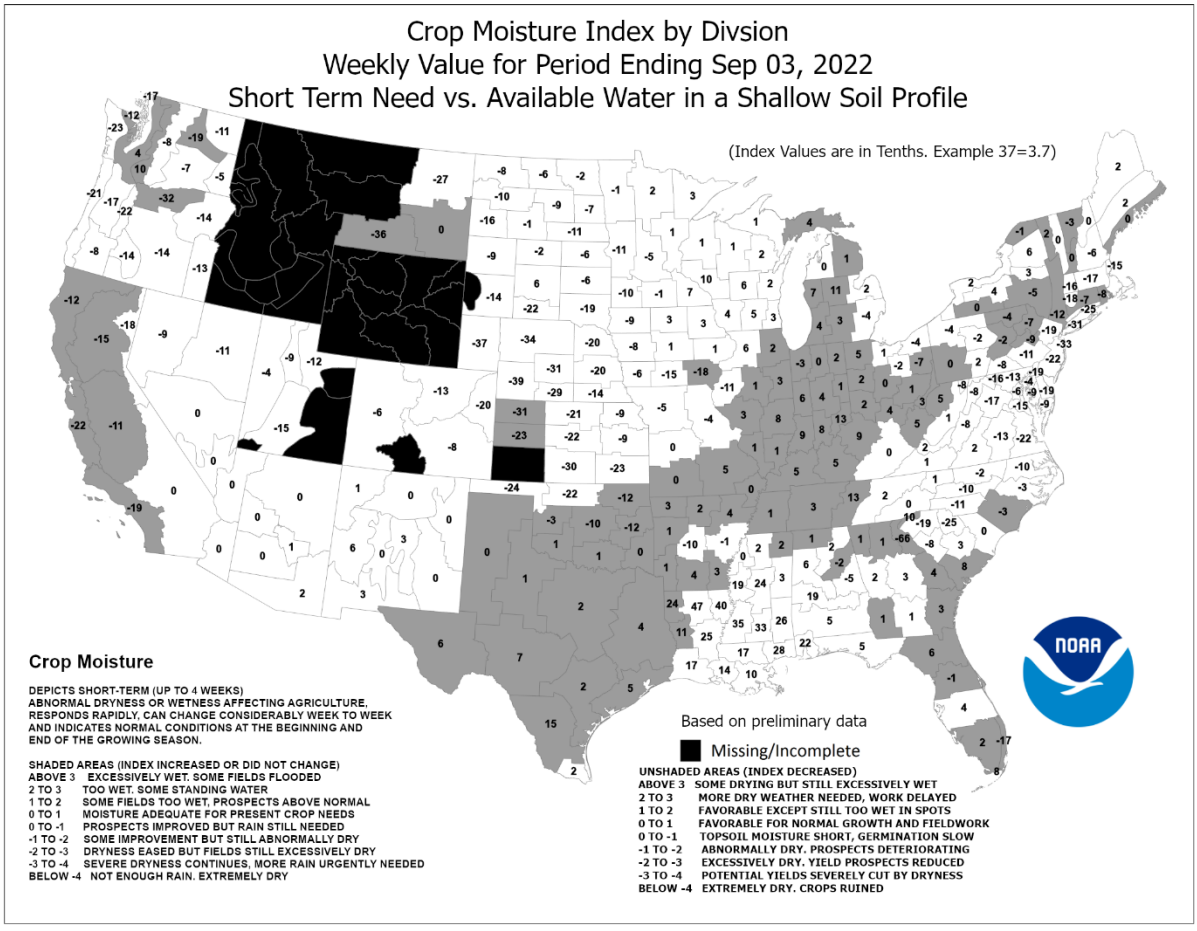
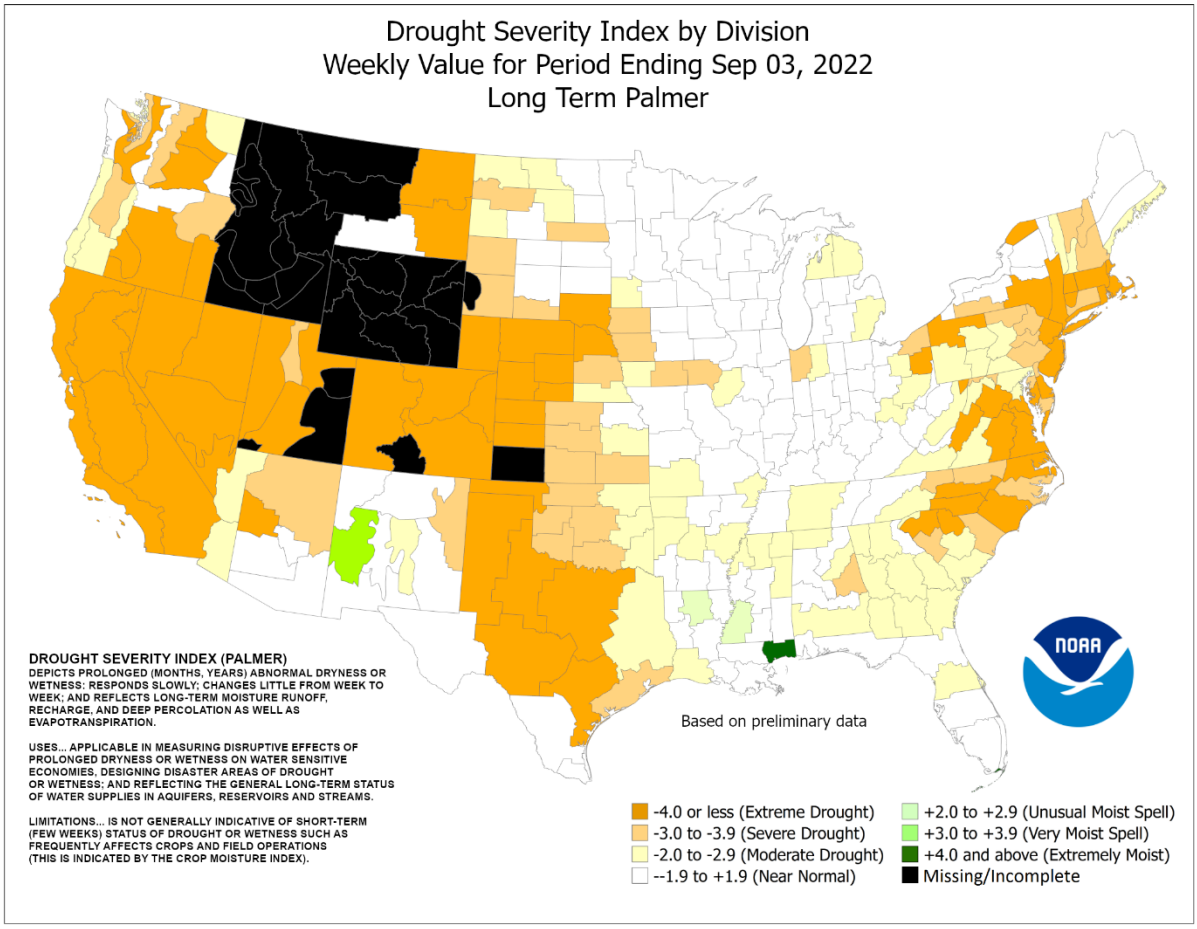
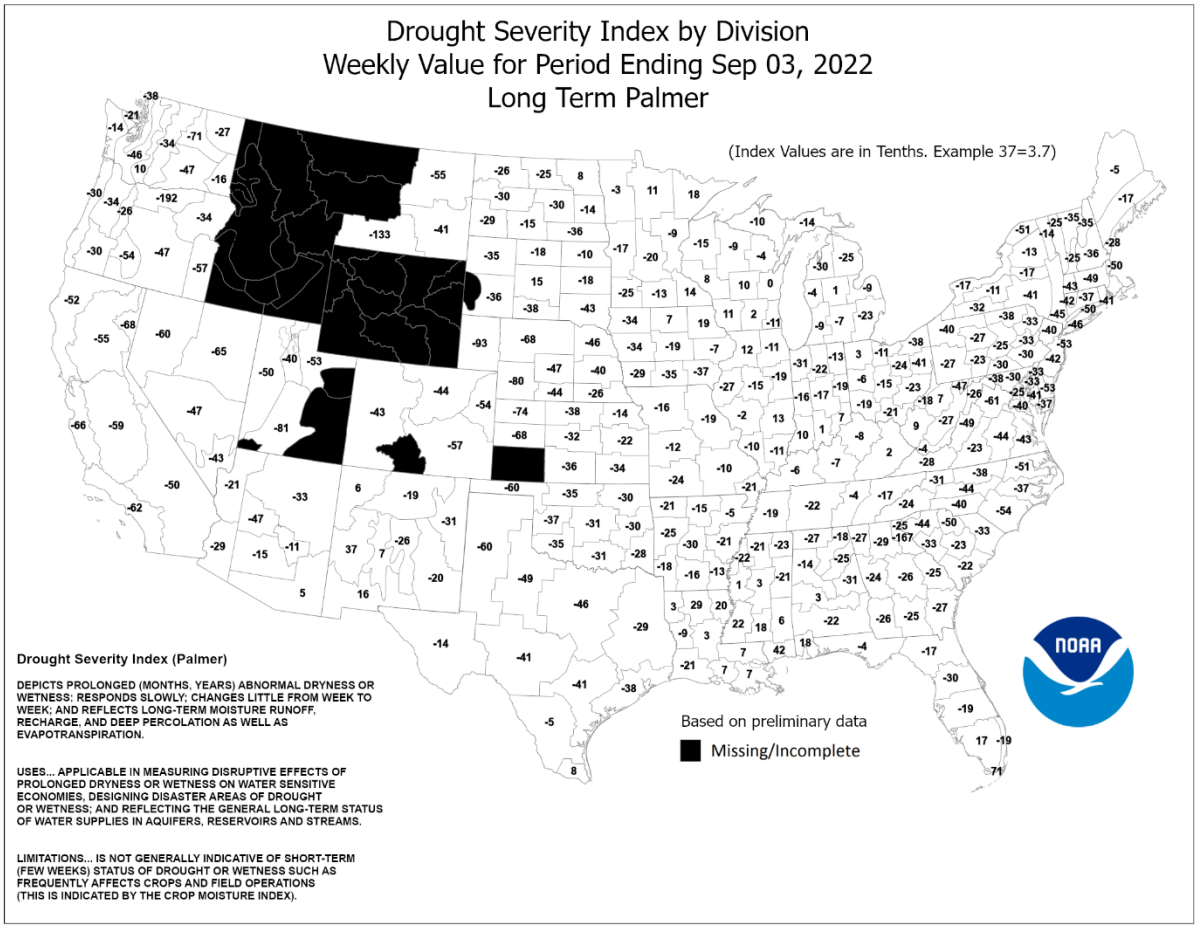

Crop Moisture Index by Divsion
Weekly Value for Period Ending Sep 03, 2022
Short Term Need vs. Available Water in a Shallow Soil Profile
Crop Moisture
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES... APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS
LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A SHALLOW SOIL PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55F.IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
Based on preliminary data
-3.0 or less (Severly Dry)
-2.0 to -2.9 (Excessively Dry)
-1.0 to -1.9 (Abnormally Dry)
-0.9 to +0.9 (Slightly Dry/Favorably Moist)
+1.0 to +1.9 (Abnormally Moist)
+2.0 to +3.0 (Wet)
3.0 and above (Excessively Wet)
Missing/Incomplete
NOAA


Crop Moisture Index by Divsion
Weekly Value for Period Ending Sep 03, 2022
Short Term Need vs. Available Water in a Shallow Soil Profile
(Index Values are in Tenths. Example 37=3.7)
Crop Moisture
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
SHADED AREAS (INDEX INCREASED OR DID NOT CHANGE)
ABOVE 3 EXCESSIVELY WET. SOME FIELDS FLOODED
2 TO 3 TOO WET. SOME STANDING WATER
1 TO 2 SOME FIELDS TOO WET, PROSPECTS ABOVE NORMAL
0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4 SEVERE DRYNESS CONTINUES, MORE RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN. EXTREMELY DRY
Based on preliminary data
Missing/Incomplete
UNSHADED AREAS (INDEX DECREASED)
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY. PROSPECTS DETERIORATING
-2 TO -3 EXCESSIVELY DRY. YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4 EXTREMELY DRY. CROPS RUINED
NOAA


Drought Severity Index by Division
Weekly Value for Period Ending Sep 03, 2022
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS: RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG-TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION AS WELL AS EVAPOTRANSPIRATION.
USES... APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES, DESIGNING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL LONG-TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS AND STREAMS.
LIMITATIONS... IS NOT GENERALLY INDICATIVE OF SHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
--1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)
Missing/Incomplete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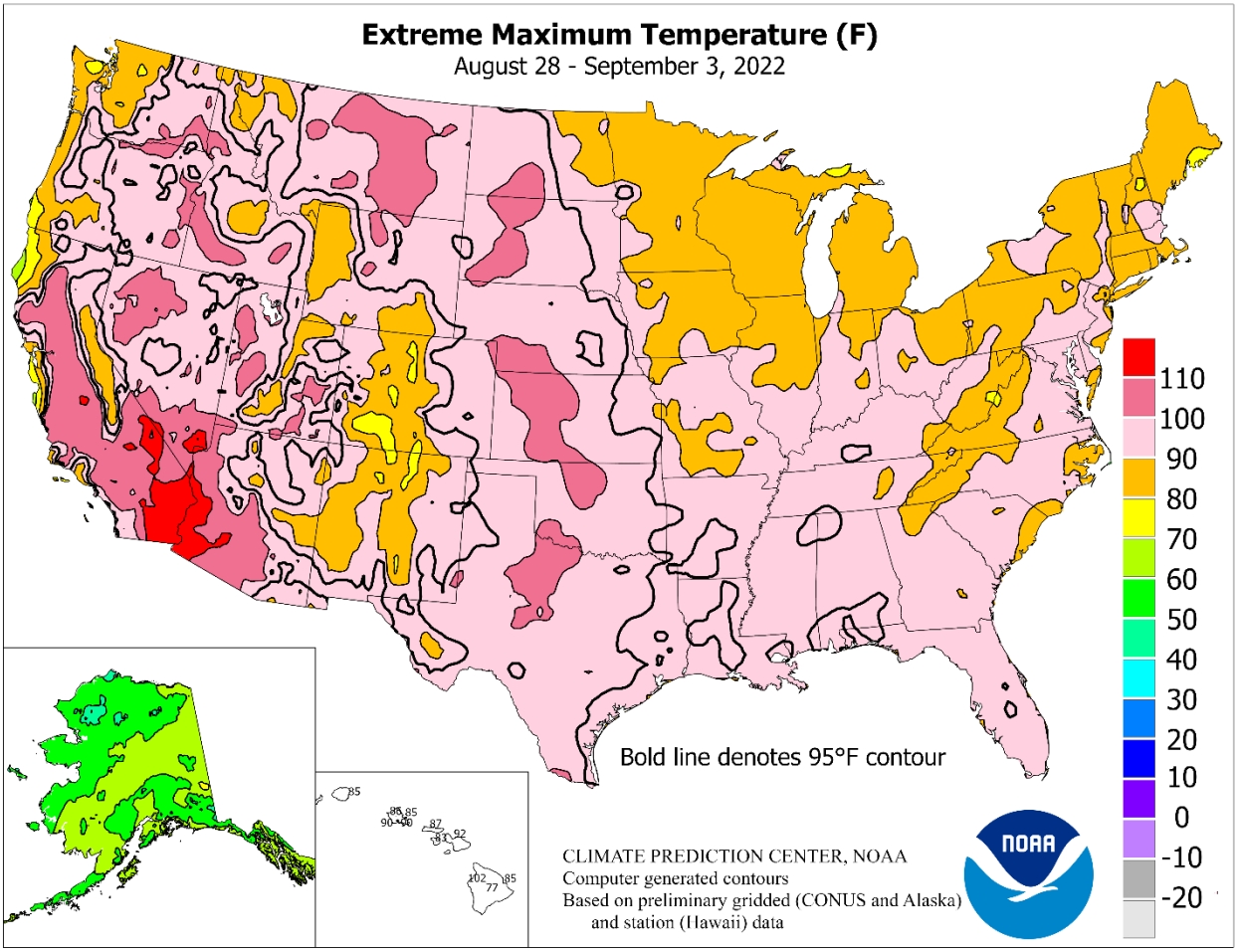
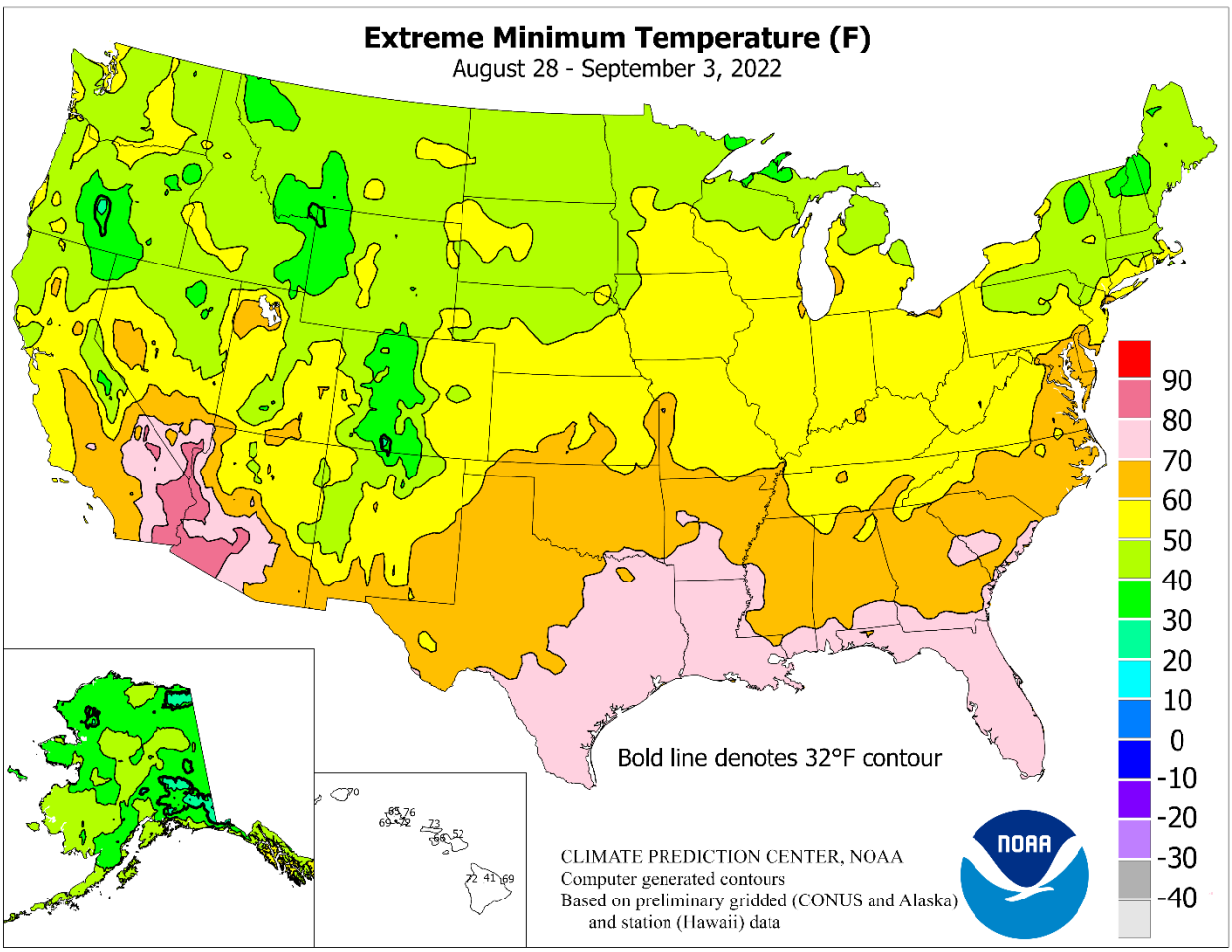
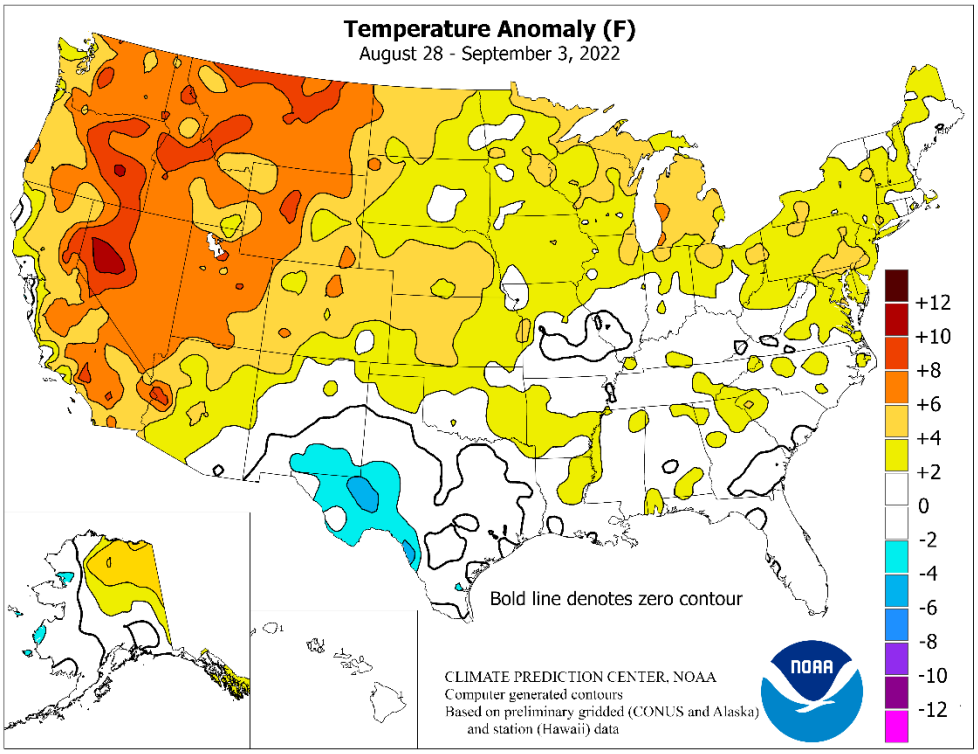
Based on preliminary data
Missing/Incomplete


Extreme Maximum Temperature (F)
August 28 - September 3, 2022
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data
NOAA


Extreme Minimum Temperature (F)
August 28 - September 3, 2022
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data
NOAA

(Continued from front cover)

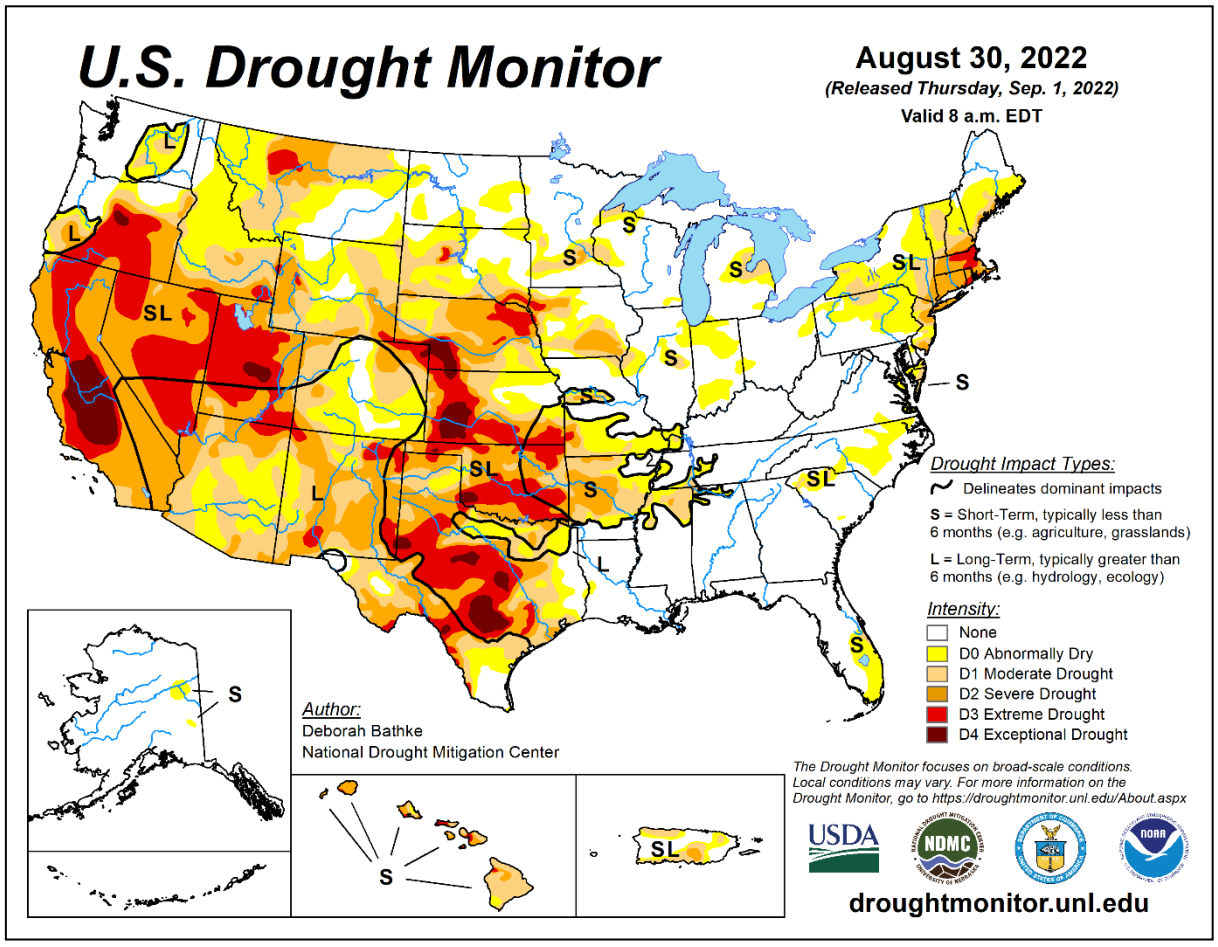


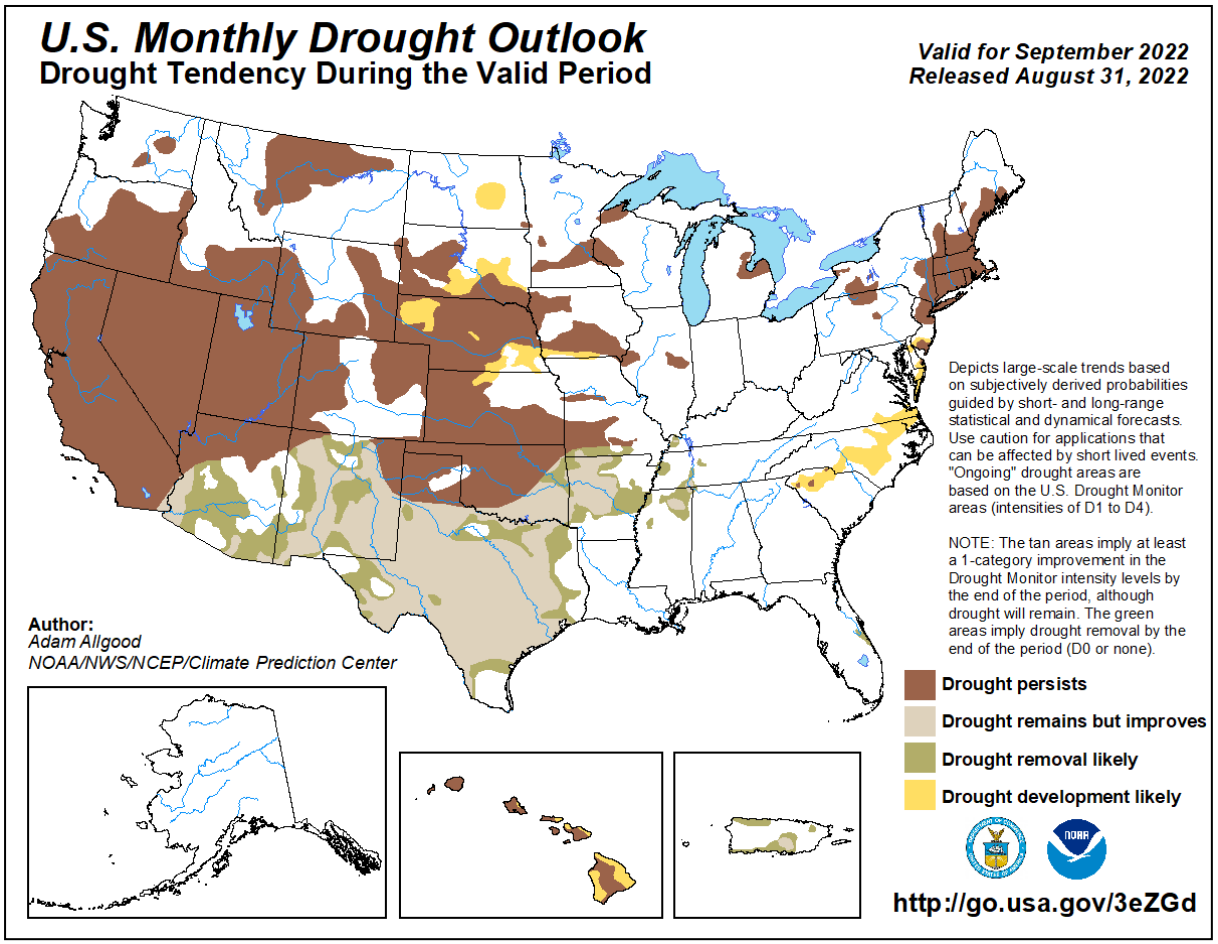
demands, and bringing renewed stress to rangeland and pastures. Dry weather extended into the **western Corn Belt**, maintaining stress on immature summer crops. Farther east, however, scattered but generally beneficial showers extended from the **middle and upper Mississippi Valley into the Northeast**. Elsewhere, favorably drier weather developed in much of the **Southeast**, following recent downpours. Still, some pockets of excessive wetness persisted in the **central Gulf Coast States**. Cooler-than-normal conditions were mostly limited to portions of the **Rio Grande Valley**, where cloudiness and showers helped to suppress temperatures. Near-normal weekly temperatures were common elsewhere in the **South**, extending northward into the **lower Ohio Valley** and environs. Above-normal temperatures dominated the remainder of the country, with the hottest weather—relative to normal—focused across the **northern High Plains** and much of the **West**. Weekly temperatures averaged at least 10°F above normal in numerous locations from interior sections of the **Pacific Coast States to the Great Basin, Intermountain West, and northern High Plains**. Late-season warmth (temperatures averaging 5°F or more above normal in many places) also extended eastward across the **Great Lakes region** and parts of the **Northeast**.

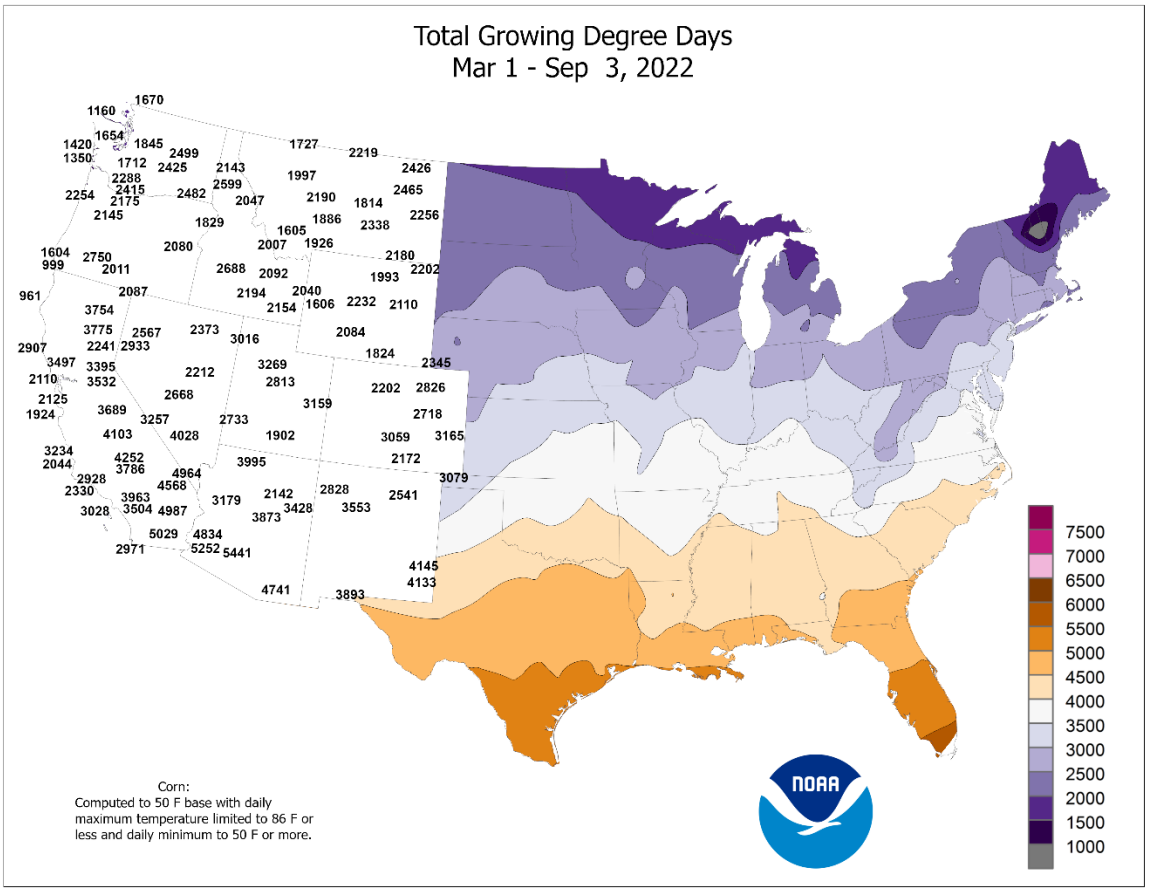
Some of the hottest September weather on record developed from the **Pacific Coast to the High Plains**. In fact, September temperature records were tied or broken during the first 3 days of the month in locations such as **Lancaster, CA** (112°F on the 1st); **Pendleton, OR** (104°F on the 2nd); and **Pocatello, ID** (102°F on the 3rd). Earlier, a trickle of daily records began in late August. By the 30th, **Portland, OR**, attained 100°F, its fifth triple-digit reading of the year. The only other times Portland recorded five 100-degree days in a year were 1941, 1977, and 2021. Meanwhile in **Washington**, **Seattle** (90°F on August 30) noted its 12th day this year with a high of 90°F or greater, tying an annual record set in 2015. Record-setting heat expanded to the remainder of the **West** on the last day of August, with **southern California** locations such as **Burbank** (112°F) and **Anaheim** (106°F) setting monthly record highs. **Burbank's** record had been on the books since August 26, 1944, when the high reached 111°F. On the strength of the late-month heat wave, several **Northwestern** communities—including **Dallesport, WA**, and **Redmond, OR**—completed their hottest August, breaking records that had been set in 1967. September began with another wave of record-shattering high temperatures. In fact, **Desert Rock, NV**, tied a monthly record with highs of 109°F on September 1 and 2, followed by a high of 110°F on September 6. **Salt Lake City, UT**, posted a monthly record high (102°F; previously, 100°F on September 5, 2020, and earlier dates) on the 1st, but later shattered that mark with 103°F on the 3rd; 104°F on the 5th; and 105°F on the 6th. On September 2, another surge of **Northwestern** heat led to monthly record highs in **Oregon** locations such as **Redmond** (106°F) and **Pendleton** (104°F). **Pendleton** tied a record originally set on September 3, 1930. By September 3, monthly records were shattered in parts of **Idaho**, with highs reaching 102°F in **Pocatello**, 100°F in **Idaho Falls**, and 99°F in **Burley** and **Challis**. **Burley's** monthly record was broken on September 6, with a high of 101°F, while **Challis** again reached 99°F. The **Western** heat wave, which further intensified from September 4-6, will be covered again next week.

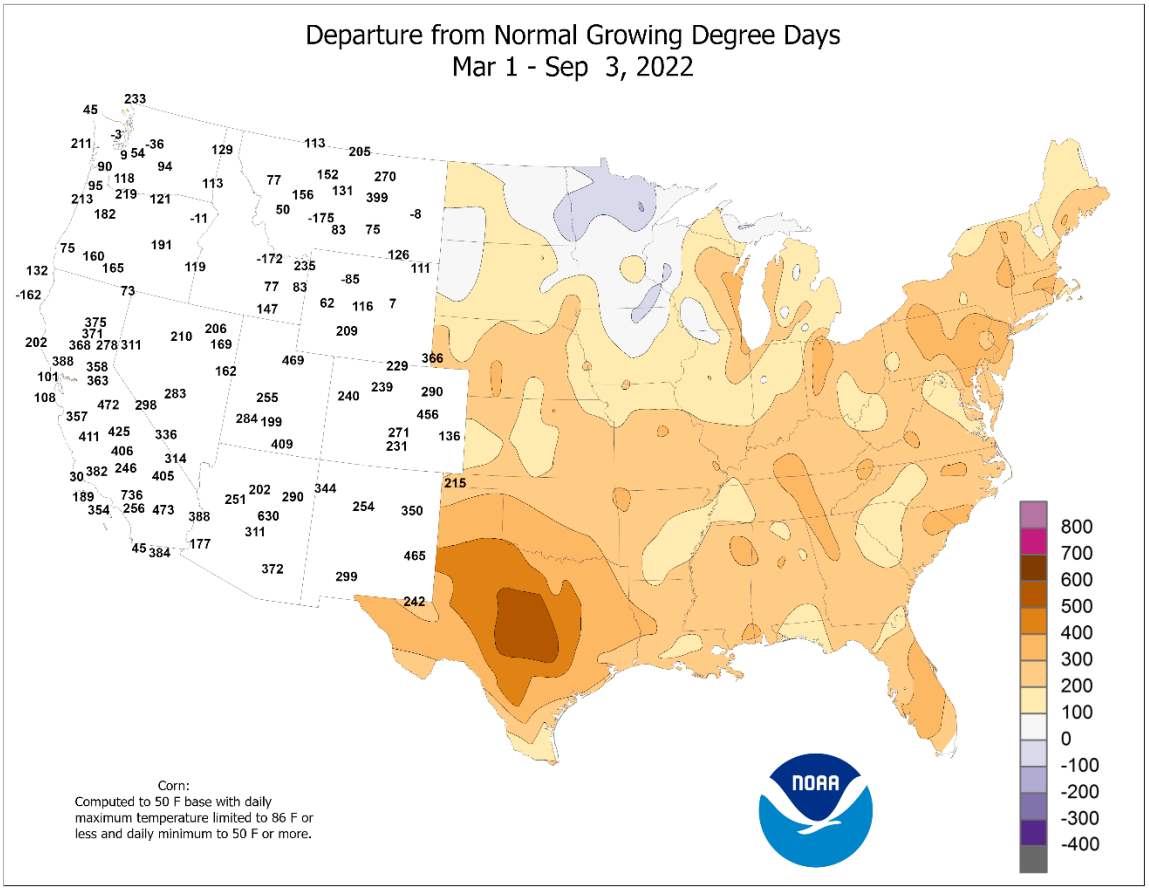
In late August, locally heavy showers and thunderstorms dotted several areas, including the **South**, **East**, and **lower Midwest**. Daily-record rainfall totals ranged from 2 to 4 inches in locations such as **Atlantic City, NJ** (3.52 inches on August 28); **Del Rio, TX** (3.19 inches on August 30); **Saint Simons Island, GA** (2.46 inches on August 29); and **Lubbock, TX** (2.25 inches on August 31). In the **Midwest**, daily-record amounts reached 1.99 inches (on August 29) in **Indianapolis, IN**, and 1.90 inches (on August 28) in **Joplin, MO**. The wettest August on record came to an end in **Jackson, MS** (12.75 inches; previously, 11.51 inches in 2008) and **Dallas-Fort Worth, TX** (10.68 inches; previously, 10.33 inches in 1915). In addition, **Charleston, WV**, completed its wettest summer on record, with 24.43 inches, surpassing its June-August 1958 record of 23.13 inches. In early September, showers lingered across the **South**, while a cold front generated some heavy rain in the **lower Midwest**. With 3.57 inches, **Lufkin, TX**, collected a record-setting total for September 2. **Evansville, IN**, was soaked with 4.48 inches of rain on the 3rd, not only a record for the date, but also the wettest September day on record in that location (previously, 4.39 inches on September 20, 1924).

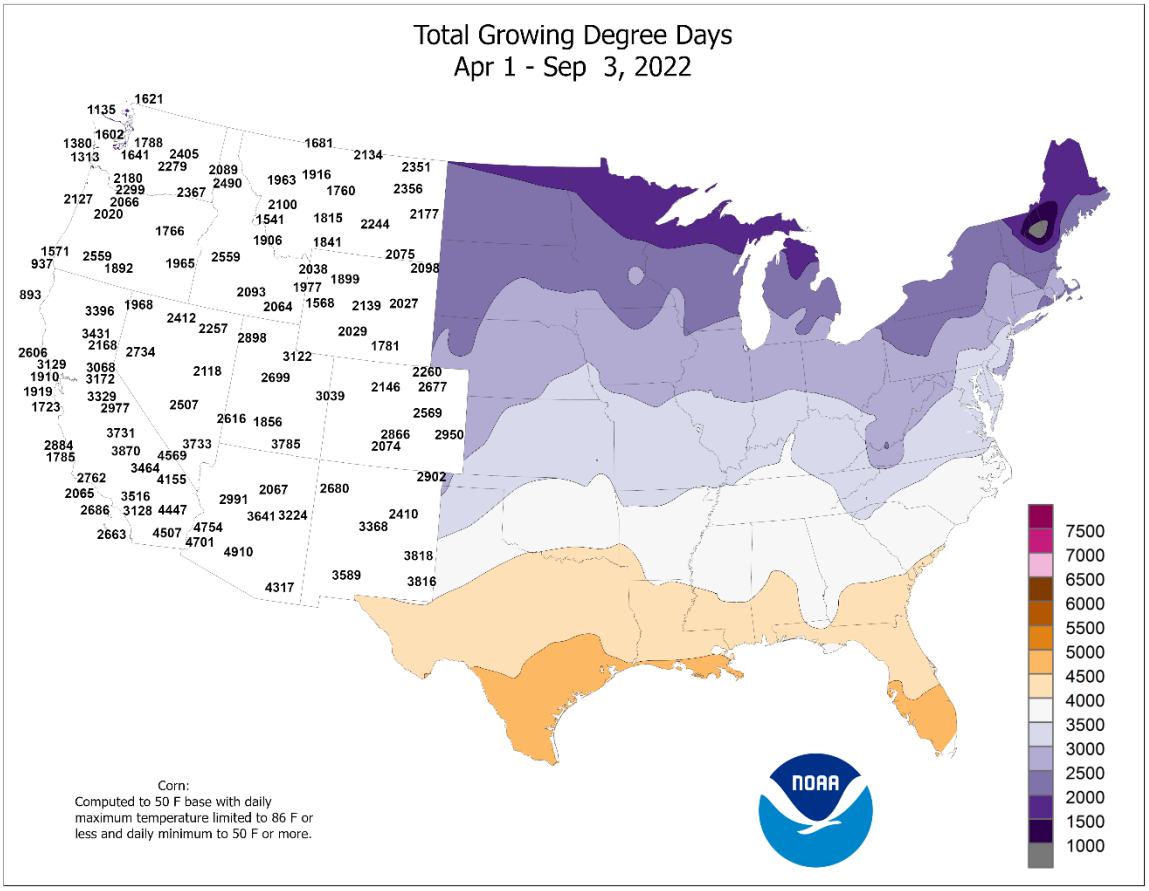
Alaska's warm-season wetness continued, except in the east-central part of the state. Precipitation was particularly heavy in **southeastern Alaska**, where **Juneau** netted a daily-record rainfall of 2.28 inches on August 29. **Juneau's** August rainfall totaled 9.05 inches (141 percent of normal). Very heavy precipitation fell in **Yakutat**, where September 1-3 rainfall reached 8.43 inches. **Yakutat** also collected a record-setting amount (4.18 inches) for September 1. Much of **interior Alaska** also received significant precipitation, with a daily record being set on August 31 in **McGrath** (0.84 inch). In **western Alaska**, **Nome** reported consecutive daily-record totals (1.33 and 0.57 inch, respectively) on August 30-31. Farther south, **Hawaii** experienced a continuation of warm, mostly dry weather. During August, less than one-tenth of an inch of rain fell in **Kahului, Maui** (0.06 inch, or 11 percent of normal), and **Honolulu, Oahu** (0.07 inch, or 8 percent).

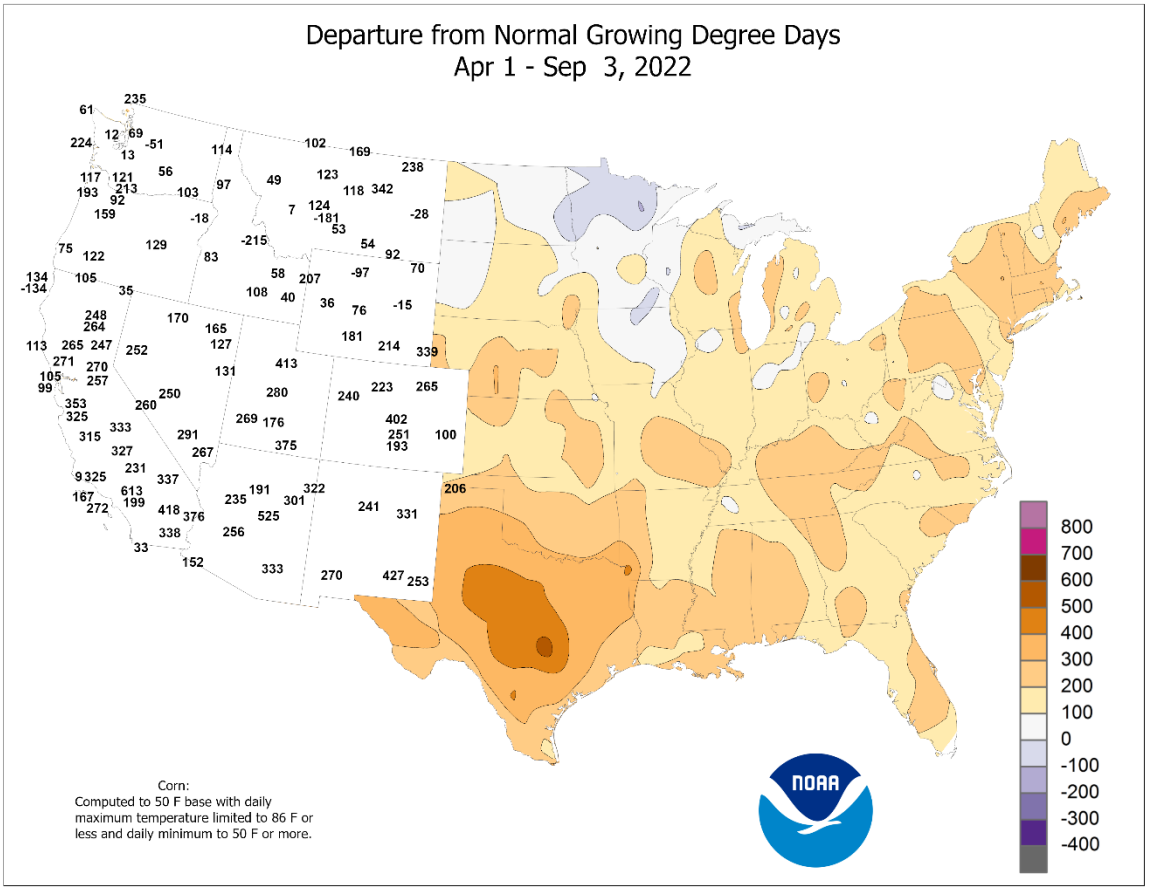

U.S. Drought Monitor
August 30, 2022
(Released Thursday, Sep. 1, 2022)
Valid 8 a.m. EDT
Drought Impact Types:
Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought
Author:
Deborah Bathke
National Drought Mitigation Center
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx
USDA
NDMC
droughtmonitor.unl.edu


U.S. Monthly Drought Outlook
Drought Tendency During the Valid Period
Valid for September 2022
Released August 31, 2022
Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).
Drought persists
Drought remains but improves
Drought removal likely
Drought development likely
http://go.usa.gov/3eZGd


Total Growing Degree Days
Mar 1 - Sep 3, 2022
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000


Departure from Normal Growing Degree Days
Mar 1 - Sep 3, 2022
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400


Total Growing Degree Days
Apr 1 - Sep 3, 2022
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000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Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400

National Weather Data for Selected Cities

Weather Data for the Week Ending September 3, 2022

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE ˚F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. ˚F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AK	ANCHORAGE	61	49	64	46	55	2	1.18	0.41	0.62	0.80	250	16.54	170	98	65	0	0	5	1
	BARROW	42	37	48	36	40	3	0.04	-0.19	0.02	0.02	25	9.11	271	97	85	0	0	2	0
	FAIRBANKS	65	48	69	44	57	5	0.02	-0.33	0.01	0.01	8	4.59	58	88	53	0	0	2	0
	JUNEAU	59	51	64	50	55	2	3.99	2.33	2.35	0.61	81	53.52	158	96	76	0	0	7	2
	KODIAK	61	50	64	48	55	2	0.64	-0.60	0.33	0.04	7	50.69	107	91	66	0	0	5	0
	NOME	53	44	59	33	49	1	2.27	1.63	1.05	0.41	150	10.89	100	94	74	0	0	4	2
AL	BIRMINGHAM	90	71	92	65	80	1	0.03	-0.80	0.03	0.00	0	38.61	102	92	52	3	0	1	0
	HUNTSVILLE	91	68	94	58	80	1	0.42	-0.35	0.18	0.28	85	37.74	102	96	48	5	0	3	0
	MOBILE	93	74	96	72	83	3	0.98	-0.28	0.51	0.01	2	45.17	94	91	48	6	0	4	1
	MONTGOMERY	92	72	94	68	82	2	0.16	-0.77	0.16	0.00	0	41.99	113	95	52	7	0	1	0
AR	FORT SMITH	92	73	98	69	83	3	1.09	0.40	0.56	0.53	148	35.66	120	93	48	6	0	3	1
	LITTLE ROCK	93	74	97	71	83	3	0.19	-0.48	0.19	0.19	61	34.89	110	87	48	6	0	1	0
AZ	FLAGSTAFF	84	50	88	48	67	5	0.01	-0.63	0.01	0.00	0	11.69	80	85	23	0	0	1	0
	PHOENIX	108	88	111	85	98	6	0.00	-0.20	0.00	0.00	0	1.87	34	43	18	7	0	0	0
	PRESCOTT	90	61	93	59	75	3	0.16	-0.34	0.16	0.16	80	8.30	83	78	26	4	0	1	0
	TUCSON	99	76	104	74	88	3	0.00	-0.43	0.00	0.00	0	3.69	44	63	26	7	0	0	0
CA	BAKERSFIELD	101	75	106	72	88	8	0.00	-0.01	0.00	0.00	0	1.85	41	44	17	7	0	0	0
	EUREKA	61	53	64	49	57	-1	0.00	-0.11	0.00	0.00	0	14.04	58	97	87	0	0	0	0
	FRESNO	104	73	111	69	88	9	0.00	0.00	0.00	0.00	0	1.08	13	52	16	7	0	0	0
	LOS ANGELES	82	69	91	66	75	6	0.00	-0.01	0.00	0.00	0	1.47	16	83	51	1	0	0	0
	REDDING	104	65	109	63	84	7	0.00	-0.08	0.00	0.00	0	4.89	23	48	8	7	0	0	0
	SACRAMENTO	97	61	104	58	79	6	0.00	-0.02	0.00	0.00	0	2.19	18	77	16	6	0	0	0
	SAN DIEGO	83	71	93	69	77	5	0.00	0.00	0.00	0.00	0	2.48	34	82	51	1	0	0	0
	SAN FRANCISCO	72	57	75	55	64	-1	0.00	-0.02	0.00	0.00	0	1.81	13	88	56	0	0	0	0
	STOCKTON	98	62	104	59	80	6	0.00	-0.01	0.00	0.00	0	1.60	17	74	18	7	0	0	0
CO	ALAMOSA	83	45	85	39	64	4	0.30	0.03	0.19	0.00	0	9.24	177	92	24	0	0	2	0
	CO SPRINGS	89	57	94	52	73	7	0.18	-0.37	0.09	0.15	79	11.82	84	69	19	3	0	4	0
	DENVER INTL	92	61	95	56	76	7	0.50	0.25	0.50	0.50	529	8.72	75	60	15	5	0	1	1
	GRAND JUNCTION	96	61	99	58	79	6	0.02	-0.23	0.02	0.00	0	3.34	54	42	10	7	0	1	0
	PUEBLO	95	58	100	55	77	6	0.31	-0.04	0.31	0.31	254	8.65	82	67	17	6	0	1	0
CT	BRIDGEPORT	82	66	87	59	74	3	0.01	-0.76	0.01	0.00	0	19.78	67	85	49	0	0	1	0
	HARTFORD	83	61	90	50	72	3	0.39	-0.32	0.35	0.00	0	27.02	88	89	42	2	0	2	0
DC	WASHINGTON	91	71	96	66	81	5	0.14	-0.54	0.14	0.00	0	29.63	111	85	42	4	0	1	0
DE	WILMINGTON	88	68	91	62	78	5	0.00	-0.72	0.00	0.00	0	27.20	93	91	44	2	0	0	0
FL	DAYTONA BEACH	90	75	93	74	83	2	3.56	1.97	1.48	0.05	7	28.89	85	94	61	3	0	6	3
	JACKSONVILLE	89	73	92	71	81	1	1.37	-0.52	0.75	0.38	44	38.48	106	100	65	4	0	4	1
	KEY WEST	89	78	90	75	84	0	1.54	0.07	0.83	0.59	90	19.37	79	93	65	1	0	3	2
	MIAMI	92	78	93	76	85	1	2.02	-0.22	0.67	0.33	33	44.05	106	87	57	7	0	7	2
	ORLANDO	93	76	95	76	85	2	2.67	1.15	1.05	0.98	150	33.02	88	94	52	7	0	5	3
	PENSACOLA	92	77	98	75	84	3	0.00	-1.37	0.00	0.00	0	51.02	112	93	59	6	0	0	0
	TALLAHASSEE	91	74	95	73	82	1	0.17	-1.14	0.16	0.00	0	48.04	108	99	58	7	0	2	0
	TAMPA	92	77	94	73	84	1	4.65	2.88	2.72	4.52	585	43.63	126	90	57	7	0	5	2
	WEST PALM BEACH	91	77	93	75	84	2	0.79	-1.18	0.47	0.16	18	29.34	70	91	56	7	0	4	0
GA	ATHENS	91	69	93	67	80	2	1.17	0.43	0.92	1.02	301	31.05	98	98	50	6	0	3	1
	ATLANTA	89	72	91	69	81	3	0.37	-0.55	0.28	0.09	21	37.00	108	93	50	3	0	2	0
	AUGUSTA	89	70	91	69	80	1	2.73	1.93	1.33	1.40	422	38.31	122	100	58	3	0	3	3
	COLUMBUS	92	73	95	71	82	1	0.08	-0.68	0.08	0.00	0	33.34	101	95	49	6	0	1	0
	MACON	91	71	93	69	81	2	0.15	-0.78	0.12	0.15	36	35.99	111	97	55	6	0	2	0
	SAVANNAH	87	73	93	69	80	0	2.27	0.94	1.37	0.83	152	27.20	78	97	62	1	0	5	1
HI	HILO	85	70	85	69	77	1	0.86	-1.20	0.33	0.46	50	58.33	72	93	61	0	0	5	0
	HONOLULU	89	75	90	72	82	0	0.06	-0.07	0.04	0.05	100	9.14	101	83	46	1	0	3	0
	KAHULUI	89	71	92	52	80	0	0.09	0.00	0.09	0.09	255	0.91	8	80	48	4	0	1	0
	LIHUE	84	74	85	70	79	-1	0.64	0.23	0.32	0.26	146	19.53	90	88	64	0	0	5	0
IA	BURLINGTON	86	63	93	53	75	2	1.41	0.43	1.40	1.40	348	17.96	64	93	47	1	0	2	1
	CEDAR RAPIDS	83	62	88	54	73	4	0.11	-0.79	0.11	0.00	0	16.45	63	92	52	0	0	1	0
	DES MOINES	85	65	89	59	75	3	0.96	0.15	0.86	0.08	23	22.07	81	92	46	0	0	3	1
	DUBUQUE	81	62	84	56	71	4	0.97	0.05	0.97	0.00	0	22.98	87	94	59	0	0	1	1
	SIOUX CITY	88	57	93	50	73	4	0.00	-0.76	0.00	0.00	0	11.12	53	95	41	4	0	0	0
	WATERLOO	84	62	87	56	73	4	1.35	0.56	1.08	0.27	89	27.33	102	93	53	0	0	2	1
ID	BOISE	97	62	106	53	80	9	0.00	-0.09	0.00	0.00	0	5.91	77	38	8	6	0	0	0
	LEWISTON	95	63	105	56	79	9	0.03	-0.14	0.03	0.03	44	9.67	111	50	16	5	0	1	0
	POCATELLO	93	50	102	42	72	7	0.00	-0.17	0.00	0.00	0	7.28	88	63	10	5	0	0	0
IL	CHICAGO/O_HARE	86	67	89	62	76	6	0.11	-0.80	0.06	0.00	0	23.65	93	83	46	0	0	2	0
	MOLINE	85	63	87	56	74	3	1.89	0.97	1.70	1.70	480	25.24	91	91	55	0	0	3	1
	PEORIA	87	65	91	59	76	4	0.63	-0.14	0.63	0.00	0	19.73	78	90	49	2	0	1	1
	ROCKFORD	83	62	87	56	73	3	1.04	0.12	0.73	0.00	0	27.80	106	92	57	0	0	2	1
	SPRINGFIELD	84	63	89	55	73	1	1.78	1.08	0.88	0.56	195	25.11	96	93	54	0	0	4	2
IN	EVANSVILLE	90	65	94	58	77	3	4.58	3.91	4.48	4.48	900	36.92	118	95	43	4	0	2	1
	FORT WAYNE	84	61	89	56	73	3	1.06	0.31	1.00	0.00	0	24.77	91	95	53	0	0	2	1
	INDIANAPOLIS	85	64	92	58	74	2	2.49	1.80	1.96	0.23	77	26.96	91	90	49	2	0	4	1
	SOUTH BEND	87	65	91	58	76	6	0.87	0.03	0.57	0.00	0	23.42	91	93	46	1	0	3	1
KS	CONCORDIA	95	64	98	58	80	5	0.00	-0.67	0.00	0.00	0	16.40	76	84	29	7	0	0	0
	DODGE CITY	97	64	103	60	80	5	0.24	-0.31	0.24	0.24	107	8.47	50	86	27	7	0	1	0
	GOODLAND	92	59	99	52	76	5	0.23	-0.18	0.22	0.01	7	9.35	58	78	21	5	0	2	0
	TOPEKA	91	65	92	59	78	3	0.91	0.02	0.91	0.00	0	24.70	91	94	42	6	0	1	1

Based on 1981-2010 normals ***** Not Available**

Weather Data for the Week Ending September 3, 2022

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	95	66	98	60	80	3	0.00	-0.83	0.00	0.00	0	24.17	99	88	31	7	0	0	0
KY	LEXINGTON	87	65	93	58	76	2	1.39	0.74	0.65	0.22	78	37.30	116	92	51	1	0	3	2
	LOUISVILLE	89	69	94	64	79	2	1.83	1.19	0.91	0.91	333	33.14	105	88	45	2	0	3	2
	PADUCAH	91	65	95	58	78	3	0.21	-0.44	0.15	0.02	7	33.28	101	95	46	4	0	3	0
LA	BATON ROUGE	92	74	95	74	83	1	0.62	-1.07	0.30	0.30	43	34.79	82	99	57	6	0	3	0
	LAKE CHARLES	90	74	93	71	82	0	1.37	0.16	0.90	1.03	187	25.23	65	97	61	6	0	5	1
	NEW ORLEANS	92	76	95	74	84	1	2.81	1.44	2.07	2.07	351	40.98	91	95	55	6	0	3	2
	SHREVEPORT	92	75	95	74	84	2	2.03	1.43	1.06	1.22	449	36.59	106	94	58	6	0	4	2
MA	BOSTON	81	64	91	56	72	3	0.31	-0.36	0.31	0.00	0	16.96	58	85	45	1	0	1	0
	WORCESTER	78	60	85	49	69	2	0.24	-0.52	0.22	0.00	0	27.50	86	91	49	0	0	2	0
MD	BALTIMORE	90	67	95	62	78	6	0.06	-0.69	0.06	0.00	0	31.42	111	88	43	4	0	1	0
ME	CARIBOU	76	52	86	43	64	3	0.42	-0.35	0.22	0.00	0	28.20	113	93	53	0	0	2	0
	PORTLAND	76	56	82	46	66	1	1.15	0.45	1.15	0.00	0	24.71	82	94	52	0	0	1	1
MI	ALPENA	80	57	88	43	68	6	0.28	-0.44	0.15	0.03	10	21.14	111	91	50	0	0	3	0
	GRAND RAPIDS	83	62	86	59	73	4	1.91	1.03	1.01	0.00	0	26.19	104	94	56	0	0	2	2
	HOUGHTON LAKE	79	58	83	45	69	6	0.74	0.02	0.59	0.00	0	19.79	105	89	55	0	0	2	1
	LANSING	84	63	87	59	73	6	0.89	0.13	0.55	0.55	162	27.14	127	90	53	0	0	2	1
	MUSKEGON	83	67	90	61	75	8	1.39	0.57	1.10	0.00	0	22.15	106	86	55	1	0	2	1
	TRAVERSE CITY	82	62	89	53	72	7	0.24	-0.55	0.16	0.00	0	16.40	76	86	48	0	0	2	0
MN	DULUTH	76	57	85	48	67	5	0.51	-0.39	0.51	0.00	0	22.77	108	89	42	0	0	1	1
	INT_L FALLS	75	55	86	43	65	5	0.35	-0.33	0.24	0.00	0	27.05	156	92	54	0	0	2	0
	MINNEAPOLIS	83	64	89	58	73	5	0.25	-0.56	0.25	0.00	0	17.89	79	80	45	0	0	1	0
	ROCHESTER	78	59	82	53	69	0	1.21	0.28	0.94	0.27	74	30.31	123	93	61	0	0	2	1
	ST. CLOUD	83	57	88	52	70	5	0.55	-0.41	0.55	0.00	0	20.74	103	95	46	0	0	1	1
MO	COLUMBIA	88	65	92	59	76	3	0.28	-0.70	0.24	0.24	57	24.55	81	89	48	3	0	2	0
	KANSAS CITY	89	66	92	59	77	3	0.51	-0.48	0.51	0.00	0	26.17	94	93	43	2	0	1	1
	SAINT LOUIS	87	69	94	63	78	2	0.54	-0.13	0.32	0.22	73	38.89	138	87	46	2	0	3	0
	SPRINGFIELD	85	66	89	58	75	0	2.14	1.15	1.11	1.00	217	31.54	103	95	57	0	0	3	2
MS	JACKSON	91	71	92	68	81	1	0.50	-0.24	0.49	0.01	3	47.61	126	100	52	7	0	2	0
	MERIDIAN	92	71	93	67	82	3	0.12	-0.65	0.12	0.00	0	41.80	107	98	52	7	0	1	0
	TUPELO	94	71	97	64	82	3	3.21	2.57	2.65	0.00	0	36.01	97	88	44	7	0	3	1
MT	BILLINGS	92	59	101	53	75	8	0.00	-0.22	0.00	0.00	0	11.72	114	52	15	5	0	0	0
	BUTTE	86	44	96	37	65	7	0.00	-0.29	0.00	0.00	0	6.75	67	65	13	1	0	0	0
	CUT BANK	88	48	96	43	68	9	0.00	-0.29	0.00	0.00	0	6.51	73	75	17	4	0	0	0
	GLASGOW	92	57	101	49	75	9	0.03	-0.20	0.03	0.00	0	6.16	65	55	18	4	0	1	0
	GREAT FALLS	91	50	102	43	71	9	0.00	-0.38	0.00	0.00	0	8.72	75	61	13	5	0	0	0
	HAVRE	93	51	103	44	72	9	0.04	-0.21	0.04	0.00	0	6.53	73	69	15	5	0	1	0
	MISSOULA	92	50	99	45	71	7	0.00	-0.30	0.00	0.00	0	6.36	62	66	16	4	0	0	0
NC	ASHEVILLE	83	63	85	57	73	2	0.06	-0.91	0.04	0.02	5	34.49	107	96	52	0	0	2	0
	CHARLOTTE	91	67	92	64	79	4	0.28	-0.56	0.25	0.00	0	27.12	94	94	43	6	0	2	0
	GREENSBORO	87	66	89	62	76	1	0.06	-0.89	0.06	0.00	0	31.12	107	92	48	0	0	1	0
	HATTERAS	86	73	89	71	80	2	0.36	-1.31	0.31	0.00	0	32.76	86	94	68	0	0	3	0
	RALEIGH	93	68	95	63	80	4	0.02	-1.02	0.02	0.02	4	30.00	100	96	38	7	0	1	0
	WILMINGTON	89	73	93	69	81	2	0.37	-1.43	0.35	0.00	0	30.35	76	97	58	2	0	2	0
ND	BISMARCK	87	54	102	45	71	5	0.03	-0.41	0.03	0.00	0	22.98	163	85	28	3	0	1	0
	DICKINSON	86	53	96	49	69	5	0.06	-0.30	0.06	0.00	0	13.56	107	76	25	3	0	1	0
	FARGO	80	53	87	45	67	1	0.02	-0.63	0.02	0.00	0	17.26	105	92	42	0	0	1	0
	GRAND FORKS	82	53	90	43	68	4	0.13	-0.46	0.13	0.00	0	19.96	128	90	37	2	0	1	0
	JAMESTOWN	82	53	90	42	67	3	0.17	-0.35	0.17	0.00	0	13.86	96	89	35	1	0	1	0
NE	GRAND ISLAND	92	61	97	55	76	5	0.00	-0.60	0.00	0.00	0	10.17	48	83	30	4	0	0	0
	LINCOLN	93	62	98	55	77	5	0.00	-0.81	0.00	0.00	0	16.47	75	84	30	6	0	0	0
	NORFOLK	92	58	99	49	75	5	0.00	-0.66	0.00	0.00	0	10.02	48	86	27	5	0	0	0
	NORTH PLATTE	95	55	100	52	75	6	0.11	-0.24	0.06	0.00	0	10.81	65	85	22	6	0	2	0
	OMAHA	88	64	95	57	76	4	0.04	-0.70	0.04	0.00	0	17.94	76	90	40	3	0	1	0
	SCOTTSBLUFF	94	57	99	53	75	7	0.00	-0.26	0.00	0.00	0	6.60	53	71	19	6	0	0	0
	VALENTINE	92	53	98	45	73	3	0.00	-0.34	0.00	0.00	0	9.45	58	82	20	4	0	0	0
NH	CONCORD	83	54	93	43	69	3	0.75	0.09	0.75	0.00	0	24.19	91	97	42	2	0	1	1
NJ	ATLANTIC_CITY	85	65	88	58	75	3	3.74	2.99	3.52	0.00	0	34.04	119	92	50	0	0	2	1
	NEWARK	85	69	90	61	77	3	0.44	-0.26	0.43	0.00	0	22.93	72	84	44	1	0	2	0
NM	ALBUQUERQUE	89	64	94	62	77	3	0.00	-0.27	0.00	0.00	0	6.35	97	61	22	3	0	0	0
NV	ELY	92	50	96	46	71	8	0.00	-0.19	0.00	0.00	0	3.72	53	57	11	6	0	0	0
	LAS VEGAS	107	85	110	83	96	8	0.00	-0.08	0.00	0.00	0	1.13	37	31	13	7	0	0	0
	RENO	98	64	100	59	81	11	0.00	-0.05	0.00	0.00	0	2.41	49	44	11	7	0	0	0
	WINNEMUCCA	99	53	103	46	76	10	0.00	-0.07	0.00	0.00	0	2.78	49	44	9	7	0	0	0
NY	ALBANY	83	59	91	48	71	3	0.77	0.10	0.76	0.01	4	29.81	113	90	43	2	0	2	1
	BINGHAMTON	78	56	86	47	67	2	0.75	-0.02	0.71	0.00	0	27.26	103	95	52	0	0	2	1
	BUFFALO	81	63	88	56	72	4	0.96	0.20	0.96	0.00	0	22.35	88	87	50	0	0	1	1
	ROCHESTER	82	59	92	54	70	3	0.50	-0.25	0.50	0.00	0	19.54	85	92	49	1	0	1	1
	SYRACUSE	83	60	94	50	72	4	1.36	0.55	0.90	0.00	0	23.85	96	87	45	1	0	3	1
OH	AKRON-CANTON	86	63	90	58	74	6	0.11	-0.69	0.08	0.00	0	27.06	98	86	45	1	0	2	0
	CINCINNATI	84	64	91	58	74	1	1.33	0.67	0.65	0.50	184	38.14	127	97	54	1	0	3	2
	CLEVELAND	84	64	89	60	74	4	1.85	1.04	1.77	0.00	0	28.90	112	89	47	0	0	2	1
	COLUMBUS	84	64	91	59	74	2	0.77	0.02	0.58	0.17	55	36.22	129	95	54	2	0	3	1
	DAYTON	86	64	93	60	75	5	0.50	-0.27	0.29	0.17	48	29.50	103	88	48	2	0	3	0
	MANSFIELD	82	62	88	59	72	4	0.24	-0.70	0.14	0.00	0	33.69	107	90	53	0	0	2	0

Based on 1981-2010 normals ***** Not Available**

Weather Data for the Week Ending September 3, 2022

STATES AND STATIONS		TEMPERATURE ˚F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. ˚F		NUMBER OF DAYS PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	87	64	91	60	76	6	1.04	0.36	1.02	0.00	0	32.26	137	90	48	2	0	2	1
	YOUNGSTOWN	84	60	88	52	72	5	0.10	-0.70	0.08	0.00	0	31.83	120	92	45	0	0	2	0
OK	OKLAHOMA CITY	92	69	99	66	80	1	2.92	2.10	1.39	1.39	366	18.13	71	96	50	6	0	3	3
	TULSA	92	70	96	66	81	2	2.46	1.63	1.47	1.91	474	26.25	94	95	45	5	0	3	2
OR	ASTORIA	71	56	81	51	63	3	0.00	-0.40	0.00	0.00	0	41.65	108	97	66	0	0	0	0
	BURNS	95	49	100	45	72	11	0.00	-0.10	0.00	0.00	0	4.66	64	46	10	6	0	0	0
	EUGENE	88	55	98	49	71	6	0.00	-0.22	0.00	0.00	0	18.77	71	88	33	4	0	0	0
	MEDFORD	97	61	102	57	79	8	0.00	-0.11	0.00	0.00	0	7.16	69	65	15	6	0	0	0
	PENDLETON	94	59	103	49	77	8	0.00	-0.11	0.00	0.00	0	11.03	133	56	16	5	0	0	0
	PORTLAND	90	63	100	58	76	8	0.00	-0.24	0.00	0.00	0	22.87	111	79	31	4	0	0	0
	SALEM	89	57	96	52	73	7	0.00	-0.20	0.00	0.00	0	24.26	109	86	29	4	0	0	0
PA	ALLENTOWN	85	62	91	51	74	5	0.09	-0.68	0.09	0.00	0	30.21	100	90	42	1	0	1	0
	ERIE	81	65	86	58	73	4	0.27	-0.56	0.16	0.00	0	26.23	100	84	51	0	0	2	0
	MIDDLETOWN	88	67	92	60	78	6	0.32	-0.43	0.32	0.00	0	27.00	99	85	41	2	0	1	0
	PHILADELPHIA	89	71	94	65	80	6	0.42	-0.30	0.42	0.00	0	24.44	86	87	40	3	0	1	0
	PITTSBURGH	82	62	88	58	72	3	0.07	-0.70	0.04	0.00	0	26.74	99	90	50	0	0	2	0
	WILKES-BARRE	84	61	90	51	73	5	1.41	0.64	1.41	0.00	0	26.47	104	87	44	1	0	1	1
	WILLIAMSPORT	85	60	90	51	73	4	0.28	-0.61	0.25	0.00	0	23.32	85	94	42	1	0	2	0
RI	PROVIDENCE	83	62	88	56	72	2	0.22	-0.56	0.22	0.00	0	24.26	78	89	46	0	0	1	0
SC	CHARLESTON	86	73	90	70	79	0	3.14	1.46	2.50	0.52	73	35.72	98	98	68	1	0	5	1
	COLUMBIA	90	72	91	70	81	2	0.22	-0.73	0.22	0.00	0	30.00	93	97	55	6	0	1	0
	FLORENCE	89	70	91	66	80	1	0.00	-1.04	0.00	0.00	0	26.83	87	96	52	4	0	0	0
	GREENVILLE	90	67	91	63	79	2	0.09	-0.78	0.09	0.09	24	35.80	109	94	45	4	0	1	0
SD	ABERDEEN	86	53	95	47	70	4	0.00	-0.52	0.00	0.00	0	16.91	102	93	36	1	0	0	0
	HURON	89	52	96	43	70	2	0.01	-0.51	0.01	0.01	5	13.81	78	90	25	3	0	1	0
	RAPID CITY	89	53	98	48	71	3	0.00	-0.30	0.00	0.00	0	13.85	107	76	25	3	0	0	0
	SIOUX FALLS	87	57	92	49	72	5	0.00	-0.69	0.00	0.00	0	18.85	96	84	38	3	0	0	0
TN	BRISTOL	89	62	93	58	75	3	0.44	-0.28	0.44	0.00	0	31.73	106	96	42	3	0	1	0
	CHATTANOOGA	90	70	92	63	80	2	0.20	-0.57	0.20	0.20	54	39.58	110	89	46	4	0	1	0
	KNOXVILLE	89	67	92	61	78	2	0.36	-0.28	0.31	0.31	108	38.33	113	94	47	4	0	2	0
	MEMPHIS	94	74	96	68	84	3	1.90	1.35	1.36	1.36	547	38.64	108	83	44	7	0	2	2
	NASHVILLE	91	68	95	62	80	3	0.69	0.02	0.43	0.65	227	40.66	125	84	40	6	0	3	0
TX	ABILENE	90	72	101	70	81	1	3.13	2.54	1.65	0.61	258	8.20	47	89	48	3	0	6	2
	AMARILLO	90	64	97	63	77	2	0.85	0.34	0.82	0.03	14	11.25	72	87	38	3	0	2	1
	AUSTIN	93	75	99	71	84	0	0.88	0.14	0.55	0.03	9	12.74	56	94	50	6	0	3	1
	BEAUMONT	91	75	94	74	83	1	0.35	-1.07	0.14	0.12	19	29.91	75	98	62	6	0	3	0
	BROWNSVILLE	94	79	96	76	86	2	0.59	-0.35	0.43	0.55	116	16.39	107	92	57	7	0	3	0
	CORPUS CHRISTI	91	79	94	76	85	1	2.64	1.54	0.84	0.79	158	18.29	92	93	65	5	0	5	3
	DEL RIO	89	74	97	71	81	-3	1.18	0.64	0.98	0.98	377	5.23	38	92	57	3	0	2	1
	EL PASO	89	70	97	67	79	0	0.04	-0.31	0.03	0.01	7	5.61	84	75	35	2	0	2	0
	FORT WORTH	91	75	97	73	83	0	0.63	0.01	0.23	0.33	113	26.49	108	88	50	5	0	4	0
	GALVESTON	91	82	94	77	86	2	3.71	0.00	2.68	2.68	0	25.21	0	83	63	6	0	2	2
	HOUSTON	92	74	95	73	83	0	2.73	1.69	0.84	0.57	130	30.31	94	99	58	5	0	5	4
	LUBBOCK	87	67	98	64	77	1	3.72	3.21	2.23	0.41	170	10.23	76	89	48	2	0	6	2
	MIDLAND	84	68	96	65	76	-3	0.97	0.52	0.46	0.07	37	6.34	63	97	53	2	0	6	0
	SAN ANGELO	88	71	101	68	79	-1	3.94	3.28	1.48	1.77	680	7.47	52	92	53	2	0	5	3
	SAN ANTONIO	94	76	97	73	85	1	0.87	0.15	0.86	0.86	279	7.79	36	90	44	7	0	2	1
	VICTORIA	91	75	94	73	83	0	1.21	0.27	0.51	0.51	118	14.86	54	100	62	6	0	4	1
	WACO	91	76	99	73	83	1	0.45	-0.19	0.39	0.39	133	11.68	52	93	56	3	0	2	0
	WICHITA FALLS	94	72	101	69	83	2	0.06	-0.61	0.06	0.06	20	11.71	58	91	42	5	0	1	0
UT	SALT LAKE CITY	100	68	103	65	84	11	0.00	-0.22	0.00	0.00	0	6.25	58	41	10	7	0	0	0
VA	LYNCHBURG	89	64	92	56	76	4	0.39	-0.41	0.39	0.00	0	32.64	115	92	44	3	0	1	0
	NORFOLK	89	73	94	70	80	4	0.00	-1.15	0.00	0.00	0	24.46	75	97	51	1	0	0	0
	RICHMOND	92	67	94	63	79	4	0.01	-0.96	0.01	0.00	0	27.57	90	93	38	6	0	1	0
	ROANOKE	88	65	90	60	76	3	0.00	-0.90	0.00	0.00	0	29.80	104	88	44	1	0	0	0
	WASH/DULLES	90	64	94	58	77	4	0.20	-0.55	0.16	0.00	0	27.13	96	94	42	3	0	2	0
VT	BURLINGTON	81	58	89	47	69	3	0.62	-0.15	0.56	0.00	0	23.58	96	90	44	0	0	2	1
WA	OLYMPIA	84	53	92	47	68	6	0.00	-0.33	0.00	0.00	0	31.83	114	95	37	1	0	0	0
	QUILLAYUTE	73	55	86	50	64	5	0.00	-0.72	0.00	0.00	0	59.77	104	99	63	0	0	0	0
	SEATTLE-TACOMA	81	58	90	53	70	5	0.06	-0.20	0.06	0.06	53	24.78	119	87	40	1	0	1	0
	SPOKANE	89	60	99	49	74	9	0.01	-0.13	0.01	0.01	20	9.42	91	61	19	4	0	1	0
	YAKIMA	92	55	98	48	74	8	0.00	-0.09	0.00	0.00	0	4.06	81	72	21	4	0	0	0
WI	EAU CLAIRE	82	60	88	54	71	5	0.71	-0.17	0.50	0.20	54	15.78	70	92	49	0	0	3	1
	GREEN BAY	82	62	87	55	72	7	1.37	0.65	0.69	0.79	256	23.55	114	86	53	0	0	4	2
	LA CROSSE	84	64	89	60	74	6	0.19	-0.70	0.19	0.00	0	21.78	89	90	46	0	0	1	0
	MADISON	81	63	85	58	72	5	0.31	-0.56	0.27	0.27	80	25.76	102	86	52	0	0	2	0
	MILWAUKEE	84	68	89	64	76	7	0.41	-0.37	0.34	0.00	0	23.11	94	81	49	0	0	2	0
WV	BECKLEY	80	61	84	54	71	3	0.65	0.02	0.62	0.00	0	35.85	119	95	54	0	0	2	1
	CHARLESTON	86	63	91	58	74	2	1.18	0.40	0.93	0.05	15	45.93	146	100	50	2	0	3	1
	ELKINS	83	57	89	52	70	3	1.07	0.24	0.98	0.00	0	43.05	129	97	49	0	0	2	1
	HUNTINGTON	86	64	91	58	74	2	0.63	-0.12	0.31	0.08	25	36.94	121	96	50	2	0	3	0
WY	CASPER	89	49	96	43	69	4	0.00	-0.17	0.00	0.00	0	10.22	110	74	16	5	0	0	0
	CHEYENNE	88	56	91	51	72	7	0.00	-0.37	0.00	0.00	0	6.56	51	56	12	1	0	0	0
	LANDER	91	56	98	52	74	8	0.00	-0.13	0.00	0.00	0	9.75	107	44	13	5	0	0	0
	SHERIDAN	93	51	101	46	72	7	0.00	-0.22	0.00	0.00	0	13.44	132	65	16	5	0	0	0

Based on 1981-2010 normals ***** Not Available**

National Agricultural Summary

August 29 – September 4, 2022

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Most of the western half of the nation was drier than normal, while much of the southern Plains, as well as parts of Colorado, the Great Lakes, Mississippi Valley, Ohio Valley, Southeast, and Southwest, recorded at least twice the normal amount of weekly precipitation. Some locations in Florida, Georgia, and Texas recorded more than 5 inches of rain during the week. Meanwhile, most of the nation recorded above-normal temperatures. Parts of California, the Great Basin, Pacific Northwest, and northern Rockies noted weekly temperatures 8°F or more above normal. In contrast, large parts of the Southwest and Texas recorded below-normal temperatures. A few areas in Texas recorded temperatures 6°F or more below normal.

Corn: By September 4, ninety-two percent of the corn acreage was at or beyond the dough stage, 2 percentage points behind last year and 1 point behind the 5-year average. By September 4, sixty-three percent of this year's corn acreage was denting, 9 percentage points behind last year and 4 points behind average. Denting progress advanced 10 percentage points or more during the week in 14 of the 18 estimating states. Fifteen percent of the nation's corn acreage was mature by September 4, four percentage points behind last year and 3 points behind average. On September 4, fifty-four percent of the nation's corn acreage was rated in good to excellent condition, unchanged from the previous week but 5 percentage points below the same time last year. In Iowa, 66 percent of the corn crop was rated in good to excellent condition.

Soybeans: Nationally, 94 percent of the nation's soybean acreage had begun setting pods, 2 percentage points behind both last year and the 5-year average. Nationally, leaf drop was 10 percent complete by September 4, seven percentage points behind last year and 4 points behind average. On September 4, fifty-seven percent of the nation's soybean acreage was rated in good to excellent condition, unchanged from both the previous week and the previous year.

Winter Wheat: Nationwide, producers had sown 3 percent of the intended 2023 winter wheat acreage by September 4, two percentage points behind last year but equal to the 5-year average. Planting progress was most advanced in Colorado at 13 percent planted, 8 percentage points behind last year but 4 points ahead of average.

Cotton: By September 4, ninety-seven percent of the nation's cotton acreage had begun setting bolls, 4 percentage points ahead of last year and 1 point ahead of the 5-year average. By September 4, thirty-nine percent of the nation's cotton had open bolls, 11 percentage points ahead of last year and 7 points ahead of average. On September 4, thirty-five percent of the 2022 cotton acreage was rated in good to excellent condition, 1 percentage point above the previous week but 26 points below the same time last year.

Sorghum: By September 4, ninety-two percent of the nation's sorghum acreage had reached the headed stage, 6 percentage points behind last year and 5 points behind the 5-year average. Sixty-two percent of the nation's sorghum acreage was at or beyond the coloring stage by September 4, nine percentage points behind last year and 5 points behind average. By September 4, twenty-eight percent of the sorghum acreage was mature, 3 percentage points behind last year and 1 point behind average. Eighty percent of Texas' sorghum acreage was mature by September 4, three percentage points ahead of last year and 4 points ahead of average. Twenty percent of the 2022 sorghum acreage had been harvested by September 4, one percentage point ahead of last year but 1 point behind average. Twenty-one percent of the nation's sorghum acreage was rated in good to excellent condition on September 4, unchanged from the previous week but 36 percentage points below the same time last year.

Rice: Nationally, 24 percent of the rice acreage was harvested by September 4, three percentage points behind the previous year and 4 points behind the 5-year average. On September 4, seventy-two percent of the nation's rice acreage was rated in good to excellent condition, 2 percentage points above the previous week but 3 points below the same time last year.

Small Grains: Ninety percent of the nation's oat acreage had been harvested by September 4, six percentage points behind last year and 3 points behind the 5-year average. Oat harvest advanced at least 15 percentage points during the week in North Dakota and Pennsylvania.

By September 4, producers had harvested 77 percent of the nation's barley crop, 14 percentage points behind last year and 9 points behind the 5-year average. Harvest progress was behind the 5-year average in all five estimating states.

By September 4, seventy-one percent of the nation's spring wheat had been harvested, 23 percentage points behind the previous year and 12 points behind the 5-year average. During the week, harvest progress advanced 12 percentage points or more in five of the six estimating states.

Other Crops: On September 4, seventy percent of the nation's peanut acreage was rated in good to excellent condition, 1 percentage point above the previous week but 4 points below the same time last year.

Crop Progress and Condition

Week Ending September 4, 2022

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

Corn Percent Dough

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
CO	94	63	75	88
IL	95	85	88	95
IN	96	88	94	92
IA	97	92	96	94
KS	94	85	92	95
KY	83	81	88	90
MI	93	85	92	82
MN	97	83	92	95
MO	96	95	96	97
NE	96	89	95	96
NC	100	96	98	99
ND	93	77	88	89
OH	92	85	92	88
PA	79	68	75	77
SD	96	84	92	92
TN	100	97	100	99
TX	98	94	98	97
WI	90	75	86	83
18 Sts	94	86	92	93

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

Corn Percent Dented

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
CO	40	30	40	43
IL	80	46	64	74
IN	70	37	55	62
IA	75	52	71	69
KS	74	61	74	77
KY	71	69	75	79
MI	57	35	51	47
MN	68	23	47	61
MO	82	73	87	84
NE	76	59	74	73
NC	97	86	92	94
ND	60	18	45	46
OH	70	35	48	54
PA	38	22	40	46
SD	64	36	55	56
TN	89	80	87	90
TX	88	84	88	89
WI	62	24	44	48
18 Sts	72	46	63	67

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

Corn Percent Mature

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
CO	9	0	1	5
IL	26	3	11	21
IN	14	2	9	15
IA	13	3	10	12
KS	24	24	38	29
KY	41	22	40	51
MI	4	4	8	4
MN	16	0	1	9
MO	28	15	31	27
NE	17	8	19	13
NC	84	62	78	83
ND	11	0	1	7
OH	9	2	5	8
PA	1	1	2	5
SD	17	0	11	11
TN	36	28	42	49
TX	65	72	75	65
WI	6	0	1	6
18 Sts	19	8	15	18

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

Corn Condition by Percent

	VP	P	F	G	EX
CO	23	24	29	19	5
IL	4	4	21	51	20
IN	4	9	33	47	7
IA	2	7	25	52	14
KS	27	24	27	19	3
KY	11	20	36	27	6
MI	1	4	29	53	13
MN	2	5	31	49	13
MO	10	16	24	44	6
NE	17	16	28	29	10
NC	20	22	25	29	4
ND	1	5	33	51	10
OH	5	10	27	51	7
PA	7	13	23	47	10
SD	9	14	29	42	6
TN	13	21	32	32	2
TX	29	23	31	14	3
WI	1	4	17	56	22
18 Sts	8	11	27	43	11
Prev Wk	8	11	27	42	12
Prev Yr	4	10	27	45	14

Rice Percent Harvested

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
AR	16	4	11	17
CA	3	0	0	1
LA	79	67	75	83
MS	16	2	23	28
MO	6	0	0	3
TX	82	77	81	83
6 Sts	27	18	24	28

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

Rice Condition by Percent

	VP	P	F	G	EX
AR	1	3	23	54	19
CA	0	0	25	60	15
LA	0	3	10	80	7
MS	0	5	34	51	10
MO	3	5	37	43	12
TX	0	1	48	29	22
6 Sts	1	3	24	56	16
Prev Wk	1	3	26	53	17
Prev Yr	1	3	21	60	15

Crop Progress and Condition

Week Ending September 4, 2022

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

Soybeans Percent Setting Pods

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
AR	98	96	98	98
IL	96	86	89	96
IN	97	90	95	94
IA	99	95	97	97
KS	85	78	85	90
KY	87	84	89	87
LA	100	100	100	100
MI	100	98	100	94
MN	100	95	98	99
MS	97	97	98	98
MO	87	77	84	89
NE	100	98	100	98
NC	92	93	96	89
ND	98	95	98	98
OH	92	92	94	95
SD	99	92	97	96
TN	94	92	95	94
WI	97	91	95	94
18 Sts	96	91	94	96

These 18 States planted 96% of last year's soybean acreage.

Soybeans Percent Dropping Leaves

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
AR	20	13	19	23
IL	8	0	4	7
IN	17	2	10	15
IA	9	0	2	7
KS	11	3	14	11
KY	9	4	10	11
LA	41	55	68	56
MI	19	5	20	12
MN	23	0	0	10
MS	34	23	35	38
MO	4	0	3	3
NE	19	10	25	17
NC	10	4	17	10
ND	41	4	18	31
OH	9	2	5	10
SD	35	6	12	24
TN	15	8	15	15
WI	5	0	0	4
18 Sts	17	4	10	14

These 18 States planted 96% of last year's soybean acreage.

Soybean Condition by Percent

	VP	P	F	G	EX
AR	3	8	25	50	14
IL	5	5	23	50	17
IN	3	9	32	49	7
IA	1	7	26	53	13
KS	20	24	31	23	2
KY	3	11	36	40	10
LA	11	20	31	38	0
MI	1	4	29	51	15
MN	1	5	30	53	11
MS	1	14	29	45	11
MO	6	11	33	42	8
NE	12	16	31	33	8
NC	2	7	28	57	6
ND	1	5	39	46	9
OH	5	11	27	49	8
SD	5	13	31	48	3
TN	1	9	30	51	9
WI	0	4	18	56	22
18 Sts	5	9	29	47	10
Prev Wk	4	9	30	46	11
Prev Yr	4	10	29	46	11

Cotton Percent Setting Bolls

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
AL	99	98	99	99
AZ	100	97	100	100
AR	100	100	100	100
CA	100	90	95	89
GA	97	95	97	98
KS	92	99	100	87
LA	100	100	100	100
MS	94	94	95	97
MO	98	94	98	97
NC	96	95	98	96
OK	88	90	95	93
SC	99	95	98	96
TN	99	97	100	100
TX	90	92	96	95
VA	93	100	100	96
15 Sts	93	94	97	96

These 15 States planted 99% of last year's cotton acreage.

Cotton Percent Bolls Opening

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
AL	19	19	34	35
AZ	86	55	70	76
AR	33	22	41	47
CA	27	5	10	13
GA	32	21	38	36
KS	26	21	28	17
LA	57	53	77	68
MS	53	25	44	43
MO	16	10	17	28
NC	20	14	32	26
OK	14	5	18	20
SC	16	17	33	25
TN	7	13	26	22
TX	27	35	41	30
VA	15	34	43	24
15 Sts	28	28	39	32

These 15 States planted 99% of last year's cotton acreage.

Cotton Condition by Percent

	VP	P	F	G	EX
AL	0	1	23	70	6
AZ	0	0	5	49	46
AR	3	5	18	46	28
CA	0	0	10	90	0
GA	1	6	27	54	12
KS	14	32	37	15	2
LA	6	18	34	42	0
MS	1	9	30	55	5
MO	9	9	30	52	0
NC	1	5	20	66	8
OK	39	18	34	9	0
SC	1	3	22	56	18
TN	7	9	29	49	6
TX	22	23	38	15	2
VA	0	0	15	75	10
15 Sts	15	16	34	30	5
Prev Wk	17	19	30	29	5
Prev Yr	1	6	32	50	11

Crop Progress and Condition

Week Ending September 4, 2022

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

Sorghum Percent Headed

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
CO	98	98	99	95
KS	96	80	86	96
NE	100	85	95	99
OK	92	85	91	93
SD	99	98	99	97
TX	100	99	100	98
6 Sts	98	88	92	97

These 6 States planted 100% of last year's sorghum acreage.

Sorghum Percent Coloring

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
CO	72	40	58	52
KS	62	25	42	57
NE	78	33	57	67
OK	57	55	60	57
SD	77	35	73	60
TX	88	90	95	87
6 Sts	71	48	62	67

These 6 States planted 100% of last year's sorghum acreage.

Sorghum Percent Mature

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
CO	18	0	0	7
KS	10	0	4	6
NE	5	1	5	6
OK	13	6	15	19
SD	20	10	27	8
TX	77	75	80	76
6 Sts	31	23	28	29

These 6 States planted 100% of last year's sorghum acreage.

Sorghum Percent Harvested

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
CO	0	0	0	0
KS	0	0	1	0
NE	0	0	0	0
OK	0	0	1	2
SD	0	0	0	0
TX	66	62	68	67
6 Sts	19	18	20	21

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

Sorghum Condition by Percent

	VP	P	F	G	EX
CO	4	10	43	43	0
KS	20	29	32	18	1
NE	35	27	18	16	4
OK	18	32	30	20	0
SD	6	22	40	32	0
TX	13	29	41	16	1
6 Sts	17	28	34	20	1
Prev Wk	16	28	35	19	2
Prev Yr	3	10	30	47	10

Peanut Condition by Percent

	VP	P	F	G	EX
AL	0	0	15	75	10
FL	0	0	22	72	6
GA	1	5	23	57	14
NC	1	4	24	64	7
OK	0	0	32	68	0
SC	0	1	19	63	17
TX	1	14	51	33	1
VA	0	0	6	80	14
8 Sts	1	4	25	59	11
Prev Wk	1	4	26	59	10
Prev Yr	0	2	24	64	10

Oats Percent Harvested

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
IA	100	93	96	100
MN	100	76	82	94
NE	100	100	100	100
ND	91	49	76	84
OH	100	99	100	100
PA	93	80	95	89
SD	100	92	95	98
TX	100	100	100	100
WI	92	82	91	87
9 Sts	96	80	90	93

These 9 States harvested 69% of last year's oat acreage.

Spring Wheat Percent Harvested

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
ID	89	50	74	83
MN	100	44	57	90
MT	94	75	87	80
ND	93	34	62	80
SD	100	92	97	95
WA	96	61	77	83
6 Sts	94	50	71	83

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

Barley Percent Harvested

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
ID	91	56	78	89
MN	100	50	59	97
MT	88	75	80	81
ND	95	48	74	87
WA	96	59	76	83
5 Sts	91	62	77	86

These 5 States harvested 85% of last year's barley acreage.

Crop Progress and Condition

Week Ending September 4, 2022

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

Winter Wheat Percent Planted

	Prev Year	Prev Week	Sep 4 2022	5-Yr Avg
AR	0	NA	0	0
CA	0	NA	0	0
CO	21	1	13	9
ID	8	NA	1	4
IL	0	NA	0	0
IN	0	NA	0	0
KS	0	NA	0	1
MI	0	NA	0	0
MO	0	NA	0	0
MT	3	2	4	2
NE	1	NA	1	2
NC	0	NA	0	0
OH	0	NA	0	0
OK	0	NA	5	0
OR	3	NA	3	4
SD	3	NA	2	2
TX	1	NA	3	1
WA	33	NA	7	20
18 Sts	5	NA	3	3

These 18 States planted 89% of last year's winter wheat acreage.

Pasture and Range Condition by Percent
Week Ending Sep 4, 2022

	VP	P	F	G	EX			VP	P	F	G	EX
AL	0	2	24	73	1		NH	0	0	35	59	6
AZ	0	8	43	29	20		NJ	10	51	27	12	0
AR	7	29	34	27	3		NM	3	24	32	30	11
CA	15	40	30	15	0		NY	8	25	31	29	7
CO	15	20	22	30	13		NC	1	3	32	62	2
CT	0	100	0	0	0		ND	1	9	37	48	5
DE	6	41	44	6	3		OH	1	6	22	64	7
FL	0	1	17	55	27		OK	30	37	24	9	0
GA	2	7	32	51	8		OR	16	25	36	21	2
ID	6	24	31	25	14		PA	19	25	30	26	0
IL	8	11	35	40	6		RI	50	50	0	0	0
IN	5	12	36	43	4		SC	3	8	35	49	5
IA	13	25	30	26	6		SD	27	33	26	13	1
KS	36	32	23	9	0		TN	2	11	34	48	5
KY	2	12	38	38	10		TX	30	21	29	17	3
LA	3	6	36	45	10		UT	8	23	36	33	0
ME	0	0	0	100	0		VT	1	19	31	46	3
MD	0	15	36	43	6		VA	1	13	34	45	7
MA	20	80	0	0	0		WA	4	13	33	48	2
MI	5	21	31	37	6		WV	1	8	18	71	2
MN	3	9	29	47	12		WI	1	6	22	57	14
MS	2	12	32	50	4		WY	15	20	34	30	1
MO	9	15	41	33	2		48 Sts	19	23	30	23	5
MT	17	26	36	21	0							
NE	50	28	15	6	1		Prev Wk	22	24	29	21	4
NV	20	20	50	10	0		Prev Yr	20	21	30	24	5

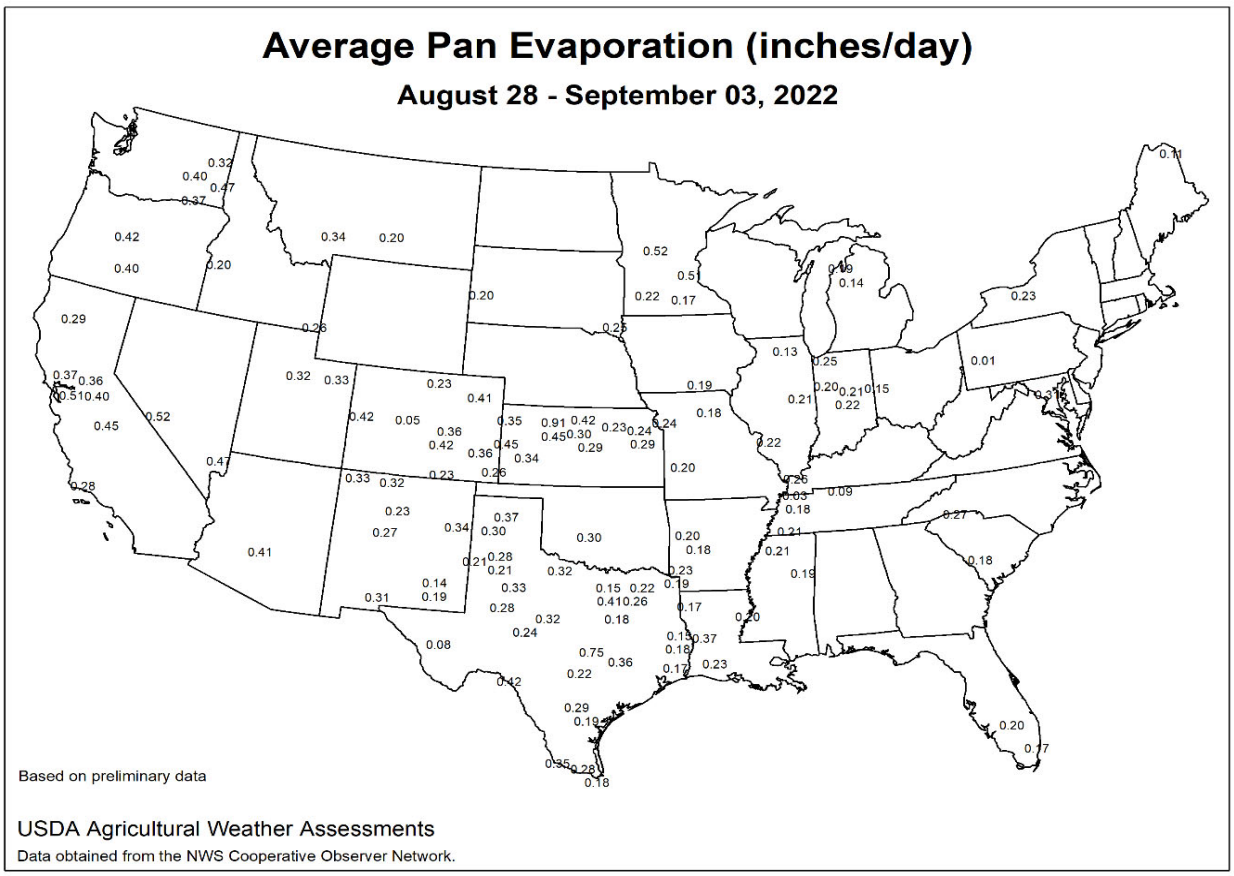
VP - Very Poor; **P - Poor;** **F - Fair;** **G - Good;** **EX - Excellent**

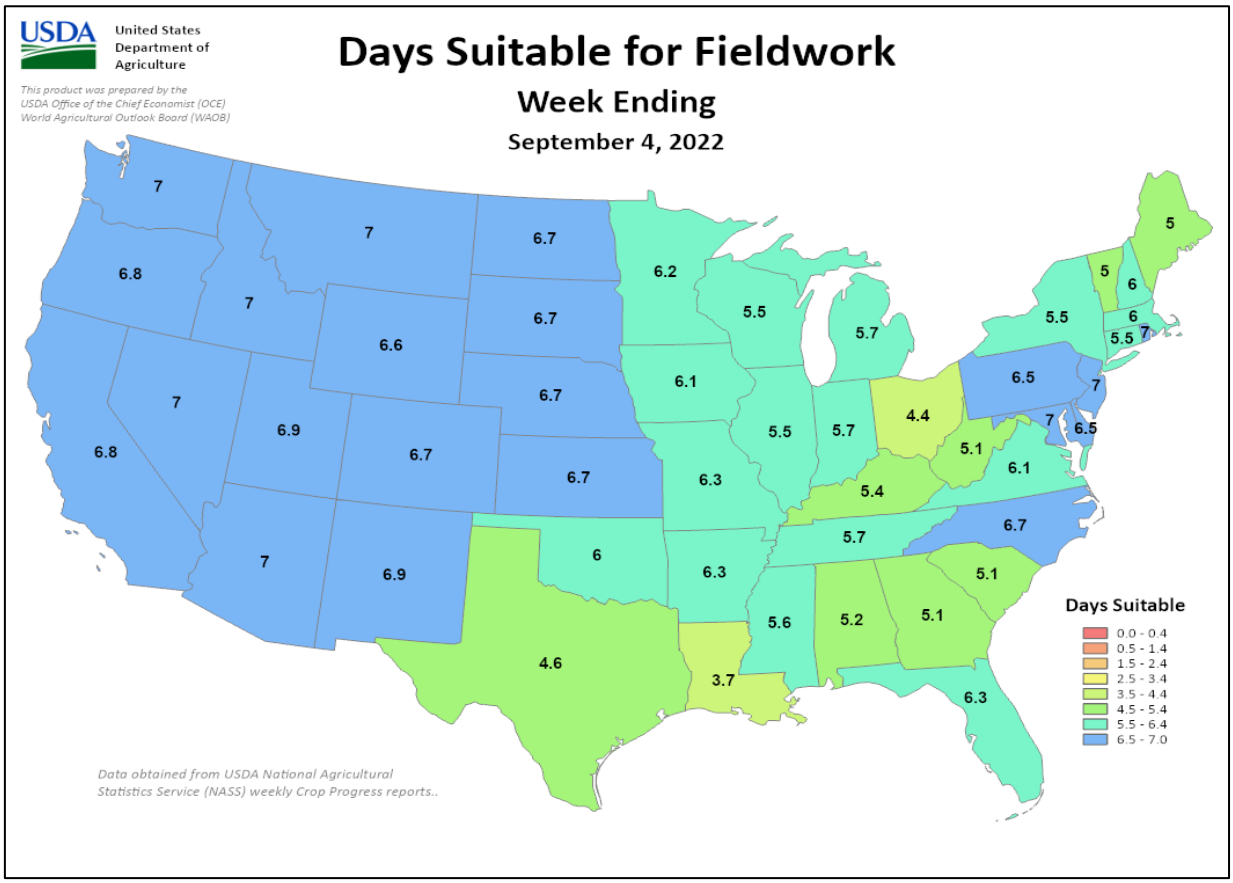
NA - Not Available; ***Revised**

Crop Progress and Condition

Week Ending September 4, 2022

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

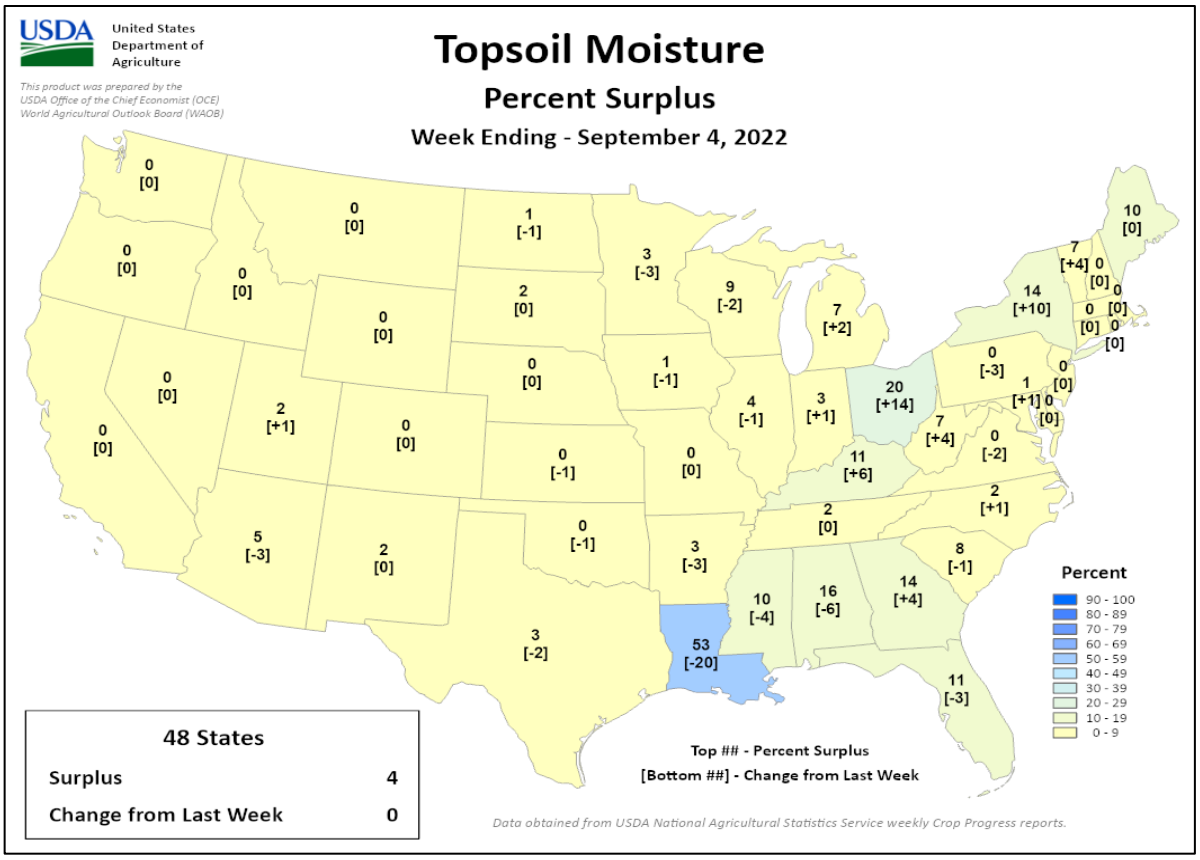


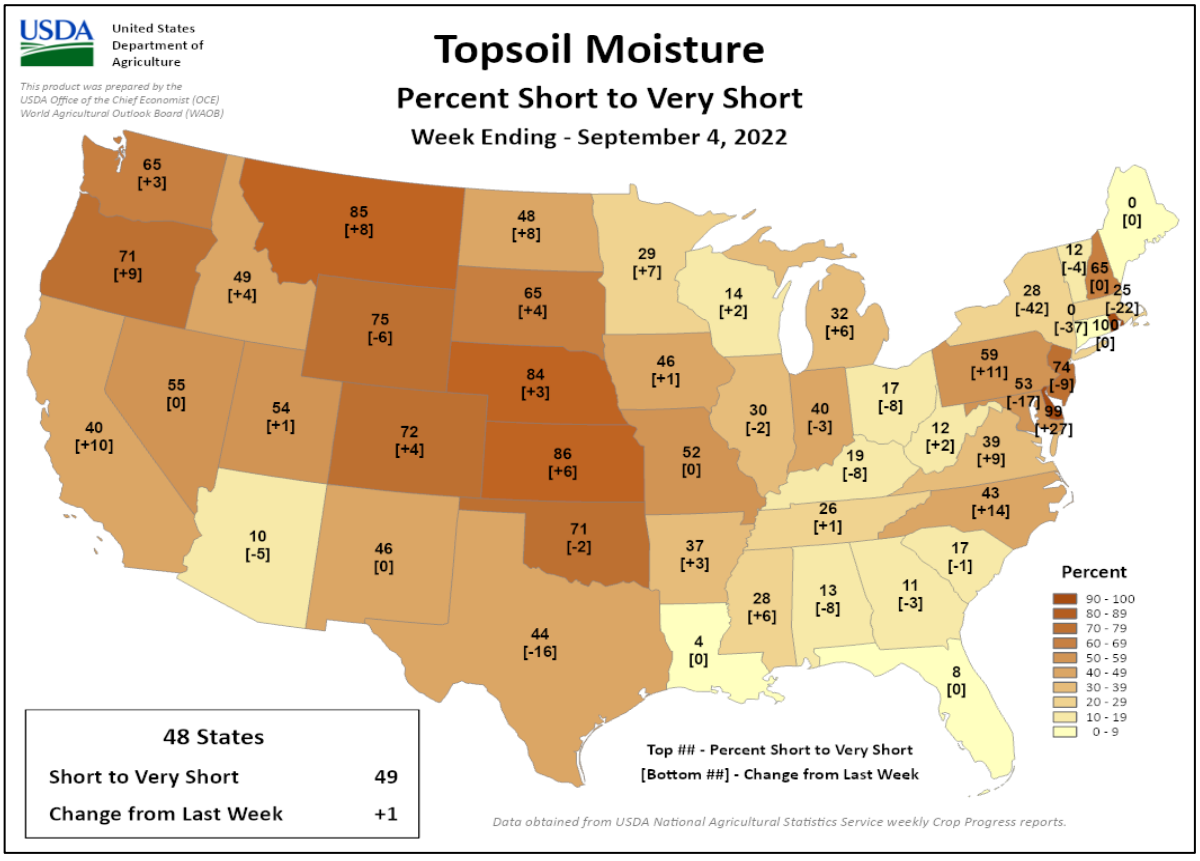


Crop Progress and Condition

Week Ending September 4, 2022

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

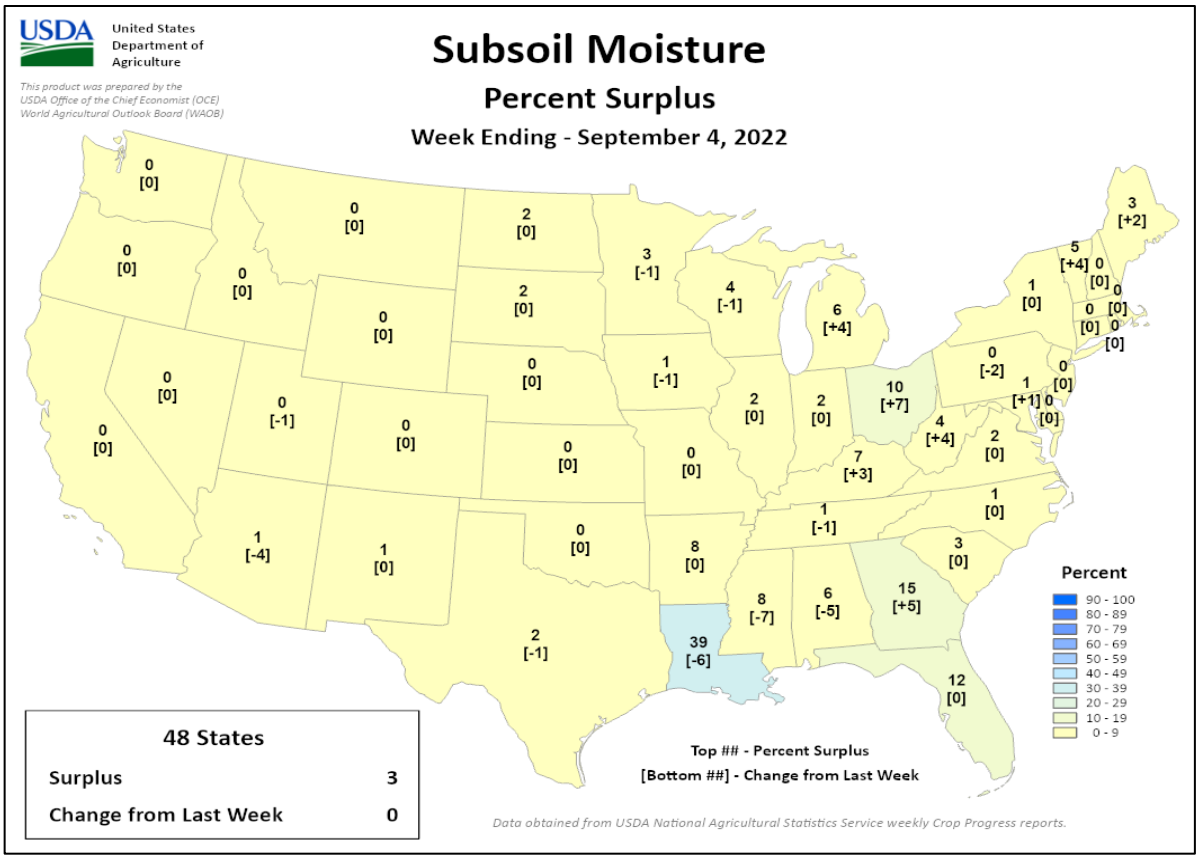


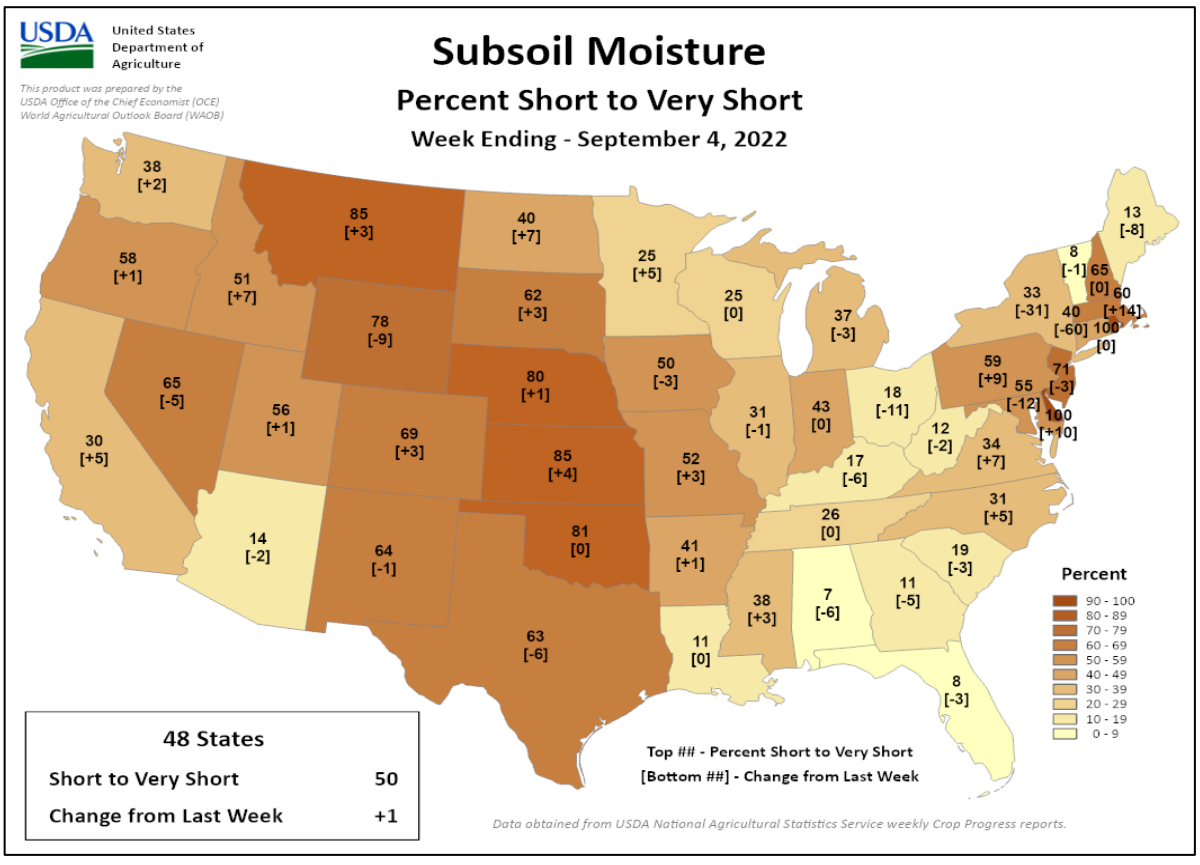


Crop Progress and Condition

Week Ending September 4, 2022

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





International Weather and Crop Summary

August 28 - September 3, 2022

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

EUROPE: Much-needed, locally heavy rain eased dryness concerns in France and further boosted moisture reserves for winter crops over southeastern Europe.

WESTERN FSU: Warm, mostly dry weather accelerated summer crop harvesting and other seasonal fieldwork.

MIDDLE EAST: Seasonably dry weather over much of Turkey promoted summer crop harvesting, though lingering showers in the northwest caused some fieldwork delays.

SOUTH ASIA: Drier weather eased historic flooding in southern Pakistan.

EAST ASIA: Showers and cooler weather eased extreme drought in portions of southern China.

SOUTHEAST ASIA: Downpours in the northwestern Philippines boosted long-term irrigation supplies and maintained favorable moisture for rice.

AUSTRALIA: Rain in the east maintained abundant soil moisture for reproductive winter crops.

ARGENTINA: Showers returned to the northeast, but dryness continued in southern and northwestern farming areas.

BRAZIL: Showers returned to southern wheat areas.

MEXICO: Locally heavy showers overspread northern Mexico.

CANADIAN PRAIRIES: Conditions favored maturation and harvesting of spring crops.

SOUTHEASTERN CANADA: Showers benefited immature summer crops across the region.

August 2022

COUNTRY	CITY	TEMPERATURE (C)						PRECIP. (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	34	21	43	16	28	1.6	0	-5
	BATNA	36	18	41	14	27	0.8	9	-9
ARGENT	IGUAZU	24	12	32	0	18	-0.9	279	188
	FORMOSA	26	11	37	0	18	0.5	9	-37
	CERES	22	8	34	-2	15	0.5	44	28
	CORDOBA	21	5	32	-2	13	1.3	19	12
	RIO CUARTO	20	5	27	-1	12	1.2	72	57
	ROSARIO	21	5	29	-6	13	0.8	0	-30
	BUENOS AIRES	18	6	27	-1	12	0.5	3	-44
	SANTA ROSA	18	4	25	-4	11	1.4	15	-12
	TRES ARROYOS	16	4	24	-1	10	1.2	19	-25
AUSTRA	DARWIN	32	21	34	16	26	0.5	0	-3
	BRISBANE	21	11	23	5	16	0	13	-28
	PERTH	18	8	23	3	13	-0.1	125	8
	CEDUNA	18	7	27	0	12	-0.5	33	2
	ADELAIDE	15	10	23	5	12	0.5	61	7
	MELBOURNE	15	8	20	1	11	1	53	12
	WAGGA	14	6	19	-1	10	1.1	51	-1
	CANBERRA	13	4	18	-5	8	1.4	80	33
AUSTRI	VIENNA	28	17	36	13	22	1.8	39	-32
	INNSBRUCK	27	14	33	9	20	2.6	104	-8
BAHAMA	NASSAU	33	23	34	0	28	-0.6	125	-88
BARBAD	BRIDGETOWN	31	26	32	24	28	1.1	143	-8
BELARU	MINSK	27	14	33	9	21	3.4	12	-55
BERMUD	ST GEORGES	31	26	32	24	29	0.9	151	2
BOLIVI	LA PAZ	16	-4	19	-13	6	0	5	-8
BRAZIL	FORTALEZA	31	24	33	22	27	0.2	5	******
	RECIFE	28	22	29	21	25	-0.9	77	-69
	CAMPO GRANDE	28	17	34	8	22	-1.6	386	333
	FRANCA	27	15	31	5	21	0.2	17	-15
	RIO DE JANEI	26	18	36	13	22	-0.8	27	-8
	LONDRINA	***	***	33	6	***	*****	116	65
	SANTA MARIA	20	10	32	1	15	-1.4	76	-38
BULGAR	SOFIA	28	15	34	11	22	1	43	-21
BURKIN	OUAGADOUGOU	31	24	34	20	27	0.7	269	68
CANADA	LETHBRIDGE	30	11	35	0	21	2.8	59	******
	REGINA	27	12	34	4	20	2	19	-37
	WINNIPEG	26	16	30	11	21	0.6	138	72
	TORONTO	28	17	34	13	22	2.3	80	6
	MONTREAL	26	17	32	12	22	1.4	99	8
	PRINCE ALBER	26	11	33	5	18	1.6	42	-16
	CALGARY	27	13	32	7	20	4.2	30	-28
	VANCOUVER	24	16	28	12	20	1.9	6	-28
CANARY	LAS PALMAS	28	22	32	20	25	0.4	1	0
CHILE	SANTIAGO	17	4	29	-1	10	1.5	14	-29
CHINA	HARBIN	26	17	34	11	21	-0.5	208	98
	HAMI	34	20	41	13	27	2.6	2	-4
	BEIJING	31	22	37	15	26	0.7	149	10
	TIENTSIN	31	22	37	14	26	0	282	157
	LHASA	25	13	28	10	19	3.9	76	-39
	KUNMING	26	18	30	16	22	2.1	309	110
	CHENGCHOW	32	26	38	16	29	3.3	71	-66
	YEHCHANG	35	26	40	19	30	4.3	12	-198
	HANKOW	36	28	40	20	32	4.1	40	-79
	CHUNGKING	40	31	44	20	36	6.3	17	-112
	CHIHKIANG	36	25	40	22	31	3.8	7	-103
	WU HU	36	27	40	20	31	2.9	67	-79
	SHANGHAI	36	28	40	23	32	3.9	53	-145
	NANCHANG	37	29	40	24	33	3.9	0	-114
	TAIPEI	34	27	37	0	30	0.6	112	-207
	CANTON	33	25	38	23	29	1.8	219	-13
	NANNING	33	25	37	23	29	1.5	94	-86
COLOMB	BOGOTA	19	8	22	4	14	0.5	97	52
COTE D	ABIDJAN	28	23	29	21	25	0.2	31	-9
CUBA	CAMAGUEY	33	24	35	21	28	0.5	130	******
CYPRUS	LARNACA	33	23	36	21	28	0.4	0	0
CZECHR	PRAGUE	25	15	34	11	20	2.1	75	10
DENMAR	COPENHAGEN	24	15	29	9	20	2.2	61	-2
EGYPT	CAIRO	35	25	40	24	30	0.8	0	******
	ASWAN	43	29	45	27	36	1.6	0	0

Based on Preliminary Reports

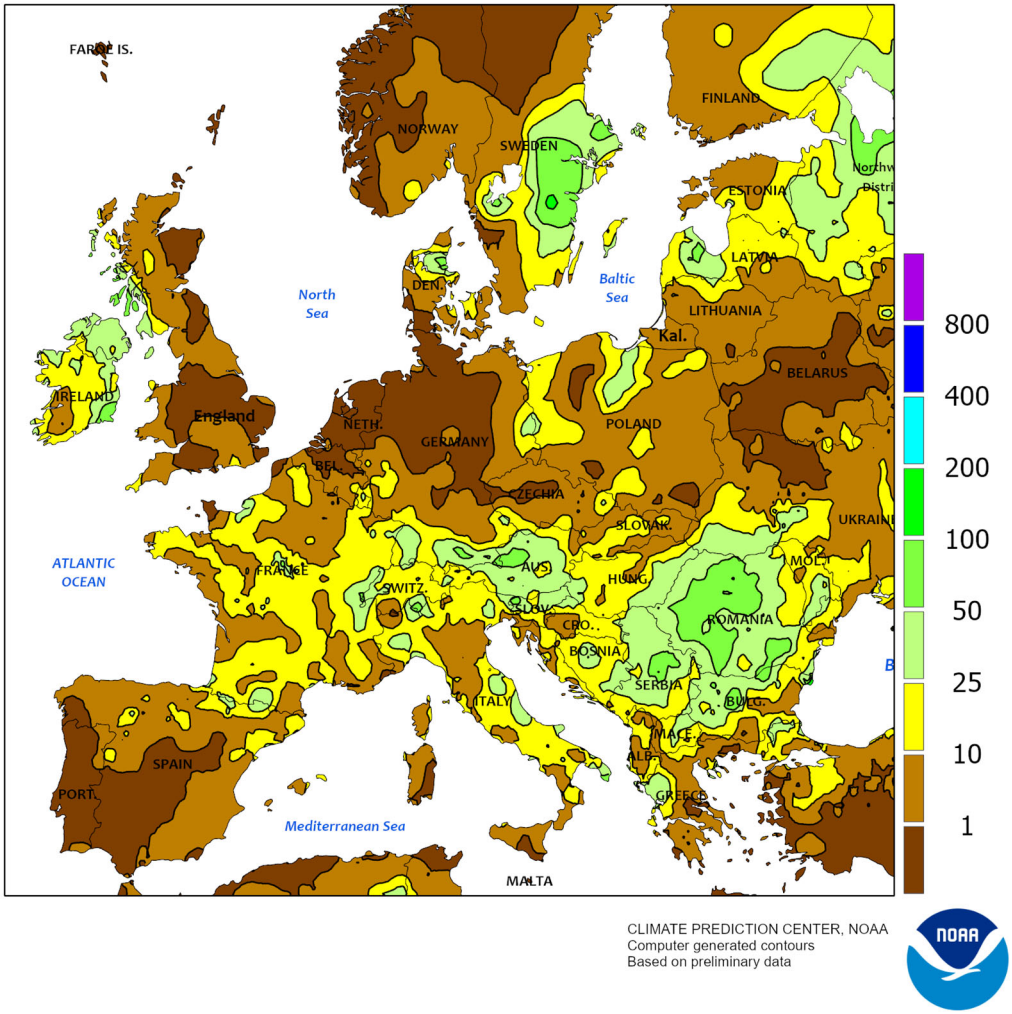
August 2022

COUNTRY	CITY	TEMPERATURE (C)						PRECIP. (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ESTONI	TALLINN	25	15	33	0	20	4.1	14	-72
ETHIOP	ADDIS ABABA	***	***	23	11	***	*****	*****	******
F GUIA	CAYENNE	32	21	34	0	27	0.4	196	53
FIJI	NAUSORI	28	21	31	17	25	2.1	134	-2
FINLAN	HELSINKI	24	13	30	6	19	3.0	6	-73
FRANCE	PARIS/ORLY	29	17	36	13	23	3.2	57	5
	STRASBOURG	30	16	38	12	23	3.7	38	-24
	BOURGES	30	17	36	13	23	3.4	37	-17
	BORDEAUX	32	19	39	15	25	4.4	25	-31
	TOULOUSE	33	20	40	16	26	4.3	19	-28
	MARSEILLE	33	21	36	18	27	2.4	42	14
GABON	LIBREVILLE	28	23	29	21	25	0.3	10	-8
GERMAN	HAMBURG	27	14	36	7	20	2.9	16	-61
	BERLIN	28	17	37	12	23	3.4	58	-1
	DUSSELDORF	28	15	34	8	22	2.8	21	-49
	LEIPZIG	27	15	36	10	21	2.6	27	-38
	DRESDEN	26	16	36	11	21	2.6	92	8
	STUTTGART	28	15	35	11	21	2.5	62	-2
	NURNBERG	28	14	36	10	21	2.7	79	15
	AUGSBURG	26	13	34	8	20	1.5	71	-16
GREECE	THESSALONIKA	32	22	37	18	27	0.1	32	13
	LARISSA	34	19	38	14	26	-0.2	26	9
	ATHENS	33	25	37	21	29	0.3	36	32
GUADEL	RAIZET	31	24	32	23	28	0.5	248	112
HONGKO	HONG KONG IN	32	27	37	24	30	-0.3	521	******
HUNGAR	BUDAPEST	30	19	37	14	24	3.1	48	-9
ICELAN	REYKJAVIK	13	0	17	0	7	-4.0	96	30
INDIA	AMRITSAR	34	27	36	24	30	0.7	221	44
	NEW DELHI	35	26	38	25	31	0.2	41	-194
	AHMEDABAD	32	26	35	24	29	0.5	209	-59
	INDORE	29	22	32	0	25	-0.1	478	193
	CALCUTTA	33	27	36	25	30	0.7	267	-81
	VERAVAL	30	26	32	24	28	0.2	240	******
	BOMBAY	30	25	32	24	28	0.1	558	******
	POONA	29	22	35	20	25	0.4	188	40
	BEGAMPET	31	23	34	21	27	0.5	92	-124
	VISHAKHAPATN	32	27	40	24	30	1.0	84	-98
	MADRAS	35	26	38	21	30	0.0	220	84
	MANGALORE	28	23	30	22	26	-0.1	824	******
INDONE	SERANG	33	24	34	23	28	0.9	102	52
IRELAN	DUBLIN	21	11	26	7	16	1.5	63	-5
ITALY	MILAN	31	20	36	16	26	1.6	18	-49
	VERONA	31	19	37	15	25	0.2	122	32
	VENICE	30	20	36	17	25	1.6	54	-14
	GENOA	30	23	36	20	26	1.4	55	-1
	ROME	31	20	35	17	26	1.4	13	-8
	NAPLES	32	22	37	18	27	1.2	96	72
JAMAIC	KINGSTON	33	25	35	22	29	0.2	67	-33
JAPAN	SAPPORO	27	20	30	16	23	1.1	235	111
	NAGOYA	33	25	38	23	29	1.2	208	82
	TOKYO	32	25	36	20	28	0.6	121	-47
	YOKOHAMA	31	25	36	20	28	0.8	152	4
	KYOTO	34	26	38	20	30	1.0	265	128
	OSAKA	34	27	36	22	30	1.4	92	0
KAZAKH	KUSTANAY	27	13	35	5	20	1.1	15	-19
	TSELINOGRAD	24	12	31	5	18	-0.8	26	2
	KARAGANDA	24	10	31	3	17	-0.8	4	-24
KENYA	NAIROBI	23	12	29	8	18	-1.2	5	-6
LIBYA	BENGHAZI	33	22	36	21	28	1.4	0	******
LITHUA	KAUNAS	27	15	31	8	21	3.9	44	-34
LUXEMB	LUXEMBOURG	27	16	35	10	22	4.0	36	-40
MALAYS	KUALA LUMPUR	33	24	35	23	29	1.0	234	71
MALI	BAMAKO	31	23	34	21	27	0.3	84	-175
MARSHA	MAJURO	30	26	31	24	28	0.2	241	-50
MARTIN	LAMENTIN	32	24	32	0	28	0.3	302	31
MEXICO	GUADALAJARA	25	17	28	15	21	-0.5	399	******
	TLAXCALA	24	12	26	9	18	0.4	204	109
	ORIZABA	26	17	28	15	22	1.2	664	******
MOROCC	CASABLANCA	27	21	32	18	24	0.5	0	0
	MARRAKECH	39	22	47	18	31	2.2	0	-3

COUNTRY	CITY	TEMPERATURE (C)						PRECIP. (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
MOZAMB	MAPUTO	27	15	34	0	21	0	7	-11
N KORE	PYONGYANG	29	21	32	14	25	-0.5	251	53
NEW CA	NOUMEA	25	19	29	15	22	1.8	61	-8
NIGER	NIAMEY	32	24	36	21	28	-0.1	214	57
NORWAY	OSLO	22	11	28	7	16	1.6	78	-13
NZEALA	AUCKLAND	16	10	21	4	13	1.3	156	58
	WELLINGTON	14	10	18	3	12	1.3	189	99
P RICO	SAN JUAN	32	26	33	23	29	0.2	239	100
PAKIST	KARACHI	32	23	36	0	28	-1.4	178	113
PERU	LIMA	17	14	19	14	16	-1.1	0	******
PHILIP	MANILA	32	25	35	0	28	-0.3	414	-8
PNEWGU	PORT MORESBY	30	22	32	0	26	-0.2	400	374
POLAND	WARSAW	27	17	32	11	22	3.9	29	-36
	LODZ	26	15	33	8	20	2.0	53	-4
	KATOWICE	26	14	32	9	20	1.9	138	64
PORTUG	LISBON	29	18	38	15	23	-0.3	0	-7
ROMANI	BUCHAREST	33	17	36	10	25	3.3	30	-23
RUSSIA	ST.PETERSBUR	25	16	31	10	21	3.8	116	33
	KAZAN	29	17	32	11	23	4.8	0	-58
	MOSCOW	28	16	32	12	22	4.8	4	-79
	YEKATERINBUR	27	15	31	8	21	4.9	23	-48
	OMSK	22	11	30	0	17	-0.3	36	-18
	BARNAUL	24	10	30	0	17	-0.5	16	-28
	KHABAROVSK	25	15	32	8	20	0.1	333	182
	VLADIVOSTOK	24	19	29	12	22	1.6	98	-52
	VOLGOGRAD	34	20	39	16	27	4.5	0	-25
	ASTRAKHAN	34	21	38	17	27	3.4	0	-23
	ORENBURG	31	15	35	8	23	3.6	0	-28
S AFRI	JOHANNESBURG	20	8	25	0	14	1.0	2	-5
	DURBAN	22	15	31	10	19	0.6	15	-30
	CAPE TOWN	18	8	27	2	13	0.4	54	-22
S KORE	SEOUL	29	24	33	16	26	0.5	432	68
SAMOA	PAGO PAGO	29	24	31	19	26	-0.4	160	0
SENEGA	DAKAR	30	26	31	24	28	0.9	270	113
SPAIN	VALLADOLID	33	17	38	11	25	3.2	8	-10
	MADRID	35	20	40	14	27	2.8	0	-13
	SEVILLE	36	21	40	18	28	-0.1	1	******
SWITZE	ZURICH	26	16	35	14	21	3.0	76	-48
	GENEVA	29	16	38	13	23	3.2	47	-31
SYRIA	DAMASCUS	38	20	44	17	29	2.2	0	0
TAHITI	PAPEETE	28	22	30	19	25	-0.6	111	57
TANZAN	DAR ES SALAA	30	19	31	18	25	0.7	10	-14
THAILA	PHITSANULOK	33	25	36	23	29	0.6	396	162
	BANGKOK	33	26	37	24	30	1.0	327	113
TOGO	TABLIGBO	30	22	35	20	26	0.2	*****	******
TRINID	PORT OF SPAI	32	24	34	22	28	0.6	251	0
TUNISI	TUNIS	35	25	45	22	30	2.1	3	-4
TURKEY	ISTANBUL	31	23	34	20	27	1.3	32	10
	ANKARA	32	17	35	14	25	2.9	40	25
TURKME	ASHKHABAD	36	22	40	17	29	1.5	0	-2
UKINGD	ABERDEEN	20	12	30	6	16	1.4	23	-36
	LONDON	27	15	34	0	21	2.8	67	22
UKRAIN	KIEV	27	18	33	16	23	3.1	59	-3
	LVOV	26	14	31	9	20	2.6	68	-7
	KIROVOGRAD	30	18	35	16	24	3.2	91	50
	ODESSA	30	21	36	17	25	2.9	24	-11
UZBEKI	TASHKENT	34	19	38	13	26	0.2	0	-1
VENEZU	CARACAS	***	***	0	***	***	*****	0	-72
YUGOSL	BELGRADE	31	20	39	16	25	2.4	91	34
ZAMBIA	LUSAKA	***	***	31	9	***	*****	*****	******
ZIMBAB	KADOMA	***	***	28	***	***	*****	*****	******

Based on Preliminary Reports

EUROPE
Total Precipitation(mm)
August 28 - September 3, 2022

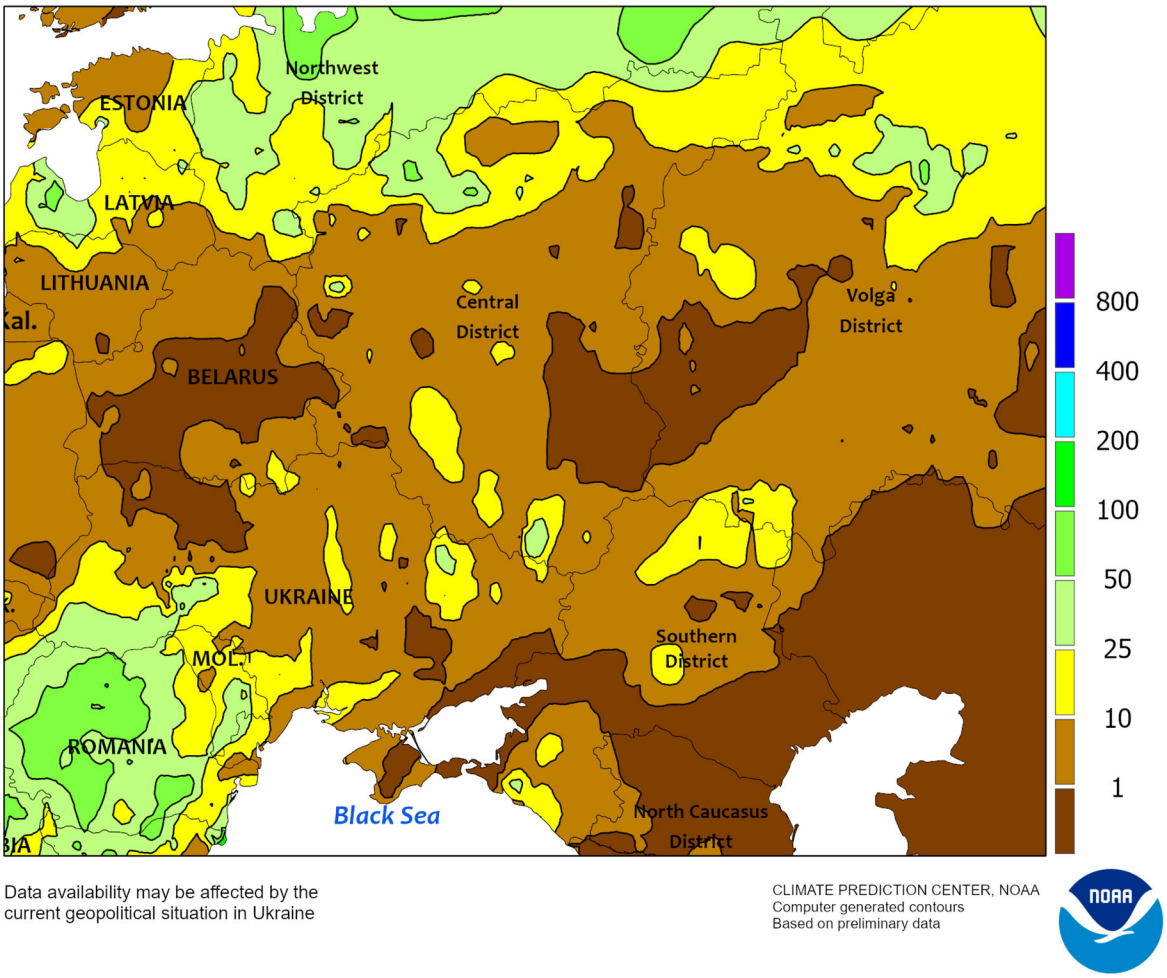


EUROPE

Wet weather from France into the Balkans contrasted with persistent dryness in Spain and Germany. Widespread albeit highly variable showers (1-50 mm) in France and Italy provided much-needed localized soil moisture improvements for winter crop planting and establishment, though a soaking, uniform rainfall is needed to fully break this season's historic drought. Meanwhile, a slow-moving storm produced moderate to heavy rainfall (10-150 mm, locally more) over much of southeastern Europe, halting fieldwork but boosting moisture reserves for winter grain and oilseed emergence. However, the rain mostly bypassed Greece, providing open-boll cotton a welcome respite from recent wet weather. Farther north, moderate to heavy rainfall slowed spring grain and summer crop harvesting in Sweden (25-100 mm), northern Poland (5-45 mm), and the Baltic States (2-40 mm). Conversely, dry weather favored fieldwork in England but exacerbated short-term dryness and drought in central and northern Germany. Light showers in northern Spain (1-10 mm) provided limited drought relief, while dry weather sustained extreme to exceptional drought in central and southern portions of the country.

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

WESTERN FSU
Total Precipitation(mm)
August 28 - September 3, 2022



Data availability may be affected by the current geopolitical situation in Ukraine

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

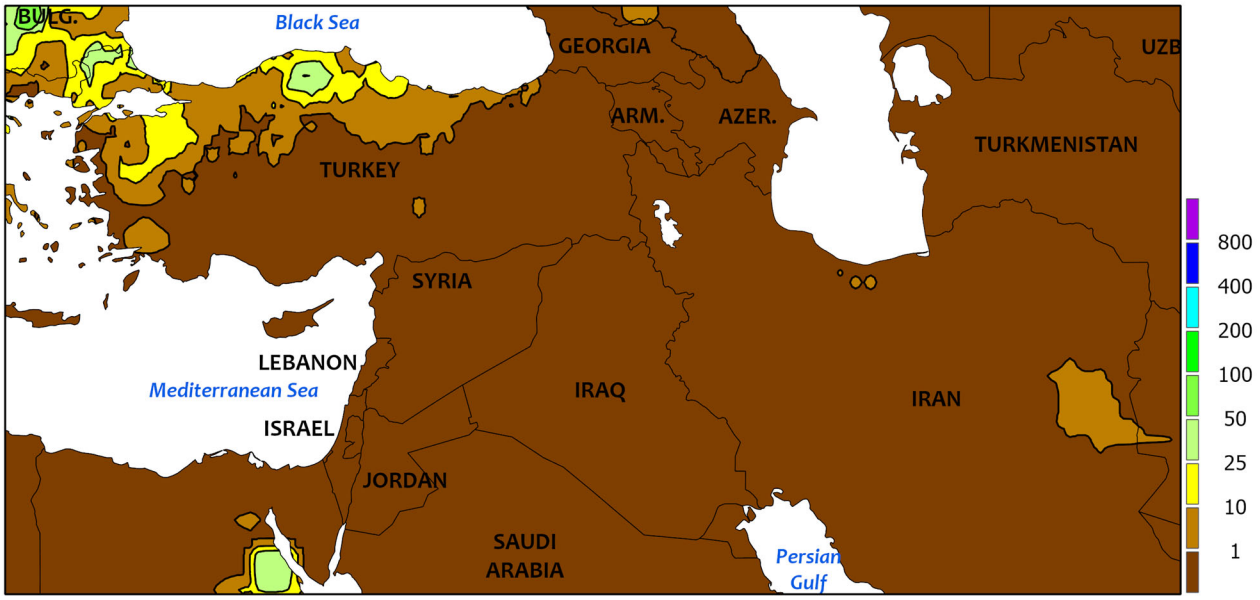
WESTERN FSU

Generally dry and warm weather (1-5°C above normal) prevailed across much of the region. Moderate to heavy rain (10-40 mm) in Moldova and immediate environs improved soil moisture for winter crop planting and establishment. Elsewhere in the region, highly variable showers (1-20 mm) were noted from central Ukraine into western Russia, though most crop areas reported less than 5 mm for the week. Consequently, summer crop drydown and harvesting proceeded with few — if any — delays. However, recent dryness (30-day rainfall locally less than 50 percent of normal) over west-central Russia has reduced soil moisture for winter wheat planting and establishment.

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

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

MIDDLE EAST
Total Precipitation(mm)
August 28 - September 3, 2022



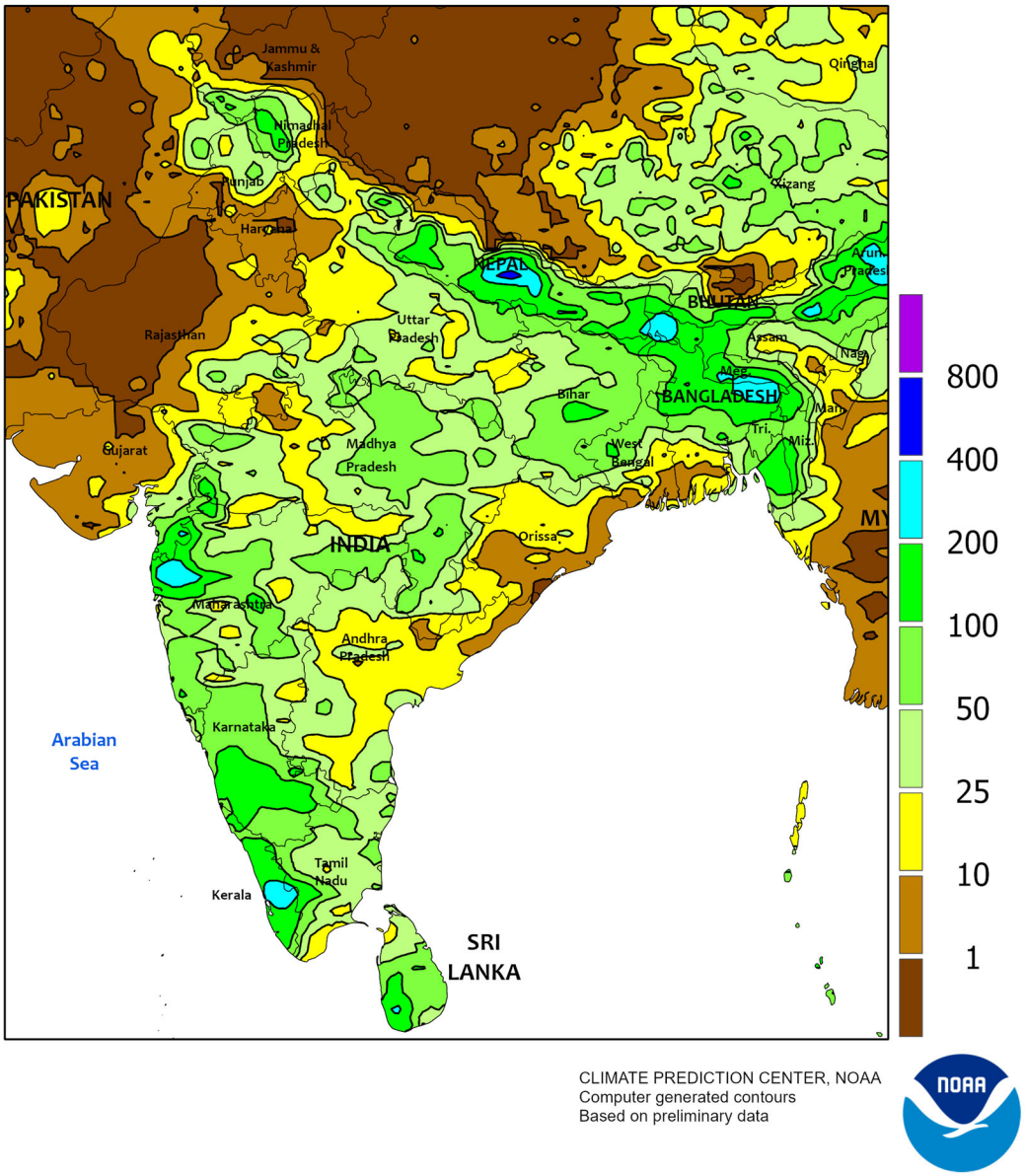
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

MIDDLE EAST

Dry weather over much of Turkey contrasted with lingering showers in northwestern summer crops areas. For the second consecutive week, showers and thunderstorms (2-30 mm) slowed sunflower drydown and harvesting in Marmara (northwestern Turkey), though the rain was not as heavy or widespread as the preceding week. Elsewhere in the country, mostly dry conditions promoted maturation, drydown, and harvesting of cotton, corn, and other summer row crops. Across the rest of the region, agricultural activity remained in a lull before the onset of winter grain sowing in October and November.

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

SOUTH ASIA
Total Precipitation(mm)
August 28 - September 3, 2022

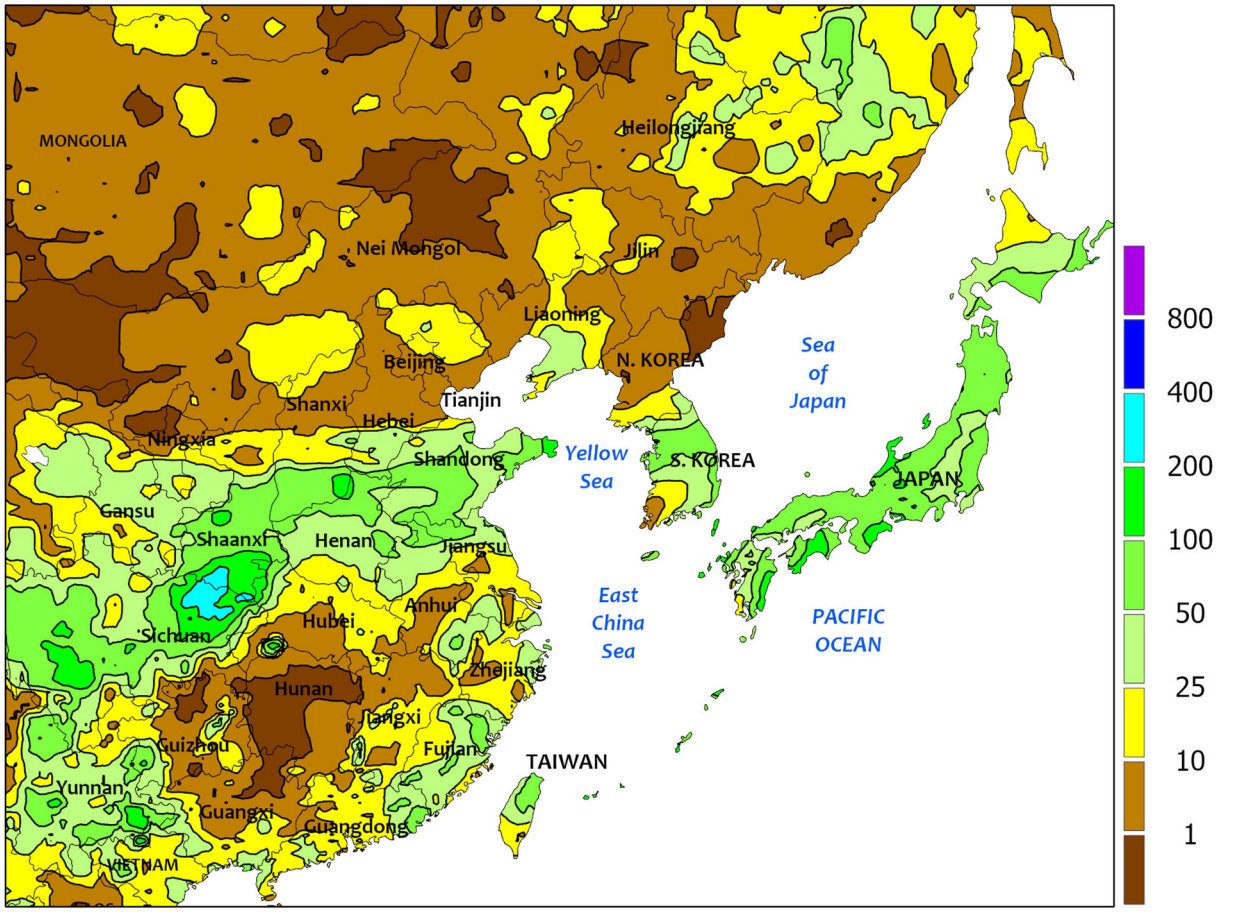


SOUTH ASIA

Drier weather prevailed in Pakistan, helping to ease the historic flooding that has plagued the south since July. However, irreversible damage was already done to cotton and other crops. Meanwhile, rainfall continued across most of India, with many locales recording 25 to 100 mm. The wet weather benefited vegetative to reproductive kharif crops and improved moisture conditions for rice in the northeast (Ganges River Basin) following consistently poor seasonal rainfall; though, sown rice area was nearly 4 percent below last year as of September 2.

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

EASTERN ASIA
Total Precipitation(mm)
August 28 - September 3, 2022



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

EASTERN ASIA

Waves of moisture moved through northern sections of the Yangtze Valley and the North China Plain during the period. Rainfall totals locally surpassed 150 mm, with 25 to 100 mm recorded along a narrow band (amounts were less on the fringes of the band). The rain was likely too late in the season to benefit summer crops that were beginning to mature, but greatly eased extreme drought in some portions of southern China. Along with the showers, much cooler weather moved into the area. Daytime highs in Sichuan dropped from 40°C early in the week to 25°C by mid-week. However, historically hot, dry weather continued in interior areas of the south (Hunan and environs), further reducing yield prospects for reproductive late-crop rice. Meanwhile, somewhat drier weather moved into northeastern China, aiding corn and soybeans that were filling to maturing. Rainfall was at a 30-year high for much of the season in Jilin and Liaoning, and despite some localized flooding, yield prospects for summer crops were excellent. Elsewhere, the waves of moisture moving through northern China crossed into South Korea and into Japan, producing drenching rainfall (25-100 mm) but likely coming too late to benefit rice and other crops beginning to mature.

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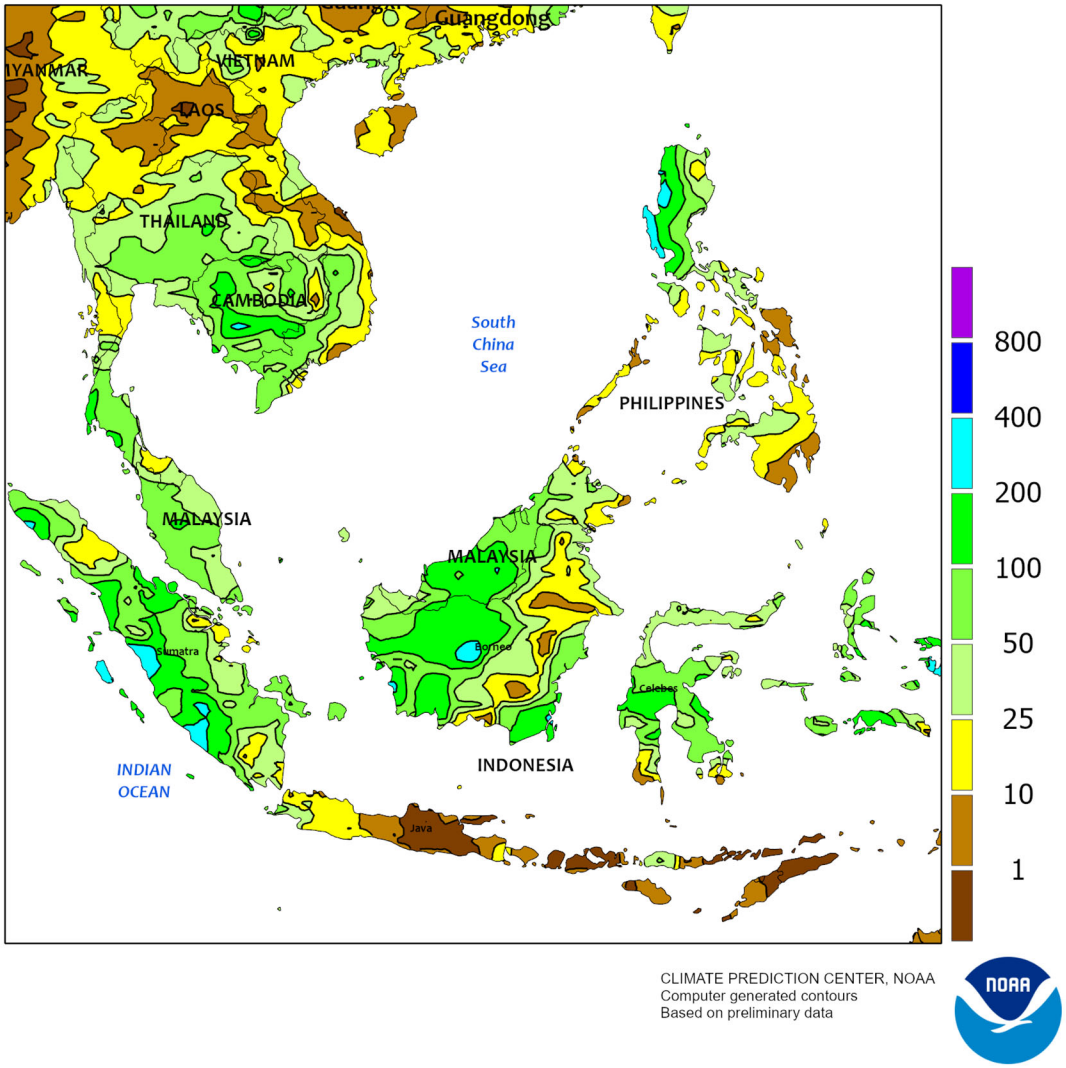
SOUTHEAST ASIA
Total Precipitation(mm)
August 28 - September 3, 2022



SOUTHEAST ASIA

Super Typhoon Hinnamnor (maximum sustained winds of 140 kts on August 30) passed to the north of the Philippines and spawned drenching rainfall (over 150 mm) in western portions of Luzon. The downpours maintained favorable short-term moisture for vegetative to reproductive rice while improving irrigation supplies ahead of the dry winter cropping season; while adequate for the standing crop, rainfall has been consistently below the usually high amounts in western Luzon. Meanwhile, rainfall was lighter than usual (less than 25 mm) in northern Thailand and the surrounding portions of Laos and Vietnam but remained seasonably high (25-100 mm or more) in the remainder of Thailand and Indochina. Moisture conditions continued to be favorable for seasonal rice nearing reproduction. September is typically the wettest month of the year in Thailand and coincides with the majority of rice entering reproduction. Elsewhere, 25 to 100 mm of rain in Malaysia and Indonesia supported oil palm, as the main harvest period is set to begin.

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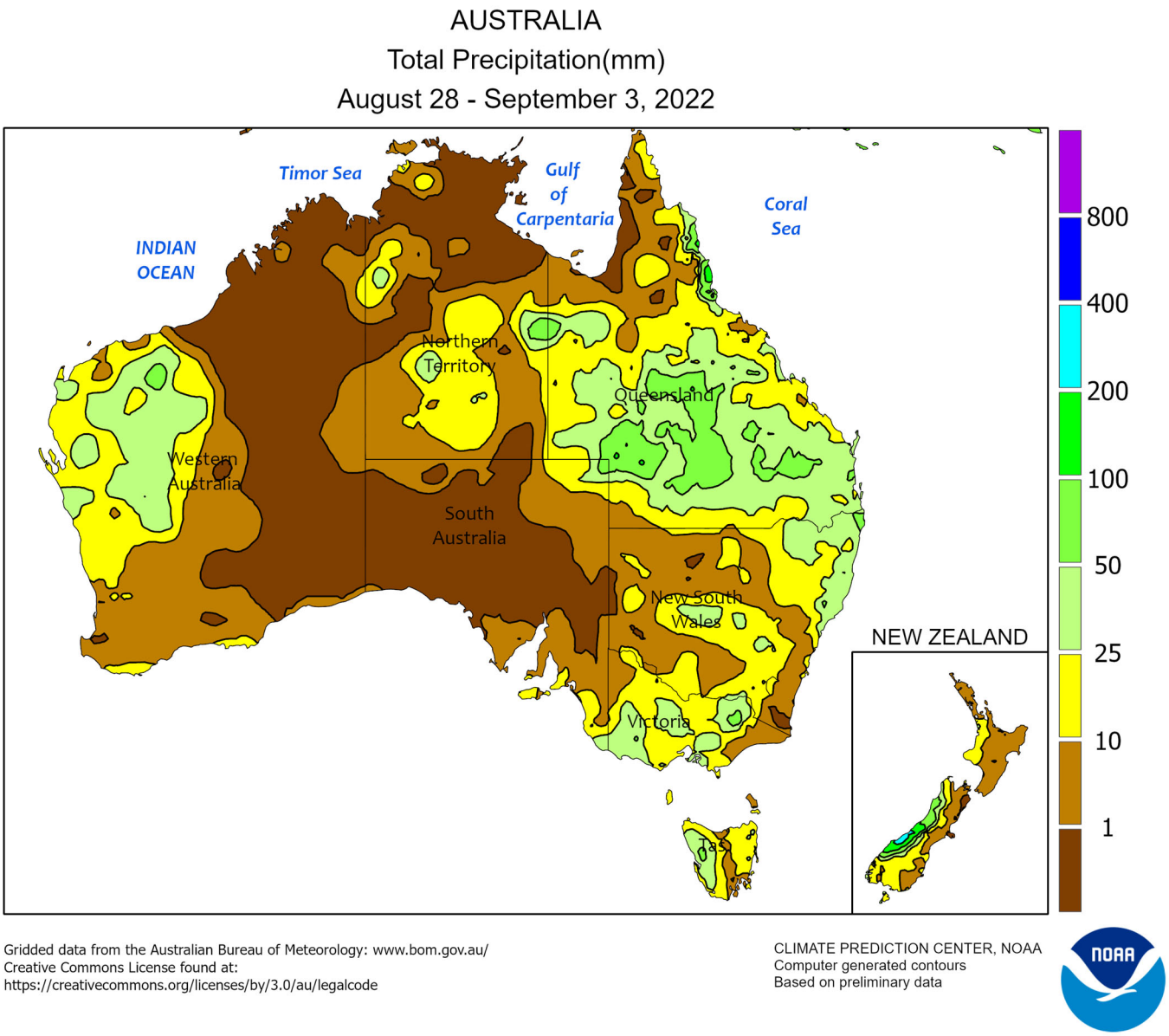

AUSTRALIA

Widespread showers (10-40 mm or more) overspread Victoria, New South Wales, and southern Queensland, maintaining abundant moisture supplies for reproductive winter grains and oilseeds. The rain likely interrupted local fieldwork, however, including preparations for summer crop planting. Showers (1-10 mm) were lighter and more widely scattered in South Australia. Nevertheless, soil moisture remained adequate for wheat, barley, and canola development and periods of sun helped promote crop growth. Elsewhere in the wheat belt, warm, dry weather spurred winter crop development in Western Australia throughout much of the week. Rain (5-20 mm) overspread parts of the state late in the week, sustaining good to excellent crop conditions and yield prospects as winter grains and oilseeds advance through reproduction. Temperatures averaged 1 to 2°C below normal in Western Australia and South Australia, but minimum temperatures remained above freezing in all but a few isolated locations. In eastern Australia, temperatures averaged near to somewhat above normal (up to 2°C above normal), with maximum temperatures ranging from the upper 10s to lower 20s (degrees C).

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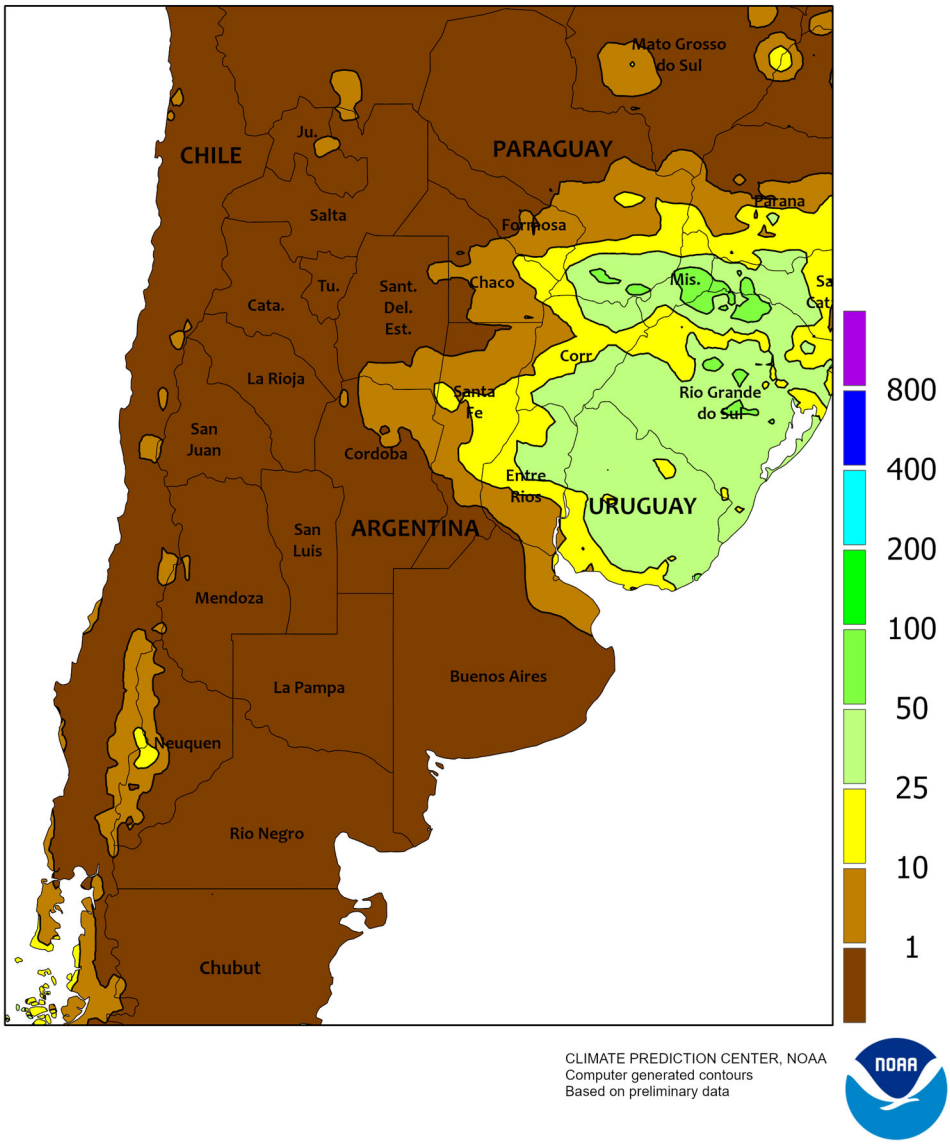
ARGENTINA
Total Precipitation(mm)
August 28 - September 3, 2022

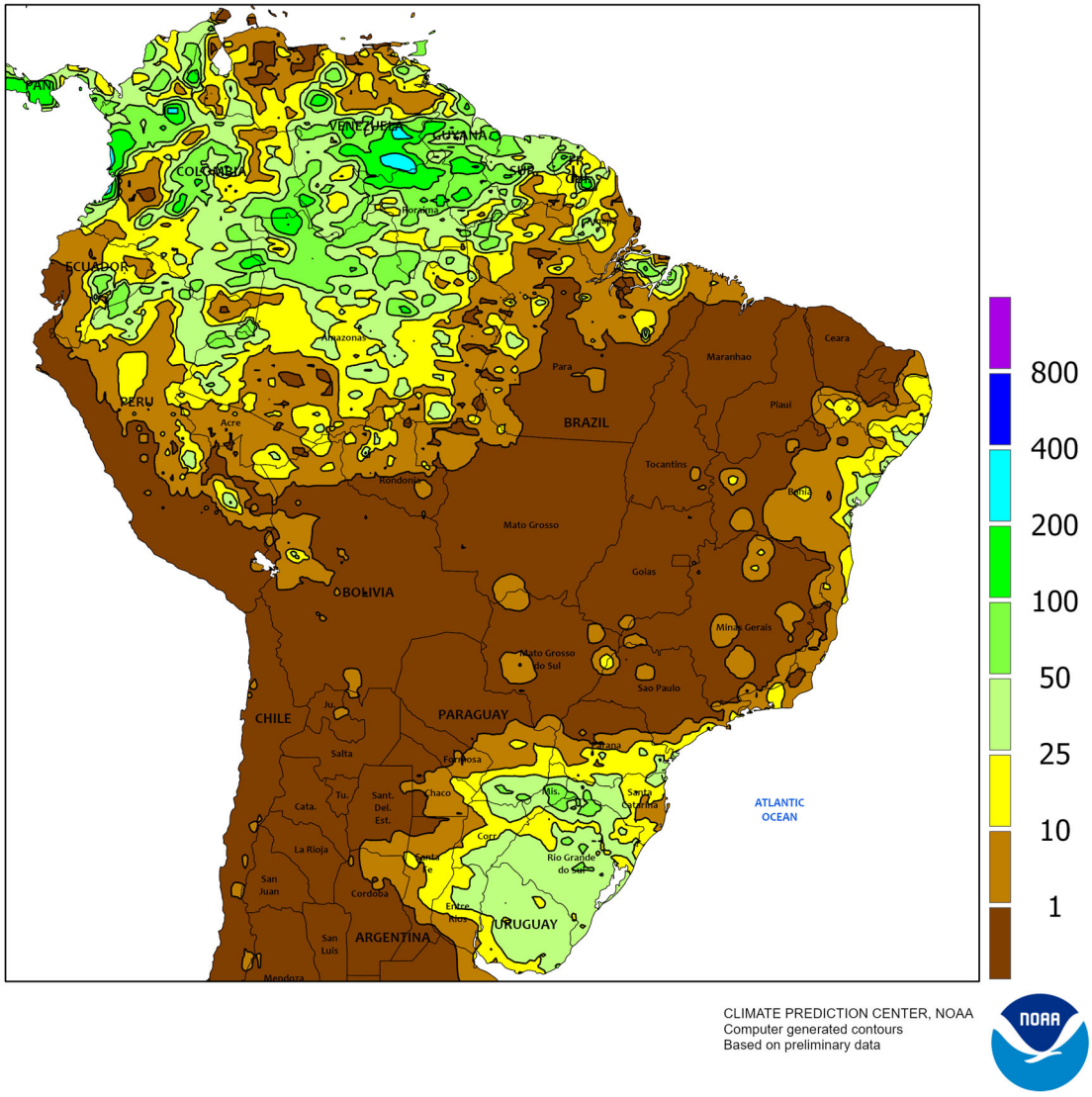


ARGENTINA

Showers returned to parts of the northeast, but dry weather prevailed elsewhere. Rainfall totaling at least 10 mm reached as far south as central portions of Santa Fe and Entre Rios, providing timely moisture for vegetative to reproductive winter grains. Meanwhile, near complete dryness prevailed elsewhere, including key production areas in and around Buenos Aires. Near- to below-normal temperatures slowed winter grain growth throughout the region but freezes likely had little to no impact on northern crops advancing through reproduction.

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

BRAZIL
Total Precipitation(mm)
August 28 - September 3, 2022



BRAZIL

Showers maintained overall favorable levels of moisture for immature wheat in key southern production areas. Rainfall totaled 10 to 25 mm throughout Rio Grande do Sul, with higher amounts (25-50 mm) extending into neighboring locations in Uruguay and Argentina. The moisture was timely for vegetative to filling wheat in those locations. Meanwhile, drier conditions prevailed farther north, where wheat was generally maturing or being harvested. According to the government of Paraná, wheat was 5 percent harvested as of August 29, with 27 percent of the remaining crop mature; meanwhile, second-crop corn was 91 percent harvested.

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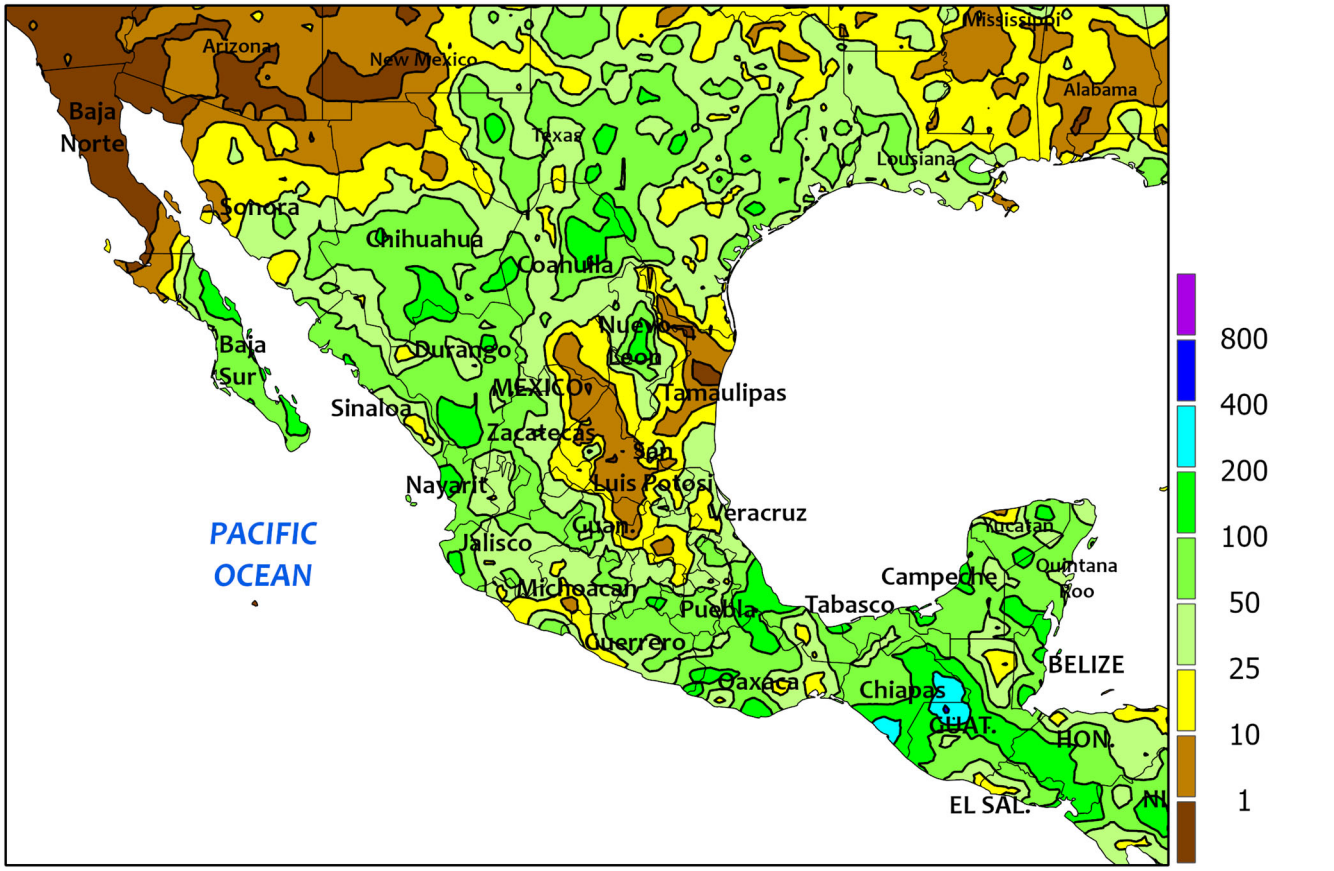
MEXICO
Total Precipitation(mm)
August 28 - September 3, 2022



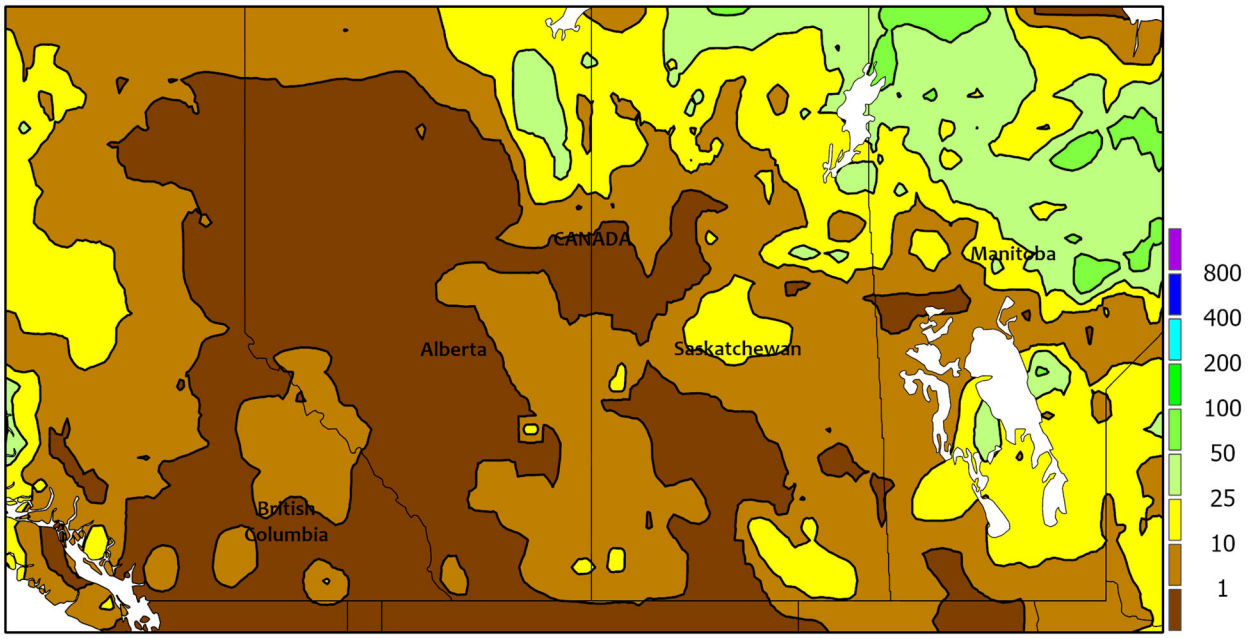
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

MEXICO

Heavy rain overspread previously dry portions of northern Mexico, including irrigated farmlands in climatologically drier interior locations. Rainfall totaled 25 to locally more than 100 mm from the western Pacific Coast northeastward through Chihuahua and Coahuila. The moisture – partly from tropical cyclone activity in the eastern Pacific – was particularly timely for immature cotton in north-central Mexico, which has been managing low reservoir levels for several seasons. Elsewhere, moderate to heavy rain (10-100 mm) maintained overall favorable conditions for corn across the southern Plateau (Jalisco to Puebla), with higher amounts in the southeast (Oaxaca and southern Veracruz eastward). In contrast, patchy dryness lingered over the northeast, including much of San Luis Potosí and Tamaulipas, with highest daytime temperatures reaching the upper 30s (degrees C) near the Rio Grande Valley.

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

CANADIAN PRAIRIES
Total Precipitation(mm)
August 28 - September 3, 2022



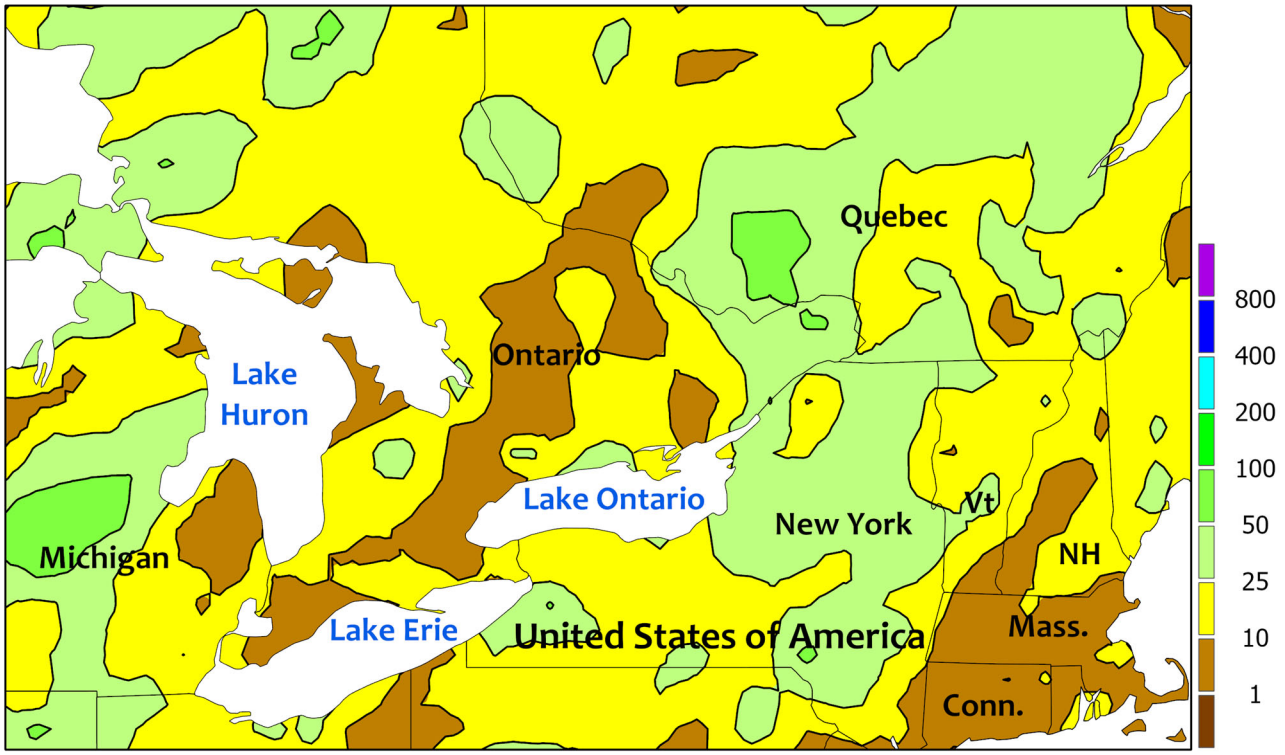
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

CANADIAN PRAIRIES

Warm, mostly dry weather maintained favorable conditions for maturation and harvesting of spring crops. Showers were generally scattered and light in western and northern agricultural districts, with moderate rain (rainfall totaling more than 10 mm) confined to southeastern Saskatchewan and parts of Manitoba. Weekly temperatures averaging 3 to 6°C above normal maintained a generally rapid pace of maturation, with no reported freezes. Highest daytime temperatures again reached the upper 30s (degrees C) in southwestern Saskatchewan and neighboring locations in Alberta, favoring drydown of crops in swath but renewing concerns for drought going into the drier winter months. Although early harvest weather has been overall favorable, fieldwork delays – partly from the earlier planting delays and ongoing problems with untimely wetness – were evident in the east. According to the government of Manitoba, harvesting was 3 percent complete as of August 30, lagging the 5-year average by 36 points.

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

SOUTHEASTERN CANADA
Total Precipitation(mm)
August 28 - September 3, 2022



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

SOUTHEASTERN CANADA

Warm, showery weather benefited immature summer crops across the region. Although pockets of dryness (rainfall totaling less than 10 mm) returned to Ontario's western farming areas, amounts of 10 to more than 50 mm elsewhere maintained generally favorable levels of moisture for immature corn and soybeans. Additionally, the rain helped to moisten topsoils ahead of winter wheat planting, due to begin soon. Weekly temperatures averaged 1 to 2°C above normal regionwide, with daytime highs reaching the upper 20s and lower 30s (degrees C). Although nighttime lows dropped below 5°C at the northern and eastern edges of the main farming areas, no freeze occurred.

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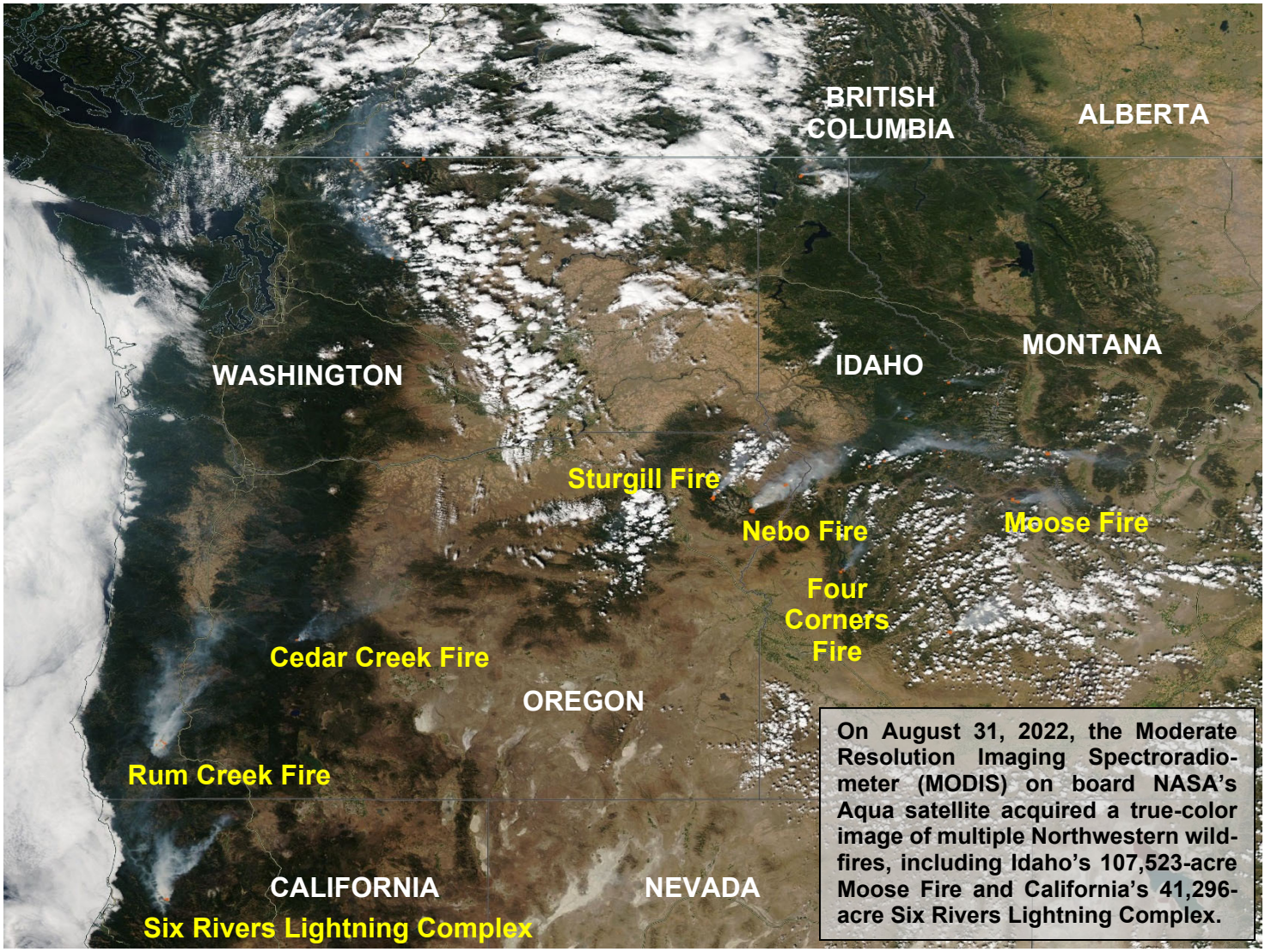

On August 31, 2022, the Moderate Resolution Imaging Spectroradiometer (MODIS) on board NASA's Aqua satellite acquired a true-color image of multiple Northwestern wildfires, including Idaho's 107,523-acre Moose Fire and California's 41,296-acre Six Rivers Lightning Complex.

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