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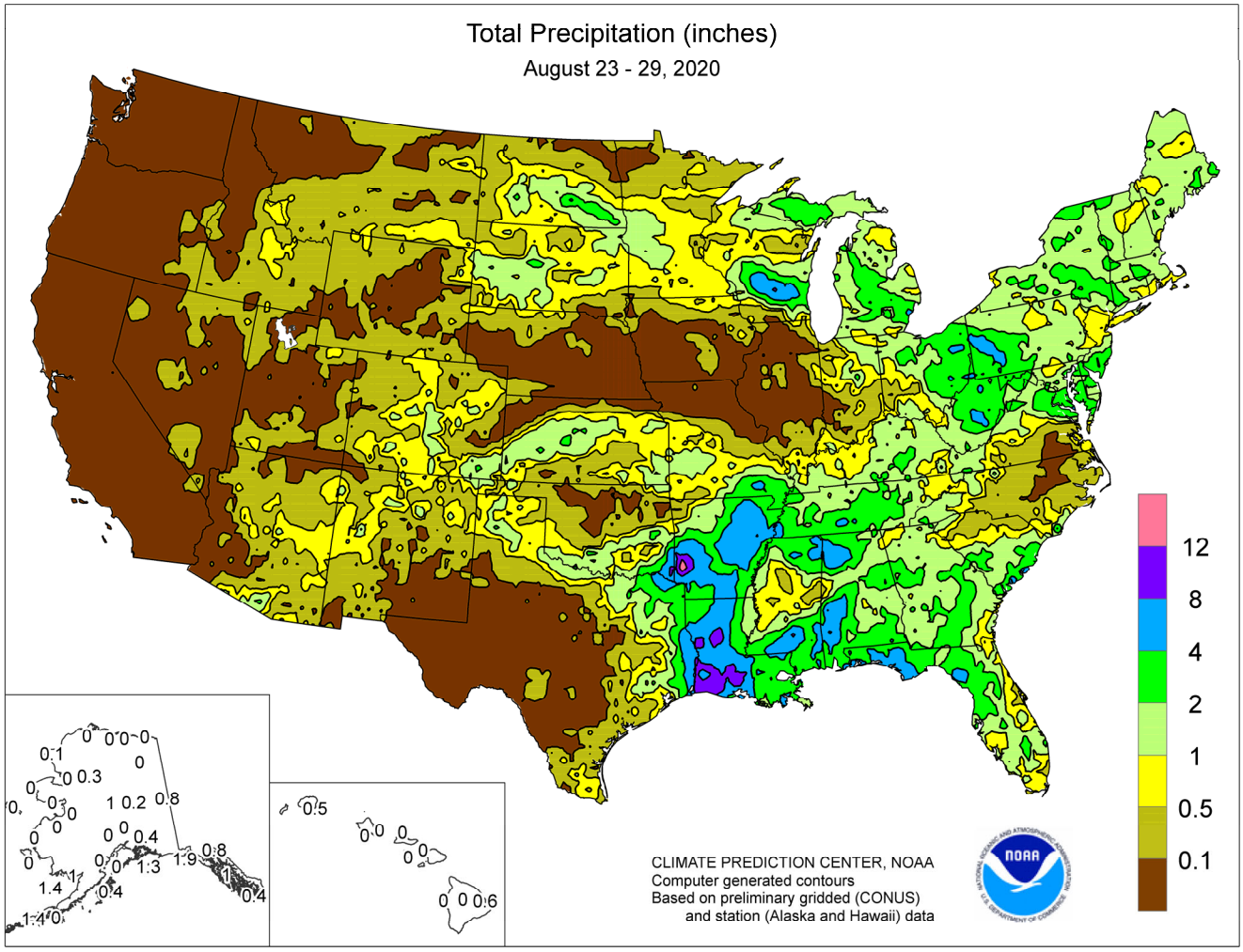
Weekly Weather and Crop Bulletin

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 23 – 29, 2020

Highlights provided by USDA/WAOB

Category 4 Hurricane Laura came ashore on August 27 at 1:00 am CDT near **Cameron, LA**, delivering nearly unimaginable damage due to high winds and a coastal storm surge. At landfall, Laura featured sustained winds near 150 mph—the most powerful hurricane to make landfall in **Louisiana** since the 1856 **Last Island (Isle Dernière)** storm. Significant wind damage spread far inland and was especially notable in **Lake Charles, LA**, which had gusts above 130 mph. Heavy rain and gusty winds associated with Laura reached as far north as

(Continued on page 5)

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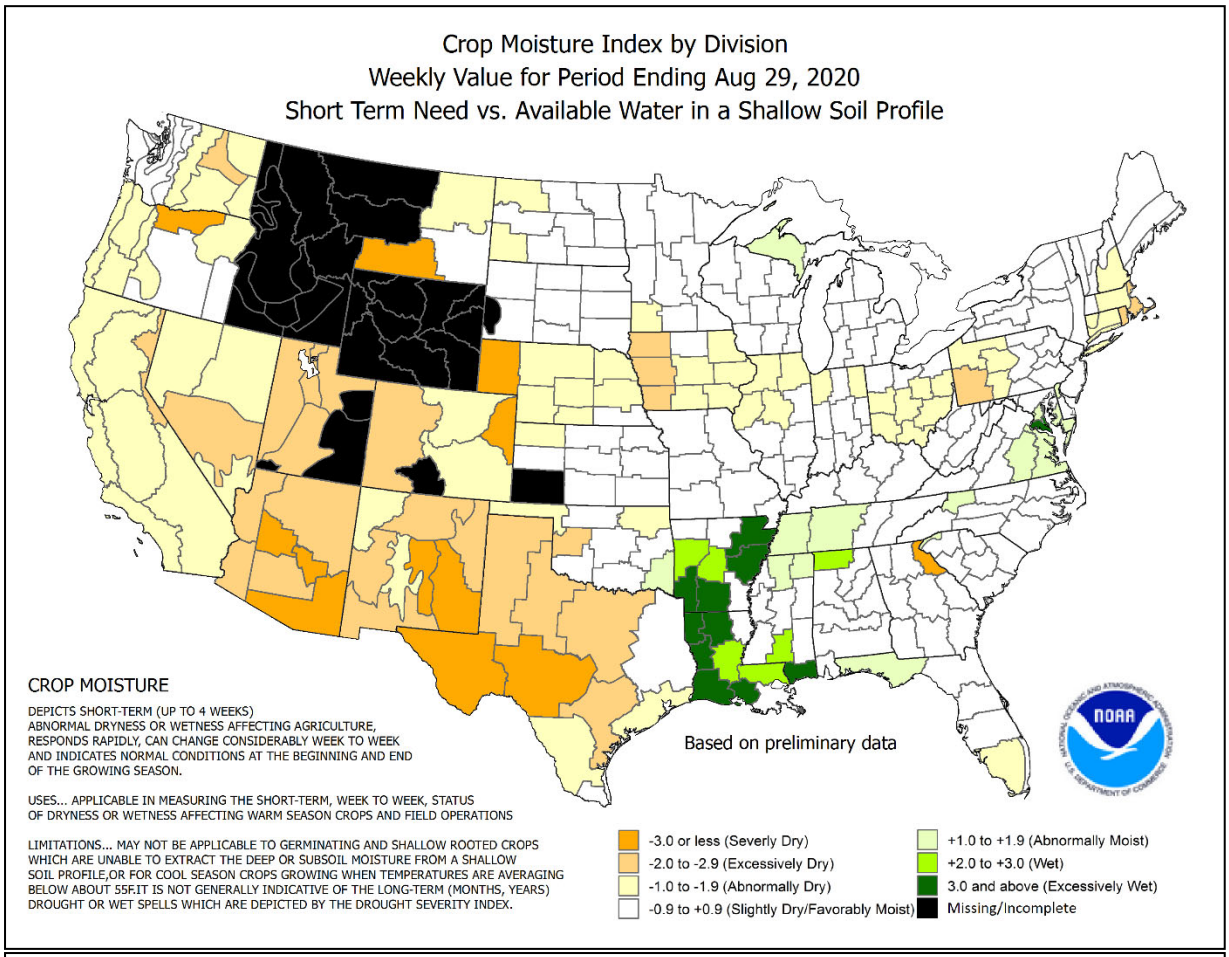
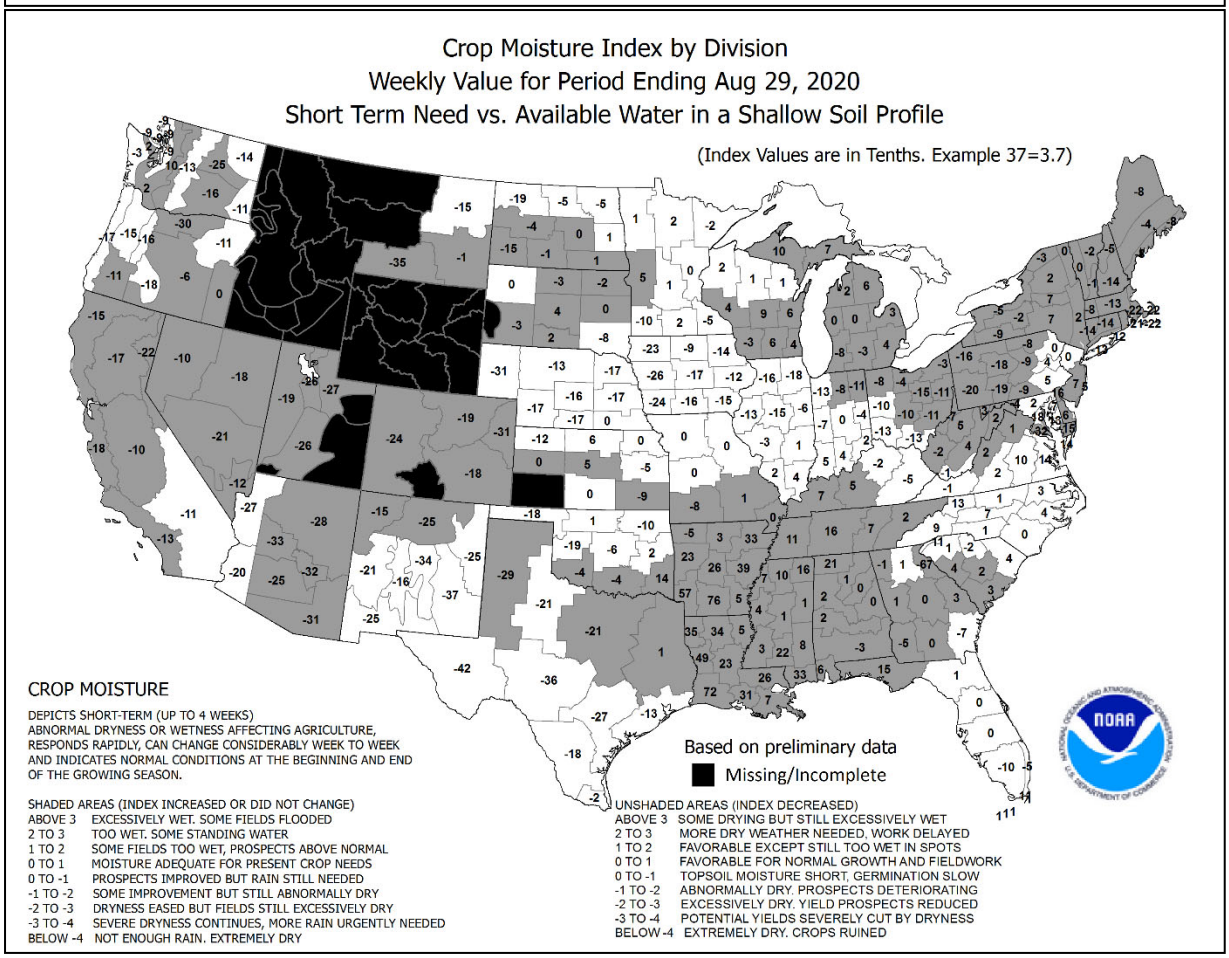
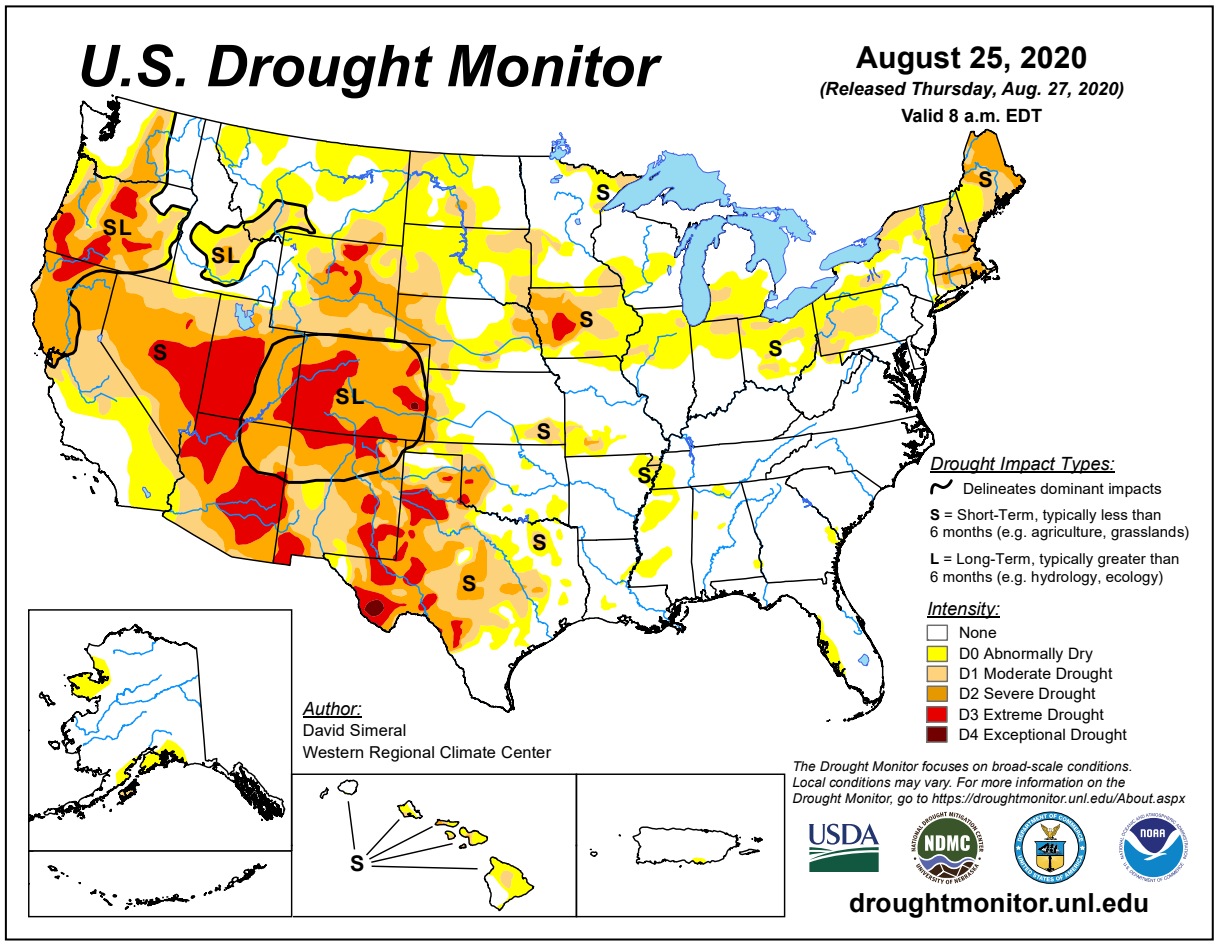
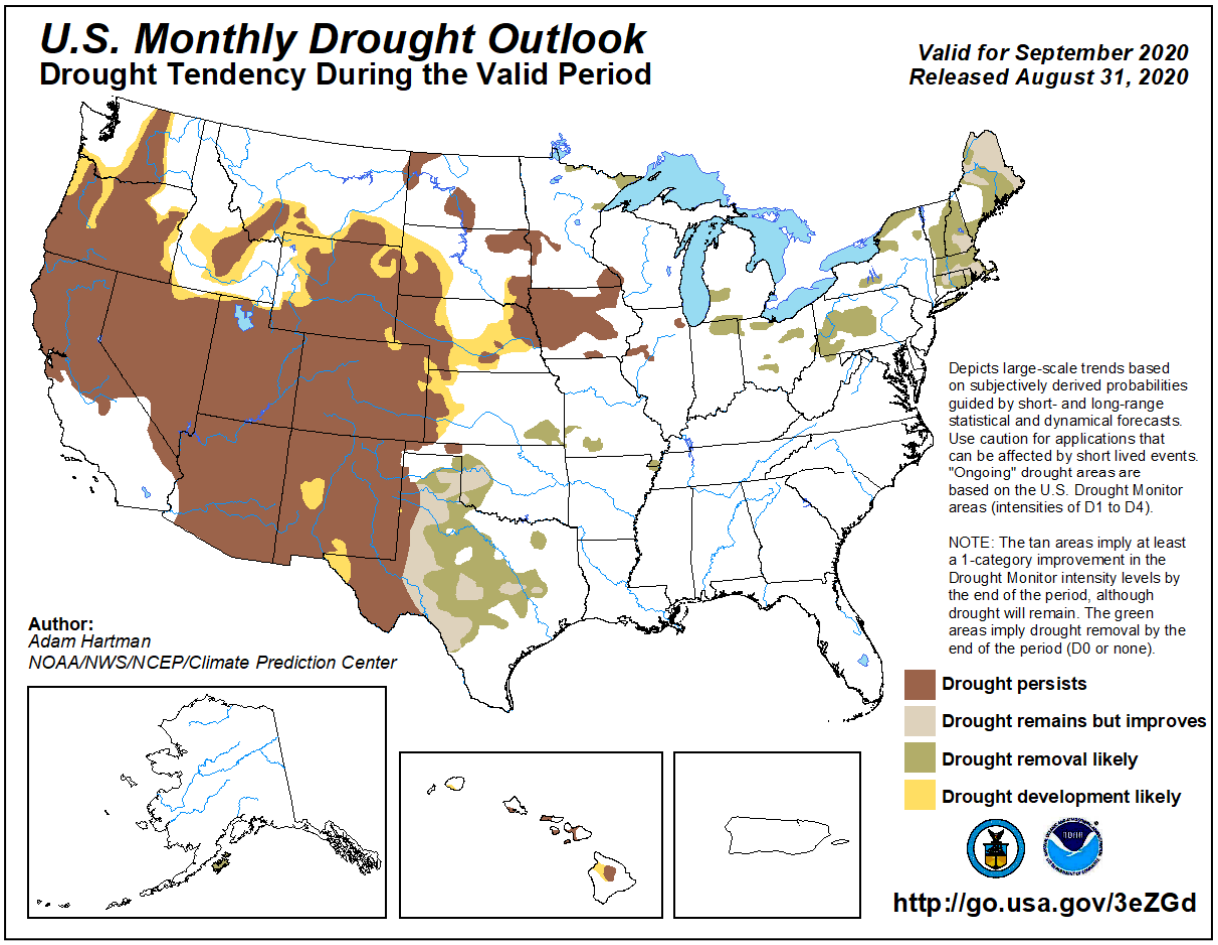
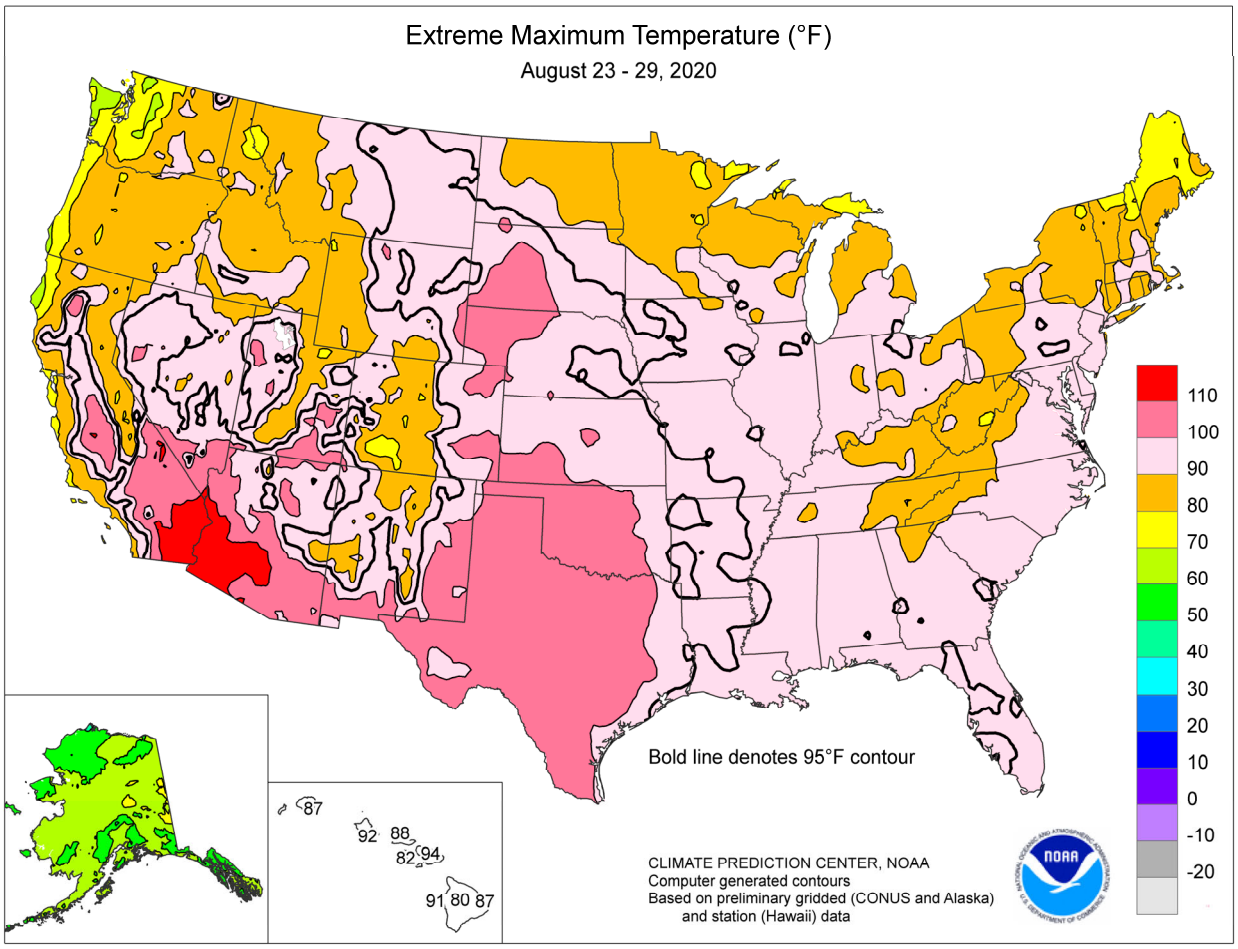
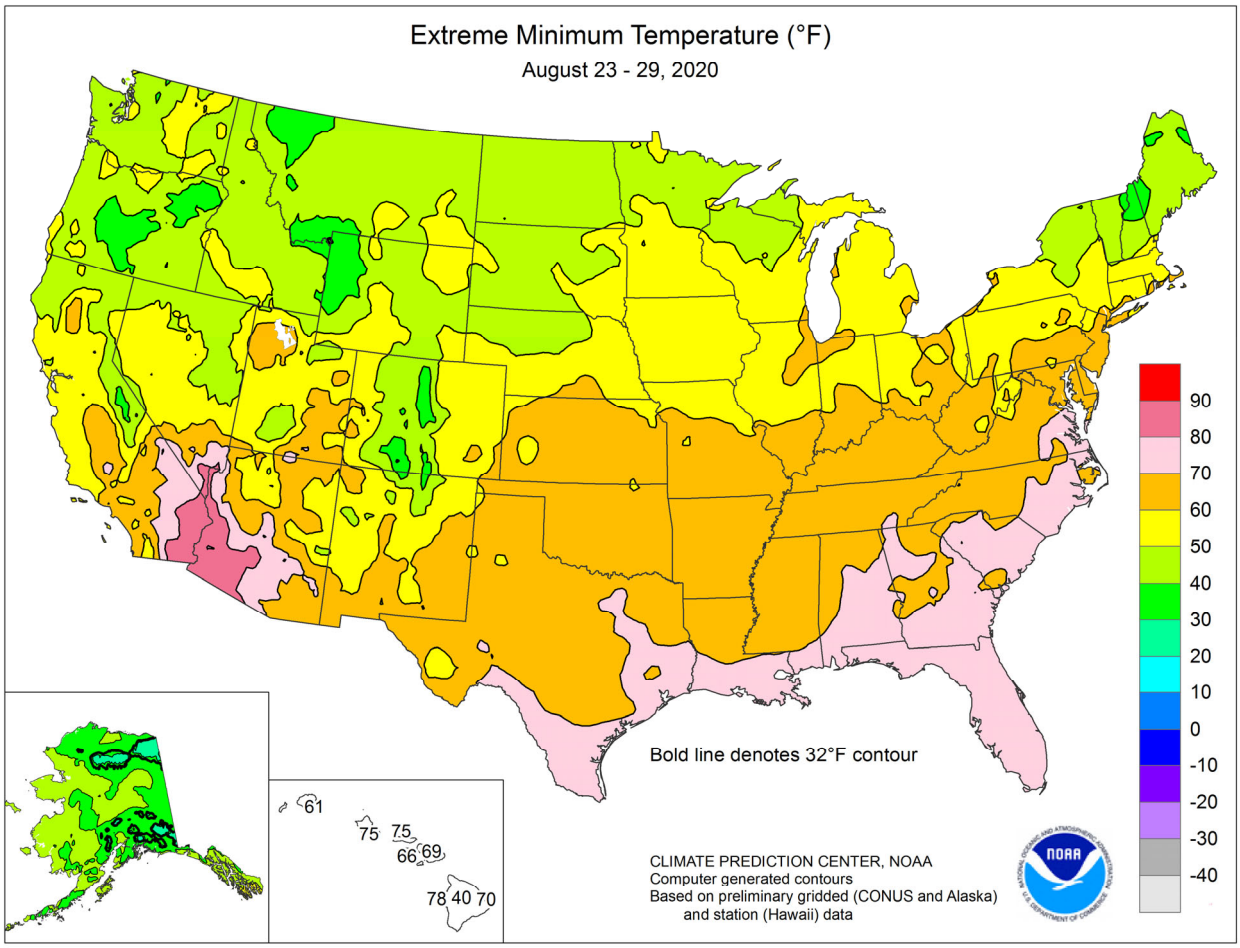

Crop Moisture Index by Division
Weekly Value for Period Ending Aug 29, 2020
Short Term Need vs. Available Water in a Shallow Soil Profile
CROP MOISTURE
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES 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 Division
Weekly Value for Period Ending Aug 29, 2020
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
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
Based on preliminary data
Missing/Incomplete
NOAA


U.S. Drought Monitor
August 25, 2020
(Released Thursday, Aug. 27, 2020)
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:
David Simeral
Western Regional Climate 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
NOAA
droughtmonitor.unl.edu

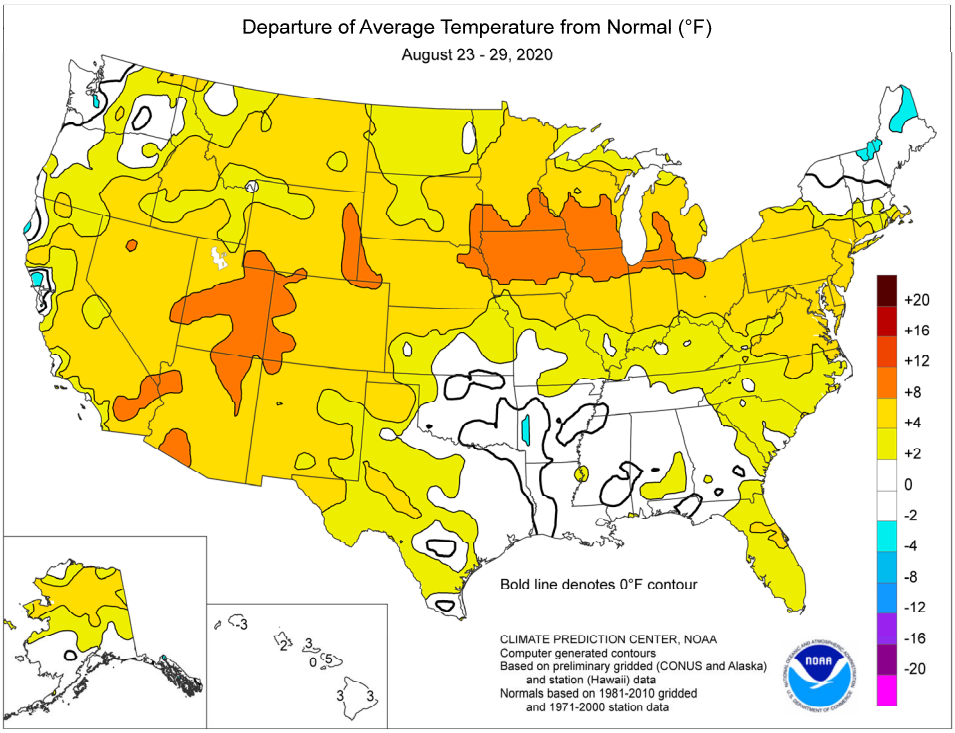

U.S. Monthly Drought Outlook
Drought Tendency During the Valid Period
Valid for September 2020
Released August 31, 2020
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be 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
Author:
Adam Hartman
NOAA/NWS/NCEP/Climate Prediction Center
http://go.usa.gov/3eZGd


Extreme Maximum Temperature (°F)
August 23 - 29, 2020
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95°F contour
87
92
88
82
94
91
80
87
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data


Extreme Minimum Temperature (°F)
August 23 - 29, 2020
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32°F contour
61
75
75
66
69
78
40
70
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data

(Continued from front cover)

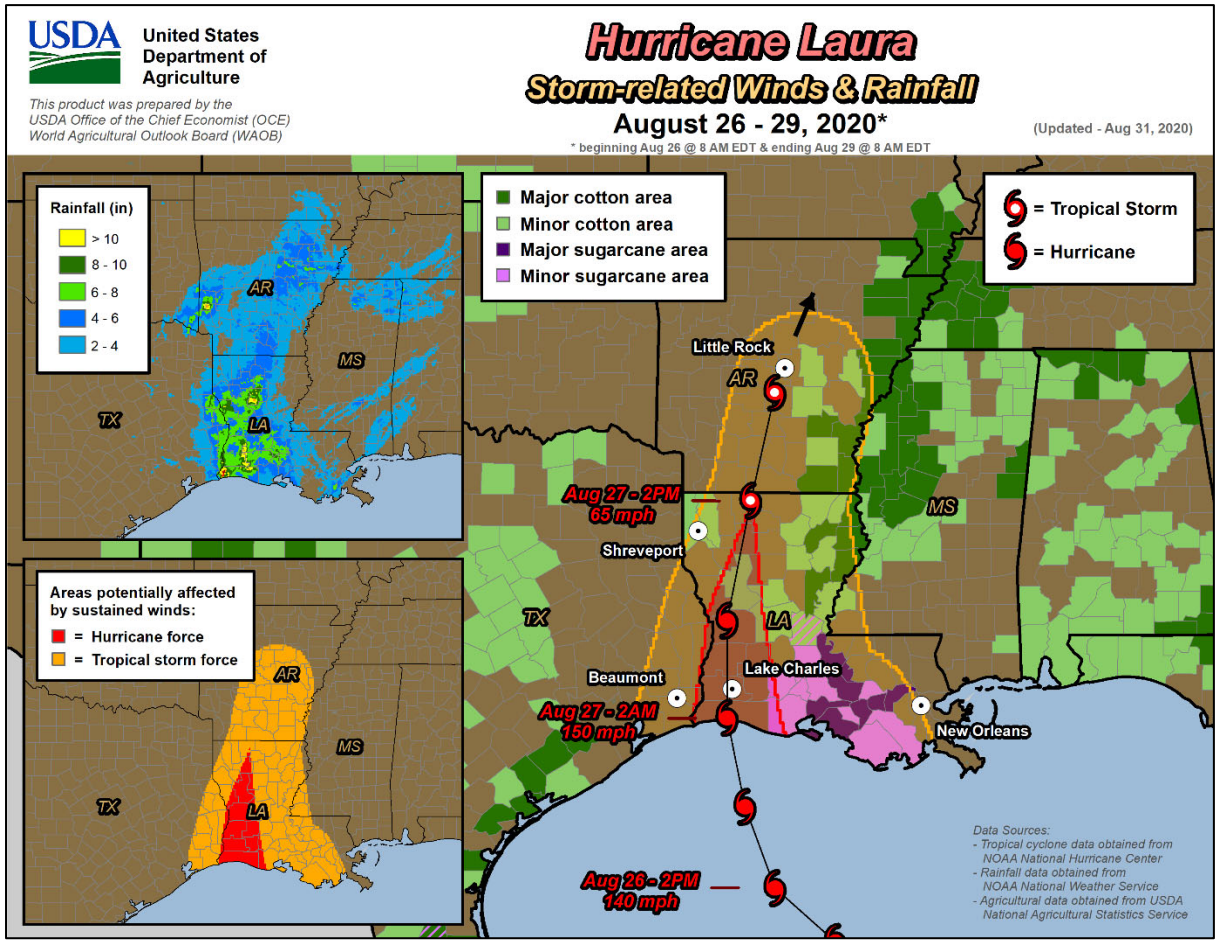
Arkansas, but the former hurricane rapidly weakened after turning eastward toward the **mid-Atlantic Coast**. Meanwhile, heavy showers spread from the **Great Lakes region into the Northeast**, but bypassed drought-stricken sections of the **western Corn Belt**. Farther west, spotty showers from the **Pacific Coast to the High Plains** provided little, if any, relief from widespread drought conditions that have contributed to reduced soil moisture, stress on rangeland and pastures, and a rash of wildfires. Late-summer heat dominated not only the **West**, but also most other parts of the country. In fact, the only major region experiencing below-normal temperatures was **northern New England**. Weekly temperatures averaged as much as 10°F above normal in parts of the **Corn Belt**, aggravating the effects of soil moisture shortages or corn and soybeans in drought-affected areas. **Iowa**, still recovering from the August 10 derecho, remained the center of the **Midwestern** drought. Extreme heat (up to 10°F above normal) also gripped parts of **Wyoming**, **southern California**, the **Great Basin**, and the **Four Corners States**.

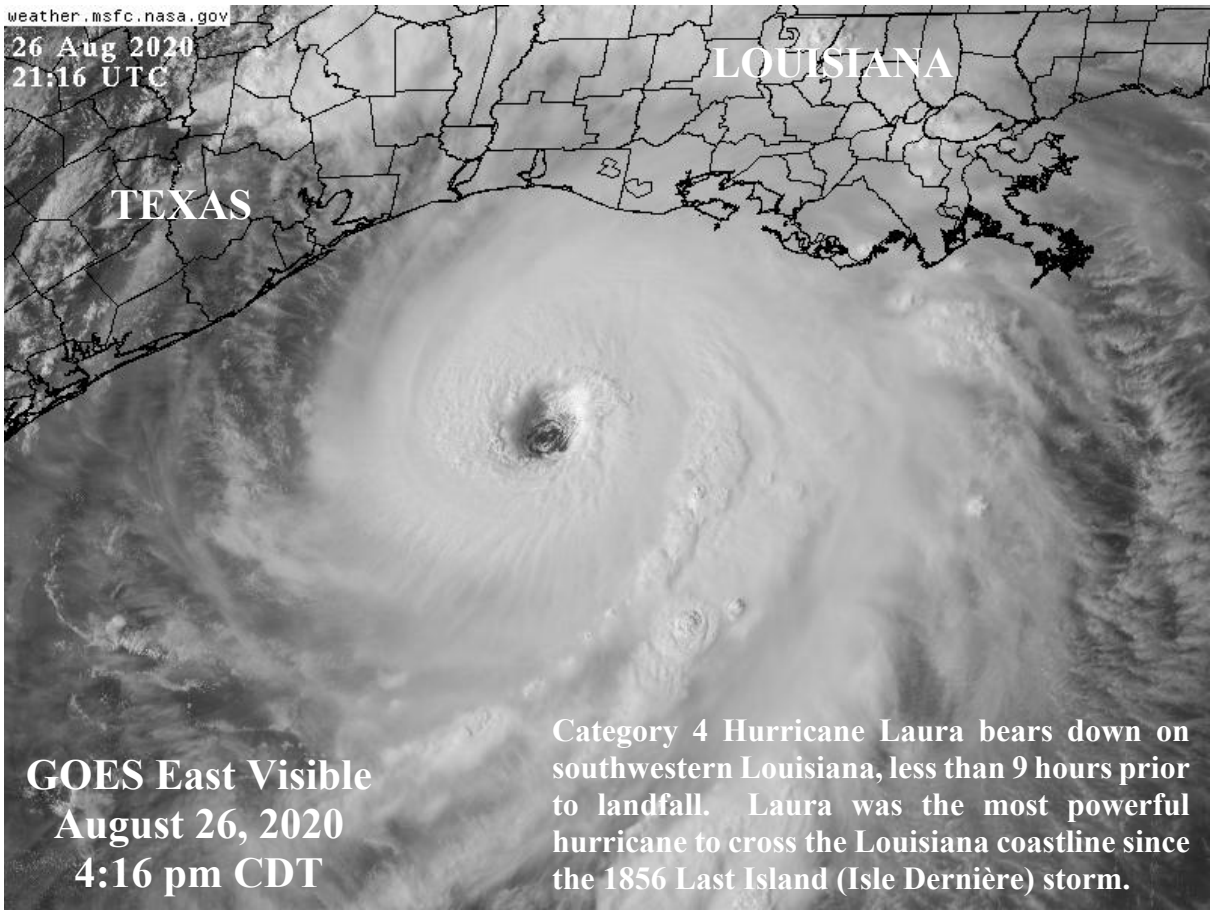


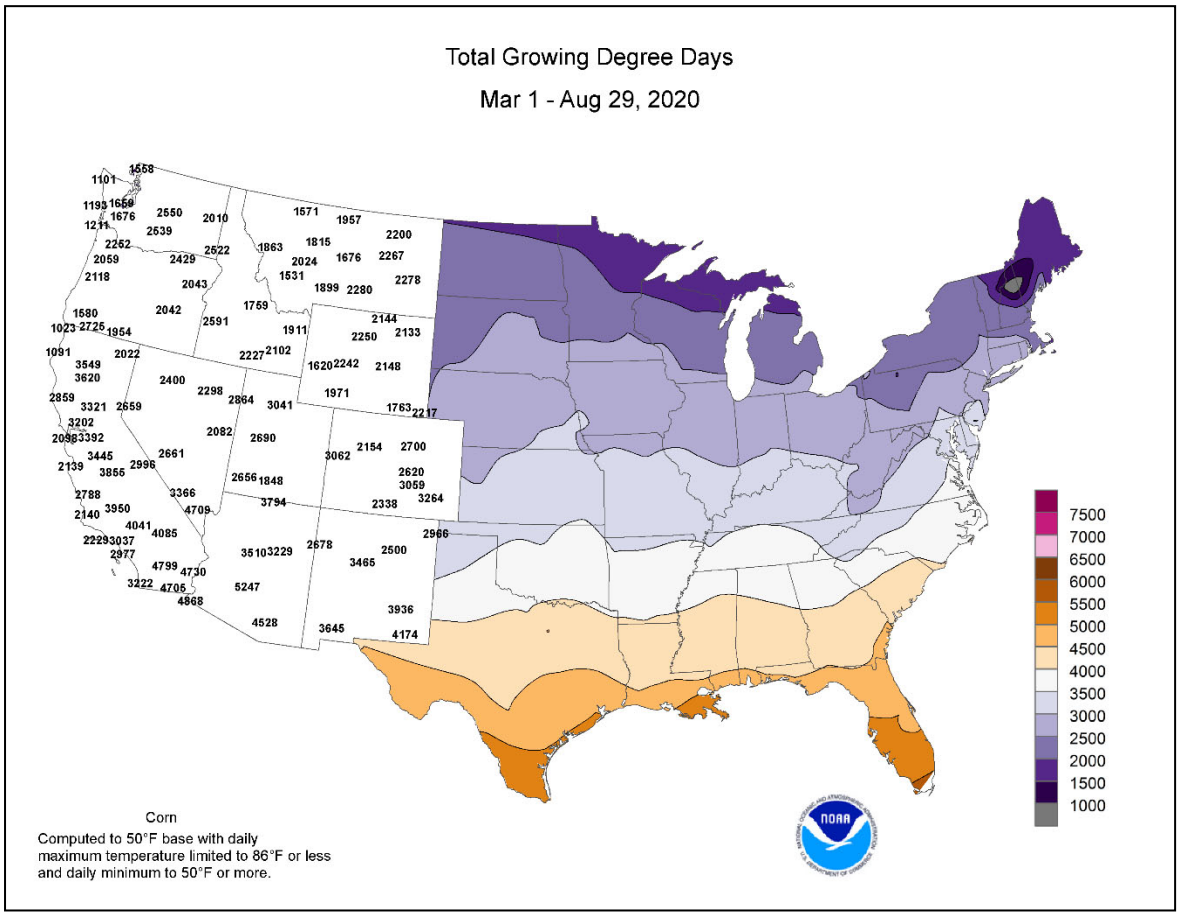
Prior to Laura's arrival, Hurricane Marco briefly threatened the **Gulf Coast** and technically made landfall near the **mouth of the Mississippi River** as a decaying tropical storm on August 24. Rainfall loosely associated with Marco's circulation soaked a few areas along the **Gulf Coast**, with **Apalachicola, FL**, experiencing its third-wettest day (7.85 inches on August 23) in the last 45 years. August 23-25 rainfall reached 6.15 inches in **Pensacola, FL**, and 10.20 inches in **Apalachicola**. Meanwhile, spotty thundershowers affected the **West**, where daily-record totals included 0.59 inch (on August 23) in **Desert Rock (Mercury), NV**, and 0.27 inch (on August 26) in **Challis, ID**. **Saint George, UT**, received 2.00 inches of rain in a 24-hour period on August 23-24. Around mid-week, locally heavy showers in the **Great Lakes region** led to daily-record totals in locations such as **Milwaukee, WI** (2.14 inches on August 25), and **Sault Sainte Marie, MI** (1.57 inches on August 26). Hurricane Laura roared ashore in **southwestern Louisiana** in the dead of night on August 27, resulting in measured wind gusts to 133 mph in **Lake Charles** and 127 mph at **Calcasieu Pass**. The water level at the tide station at **Calcasieu Pass** climbed 7.07 feet above flood stage as Laura moved ashore, the fourth-highest surge on record behind 11.00 feet with Hurricane Rita on September 24, 2005; 9.30 feet with Hurricane Audrey on June 27, 1957; and 7.90 feet with Hurricane Ike on September 13, 2008. **Coastal Texas**, which escaped a direct hit, experienced wind gusts to 90 mph at **Texas Point National Wildlife Refuge** and 72 mph in **Beaumont-Port Arthur**. During the morning of the 27th, hurricane-force wind gusts were reported in **Louisiana** communities such as **Alexandria** (86 mph), **De Ridder** (82 mph), **New Iberia** (76 mph), and **Vernon** (74 mph). Farther inland, tropical storm-force gusts included 65 mph in **Shreveport, LA**; 57 mph in **El Dorado, AR**; 56 mph in **Monroe** and **Lafayette, LA**; and 53 mph in **Gulfport, MS**. Although much wind and rainfall information in the areas hardest hit by Laura was lost, daily-record precipitation totals for August 27 in **Arkansas** included 4.18 inches in **North Little Rock**, 3.74 inches in **El Dorado**, 2.79 inches in **Pine Bluff**, and 2.59 inches in **Texarkana**. Monthly rainfall totaled 19.70 inches near **Big Fork, Polk County, AR**, breaking a state record for August (previously, 19.55 inches in **Hardy, Sharp County**, in 1915). Late in the week, heavy showers returned across portions of the **Great Lakes States** and spread into the **Northeast**. Record-setting totals for August 28 reached 2.85 inches in **Pittsburgh, PA**, and 2.83 inches in **Detroit, MI**. In **West Virginia**, daily-record amounts included 2.20 inches (on August 28) in **Wheeling** and 2.04 inches (on August 29) in **Elkins**. Elsewhere on the 29th, rainfall across the **central and southern Plains** resulted in daily-record amounts in **Russell, KS** (1.58 inches), and **Amarillo, TX** (1.41 inches).

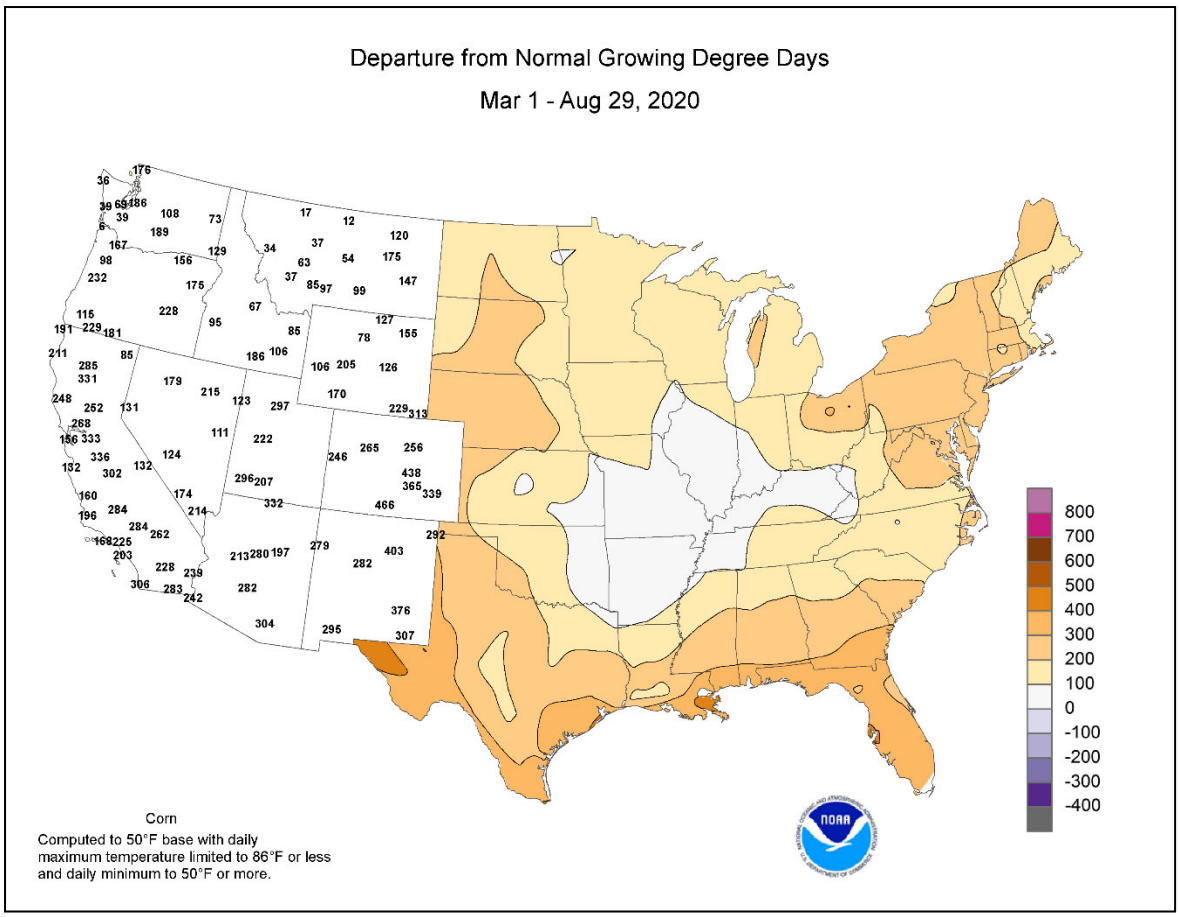
With warmth dominating the country, daily-record highs were scattered across several regions. Early-week heat surged northward across the **Great Plains** and adjacent **Rockies**, resulting in daily-record highs for August 23 in **East Rapid City, SD** (102°F), and **Casper, WY** (98°F). The following day, record-setting highs for August 24 soared to 100°F in **Burlington, CO**, and 98°F in **Sidney, NE**. Another daily-record high (101°F) was set in **Sidney** on August 25; other triple-digit, daily-record highs in **Nebraska** on that date included 105°F in **Valentine**, 103°F in **Alliance**, and 102°F in **Scottsbluff**. Heat also overspread the **upper Midwest**, where **La Crosse, WI**, tied a daily-record high of 97°F on August 26. Meanwhile in **Florida**, August records for highest minimum temperature were tied or broken on August 25 in locations such as **Daytona Beach** (82°F), **Melbourne** (83°F), **Vero Beach** (83°F), **West Palm Beach** (84°F), and **Miami** (84°F). Farther west, **Phoenix, AZ**, collected a daily-record high of 115°F on August 24. That marked the 13th day this year with a high of 115°F or greater; the previous annual record of 7 days had been set in 1974. On August 28, **Phoenix** reported its 50th occurrence of the year with a high temperature of 110°F or greater. The previous annual record of 33 days had been set in 2011. Late in the week, blazing heat returned across the **south-central U.S.** In **Texas**, **Abilene** closed the week on August 28-29 with consecutive daily-record highs (107 and 105°F, respectively). Other record-setting highs for August 28 included 109°F in **Borger, TX**, and 105°F in **Roswell, NM**.

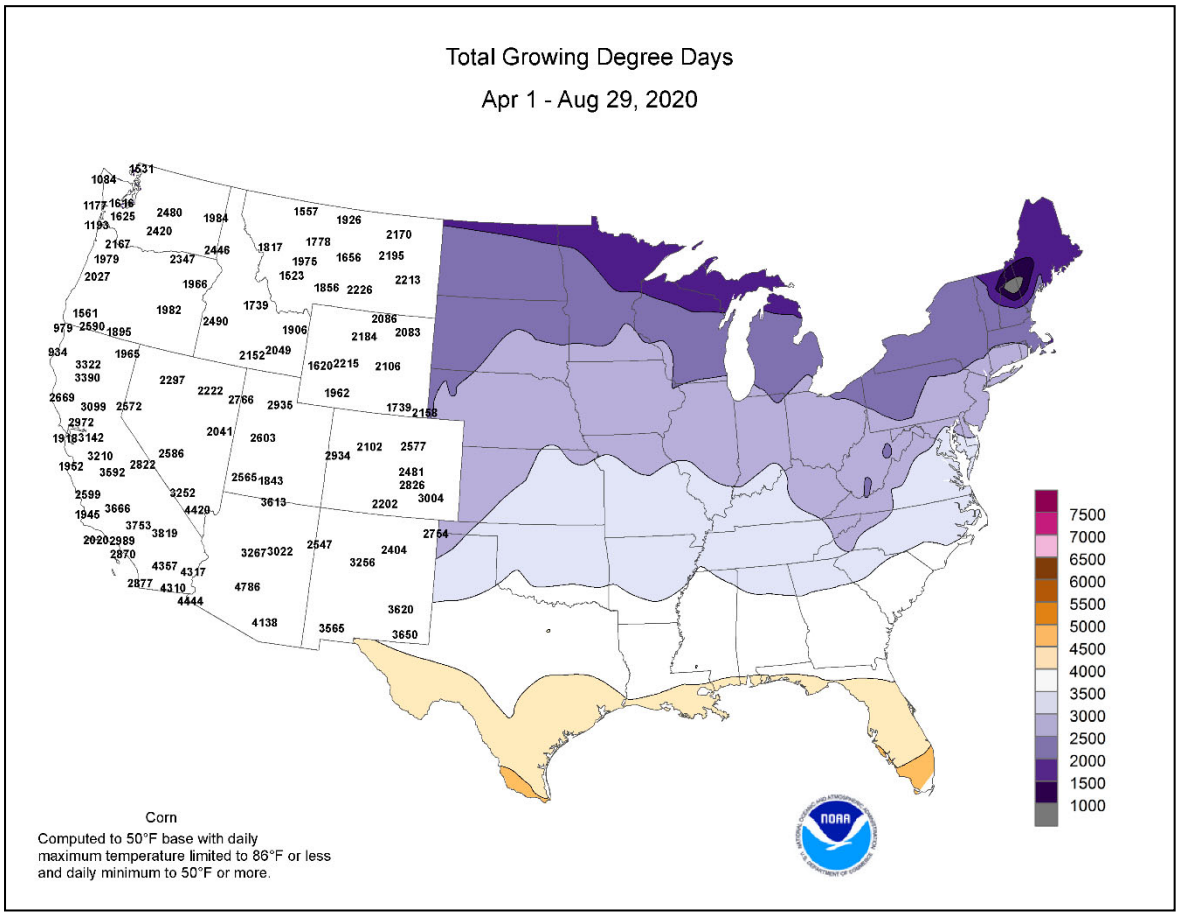
Near- or above-normal temperatures prevailed in **Alaska**, while the most significant precipitation fell across the southern tier of the state and at a few interior locations. Unusually warm water in the **Bering Sea** led to several daily-record highs, including a reading of 63°F on August 27 on **Saint Paul Island**. Earlier in the month, on August 14, **Saint Paul Island** tied its all-time-record high, originally set on August 25, 1987. Meanwhile, parts of **northern and western Alaska** completed a very dry August with totals of 0.35 inch (16 percent of normal) in **Kotzebue** and 0.23 inch (22 percent) in **Utqiaġvik**. Conversely, August rainfall in **southeastern Alaska** totaled 22.35 inches (228 percent of normal) in **Ketchikan** and 10.26 inches (179 percent) in **Juneau**. Farther south, very warm, mostly dry weather prevailed in **Hawaii**. **Kahului, Maui**, posted daily-record highs of 94°F on August 26 and 28. At the state's major airport observation sites, August rainfall ranged from 0.03 inch (6 percent of normal) in **Kahului** to 4.25 inches (43 percent) in **Hilo**, on the **Big Island**. **Kahului** and **Hilo** also completed an unusually dry summer, with June-August totals of 0.32 and 13.98 inches, respectively—27 and 50 percent of normal. **Kahului** also noted its warmest August and month on record, with an average temperature of 83.7°F, or 3.9°F above normal. Previous records had been 82.9°F in August 2015 and 83.0°F in September 2019, respectively.

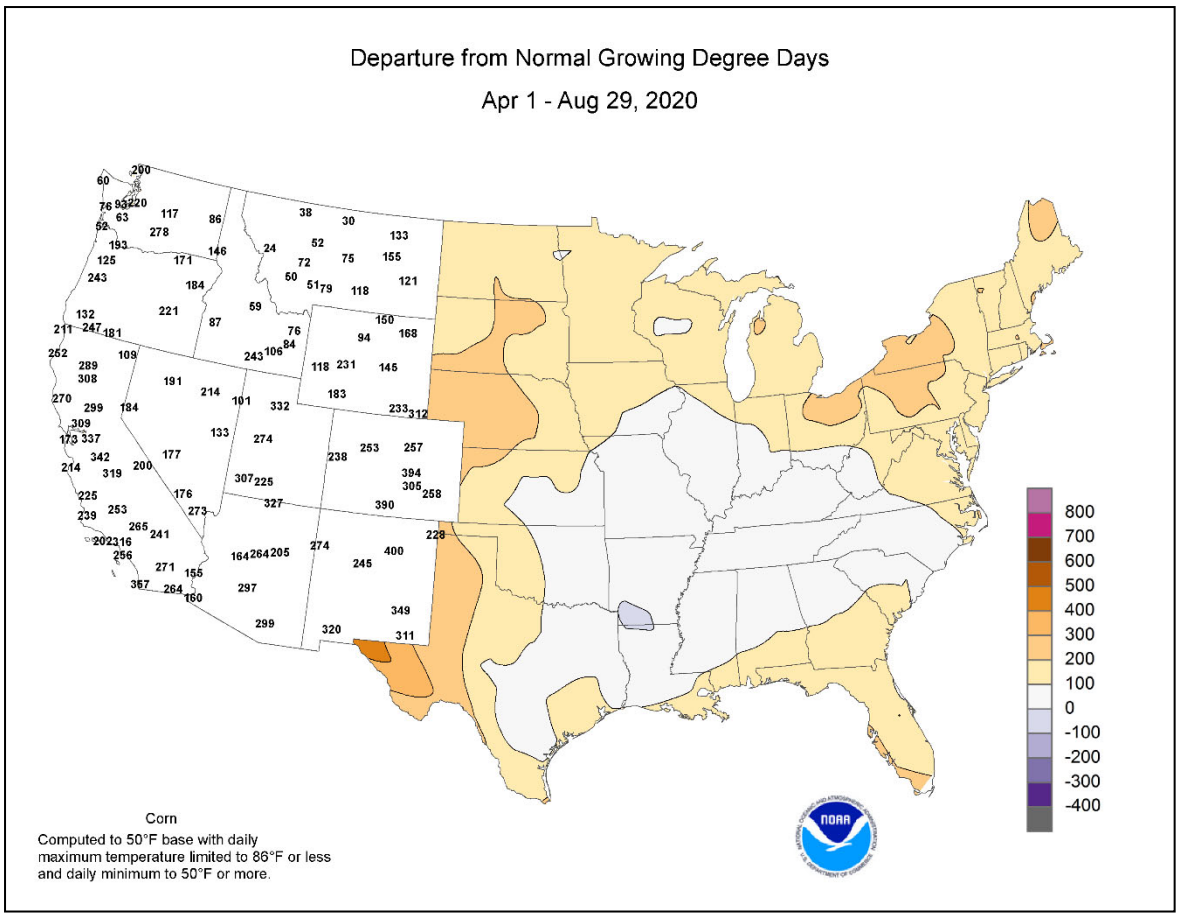

USDA
United States Department of Agriculture
This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)
Hurricane Laura
Storm-related Winds & Rainfall
August 26 - 29, 2020*
* beginning Aug 26 @ 8 AM EDT & ending Aug 29 @ 8 AM EDT
(Updated - Aug 31, 2020)
Rainfall (in)
> 10
8 - 10
6 - 8
4 - 6
2 - 4
Major cotton area
Minor cotton area
Major sugarcane area
Minor sugarcane area
= Tropical Storm
= Hurricane
Areas potentially affected by sustained winds:
= Hurricane force
= Tropical storm force
Little Rock
Shreveport
Beaumont
Lake Charles
New Orleans
Aug 27 - 2PM 65 mph
Aug 27 - 2AM 150 mph
Aug 26 - 2PM 140 mph
AR
MS
TX
LA
Data Sources:
- Tropical cyclone data obtained from NOAA National Hurricane Center
- Rainfall data obtained from NOAA National Weather Service
- Agricultural data obtained from USDA National Agricultural Statistics Service


weather.msfc.nasa.gov
26 Aug 2020
21:16 UTC
LOUISIANA
TEXAS
GOES East Visible
August 26, 2020
4:16 pm CDT
Category 4 Hurricane Laura bears down on southwestern Louisiana, less than 9 hours prior to landfall. Laura was the most powerful hurricane to cross the Louisiana coastline since the 1856 Last Island (Isle Dernière) storm.


Total Growing Degree Days
Mar 1 - Aug 29, 2020
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
NOAA
Corn
Computed to 50°F base with daily
maximum temperature limited to 86°F or less
and daily minimum to 50°F or more.


Departure from Normal Growing Degree Days
Mar 1 - Aug 29, 2020
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
NOAA
Corn
Computed to 50°F base with daily
maximum temperature limited to 86°F or less
and daily minimum to 50°F or more.


Total Growing Degree Days
Apr 1 - Aug 29, 2020
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.


Departure from Normal Growing Degree Days
Apr 1 - Aug 29, 2020
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.

National Weather Data for Selected Cities

Weather Data for the Week Ending August 29, 2020

Data Provided by Climate Prediction Center

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 JUN 1	PCT. NORMAL SINCE JUN 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	51	65	45	56	1	1.07	0.26	0.51	4.69	80	10.68	116	93	63	0	0	5	1
	BARROW	42	37	48	35	40	2	0.00	-0.24	0.00	1.24	52	3.27	102	93	79	0	0	0	0
	FAIRBANKS	65	49	72	46	57	4	0.54	0.15	0.29	7.68	144	9.43	124	94	58	0	0	6	0
	JUNEAU	57	51	60	48	54	0	1.61	0.12	0.46	22.56	172	45.69	139	96	80	0	0	6	0
	KODIAK	62	49	68	43	56	1	0.36	-0.78	0.23	9.56	63	23.61	50	85	60	0	0	3	0
	NOME	58	49	62	46	54	5	0.64	-0.04	0.13	3.71	60	10.27	99	93	70	0	0	7	0
AL	BIRMINGHAM	87	74	91	71	80	0	1.78	0.96	0.73	15.11	117	60.26	163	92	66	2	0	4	1
	HUNTSVILLE	87	72	91	68	80	0	3.16	2.42	1.85	12.52	106	53.33	147	97	62	2	0	5	2
	MOBILE	88	74	89	73	81	0	2.61	1.26	1.00	23.11	115	42.94	91	100	66	0	0	6	2
	MONTGOMERY	91	76	95	73	83	3	0.67	-0.22	0.35	20.93	161	51.17	140	94	60	5	0	4	0
AR	FORT SMITH	91	72	97	68	81	0	0.74	0.19	0.50	11.32	113	38.83	133	93	52	5	0	4	1
	LITTLE ROCK	91	71	95	68	81	0	4.94	4.33	2.94	14.43	155	44.71	143	94	53	6	0	4	3
AZ	FLAGSTAFF	85	52	88	49	69	6	0.07	-0.57	0.03	1.80	30	8.63	61	82	22	0	0	3	0
	PHOENIX	111	89	115	83	100	7	0.00	-0.23	0.00	1.02	49	4.64	86	40	16	7	0	0	0
	PRESCOTT	92	64	96	61	78	5	0.03	-0.50	0.02	1.22	24	6.38	66	62	22	6	0	2	0
	TUCSON	105	78	107	72	91	6	0.12	-0.37	0.12	1.70	36	3.85	48	47	15	7	0	1	0
CA	BAKERSFIELD	99	75	101	73	87	6	0.00	-0.02	0.00	0.02	13	4.76	105	52	22	7	0	0	0
	EUREKA	59	52	62	49	55	-3	0.00	-0.11	0.00	0.48	37	17.35	72	96	90	0	0	0	0
	FRESNO	99	73	101	69	86	6	0.00	-0.01	0.00	0.00	0	4.66	58	61	22	7	0	0	0
	LOS ANGELES	76	66	82	62	71	1	0.00	-0.02	0.00	0.00	0	7.37	82	89	66	0	0	0	0
	REDDING	98	69	108	66	83	5	0.00	-0.06	0.00	0.06	5	14.17	67	65	21	7	0	0	0
	SACRAMENTO	92	63	97	56	77	3	0.00	-0.01	0.00	0.02	6	4.75	39	75	22	6	0	0	0
	SAN DIEGO	80	71	84	68	76	4	0.00	-0.01	0.00	0.15	102	7.01	98	84	62	0	0	0	0
	SAN FRANCISCO	70	56	73	55	63	-2	0.00	-0.02	0.00	0.05	28	4.30	32	92	60	0	0	0	0
	STOCKTON	95	65	97	57	80	5	0.00	0.00	0.00	0.00	0	4.14	45	73	26	7	0	0	0
CO	ALAMOSA	81	46	90	41	64	2	0.31	0.02	0.22	2.11	79	2.93	58	89	29	2	0	3	0
	CO SPRINGS	88	60	93	54	74	6	0.35	-0.26	0.32	4.96	58	8.69	63	69	25	5	0	2	0
	DENVER INTL	92	62	98	53	77	6	0.16	-0.13	0.15	1.99	34	6.57	57	62	21	5	0	2	0
	GRAND JUNCTION	95	69	99	64	82	9	0.02	-0.22	0.02	0.63	31	3.07	51	38	14	6	0	1	0
	PUEBLO	95	62	101	59	79	7	0.26	-0.17	0.14	2.35	41	3.92	38	66	21	6	0	2	0
CT	BRIDGEPORT	86	69	92	63	77	5	0.69	-0.13	0.65	11.02	103	26.82	94	86	52	1	0	3	1
	HARTFORD	84	61	93	57	73	3	1.41	0.65	0.60	4.48	36	21.19	70	92	47	2	0	4	2
DC	WASHINGTON	90	74	93	71	82	5	2.03	1.41	1.55	18.54	181	36.01	137	90	51	3	0	4	1
DE	WILMINGTON	87	69	91	65	78	4	2.65	1.98	1.39	16.48	143	33.49	117	91	55	3	0	4	2
FL	DAYTONA BEACH	90	78	92	76	84	3	0.02	-1.56	0.02	17.79	101	27.61	84	100	69	6	0	1	0
	JACKSONVILLE	91	76	93	75	83	2	0.39	-1.39	0.17	22.47	116	36.31	104	97	65	6	0	3	0
	KEY WEST	90	83	92	80	87	3	0.20	-1.19	0.12	16.01	126	23.02	98	77	66	4	0	2	0
	MIAMI	92	81	92	80	87	3	1.17	-1.01	0.60	23.25	95	50.04	125	87	61	7	0	5	1
	ORLANDO	94	78	94	77	86	3	0.44	-1.11	0.21	23.87	110	32.42	89	95	55	7	0	4	0
	PENSACOLA	87	78	90	75	82	1	9.62	8.24	2.39	26.88	131	43.33	97	93	76	2	0	7	5
	TALLAHASSEE	90	76	95	72	83	1	1.33	-0.13	0.85	23.77	108	40.77	93	90	60	5	0	4	1
	TAMPA	94	79	96	75	86	3	1.12	-0.67	0.75	17.36	82	27.43	82	81	52	7	0	3	1
	WEST PALM BEACH	92	79	93	74	86	3	0.46	-1.48	0.27	22.69	105	39.49	98	88	60	7	0	5	0
GA	ATHENS	88	73	92	70	81	2	0.95	0.22	0.45	13.95	116	45.65	146	92	62	4	0	3	0
	ATLANTA	86	74	90	72	80	1	1.49	0.58	1.19	9.65	75	45.54	135	92	63	1	0	4	1
	AUGUSTA	91	74	94	71	83	3	1.98	1.06	1.01	15.75	119	44.90	146	95	61	5	0	4	2
	COLUMBUS	90	75	95	72	83	1	0.69	-0.13	0.25	14.85	123	48.96	150	95	61	5	0	5	0
	MACON	91	73	94	70	82	2	1.70	0.74	1.70	9.49	73	43.06	135	94	60	5	0	1	1
	SAVANNAH	92	76	97	72	84	4	1.31	-0.16	0.87	13.00	73	35.68	105	92	57	6	0	2	1
HI	HILO	87	72	87	70	79	3	0.65	-1.40	0.19	14.31	52	74.92	94	85	57	0	0	7	0
	HONOLULU	90	78	92	75	84	2	0.12	-0.01	0.12	0.88	64	9.91	111	70	41	7	0	1	0
	KAHULUI	92	76	94	69	84	5	0.00	-0.10	0.00	0.31	25	10.65	99	72	42	7	0	0	0
	LIHUE	86	68	87	61	77	-3	0.46	0.04	0.29	7.01	127	30.32	142	97	48	0	0	3	0
IA	BURLINGTON	93	69	97	59	81	7	0.00	-0.99	0.00	9.12	71	19.29	71	92	40	6	0	0	0
	CEDAR RAPIDS	91	64	94	57	77	7	0.00	-0.98	0.00	10.95	80	18.66	74	99	42	6	0	0	0
	DES MOINES	93	69	96	63	81	8	0.00	-0.89	0.00	7.97	59	20.84	78	85	36	6	0	0	0
	DUBUQUE	89	65	93	52	77	8	0.01	-0.92	0.01	9.29	72	22.21	86	99	55	5	0	1	0
	SIOUX CITY	92	65	96	55	78	8	0.00	-0.72	0.00	6.93	67	14.34	70	90	41	5	0	0	0
	WATERLOO	92	65	95	52	78	8	0.02	-0.85	0.02	13.76	98	25.46	97	89	42	6	0	1	0
ID	BOISE	91	63	94	59	77	5	0.13	0.06	0.11	3.15	234	10.80	142	63	22	6	0	2	0
	LEWISTON	89	60	93	55	74	2	0.00	-0.17	0.00	2.58	100	11.13	129	59	20	3	0	0	0
	POCATELLO	90	53	94	45	72	5	0.11	-0.04	0.10	2.11	96	8.46	104	74	18	4	0	2	0
IL	CHICAGO/O_HARE	92	73	97	67	83	12	0.03	-0.99	0.03	6.94	59	27.13	109	83	37	6	0	1	0
	MOLINE	92	69	96	57	80	8	0.00	-0.99	0.00	7.43	57	20.20	75	90	45	6	0	0	0
	PEORIA	90	69	94	59	80	7	0.00	-0.74	0.00	10.91	105	29.55	120	91	47	5	0	0	0
	ROCKFORD	92	69	95	60	80	10	0.00	-0.99	0.00	7.43	57	21.87	86	88	40	6	0	0	0
	SPRINGFIELD	89	67	92	55	78	5	0.00	-0.70	0.00	9.52	83	31.01	122	91	54	4	0	0	0
IN	EVANSVILLE	89	70	91	67	80	4	1.22	0.57	0.75	19.69	188	46.26	150	91	53	3	0	3	1
	FORT WAYNE	88	64	92	56	76	6	1.38	0.59	1.23	8.05	68	23.66	89	95	48	5	0	2	1
	INDIANAPOLIS	88	69	92	65	78	5	0.00	-0.69	0.00	11.27	95	34.25	117	95	55	3	0	0	0
	SOUTH BEND	89	68	94	60	79	8	1.52	0.72	1.40	13.39	119	30.61	122	90	46	4	0	5	1
KS	CONCORDIA	96	70	99	65	83	8	0.33	-0.33	0.33	14.48	132	21.45	102	76	31	6	0	1	0
	DODGE CITY	96	65	103	61	80	4	0.12	-0.46	0.12	12.21	138	18.14	111	83	28	6	0	1	0
	GOODLAND	92	62	97	60	77	5	0.05	-0.43	0.04	9.60	103	14.59	92	78	29	6	0	2	0
	TOPEKA	93	66	97	61	80	4	0.68	-0.30	0.68	14.58	110	30.03	113	88	39	6	0	1	1

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

Weather Data for the Week Ending August 29, 2020

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 JUN 1	PCT. NORMAL SINCE JUN 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	94	65	99	61	79	1	0.25	-0.60	0.25	7.46	62	22.22	93	93	37	6	0	1	0
KY	LEXINGTON	86	67	89	64	77	2	1.15	0.49	0.84	9.88	81	33.73	107	99	59	0	0	3	1
	LOUISVILLE	89	73	93	69	81	4	0.51	-0.13	0.51	17.19	153	39.70	128	92	55	3	0	1	1
	PADUCAH	89	69	93	64	79	3	0.86	0.27	0.43	12.43	111	39.71	122	94	59	4	0	4	0
LA	BATON ROUGE	91	76	93	71	83	1	2.57	0.74	1.45	21.77	112	47.50	115	95	62	5	0	4	2
	LAKE CHARLES	89	74	95	72	83	0	1.99	1.08	1.97	15.33	90	36.20	96	99	56	2	0	2	1
	NEW ORLEANS	89	78	93	74	84	1	2.48	1.18	1.00	31.70	161	55.12	125	88	62	3	0	6	2
	SHREVEPORT	93	73	97	69	83	1	1.91	1.36	1.90	11.33	97	45.76	135	92	54	6	0	2	1
MA	BOSTON	80	64	89	60	72	1	1.57	0.89	1.33	7.02	68	21.98	77	89	46	0	0	3	1
	WORCESTER	79	60	89	54	70	2	3.54	2.78	1.74	8.47	71	25.89	83	91	50	0	0	3	3
MD	BALTIMORE	90	70	94	67	80	6	1.19	0.49	0.87	21.20	200	38.06	138	89	51	5	0	5	1
ME	CARIBOU	72	48	81	42	60	-2	1.19	0.39	0.71	6.28	56	19.73	80	83	44	0	0	2	1
	PORTLAND	78	57	91	47	68	1	1.44	0.75	1.30	8.10	78	25.69	87	86	47	1	0	3	1
MI	ALPENA	79	60	88	57	69	6	1.35	0.60	0.79	14.10	163	25.59	138	97	57	0	0	4	1
	GRAND RAPIDS	86	67	91	60	77	7	1.28	0.48	1.22	9.89	91	25.87	106	93	50	3	0	4	1
	HOUGHTON LAKE	81	57	86	55	69	5	1.32	0.61	0.82	5.78	65	18.01	101	95	55	0	0	4	1
	LANSING	87	66	92	56	76	8	1.93	1.24	1.61	8.39	90	25.36	122	90	46	2	0	2	1
	MUSKEGON	84	68	87	56	76	7	0.18	-0.59	0.13	7.04	87	25.61	126	86	51	0	0	3	0
	TRAVERSE CITY	83	63	88	60	73	7	1.74	0.98	1.59	11.47	123	22.33	107	91	54	0	0	4	1
MN	DULUTH	80	58	86	51	69	6	0.02	-0.84	0.01	8.09	70	13.94	68	92	49	0	0	2	0
	INT_L FALLS	78	52	82	44	65	3	0.03	-0.62	0.03	10.54	103	14.89	88	94	52	0	0	1	0
	MINNEAPOLIS	87	69	92	59	78	9	0.44	-0.44	0.39	13.61	110	24.04	109	91	47	3	0	3	0
	ROCHESTER	87	64	92	55	76	0	0.76	-0.24	0.76	10.85	80	22.52	93	95	50	3	0	1	1
	ST. CLOUD	82	63	88	52	73	6	0.34	-0.59	0.24	12.66	115	18.28	94	96	53	0	0	3	0
MO	COLUMBIA	90	69	94	61	79	4	0.02	-0.99	0.02	13.01	100	37.48	127	88	51	5	0	1	0
	KANSAS CITY	91	67	94	64	79	3	0.73	-0.22	0.73	13.51	101	27.95	103	93	46	6	0	1	1
	SAINT LOUIS	91	74	97	65	82	5	0.00	-0.63	0.00	16.61	148	40.50	147	80	49	4	0	0	0
	SPRINGFIELD	89	68	96	62	78	2	0.66	-0.24	0.57	7.06	59	39.93	134	91	48	4	0	2	1
MS	JACKSON	90	74	94	69	82	1	1.78	0.98	1.64	18.06	139	56.26	151	93	61	4	0	3	1
	MERIDIAN	88	74	93	68	81	1	1.62	0.83	1.08	16.58	124	54.11	139	93	68	4	0	5	1
	TUPELO	90	74	92	68	82	2	4.01	3.35	2.51	15.35	131	51.81	142	93	60	5	0	5	3
MT	BILLINGS	88	59	94	54	74	5	0.11	-0.05	0.08	6.27	151	9.71	96	68	22	4	0	2	0
	BUTTE	82	46	88	40	64	4	0.20	-0.10	0.10	4.91	100	8.06	81	83	20	0	0	3	0
	CUT BANK	85	45	93	42	65	4	0.00	-0.28	0.00	2.89	58	5.49	63	66	15	1	0	0	0
	GLASGOW	91	57	98	47	74	6	0.12	-0.13	0.12	4.39	83	8.77	95	69	18	4	0	1	0
	GREAT FALLS	89	51	94	43	70	6	0.00	-0.39	0.00	5.49	100	11.01	97	61	14	3	0	0	0
	HAVRE	90	51	97	43	71	6	0.00	-0.25	0.00	3.19	65	6.30	72	65	16	3	0	0	0
	MISSOULA	86	49	93	43	67	2	0.00	-0.29	0.00	3.15	75	9.85	98	75	23	1	0	0	0
NC	ASHEVILLE	84	68	88	65	76	4	0.55	-0.46	0.15	14.06	106	42.59	136	97	57	0	0	6	0
	CHARLOTTE	89	72	93	69	81	4	0.35	-0.59	0.17	7.25	63	35.33	125	91	54	4	0	5	0
	GREENSBORO	88	70	90	68	79	3	0.04	-0.88	0.03	13.00	110	41.43	146	97	61	3	0	2	0
	HATTERAS	87	78	91	71	83	5	0.02	-1.72	0.01	17.88	115	47.72	129	91	66	1	0	2	0
	RALEIGH	90	73	93	71	81	4	0.03	-1.04	0.03	12.95	105	34.76	119	94	58	3	0	1	0
	WILMINGTON	91	76	94	73	83	5	1.76	0.11	1.63	23.86	121	49.01	127	92	56	4	0	3	1
ND	BISMARCK	85	58	94	47	71	4	0.45	-0.03	0.28	4.86	59	6.82	49	93	38	1	0	3	0
	DICKINSON	86	55	97	46	71	5	0.08	-0.28	0.08	4.59	64	6.56	53	92	30	2	0	1	0
	FARGO	81	57	86	47	69	2	0.29	-0.38	0.16	11.75	129	15.89	100	96	57	0	0	3	0
	GRAND FORKS	80	54	85	49	67	2	0.00	-0.65	0.00	9.81	105	13.02	86	95	46	0	0	0	0
	JAMESTOWN	79	57	85	47	68	2	0.95	0.43	0.60	7.57	89	10.43	74	94	52	0	0	5	1
NE	GRAND ISLAND	93	67	97	59	80	7	0.00	-0.64	0.00	6.39	60	18.96	92	79	34	6	0	0	0
	LINCOLN	93	65	95	52	79	5	0.00	-0.81	0.00	10.17	92	18.79	88	85	35	6	0	0	0
	NORFOLK	93	66	98	53	79	8	0.00	-0.65	0.00	5.00	47	14.09	69	84	36	6	0	0	0
	NORTH PLATTE	95	61	99	51	78	8	0.00	-0.39	0.00	6.52	75	13.01	80	80	29	5	0	0	0
	OMAHA	96	71	100	57	83	10	0.00	-0.80	0.00	4.73	40	12.07	52	83	31	6	0	0	0
	SCOTTSBLUFF	96	60	102	53	78	8	0.01	-0.25	0.01	1.89	32	7.11	58	81	21	5	0	1	0
	VALENTINE	96	60	105	43	78	7	0.00	-0.38	0.00	9.49	107	14.47	91	82	29	5	0	0	0
NH	CONCORD	79	55	91	46	67	0	1.19	0.53	0.85	5.99	57	18.59	71	96	46	2	0	4	1
NJ	ATLANTIC_CITY	88	69	93	62	79	6	0.84	0.02	0.33	19.36	180	32.59	116	89	54	4	0	3	0
	NEWARK	89	70	93	67	79	5	0.37	-0.32	0.35	17.18	139	30.87	99	87	45	3	0	2	0
NM	ALBUQUERQUE	94	66	96	64	80	5	0.32	0.02	0.20	2.87	77	4.71	74	54	18	7	0	2	0
NV	ELY	90	51	92	44	70	6	0.05	-0.15	0.05	0.28	12	4.26	62	48	12	4	0	1	0
	LAS VEGAS	106	86	108	84	96	7	0.00	-0.07	0.00	0.00	0	2.35	78	25	11	7	0	0	0
	RENO	92	63	95	59	77	6	0.10	0.05	0.10	0.47	47	1.92	39	55	14	7	0	1	0
	WINNEMUCCA	94	58	99	50	76	9	0.06	0.00	0.03	1.34	130	4.61	83	57	12	7	0	3	0
NY	ALBANY	76	57	87	52	67	-2	1.17	0.46	1.04	11.37	102	23.61	91	98	59	0	0	4	1
	BINGHAMTON	80	60	86	53	70	4	2.39	1.63	2.04	12.41	110	35.03	135	95	53	0	0	6	1
	BUFFALO	82	65	89	63	74	5	0.52	-0.19	0.43	9.12	92	24.98	100	84	51	0	0	4	0
	ROCHESTER	81	62	88	56	72	4	0.72	0.00	0.53	9.86	100	21.77	97	95	51	0	0	4	1
	SYRACUSE	84	62	92	54	73	5	2.35	1.57	1.91	11.09	107	26.96	111	90	48	2	0	4	1
OH	AKRON-CANTON	87	67	92	62	77	7	2.66	1.87	1.91	8.84	78	27.83	103	90	53	3	0	4	1
	CINCINNATI	87	69	91	66	78	4	0.49	-0.20	0.31	13.03	119	36.17	122	93	56	1	0	2	0
	CLEVELAND	85	67	90	63	76	5	3.40	2.61	3.01	12.83	126	34.51	137	91	55	1	0	3	1
	COLUMBUS	88	69	94	64	78	5	2.11	1.37	1.39	10.90	91	36.90	134	95	53	2	0	5	2
	DAYTON	88	69	91	59	78	7	0.08	-0.60	0.08	9.70	87	30.95	110	92	54	2	0	1	0
	MANSFIELD	88	67	91	61	78	9	0.99	0.02	0.98	6.84	51	25.48	83	95	53	4	0	2	1

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

Weather Data for the Week Ending August 29, 2020

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 JUN 1	PCT. NORMAL SINCE JUN 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	91	68	95	62	80	9	1.58	0.89	0.87	7.06	72	21.95	95	87	40	6	0	2	2
	YOUNGSTOWN	84	64	90	56	74	6	2.90	2.15	2.33	13.43	119	31.38	121	91	55	2	0	7	1
OK	OKLAHOMA CITY	94	66	102	63	80	-1	0.00	-0.71	0.00	8.28	76	22.81	92	90	36	7	0	0	0
	TULSA	92	70	99	67	81	0	0.23	-0.46	0.23	8.48	79	30.46	112	91	46	5	0	1	0
OR	ASTORIA	68	53	72	49	60	0	0.00	-0.35	0.00	3.46	74	39.82	104	94	62	0	0	0	0
	BURNS	88	48	91	44	68	6	0.01	-0.08	0.01	0.82	51	5.74	80	63	16	2	0	1	0
	EUGENE	85	50	87	48	68	2	0.00	-0.21	0.00	1.80	67	17.67	68	87	23	0	0	0	0
	MEDFORD	92	60	95	57	76	4	0.00	-0.11	0.00	1.22	88	9.17	89	64	19	7	0	0	0
	PENDLETON	86	55	90	53	71	1	0.00	-0.11	0.00	0.88	50	8.91	109	57	16	1	0	0	0
	PORTLAND	82	58	84	57	70	1	0.00	-0.20	0.00	4.07	136	19.17	94	81	31	0	0	0	0
	SALEM	83	53	85	50	68	1	0.00	-0.15	0.00	1.57	63	19.17	87	83	26	0	0	0	0
PA	ALLENTOWN	86	65	93	62	76	5	0.76	0.05	0.28	12.83	100	28.83	97	93	51	1	0	4	0
	ERIE	84	69	88	63	76	7	0.68	-0.09	0.36	8.07	76	24.70	97	84	51	0	0	3	0
	MIDDLETOWN	90	70	96	67	80	8	0.94	0.22	0.53	8.92	79	25.91	97	85	45	4	0	2	1
	PHILADELPHIA	88	71	93	67	79	4	0.76	0.03	0.52	17.39	157	32.71	118	92	51	4	0	3	1
	PITTSBURGH	87	64	93	57	75	5	3.86	3.11	2.86	10.63	93	27.81	105	92	49	1	0	4	2
	WILKES-BARRE	86	65	94	61	76	7	1.00	0.29	0.43	24.14	219	38.26	154	90	47	1	0	4	0
	WILLIAMSPORT	90	64	97	61	77	7	0.64	-0.19	0.48	7.72	65	25.96	97	89	40	3	0	3	0
RI	PROVIDENCE	82	65	91	60	74	3	0.63	-0.14	0.46	6.06	59	23.96	79	93	51	1	0	3	0
SC	CHARLESTON	89	74	94	72	82	2	3.93	2.14	3.00	17.25	91	38.93	111	95	67	5	0	5	1
	COLUMBIA	91	74	94	72	82	2	1.28	0.20	1.23	16.26	107	42.45	134	93	55	4	0	2	1
	FLORENCE	89	74	93	72	82	3	1.15	0.00	1.15	16.67	112	43.20	143	94	58	4	0	1	1
	GREENVILLE	88	71	92	69	80	2	0.11	-0.87	0.04	12.40	96	52.64	163	97	57	4	0	4	0
SD	ABERDEEN	86	62	94	51	74	7	0.66	0.12	0.51	7.45	83	12.07	75	90	46	2	0	3	1
	HURON	87	62	94	49	75	5	1.20	0.71	0.63	9.50	103	14.10	82	96	47	4	0	3	2
	RAPID CITY	90	57	101	46	74	5	0.42	0.13	0.21	5.35	91	10.34	82	84	27	3	0	3	0
	SIOUX FALLS	92	66	96	51	79	10	0.14	-0.52	0.14	6.90	70	14.32	74	84	39	5	0	1	0
TN	BRISTOL	88	67	91	64	77	4	0.78	0.10	0.52	11.75	99	42.03	144	98	52	2	0	3	1
	CHATTANOOGA	89	74	92	72	82	3	0.81	0.10	0.55	11.21	91	47.10	134	93	58	3	0	5	1
	KNOXVILLE	87	71	90	68	79	2	0.66	0.03	0.38	13.64	114	49.91	149	97	58	1	0	3	0
	MEMPHIS	90	73	94	68	82	1	3.93	3.41	1.46	11.36	103	41.12	116	93	54	5	0	4	3
	NASHVILLE	90	72	93	67	81	3	1.84	1.17	0.71	12.35	115	38.28	119	90	53	4	0	5	2
TX	ABILENE	100	73	107	68	86	4	0.00	-0.61	0.00	5.66	72	16.49	98	72	24	7	0	0	0
	AMARILLO	97	65	105	62	81	5	1.42	0.86	1.42	6.92	79	9.99	66	66	21	7	0	1	1
	AUSTIN	101	76	106	70	89	4	0.00	-0.67	0.00	4.61	55	23.56	107	80	31	7	0	0	0
	BEAUMONT	91	75	95	73	83	1	2.43	1.15	1.38	16.94	93	37.63	97	96	61	6	0	4	2
	BROWNSVILLE	96	78	100	75	87	3	0.03	-0.68	0.03	7.00	103	10.53	72	90	50	7	0	1	0
	CORPUS CHRISTI	95	78	98	74	86	2	0.06	-0.83	0.03	7.95	91	15.75	83	90	51	7	0	2	0
	DEL RIO	104	79	108	76	91	6	0.00	-0.61	0.00	1.44	23	8.19	62	67	26	7	0	0	0
	EL PASO	100	74	104	71	87	7	0.00	-0.38	0.00	1.79	40	5.17	81	34	15	7	0	0	0
	FORT WORTH	98	75	106	73	86	2	0.03	-0.48	0.02	7.42	95	32.61	136	83	38	7	0	2	0
	GALVESTON	92	82	95	79	87	3	0.59	0.00	0.34	11.44	0	27.10	0	83	61	7	0	3	0
	HOUSTON	97	77	101	73	87	3	0.23	-0.74	0.22	9.90	75	27.50	87	89	45	7	0	2	0
	LUBBOCK	96	66	103	62	81	4	0.02	-0.42	0.02	3.48	52	8.33	64	67	21	7	0	1	0
	MIDLAND	97	71	102	68	84	4	0.00	-0.46	0.00	0.61	11	6.12	63	55	20	7	0	0	0
	SAN ANGELO	100	71	107	65	86	4	0.00	-0.62	0.00	2.34	40	12.42	89	73	21	7	0	0	0
	SAN ANTONIO	100	75	104	69	87	3	0.00	-0.65	0.00	1.89	21	15.21	73	83	32	7	0	0	0
	VICTORIA	98	75	101	69	86	3	0.21	-0.57	0.18	8.48	75	19.50	73	92	41	7	0	2	0
	WACO	100	74	107	70	87	3	0.00	-0.54	0.00	4.73	66	30.91	140	81	31	7	0	0	0
	WICHITA FALLS	98	68	107	65	83	1	0.00	-0.61	0.00	11.43	142	26.73	137	87	31	7	0	0	0
UT	SALT LAKE CITY	95	71	99	65	83	9	0.12	-0.07	0.12	2.30	102	7.65	73	50	17	7	0	1	0
VA	LYNCHBURG	90	69	92	66	79	6	0.91	0.17	0.87	16.49	150	39.69	144	93	52	3	0	3	1
	NORFOLK	92	76	96	73	84	7	0.28	-0.91	0.28	13.84	94	34.56	109	86	51	5	0	1	0
	RICHMOND	91	73	94	71	82	5	0.02	-1.02	0.02	23.42	182	40.29	135	88	52	3	0	1	0
	ROANOKE	91	71	93	66	81	6	0.09	-0.73	0.08	14.17	127	42.38	152	88	49	5	0	2	0
	WASH/DULLES	90	70	93	69	80	6	1.61	0.86	1.32	17.30	158	34.28	123	95	54	4	0	4	1
VT	BURLINGTON	77	58	87	48	67	0	1.02	0.24	0.76	11.12	96	22.04	92	86	48	0	0	3	1
WA	OLYMPIA	78	47	81	45	63	0	0.00	-0.30	0.00	2.41	73	28.82	104	97	35	0	0	0	0
	QUILLAYUTE	67	49	71	46	58	-1	0.00	-0.68	0.00	8.96	115	58.40	106	76	44	0	0	0	0
	SEATTLE-TACOMA	76	56	81	55	66	1	0.00	-0.25	0.00	2.84	91	24.67	120	83	36	0	0	0	0
	SPOKANE	84	56	86	54	70	3	0.00	-0.14	0.00	0.98	39	9.44	93	54	17	0	0	0	0
	YAKIMA	89	55	90	48	72	5	0.00	-0.08	0.00	0.26	22	2.81	57	60	17	1	0	0	0
WI	EAU CLAIRE	85	65	91	54	75	7	0.67	-0.25	0.39	11.81	96	21.09	96	92	48	1	0	4	0
	GREEN BAY	84	64	91	52	74	8	1.46	0.77	0.75	9.83	93	23.86	118	92	54	1	0	3	2
	LA CROSSE	92	69	97	58	80	10	0.84	-0.05	0.82	10.28	81	20.03	84	88	41	6	0	2	1
	MADISON	87	65	91	55	76	8	1.00	0.09	0.61	14.74	115	28.67	116	96	50	2	0	4	1
	MILWAUKEE	87	70	94	63	78	8	0.56	-0.24	0.56	13.33	118	29.30	122	89	52	3	0	1	1
WV	BECKLEY	82	64	83	61	73	4	1.16	0.52	0.47	15.75	127	40.18	136	100	64	0	0	4	0
	CHARLESTON	88	68	91	64	78	4	2.08	1.32	1.02	9.94	77	38.02	123	96	53	1	0	5	2
	ELKINS	83	64	85	61	73	5	3.60	2.81	1.73	21.51	160	44.63	137	93	58	0	0	5	3
	HUNTINGTON	86	68	89	64	77	3	0.89	0.11	0.42	9.28	77	32.68	109	96	60	0	0	3	0
WY	CASPER	92	55	98	47	74	7	0.00	-0.16	0.00	0.37	9	4.37	48	60	14	6	0	0	0
	CHEYENNE	88	59	94	52	74	8	0.12	-0.23	0.10	3.98	62	7.69	61	60	18	5	0	3	0
	LANDER	91	58	96	52	74	7	0.03	-0.08	0.03	0.49	18	4.82	53	49	16	5	0	1	0
	SHERIDAN	91	55	99	46	73	6	0.13	-0.04	0.08	2.30	58	6.64	66	75	19	4	0	3	0

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

National Agricultural Summary

August 24 - 30, 2020

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Warmer-than-normal weather prevailed across most of the nation. Large parts of the Great Lakes, northern Plains, Rocky Mountains, and Southwest saw temperatures 6°F or more above normal. In contrast, most of New England recorded below-normal temperatures. Most of the western half of the country remained drier than normal, but Tropical Storm Marco (early in the week) and Hurricane Laura (later in the week) brought large amounts of precipitation centered on the Gulf Coast and the lower Mississippi Valley. Rainfall totaled 4 inches or more in parts of Alabama, Arkansas, Louisiana, eastern Texas, and Florida's panhandle.

Corn: By August 30, ninety-four percent of the corn acreage was at or beyond the dough stage, 16 percentage points ahead of last year and 5 points ahead of the 5-year average. By August 30, sixty-three percent of this year's crop was denting, 26 percentage points ahead of last year and 7 points ahead of average. Illinois, Iowa, Minnesota, South Dakota, and Wisconsin had advances of 20 percentage points or more from the previous week. Twelve percent of the nation's corn was mature by August 30, seven percentage points ahead of last year and 2 points ahead of average. On August 30, sixty-two percent of the nation's corn acreage was rated in good to excellent condition, 2 percentage points below the previous week but 4 points above the same time last year. In Iowa, 45 percent of the 2020 corn acreage was rated in good to excellent condition, 5 percentage points below the previous week.

Soybean: Nationally, 95 percent of the nation's soybean acreage had begun setting pods, 11 percentage points ahead of last year and 2 points ahead of the 5-year average. Soybeans setting pods was complete or nearing completion in 14 of the 18 estimating states. Nationally, leaf drop advanced to 8 percent by August 30, five percentage points ahead of last year but equal to the average. On August 30, sixty-six percent of the nation's soybean acreage was rated in good to excellent condition, 3 percentage points below the previous week but 11 points above the same time last year.

Cotton: By August 30, ninety-three percent of the nation's cotton acreage had begun setting bolls, 2 percentage points behind both the previous year and the 5-year average. Boll-setting was complete or nearing completion in 12 of the 15 estimating states. By August 30, twenty-nine percent of the cotton had open bolls, 5 percentage points behind last year but 3 points ahead of average. As of August 30, forty-four percent of the 2020 cotton acreage was rated in good to excellent condition, 2 percentage points below the previous week and 4 points below the same time last year.

Sorghum: By August 30, ninety-six percent of the nation's sorghum acreage had reached the headed stage, 6 percentage points ahead of last year and 2 points ahead of the 5-year average. Fifty-eight percent of the sorghum was at or beyond the coloring stage by August 30, nine percentage points ahead of last year but equal to the average. By August 30, twenty-four percent of the nation's sorghum was mature, 1 percentage point ahead of last year but 5 points behind average. Seventy-three percent of the Texas sorghum acreage was mature by August 30, two percentage points behind last year but 1 point ahead of average. Fifty percent of the nation's sorghum was rated in good to excellent condition on August 30, four percentage points below the previous week and 17 points below the same time last year.

Rice: By August 30, ninety-seven percent of the nation's rice acreage had reached the headed stage, equal to the previous year but 2 percentage points behind the 5-year average. Nationally, 20 percent of the rice had been harvested by August 30, one percentage point ahead of last year but 5 points behind average. On August 30, seventy-six percent of the nation's rice was rated in good to excellent condition, unchanged from the previous week but 6 percentage points above the same time last year.

Small Grains: Ninety-one percent of the nation's oat acreage had been harvested by August 30, ten percentage points ahead of last year and 1 point ahead of the 5-year average. Harvesting of oats was complete or nearing completion in seven of the nine estimating states.

By August 30, producers had harvested 74 percent of the nation's barley crop, 7 percentage points ahead of last year but 9 points behind the 5-year average. Harvest progress advanced 10 percentage points or more during the week in four of the five estimating states.

By August 30, sixty-nine percent of the spring wheat had been harvested, 19 percentage points ahead of last year but 8 points behind the 5-year average. Harvest progress advanced 20 percentage points or more during the week in Idaho, Minnesota, and North Dakota.

Other Acreages: On August 30, seventy-six percent of the peanuts were rated in good to excellent condition, 1 percentage point above the previous week and 9 points above the same time last year.

Crop Progress and Condition

Week Ending August 30, 2020

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

Corn Percent Dough

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
CO	67	70	86	78
IL	80	93	97	93
IN	67	86	94	88
IA	83	91	95	91
KS	88	90	96	92
KY	81	79	91	87
MI	54	77	85	75
MN	81	91	97	91
MO	88	91	97	95
NE	87	96	98	93
NC	98	96	98	99
ND	65	62	79	83
OH	60	81	91	83
PA	68	57	66	75
SD	70	89	95	86
TN	97	94	97	98
TX	95	90	95	95
WI	57	80	88	77
18 Sts	78	88	94	89

These 18 States planted 91% of last year's corn acreage.

Corn Percent Dented

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
CO	19	23	39	37
IL	43	47	71	67
IN	23	35	52	53
IA	35	49	71	56
KS	61	57	71	68
KY	66	58	73	73
MI	13	24	40	32
MN	20	33	63	49
MO	56	69	83	77
NE	49	60	74	60
NC	92	85	90	93
ND	7	8	26	38
OH	14	21	39	43
PA	41	13	30	44
SD	15	30	50	42
TN	85	62	77	88
TX	88	80	83	81
WI	16	24	45	36
18 Sts	37	44	63	56

These 18 States planted 91% of last year's corn acreage.

Corn Percent Mature

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
CO	1	0	4	1
IL	1	1	12	13
IN	1	2	8	8
IA	1	3	11	5
KS	13	8	18	20
KY	35	22	37	41
MI	0	0	1	1
MN	0	0	3	1
MO	4	2	7	21
NE	1	7	11	4
NC	79	58	73	78
ND	0	0	0	2
OH	1	0	1	4
PA	3	0	1	3
SD	0	0	8	4
TN	36	6	22	40
TX	52	60	65	60
WI	0	0	7	3
18 Sts	5	5	12	10

These 18 States planted 91% of last year's corn acreage.

Corn Condition by Percent

	VP	P	F	G	EX
CO	26	18	25	27	4
IL	2	5	23	57	13
IN	3	8	26	50	13
IA	10	15	30	41	4
KS	5	10	29	41	15
KY	1	3	9	63	24
MI	4	13	33	40	10
MN	2	4	15	52	27
MO	2	3	18	61	16
NE	5	10	21	45	19
NC	7	12	23	48	10
ND	3	7	26	50	14
OH	4	13	38	40	5
PA	7	15	35	32	11
SD	3	5	18	64	10
TN	2	4	23	59	12
TX	5	14	39	31	11
WI	2	4	14	50	30
18 Sts	5	9	24	48	14
Prev Wk	4	8	24	49	15
Prev Yr	3	10	29	47	11

Sorghum Percent Headed

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
CO	92	86	91	92
KS	87	90	96	93
NE	96	98	100	99
OK	88	82	85	91
SD	94	93	97	95
TX	95	95	97	96
6 Sts	90	91	96	94

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

Sorghum Percent Coloring

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
CO	16	16	39	37
KS	34	33	48	44
NE	25	43	60	53
OK	38	39	45	50
SD	34	33	50	46
TX	89	81	83	81
6 Sts	49	47	58	58

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

Sorghum Percent Mature

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
CO	1	0	8	1
KS	1	0	2	3
NE	0	1	2	3
OK	13	5	9	18
SD	0	2	4	4
TX	75	70	73	72
6 Sts	23	21	24	29

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

Sorghum Condition by Percent

	VP	P	F	G	EX
CO	20	23	40	15	2
KS	3	8	31	45	13
NE	4	8	31	32	25
OK	8	26	35	30	1
SD	0	3	31	64	2
TX	8	14	33	32	13
6 Sts	6	12	32	39	11
Prev Wk	5	11	30	43	11
Prev Yr	1	5	27	53	14

Crop Progress and Condition

Week Ending August 30, 2020

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

Soybeans Percent Setting Pods

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
AR	94	96	98	97
IL	83	92	97	94
IN	73	91	95	91
IA	88	95	96	94
KS	80	80	87	85
KY	77	76	83	83
LA	100	100	100	100
MI	74	96	100	90
MN	96	98	99	98
MS	94	95	97	96
MO	71	80	88	80
NE	88	98	100	95
NC	82	76	84	82
ND	92	93	97	97
OH	79	93	97	93
SD	82	94	96	93
TN	87	82	91	92
WI	79	93	96	92
18 Sts	84	92	95	93

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

Soybeans Percent Dropping Leaves

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
AR	11	9	14	18
IL	0	0	0	2
IN	0	1	7	7
IA	0	0	4	1
KS	2	4	8	5
KY	1	4	7	4
LA	33	35	57	50
MI	0	1	9	3
MN	0	0	2	2
MS	14	16	26	32
MO	0	0	0	1
NE	1	5	16	8
NC	6	1	5	6
ND	6	7	16	21
OH	0	2	8	4
SD	0	16	20	14
TN	13	2	8	7
WI	0	0	3	1
18 Sts	3	4	8	8

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

Soybean Condition by Percent

	VP	P	F	G	EX
AR	1	5	25	51	18
IL	1	5	22	58	14
IN	3	7	27	50	13
IA	6	12	32	45	5
KS	3	9	32	47	9
KY	1	4	11	62	22
LA	1	4	35	51	9
MI	2	9	29	50	10
MN	1	4	15	57	23
MS	1	8	27	52	12
MO	1	4	20	62	13
NE	5	9	20	47	19
NC	4	8	26	52	10
ND	3	6	27	51	13
OH	4	11	31	47	7
SD	3	5	20	65	7
TN	2	5	19	60	14
WI	2	3	13	48	34
18 Sts	3	7	24	53	13
Prev Wk	2	6	23	55	14
Prev Yr	3	10	32	46	9

Cotton Percent Setting Bolls

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
AL	98	95	97	98
AZ	100	100	100	99
AR	100	100	100	100
CA	94	95	100	87
GA	99	95	98	98
KS	78	78	89	76
LA	100	100	100	100
MS	94	89	93	96
MO	99	73	80	94
NC	97	85	90	96
OK	97	80	90	89
SC	100	83	87	97
TN	99	95	97	98
TX	93	86	92	93
VA	94	90	94	96
15 Sts	95	88	93	95

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

Cotton Percent Bolls Opening

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
AL	43	13	18	33
AZ	58	70	85	57
AR	35	25	49	30
CA	8	5	10	8
GA	39	14	23	30
KS	3	9	17	9
LA	47	40	61	61
MS	25	17	23	35
MO	18	0	1	22
NC	24	5	19	22
OK	14	15	16	11
SC	35	2	4	24
TN	12	2	9	19
TX	37	27	33	24
VA	20	5	15	18
15 Sts	34	22	29	26

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

Cotton Condition by Percent

	VP	P	F	G	EX
AL	0	0	14	72	14
AZ	0	0	4	65	31
AR	0	1	13	46	40
CA	0	0	25	55	20
GA	1	5	22	56	16
KS	3	7	41	43	6
LA	1	8	44	42	5
MS	0	8	27	52	13
MO	2	12	36	49	1
NC	9	12	23	48	8
OK	2	7	55	34	2
SC	5	6	16	54	19
TN	6	11	17	54	12
TX	24	18	29	24	5
VA	0	6	37	57	0
15 Sts	15	13	28	35	9
Prev Wk	12	13	29	37	9
Prev Yr	1	14	37	39	9

Crop Progress and Condition

Week Ending August 30, 2020

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

Rice Percent Headed

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
AR	96	91	95	99
CA	99	90	100	92
LA	99	99	100	100
MS	99	96	97	99
MO	93	86	92	95
TX	100	100	100	100
6 Sts	97	93	97	99

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

Rice Percent Harvested

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
AR	9	1	5	14
CA	0	0	0	0
LA	72	73	80	79
MS	11	3	4	23
MO	0	0	0	2
TX	60	71	77	78
6 Sts	19	17	20	25

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

Rice Condition by Percent

	VP	P	F	G	EX
AR	1	5	28	48	18
CA	0	0	0	80	20
LA	1	3	17	66	13
MS	0	0	31	49	20
MO	1	6	28	49	16
TX	0	0	14	73	13
6 Sts	1	3	20	59	17
Prev Wk	1	3	20	58	18
Prev Yr	1	4	25	47	23

Oats Percent Harvested

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
IA	99	99	99	99
MN	85	88	94	90
NE	98	100	100	99
ND	53	48	71	82
OH	99	100	100	100
PA	82	80	83	86
SD	88	98	99	96
TX	100	100	100	100
WI	71	87	94	84
9 Sts	81	85	91	90

These 9 States harvested 74% of last year's oat acreage.

Spring Wheat Percent Harvested

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
ID	62	52	72	76
MN	59	54	85	83
MT	43	55	74	72
ND	47	39	59	75
SD	72	91	96	90
WA	57	48	62	80
6 Sts	50	49	69	77

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

Barley Percent Harvested

	Prev Year	Prev Week	Aug 30 2020	5-Yr Avg
ID	77	61	81	83
MN	87	89	95	94
MT	63	54	69	80
ND	59	44	70	86
WA	56	57	67	79
5 Sts	67	55	74	83

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

Peanut Condition by Percent

	VP	P	F	G	EX
AL	0	0	8	73	19
FL	1	1	21	75	2
GA	1	5	18	57	19
NC	1	7	23	55	14
OK	0	0	8	86	6
SC	3	2	14	60	21
TX	1	8	29	61	1
VA	0	0	47	52	1
8 Sts	1	4	19	62	14
Prev Wk	1	5	19	61	14
Prev Yr	1	5	27	57	10

Crop Progress and Condition

Week Ending August 30, 2020

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

Pasture and Range Condition by Percent
Week Ending Aug 30, 2020

	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	3	25	68	3	NH	15	31	49	5	0
AZ	28	40	28	4	0	NJ	0	0	30	70	0
AR	4	14	39	37	6	NM	20	35	32	8	5
CA	45	10	35	10	0	NY	2	21	41	29	7
CO	26	31	36	6	1	NC	1	4	31	59	5
CT	30	30	25	15	0	ND	5	20	41	31	3
DE	1	7	35	50	7	OH	11	22	34	32	1
FL	1	2	16	58	23	OK	6	24	38	31	1
GA	4	8	29	51	8	OR	34	42	15	9	0
ID	8	24	43	24	1	PA	19	21	34	25	1
IL	3	7	28	54	8	RI	30	30	25	15	0
IN	6	15	35	39	5	SC	0	7	26	58	9
IA	18	31	35	15	1	SD	8	19	46	26	1
KS	6	14	36	40	4	TN	1	5	32	51	11
KY	2	9	26	56	7	TX	19	34	33	13	1
LA	0	8	25	65	2	UT	11	23	43	23	0
ME	4	20	42	34	0	VT	0	0	0	79	21
MD	0	16	30	39	15	VA	1	6	29	54	10
MA	30	30	25	15	0	WA	22	24	39	13	2
MI	7	22	38	31	2	WV	4	6	13	73	4
MN	4	8	31	49	8	WI	2	9	27	40	22
MS	1	8	29	53	9	WY	35	38	23	4	0
MO	2	12	31	49	6	48 Sts	18	28	32	19	3
MT	16	26	35	16	7						
NE	17	30	30	20	3	Prev Wk	16	26	34	21	3
NV	10	20	40	30	0	Prev Yr	5	13	29	44	9

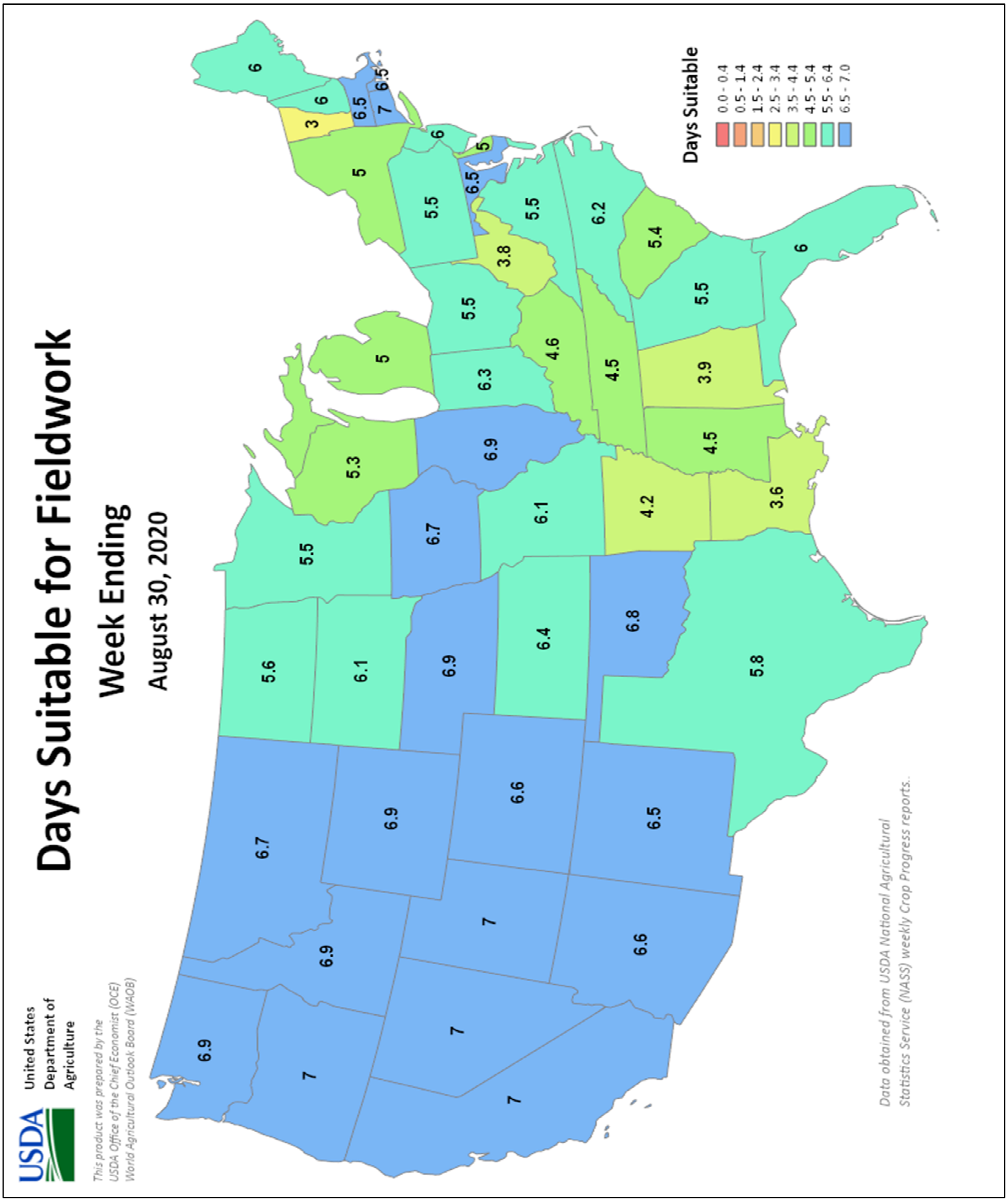
VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
*** Revised**

Crop Progress and Condition

Week Ending August 30, 2020

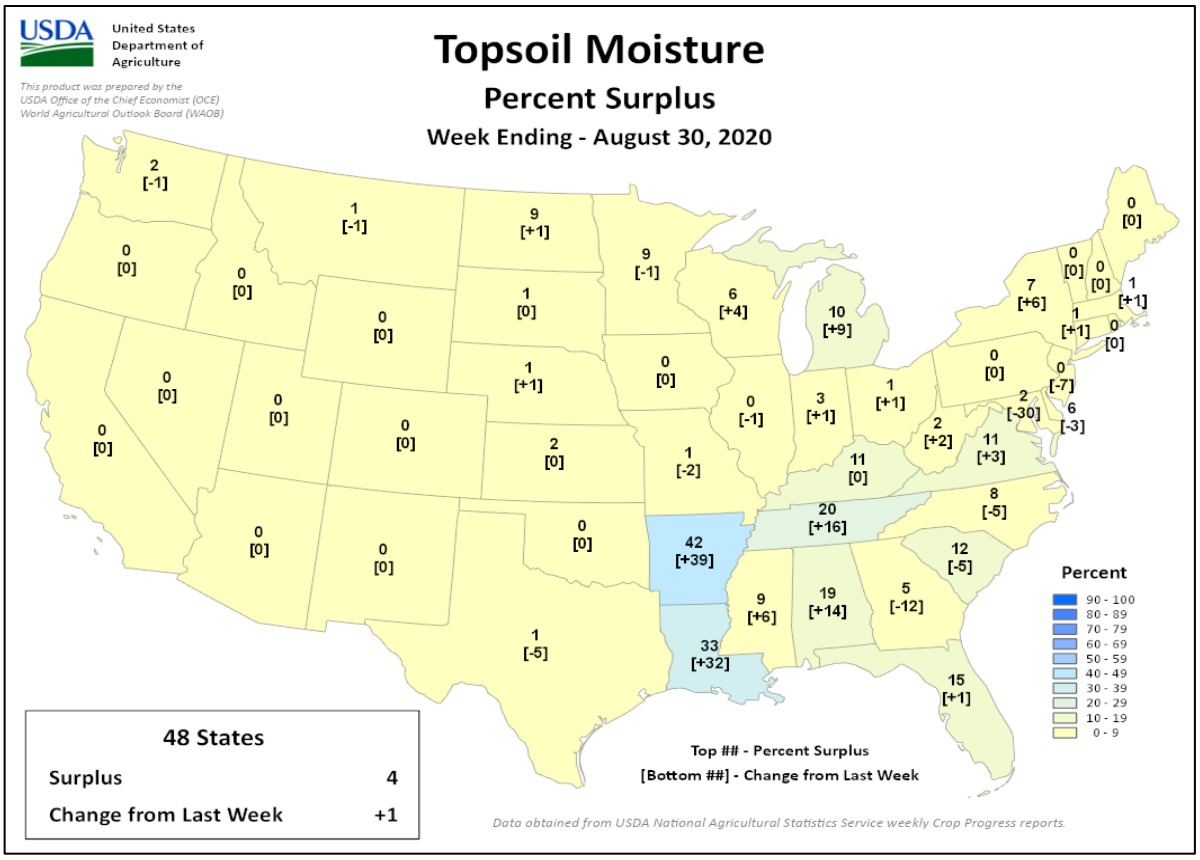
Weekly U.S. Progress and Condition Data provided by USDA/NASS

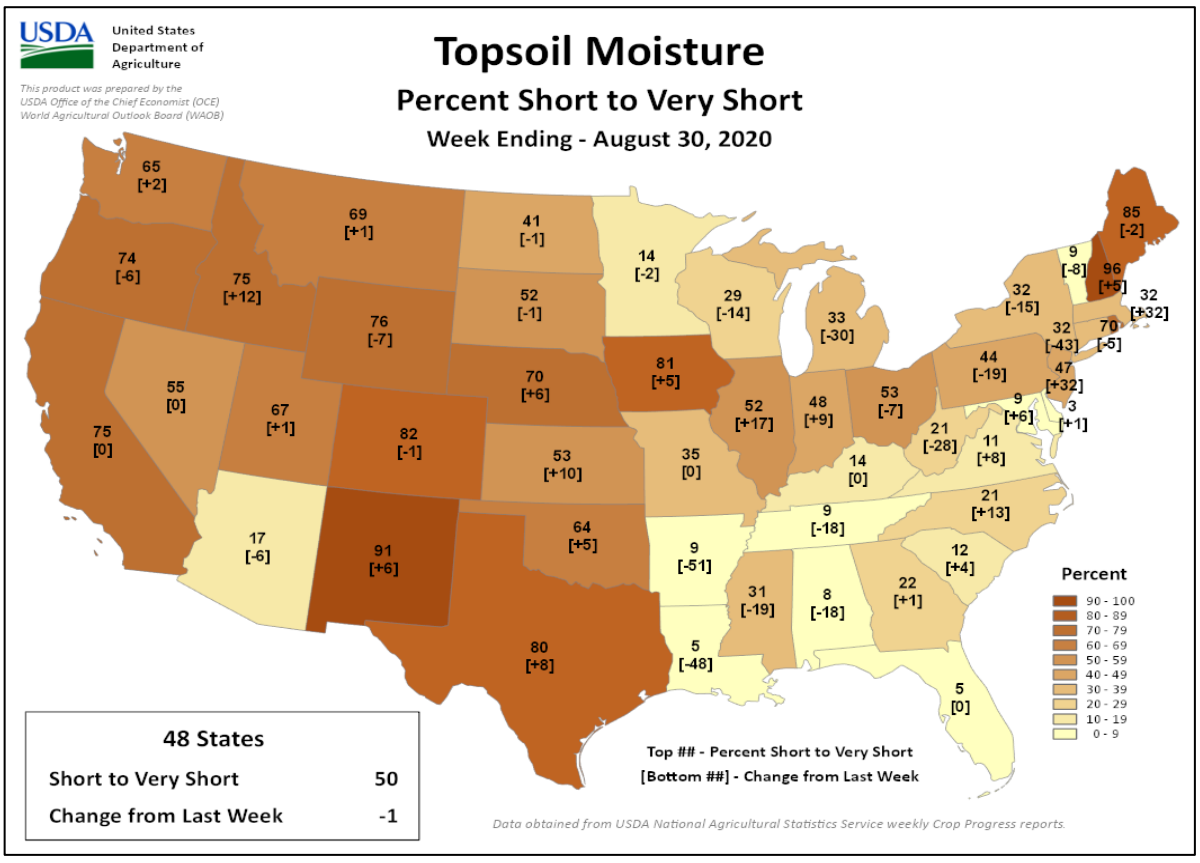


Crop Progress and Condition

Week Ending August 30, 2020

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

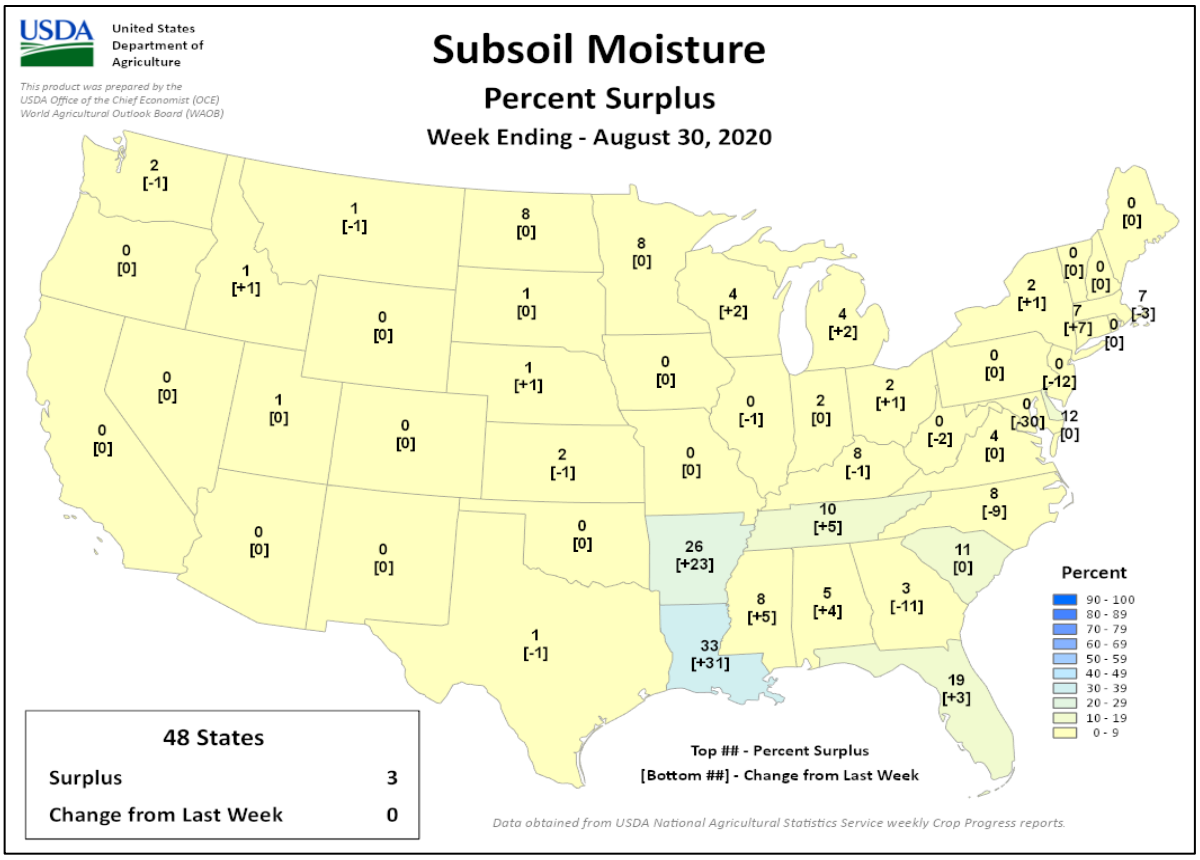


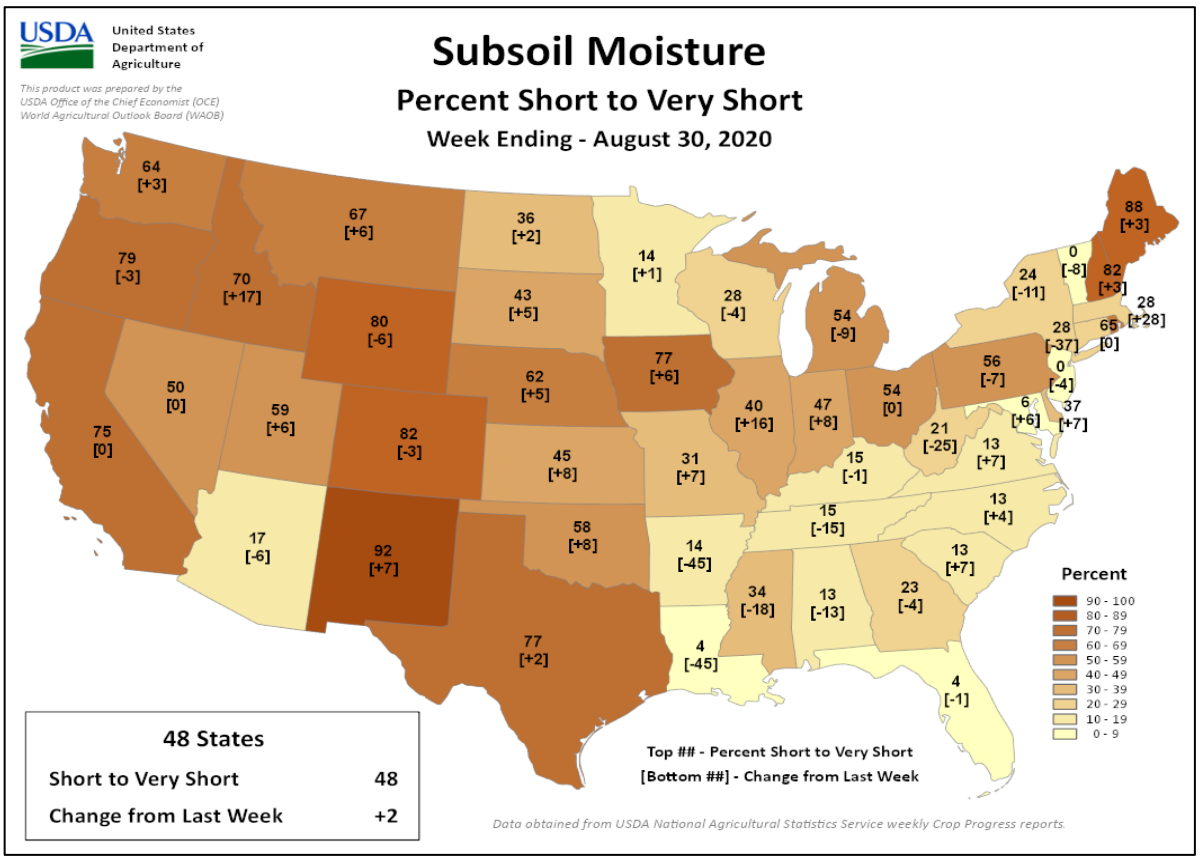


Crop Progress and Condition

Week Ending August 30, 2020

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





International Weather and Crop Summary

August 23-29, 2020

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

HIGHLIGHTS

EUROPE: Additional widespread showers further improved soil moisture for winter crop planting over much of Europe, especially in previously-dry France.

WESTERN FSU: Acute short-term dryness and drought further lowered yield prospects for filling summer crops in Ukraine.

EASTERN FSU: Widespread rain boosted moisture supplies for later-developing spring grains in east-central Russia, while showers were untimely for maturing cotton in southern portions of the region.

MIDDLE EAST: Sunny skies and near-normal temperatures maintained favorable yield prospects for summer crop maturation and drydown in Turkey.

SOUTH ASIA: Downpours continued across central India's growing areas, further improving moisture conditions for oilseeds and rice but causing some localized flooding.

EASTERN ASIA: Typhoon Bavi produced widespread rainfall on the Korean Peninsula and northeastern China.

SOUTHEAST ASIA: Drier weather prevailed in much of the region following beneficial rainfall over the last few weeks.

AUSTRALIA: Sunny skies and adequate moisture supplies favored winter crop development in most areas.

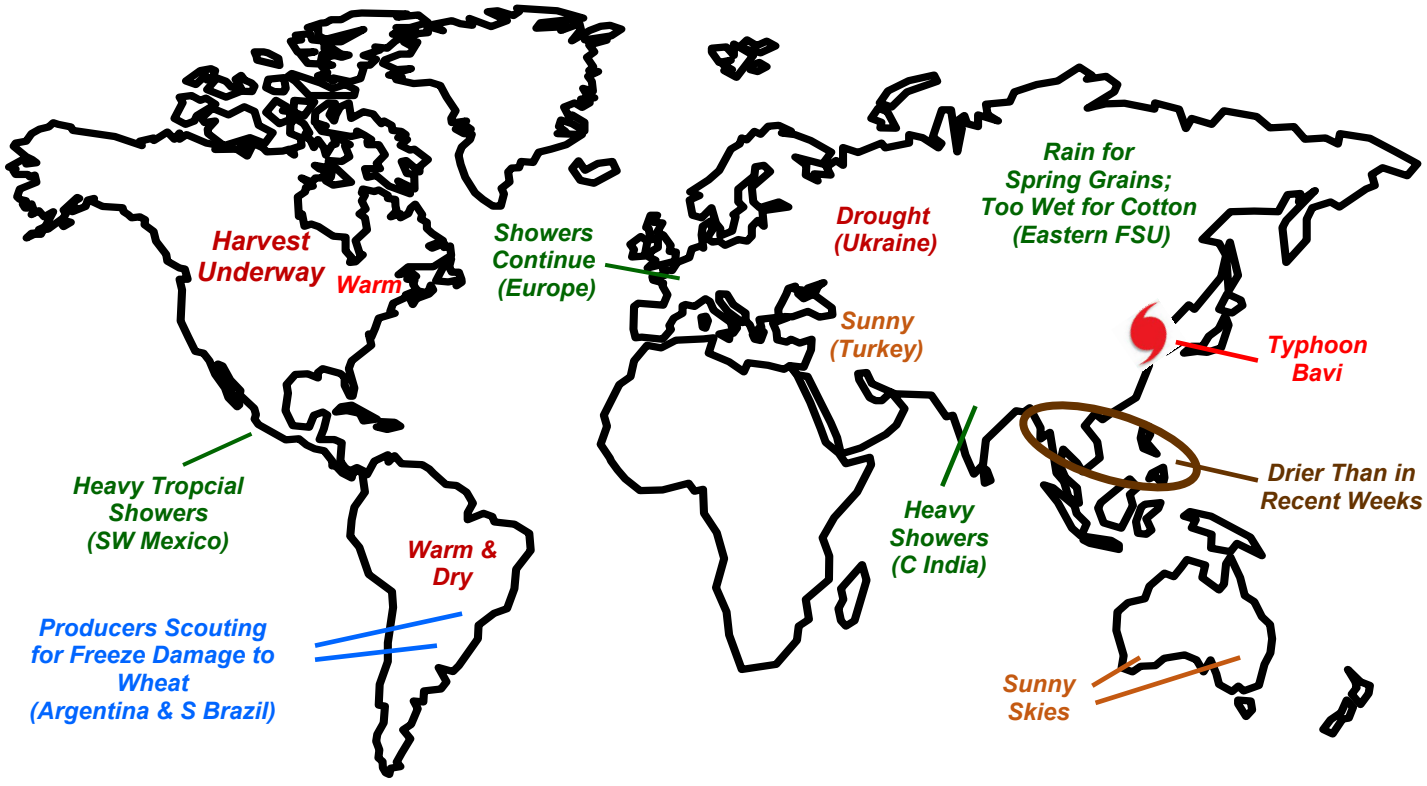
ARGENTINA: Warmer conditions favored wheat development, aiding assessment of potential damage from last week's freeze.

BRAZIL: Warm, sunny weather spurred wheat growth after last week's untimely southern frost.

MEXICO: Tropical showers developed over the southwestern coast, but drier conditions prevailed farther north.

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

SOUTHEASTERN CANADA: Warm, showery weather benefited late-developing summer crops in Ontario, though pockets of dryness persisted.



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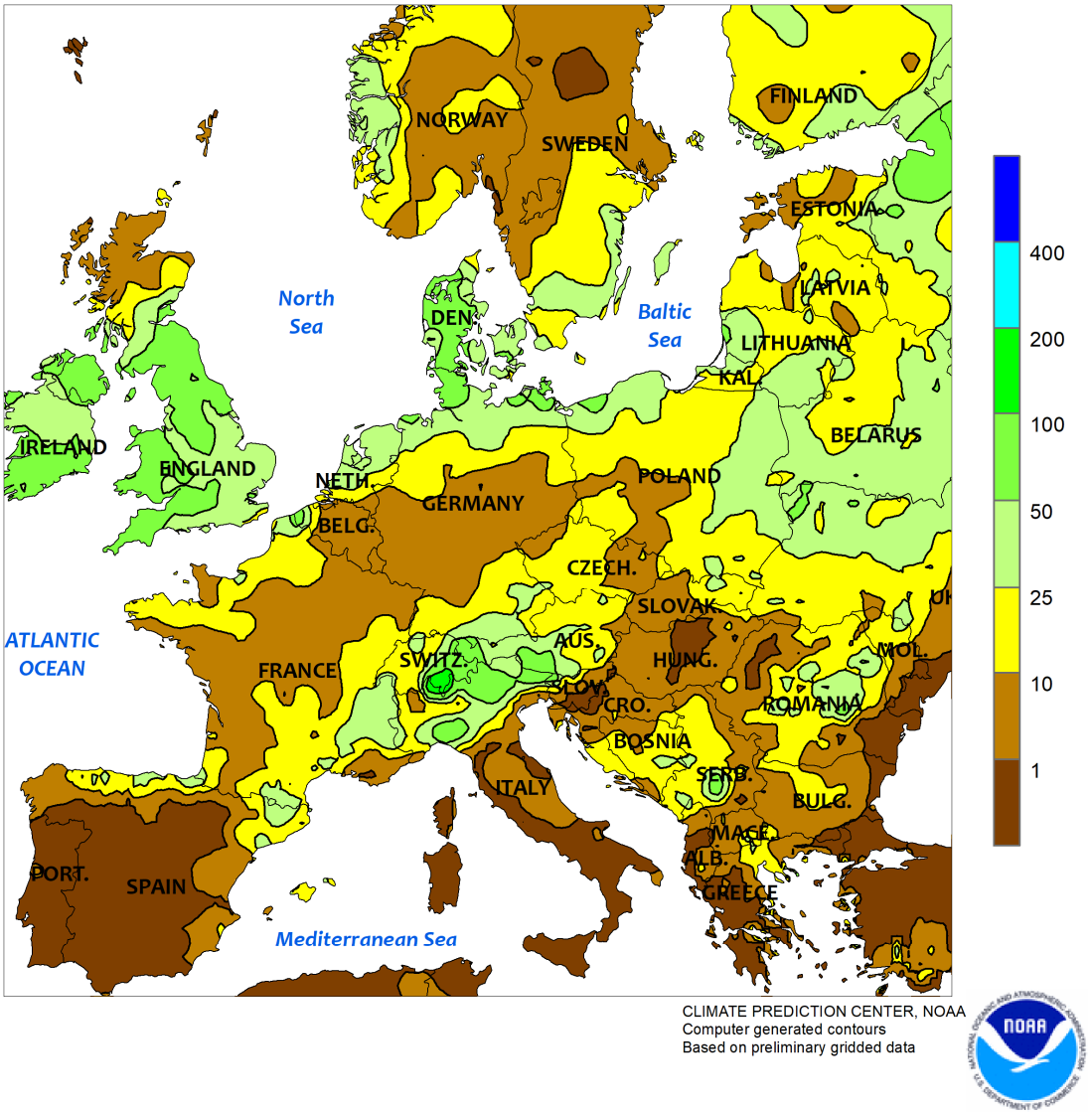
EUROPE
Total Precipitation (mm)
August 23 - 29, 2020



EUROPE

Widespread showers maintained or improved moisture supplies for winter crop planting, though pockets of dryness and drought lingered in France and the southern Balkans. A series of disturbances tracked eastward across northern and southern portions of the continent. One subsequent area of moderate to heavy rainfall (10-80 mm, locally more) extended from England and northern France into the Baltic States, while another area of similar wetness was noted from southern France eastward into eastern and southeastern Europe. In between, showers were lighter (less than 10 mm) but nevertheless widespread. Consequently, soil moisture supplies were generally favorable for winter crop planting, though dry conditions persisted in parts of central France, eastern Germany, and northwestern Poland. Furthermore, acute drought lingered in northeastern Bulgaria and southeastern Romania, further reducing soil moisture supplies locally for winter crop planting and emergence. Summer crops were mostly in the latter stages of filling to maturing, and this week's rain had little significant impact on yield prospects for corn, soybeans, and sunflowers. Temperatures averaged up to 2°C below normal in the far north, while late-summer heat (up to 3°C above normal, with daytime temperatures reaching 38°C) was noted from Italy into the lower Danube River Valley.

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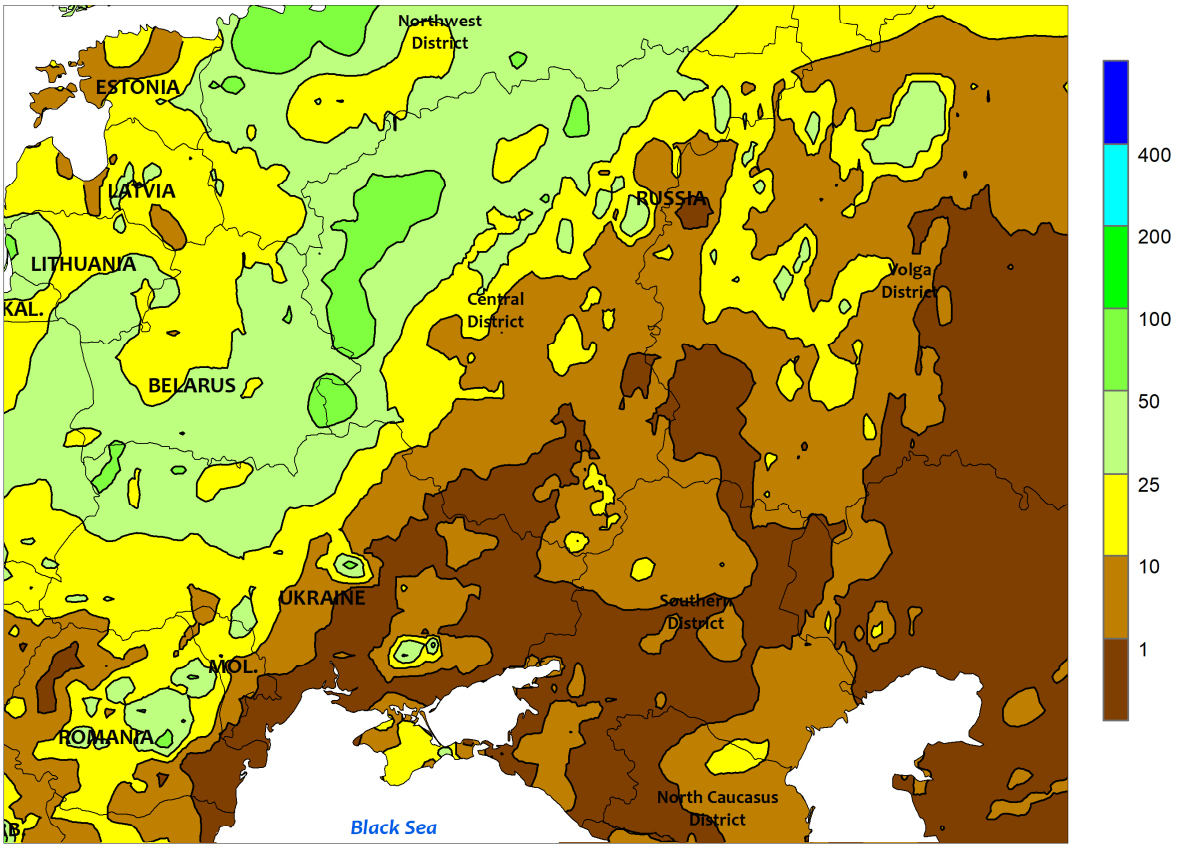
WESTERN FSU
Total Precipitation (mm)
August 23 - 29, 2020



WESTERN FSU

Mostly dry weather in central and eastern growing areas contrasted with widespread rain in the west and north. An expansive area of high pressure stretching from the Black Sea Coast into west-central Russia maintained mostly sunny skies but near-normal temperatures, promoting the development of filling to maturing summer crops in areas with sufficient soil moisture. However, intensifying drought continued to cut yield prospects for filling summer crops in west-central and eastern Ukraine as well as parts of western Russia; in these locales, 90-day rainfall has totaled locally less than 50 percent of normal. Despite the dry weather pattern, scattered showers (2-15 mm) dotted western Russia, maintaining soil moisture locally. Meanwhile, moderate to heavy rain (10-75 mm, locally more) swept across western and northern portions of the region, improving soil moisture for later-developing summer crops in western Ukraine while maintaining adequate to abundant moisture supplies from Belarus into northwestern Russia.

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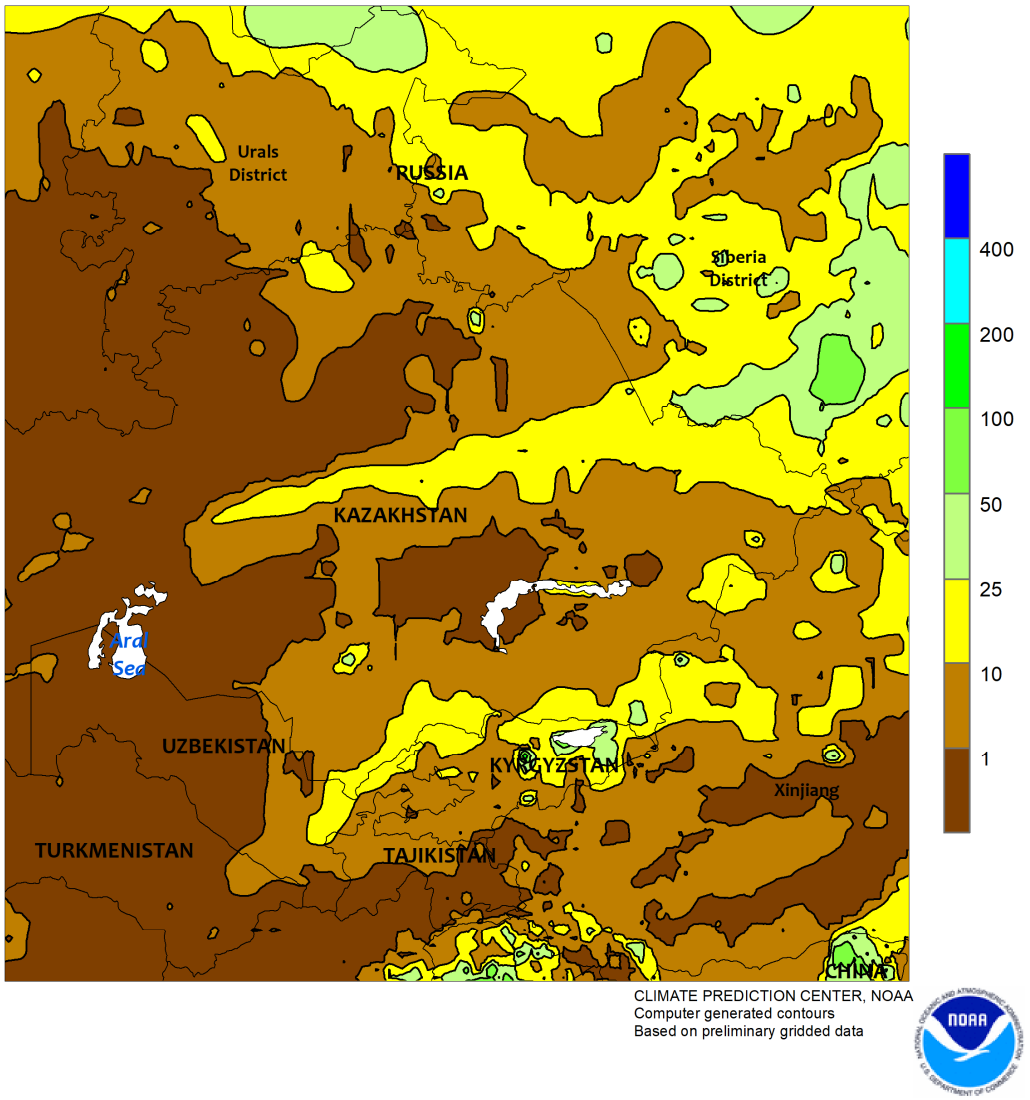
EASTERN FSU
Total Precipitation (mm)
August 23 - 29, 2020



EASTERN FSU

Rain in eastern and southern portions of the region contrasted with dry, warm weather in western growing areas. A broad area of high pressure provided sunny skies and near- to above-normal temperatures (up to 2°C above normal) across northern Kazakhstan and neighboring portions of central Russia, accelerating spring grains toward maturity and favoring early harvest activity. Wet weather over the preceding 30 days eased summer drought in these same croplands, and later-developing spring grains benefited from the return of drier weather. Meanwhile, moderate to heavy rain (10-80 mm) across Russia's Siberia District favored filling spring wheat following localized drought in southwestern portions of this crop area; conditions remained highly variable for Russia's spring wheat and barley. Farther south, scattered showers (1-20 mm) were unfavorable for open-boll to maturing cotton across central and eastern Uzbekistan and environs, and some localized adverse quality or yield impacts were possible.

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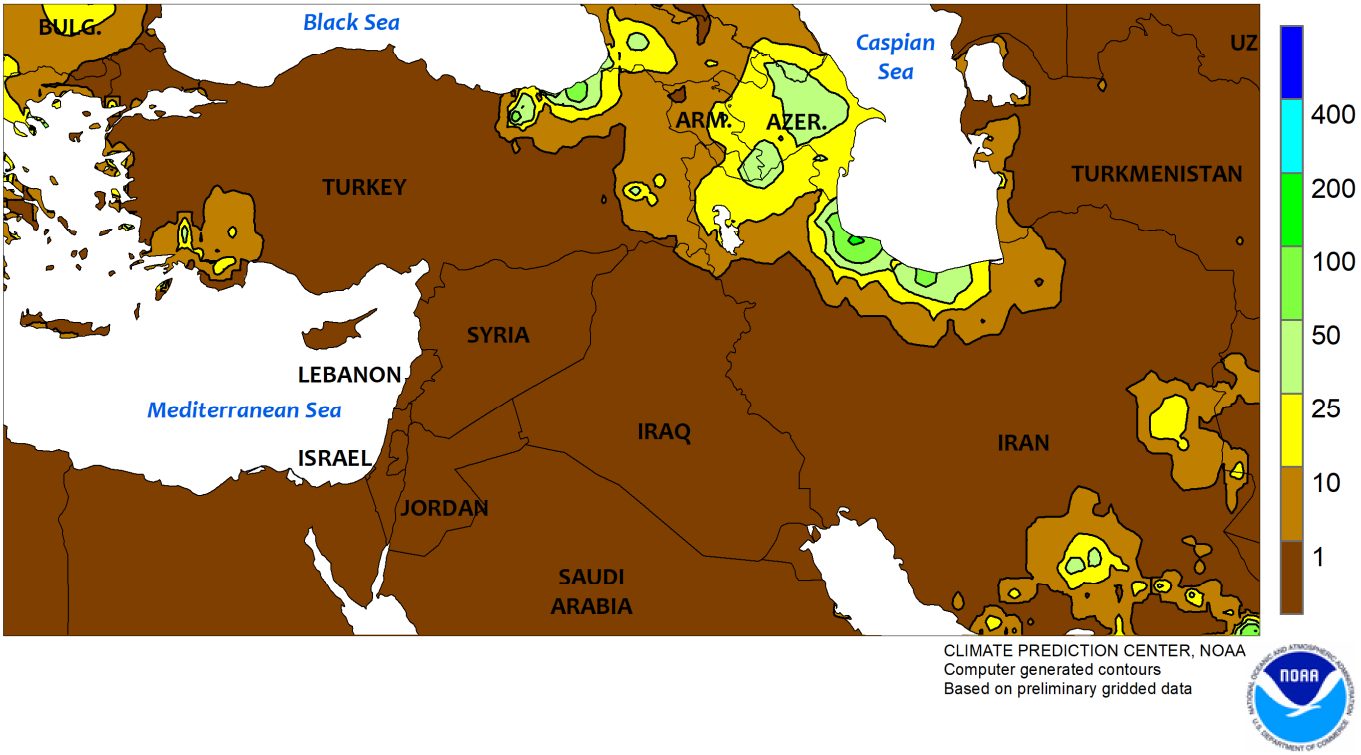
MIDDLE EAST
Total Precipitation (mm)
August 23 - 29, 2020



MIDDLE EAST

Seasonably sunny skies in Turkey favored maturing summer crops. Temperatures up to 2°C above normal across much of Turkey advanced corn, sunflowers, and cotton toward maturity and encouraged early harvesting. Satellite-derived vegetation health data continued to depict good to excellent yield prospects over nearly all of Turkey, particularly in western and northwestern portions of the country.

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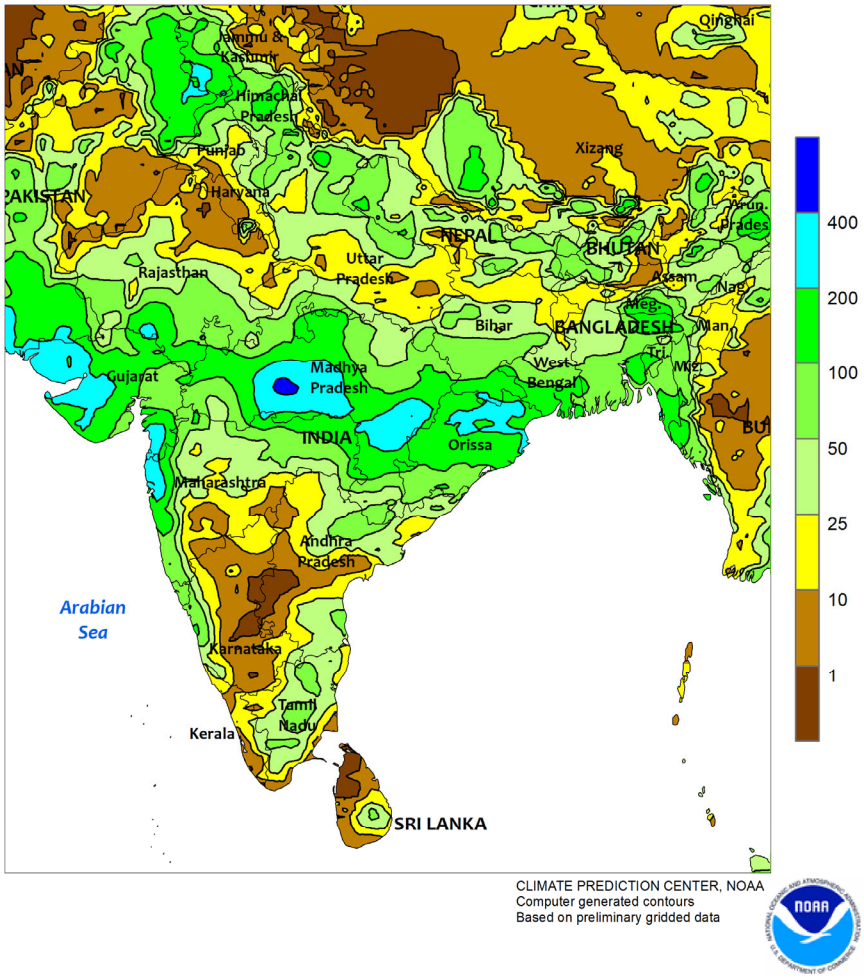
SOUTH ASIA
Total Precipitation (mm)
August 23 - 29, 2020



SOUTH ASIA

Drenching showers continued across central India, maintaining favorable moisture supplies for kharif crops but causing some localized field ponding. Across much of the western oilseed areas (western Madhya Pradesh and environs), 50 to 100 mm of rain added to already impressive August totals and stemmed concerns over reduced yields following last month's poor rainfall. In fact, some locales reported rainfall in excess of 600 mm, saturating soils and locally flooding some fields. Additionally, eastern rice areas (Orissa and environs) that had missed beneficial rain previously received 50 to over 200 mm boosting moisture supplies. Meanwhile, cotton in Gujarat, Maharashtra, and Telangana continued to benefit from good moisture conditions. Elsewhere, unseasonably heavy showers (over 100 mm) in parts of northern India and Pakistan were less favorable for rice and cotton that were farther along in development and would benefit from drier weather.

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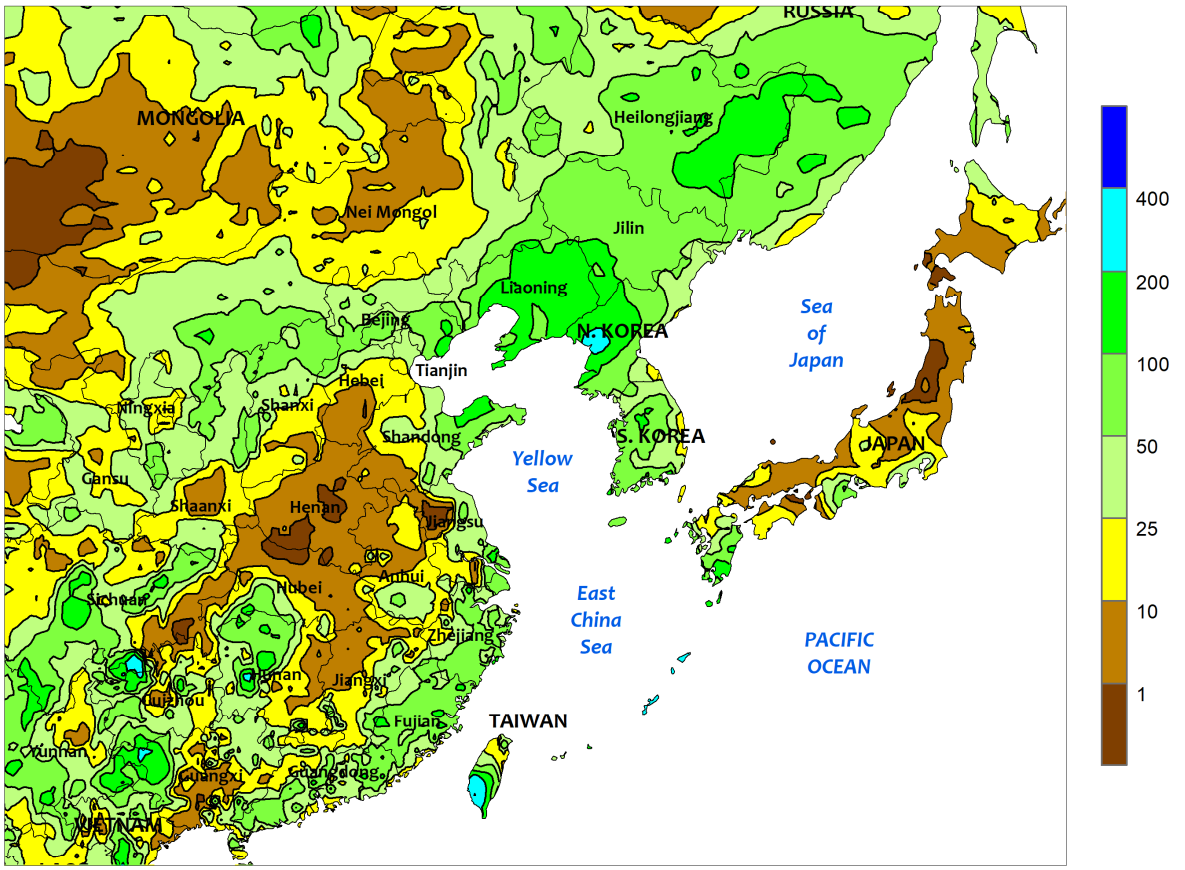
EASTERN ASIA
Total Precipitation (mm)
August 23 - 29, 2020



EASTERN ASIA

Typhoon Bavi moved into the Yellow Sea mid-week and made landfall in North Korea toward the end of the period. Bavi's sustained winds approached 100 knots prior to making landfall and was the strongest storm this season in terms of central pressure. In addition, the storm produced 50 to 200 mm of rain along the eastern seaboard of China and throughout much of the northeast, while drenching parts of North Korea with over 200 mm; most of South Korea received less than 100 mm. Although the rainfall eased local moisture deficits, most summer crops were beginning to mature and drier weather would have been preferable. Meanwhile, a large pocket of drier weather on the North China Plain and middle Yangtze Valley supported maturing summer crops. Elsewhere, unseasonable dryness continued across much of Japan, further lowering irrigation supplies for rice.

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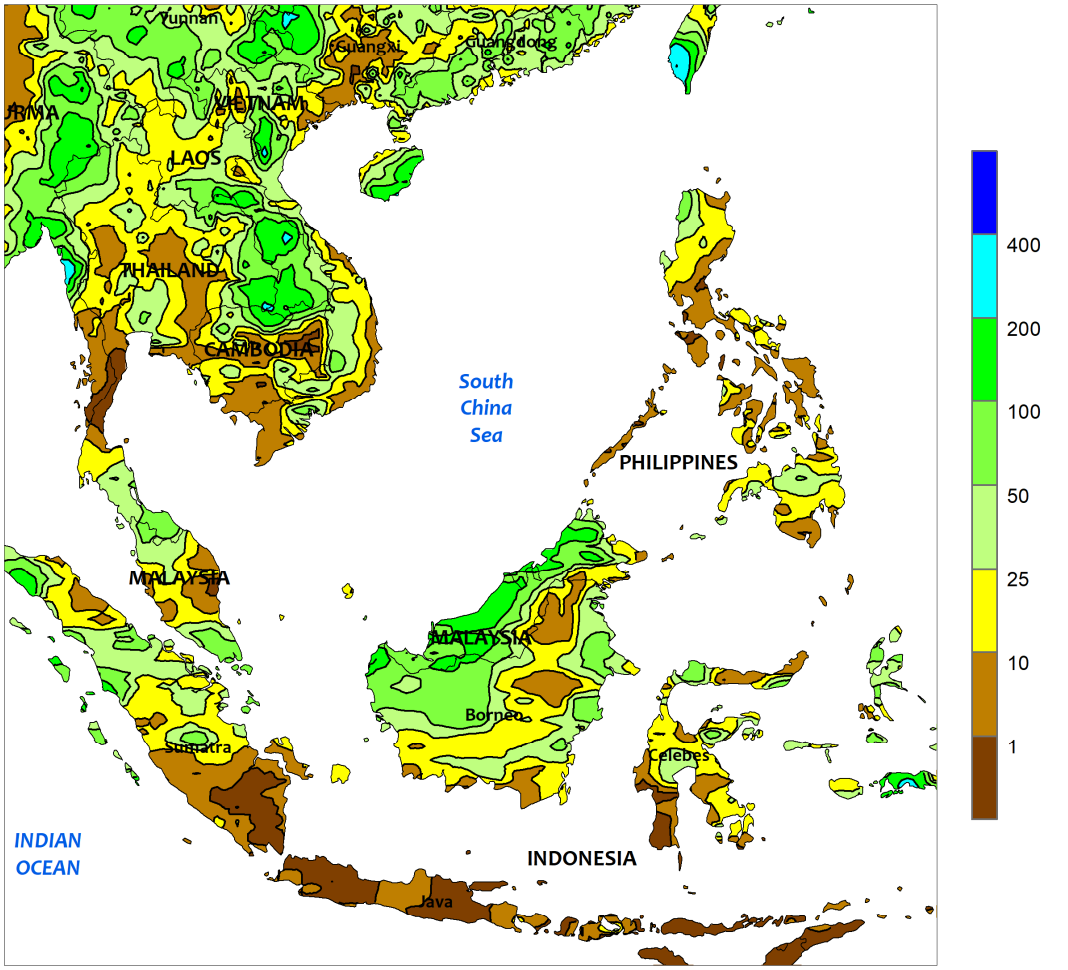
SOUTHEAST ASIA
Total Precipitation (mm)
August 23 - 29, 2020



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

SOUTHEAST ASIA

Somewhat drier weather prevailed in the region as Typhoon Bavi, in the East China Sea, disrupted the normal monsoon circulation. Rainfall totals were generally less than 25 mm in Thailand and Cambodia, with parts of Laos and Vietnam recording 25 to 50 mm. In addition, rainfall was spotty throughout the Philippines. While recent improvements in short-term moisture conditions helped stave off declines in rice yields across Thailand and Indochina, more rain is needed to bolster irrigation supplies for dry-season sowing later in the year. Meanwhile, unseasonably light showers (less than 25 mm in most areas) were reported in western oil palm locales of Malaysia and Indonesia, with more seasonable amounts (50-100 mm) in the eastern growing areas.

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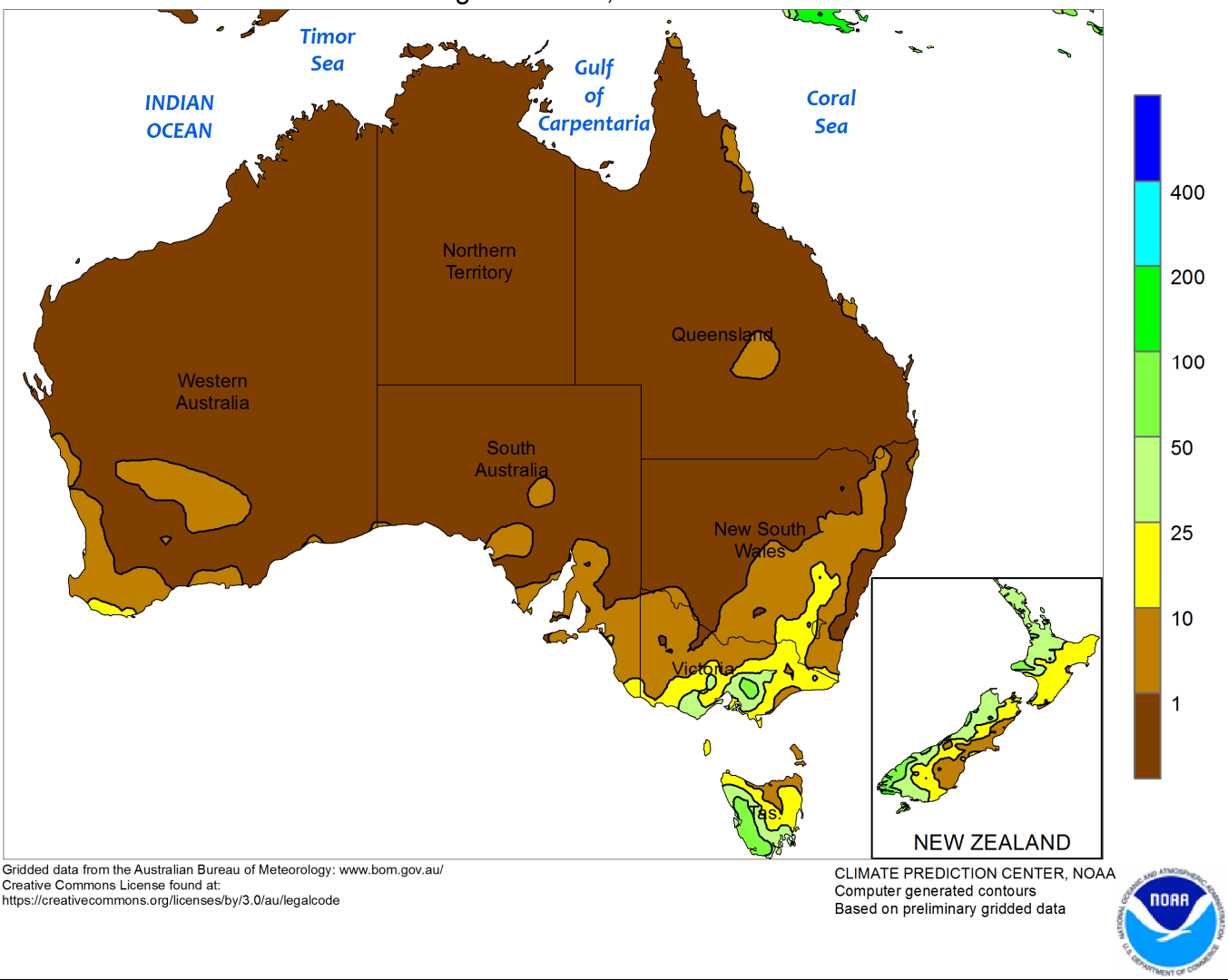
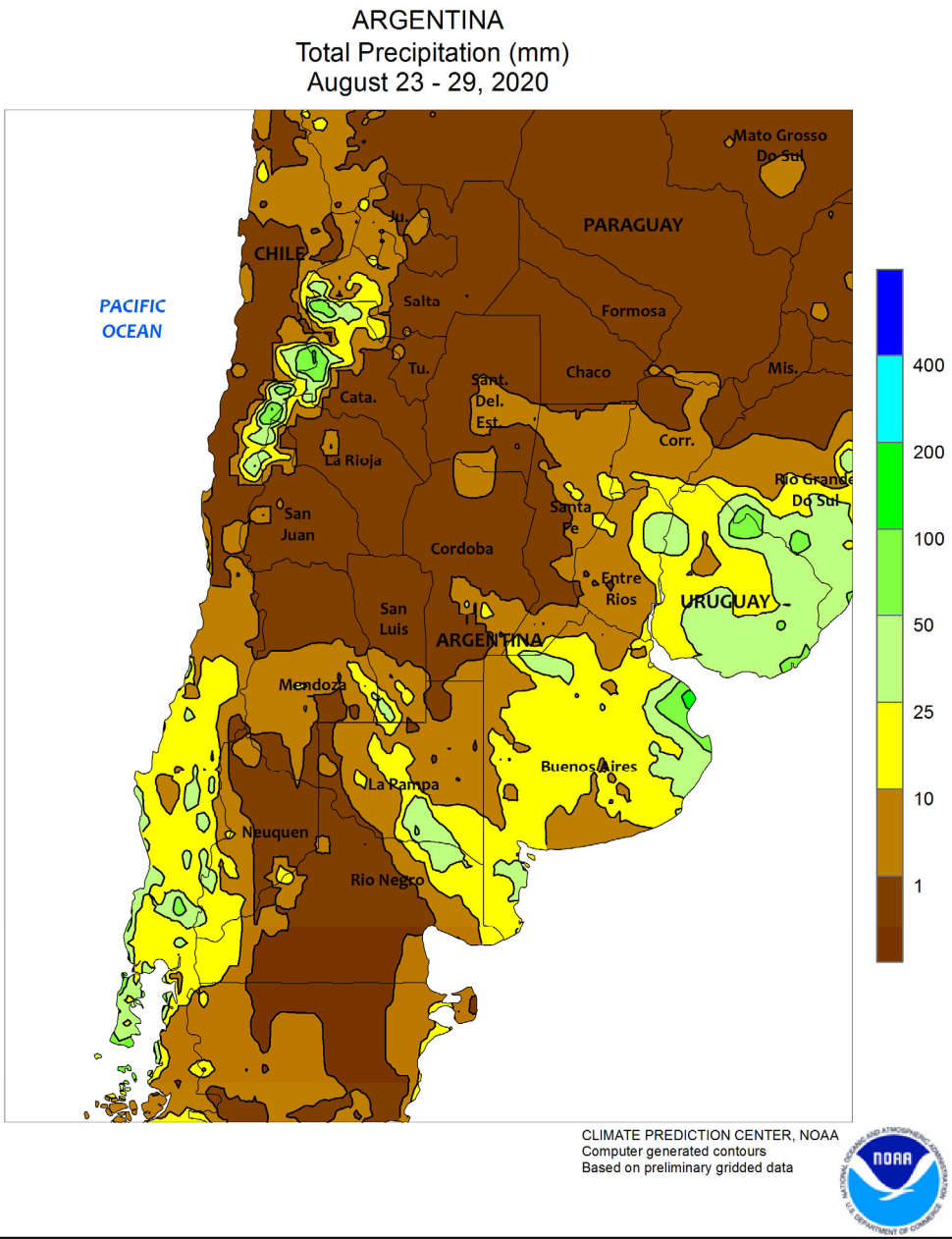


AUSTRALIA

Aside from a concentrated area of rain (5-25 mm) in the far south and east, mostly dry weather prevailed throughout the wheat belt. Although the weather was relatively dry, sunny skies and generally adequate moisture supplies favored winter grain and oilseed development in most areas, helping to maintain good to locally excellent yield prospects. In southern Queensland, however, where rainfall has been below normal and the state continues to recover from long-term drought, wheat and other winter crops would welcome more rain as crops enter and advance through reproduction. Cooler-than-normal weather (temperatures averaging 2-4ºC below normal) settled into eastern Australia, slowing the pace of crop development. Temperatures dipped below freezing (as low as -2ºC) in some areas as well, potentially causing isolated freeze injury to crops in northern parts of the wheat belt. Elsewhere, temperatures averaged 1 to 2ºC above normal in Western Australia.

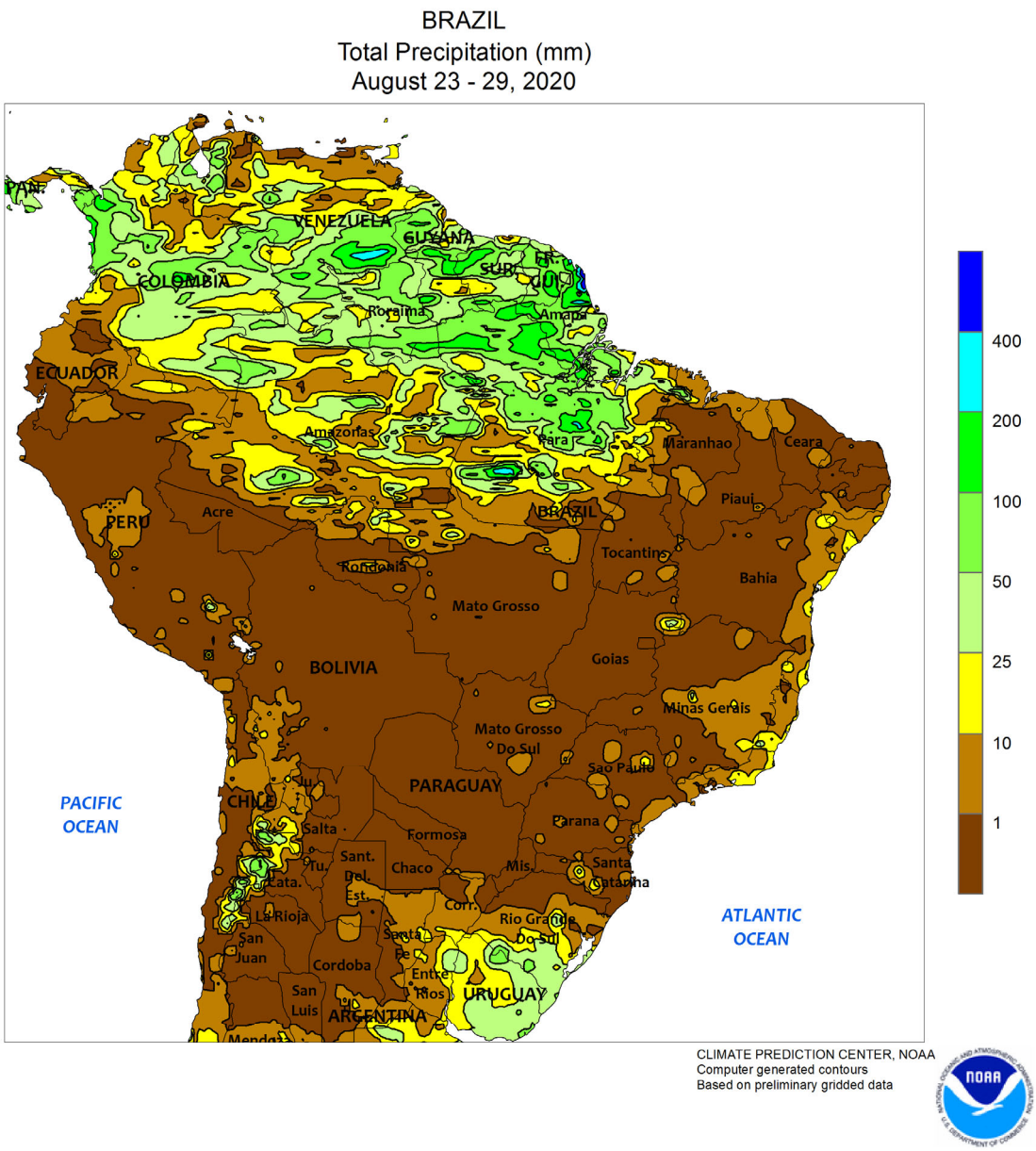
For additional information contact: mark.brusberg@usda.gov



ARGENTINA

Warmer weather returned to Argentina, spurring growth of winter grains in the aftermath of last week's freeze. In central Argentina (La Pampa, Buenos Aires, and southern farming areas of Cordoba, Santa Fe, and Entre Rios), weekly temperatures averaged 1 to 5°C above normal with daytime highs reaching 30°C in northern parts of the region. Nighttime lows fell below 5°C at most locations and frost was possible, but temperatures mostly stayed above freezing. Warm weather (weekly temperatures averaging 4-7°C above normal, with daytime highs approaching 40°C) prevailed across northern Argentina. Showers (rainfall totaling 10-25 mm) increased moisture for wheat and barley in Buenos Aires but most other locations remained dry. According to the government of Argentina, sunflowers were 12 percent planted as of August 27, led by Santa Fe with 48 percent planted (versus 41 percent last year). Other reports from Argentina depicted noticeable damage from the combination of dryness and the freeze.

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



BRAZIL

Warm, sunny weather in southern farming areas helped producers identify possible damage from the previous week's frost. Weekly temperatures averaged 2 to 4°C above normal from Mato Grosso southward through Rio Grande do Sul, with daytime highs reaching the 30s (degrees C) and no freeze; rain (10-25 mm) was generally confined to southern Rio Grande do Sul north of the main wheat production areas. According to the government of Parana, only 20 percent of wheat had not reached reproduction by August 24. In Rio Grande do Sul, where wheat is planted later, 40 percent had reached reproduction as of August 27; that state's report depicted some damage had occurred to reproductive and filling wheat and scouting was underway. Dry weather elsewhere favored seasonal fieldwork. According to the government of Mato Grosso, cotton was 95 percent harvested as of August 28. The rainy season typically begins by late September in Mato Grosso, and a timely start is needed to support large-scale soybean planting.

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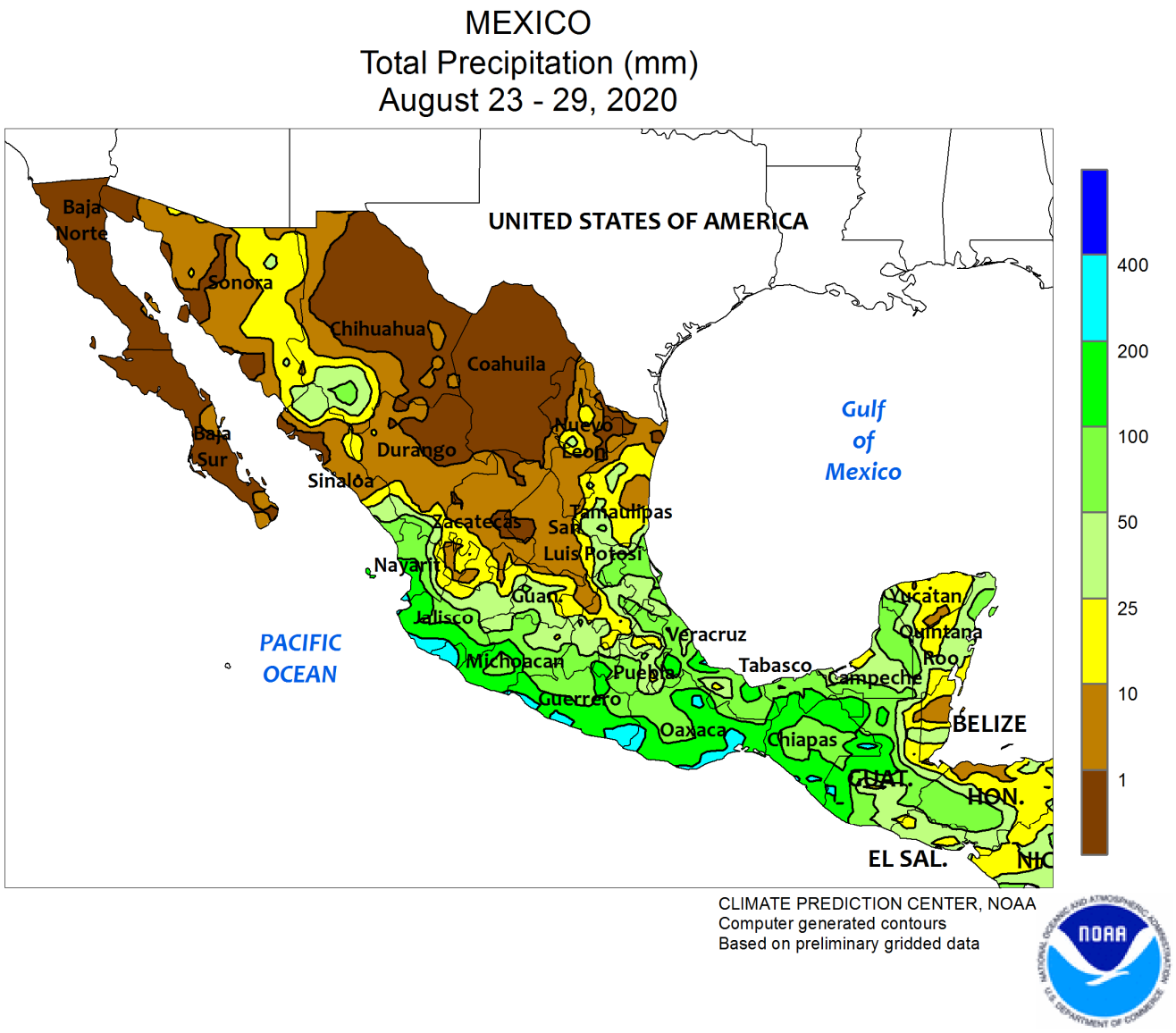
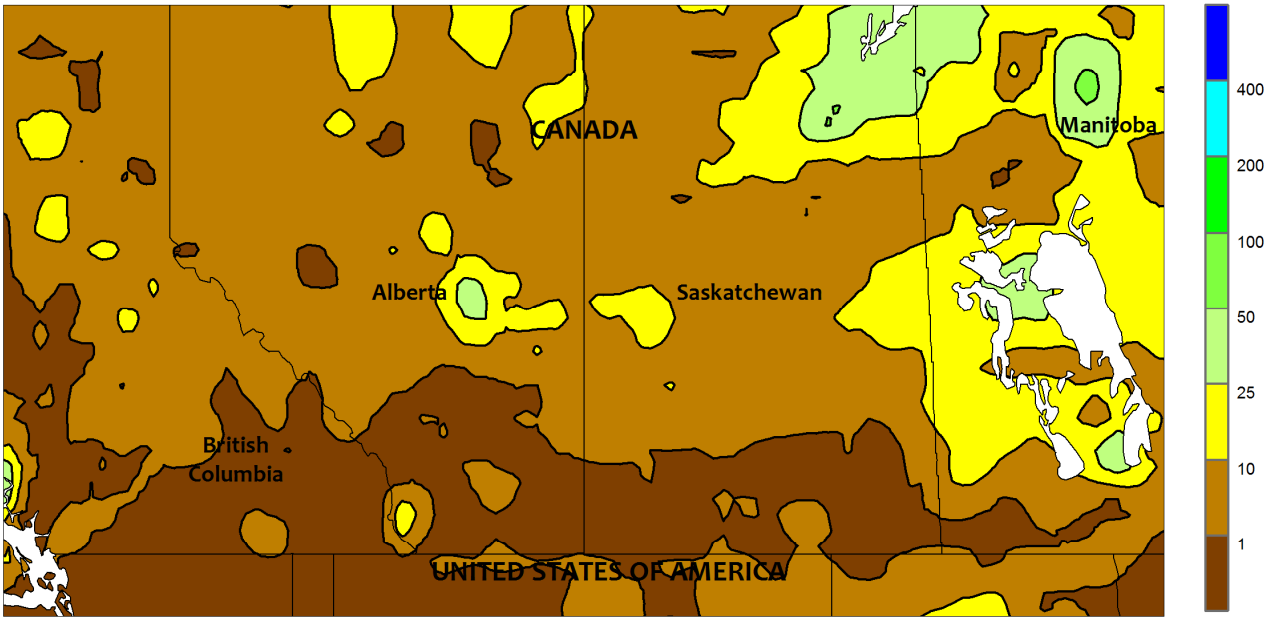


MEXICO

While tropical showers inundated the southwestern coast, conditions became gradually drier toward the northern border. Much of the rainfall (100-200 mm, locally higher) was generated by Tropical Storm Hernan, which passed offshore near the coast of Jalisco from August 26 to 28, although similar amounts were recorded as far east as Chiapas. Moderate to heavy rain (25-50 mm or more, locally approaching 100 mm) also fell along the Gulf Coast, providing moisture for sugarcane and other crops in Veracruz, Tabasco, and Campeche. Somewhat lighter showers (10-50 mm) continued across much of the southern plateau, with the lightest amounts in the more northerly production areas. Scattered, generally light showers were recorded in northeastern and northwestern farming areas, where unseasonable heat (daytime highs reaching 40°C) sustained high water demands of livestock and irrigated summer crops.

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

CANADIAN PRAIRIES
Total Precipitation (mm)
August 23 - 29, 2020



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

CANADIAN PRAIRIES

Warm, sunny weather favored drydown and harvesting of spring grains and oilseeds. Dry weather dominated from southern Alberta to southern Manitoba, with light rain (less than 10 mm) falling in most other locations. An exception was in Manitoba's northwestern farming areas and neighboring locations in Saskatchewan, where moderate rain (10-25 mm) fell. Weekly temperatures averaged 1 to 2°C above normal from southern Alberta to Manitoba, with daytime temperatures reaching as high as the lower and middle 30s (degrees C). Cooler conditions (daytime highs capped in the lower 20s) in Alberta's prevailed in northern farming areas. Nighttime lows fell below 5°C across the region but no freeze was reported. In Saskatchewan, crops were 15 percent harvested as of August 24, 3 points ahead of the 5-year average; meanwhile, harvesting in Alberta was 6 percent complete as of August 25, lagging the 5-year average by 2 points. In contrast, spring wheat and canola harvesting were 23 and 2 percent complete, respectively, lagging 3-year average rates of both crops by more than 20 points.

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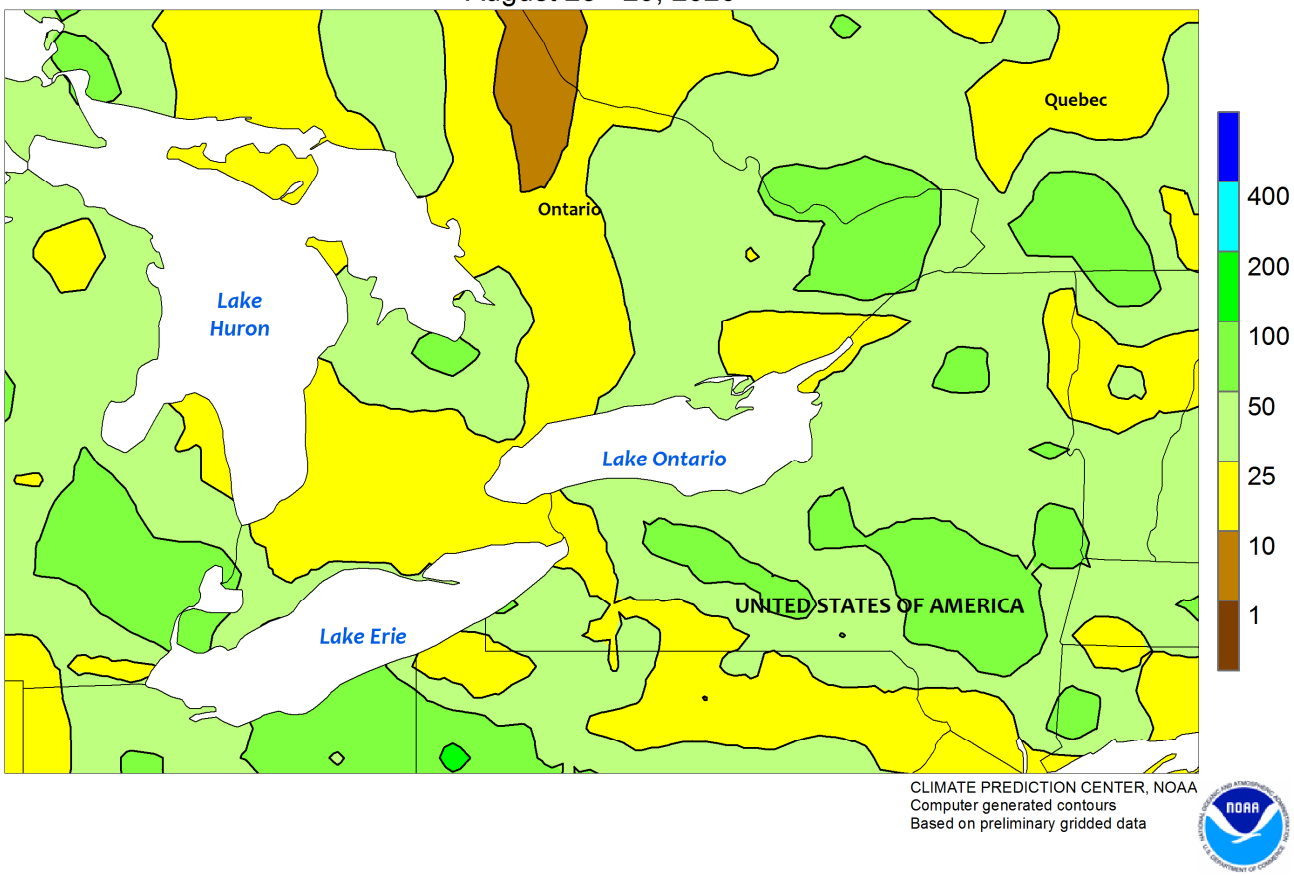
SOUTHEASTERN CANADA
Total Precipitation (mm)
August 23 - 29, 2020



SOUTHEASTERN CANADA

Showers provided a late-season boost for immature summer crops while helping to recharge topsoil moisture in advance of winter wheat planting. Most locations recorded rainfall totaling 10 to 75 mm, though a few pockets of dryness persisted in Ontario's southwestern farming areas. Weekly temperatures averaged 2 to 3°C above normal in Ontario's inter-lake region, where daytime highs briefly reached the lower 30s (degrees C). Milder conditions prevailed elsewhere, with highest daytime temperatures confined to the middle and upper 20s. Nighttime lows occasionally fell below 10°C in the cooler locations but no freeze occurred.

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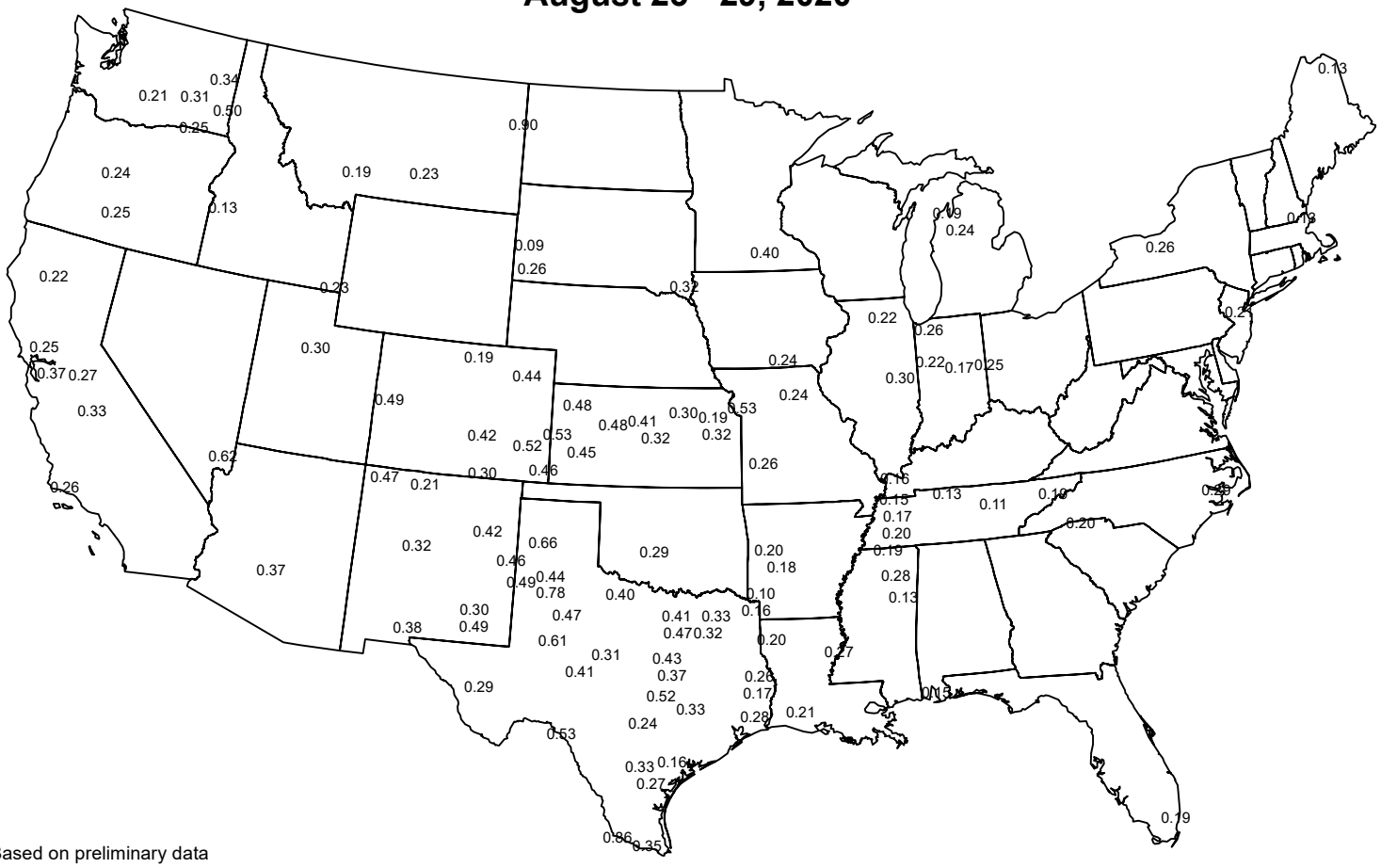
Average Pan Evaporation (inches/day)

August 23 - 29, 2020



Based on preliminary data

USDA Agricultural Weather Assessments

Data obtained from the NWS Cooperative Observer Network.

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