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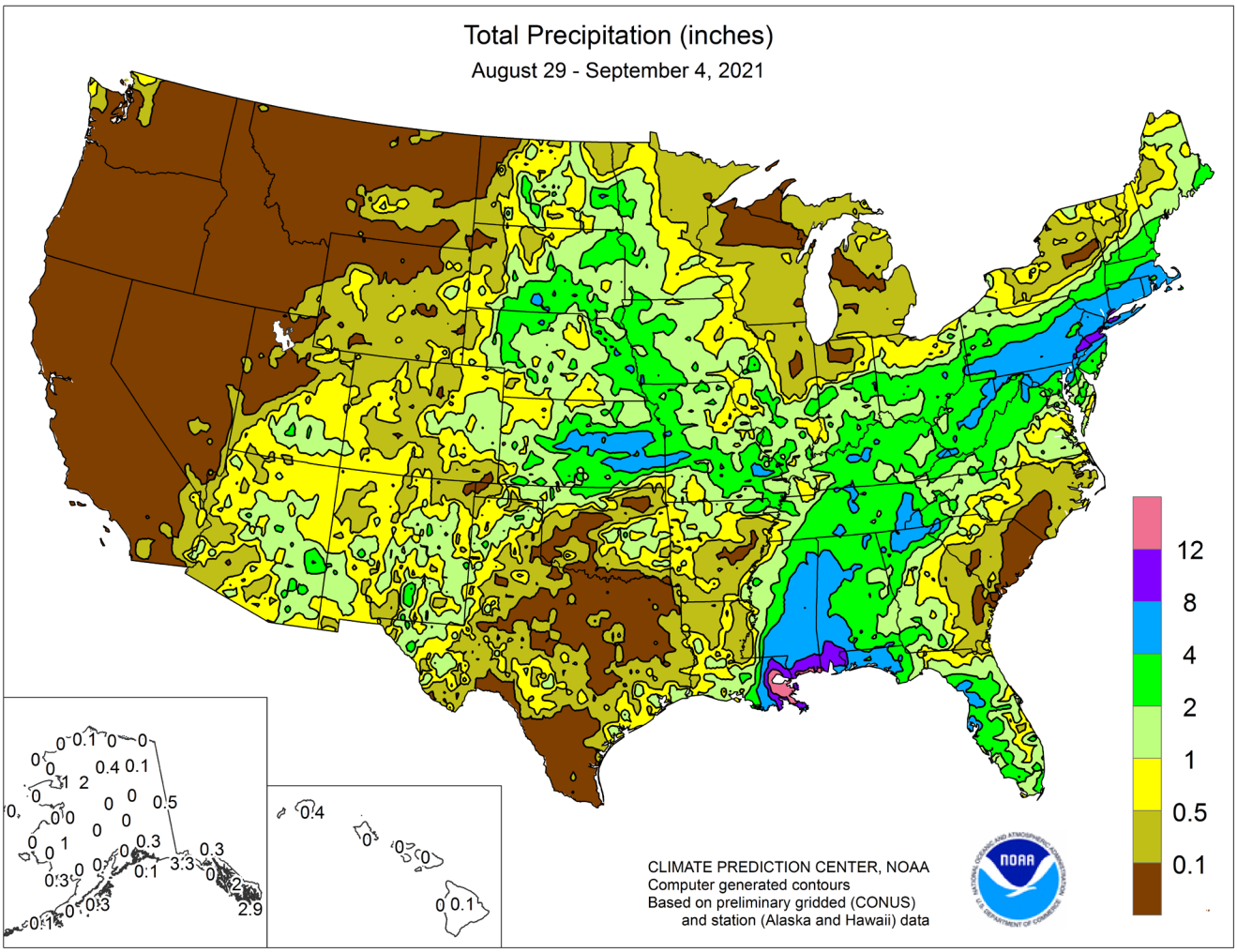
Weekly Weather and Crop Bulletin

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



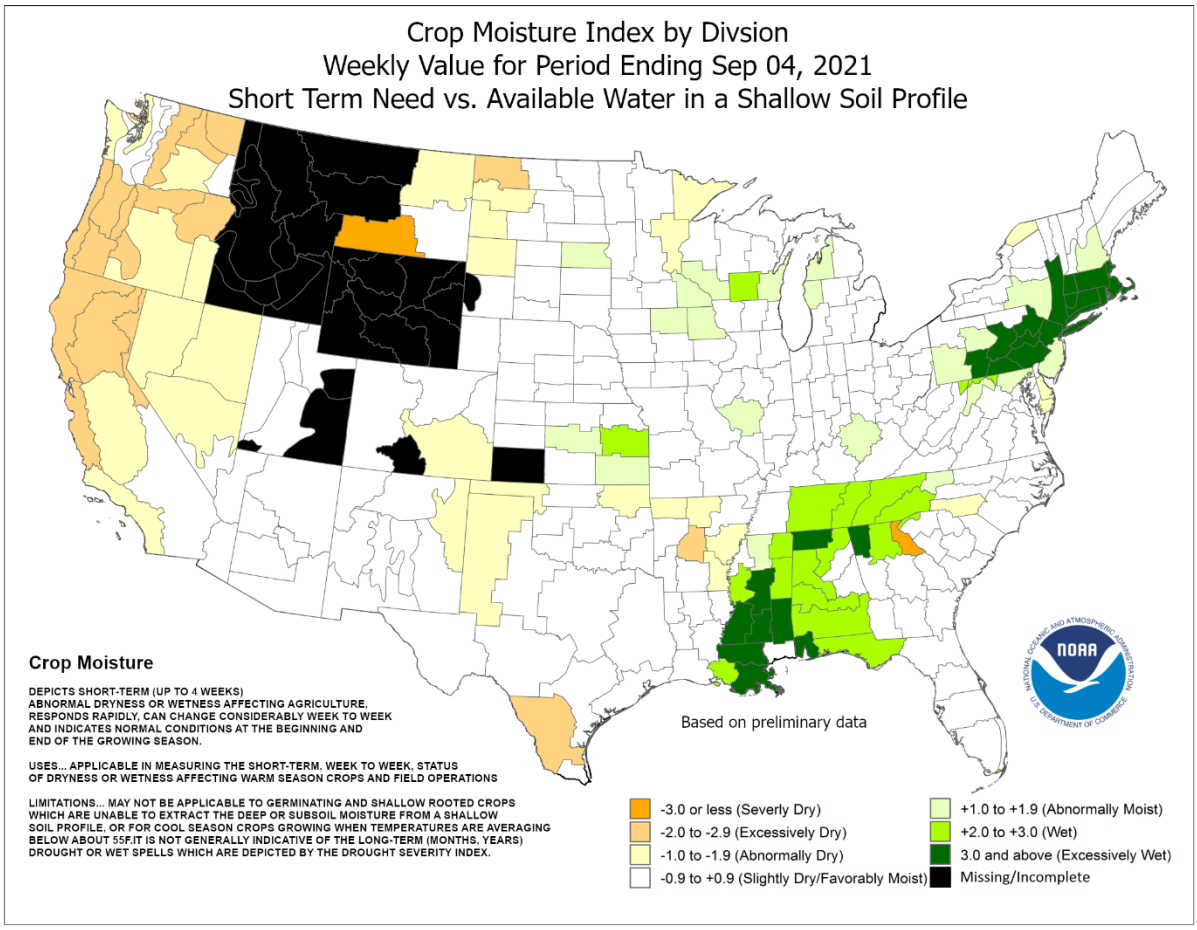
HIGHLIGHTS
August 29 – September 4, 2021

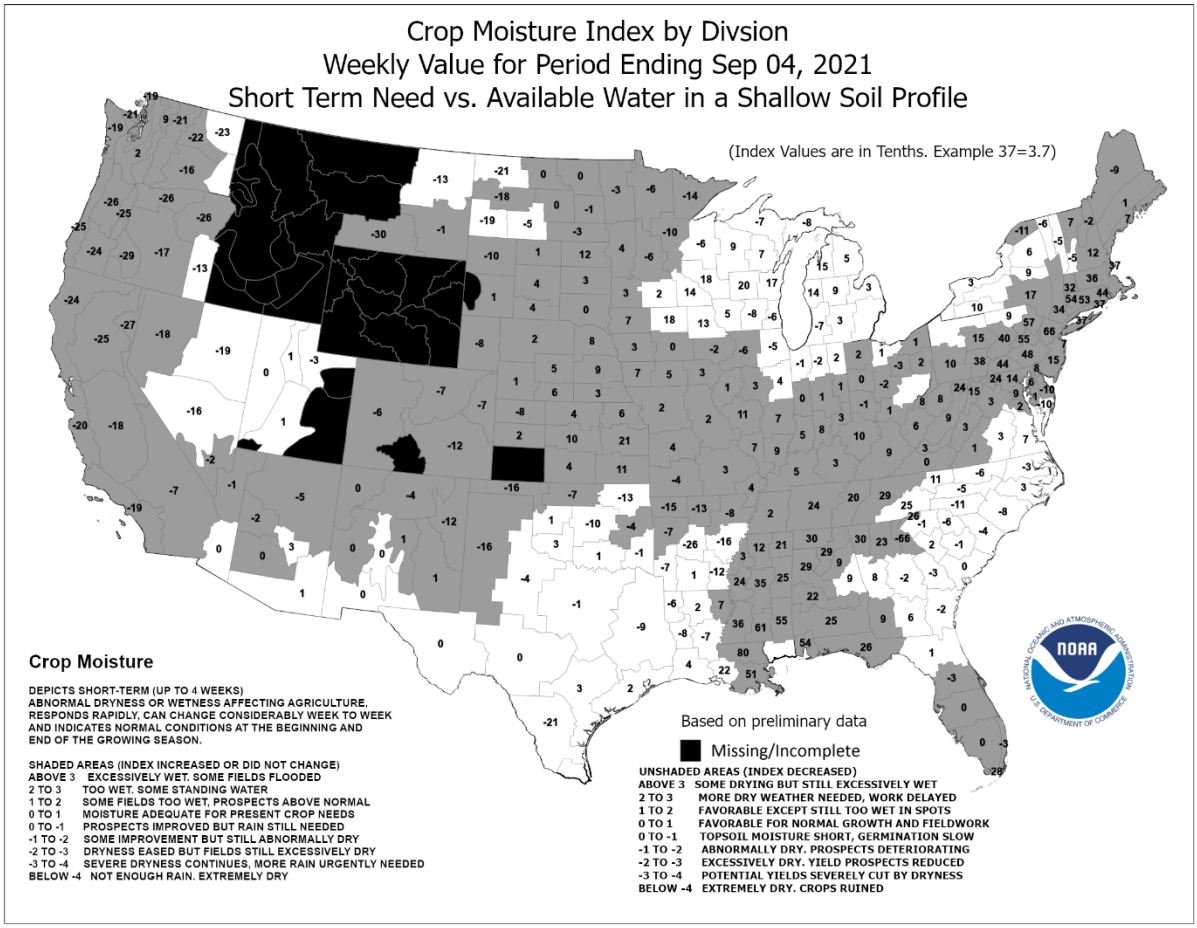
Highlights provided by USDA/WAOB

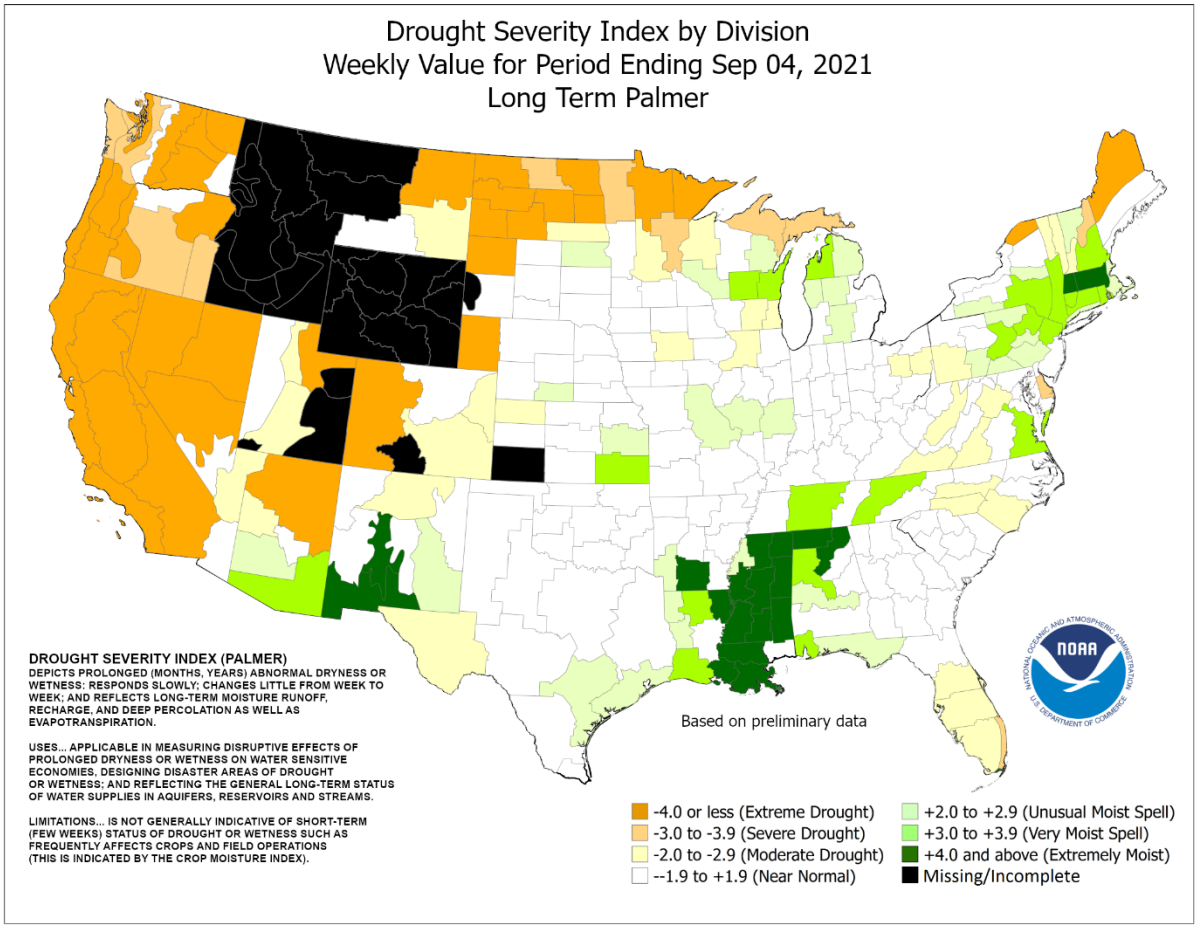
Hurricane Ida cut a destructive swath from the **central Gulf Coast region into the Northeast**, spending parts of 5 days (August 29 – September 2) inland. Initially, primary hurricane impacts included high winds and a coastal storm surge, which resulted in extensive damage and power outages across **southeastern Louisiana**. Once inland, the focus turned to freshwater flooding and heavy rain, which totaled 4 inches or more in **eastern Louisiana** and parts of **Alabama**, **Mississippi**, and **western Florida**. Despite significant weakening (to a tropical depression after

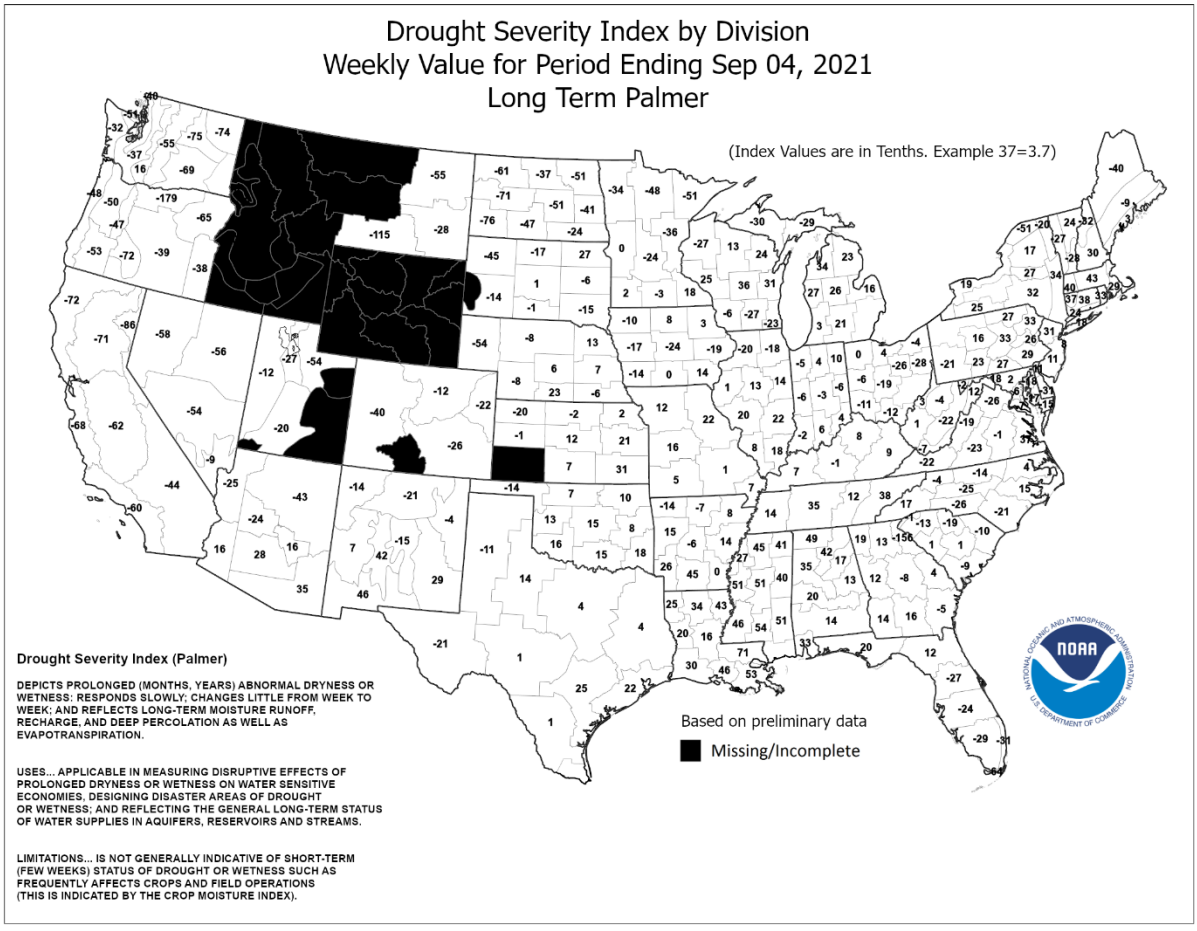
(Continued on page 5)

Contents


Crop Moisture Index by Divsion
Weekly Value for Period Ending Sep 04, 2021
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


Crop Moisture Index by Divsion
Weekly Value for Period Ending Sep 04, 2021
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


Drought Severity Index by Division
Weekly Value for Period Ending Sep 04, 2021
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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Weekly Value for Period Ending Sep 04, 2021
Long Term Palmer
(Index Values are in Tenths. Example 37=3.7)
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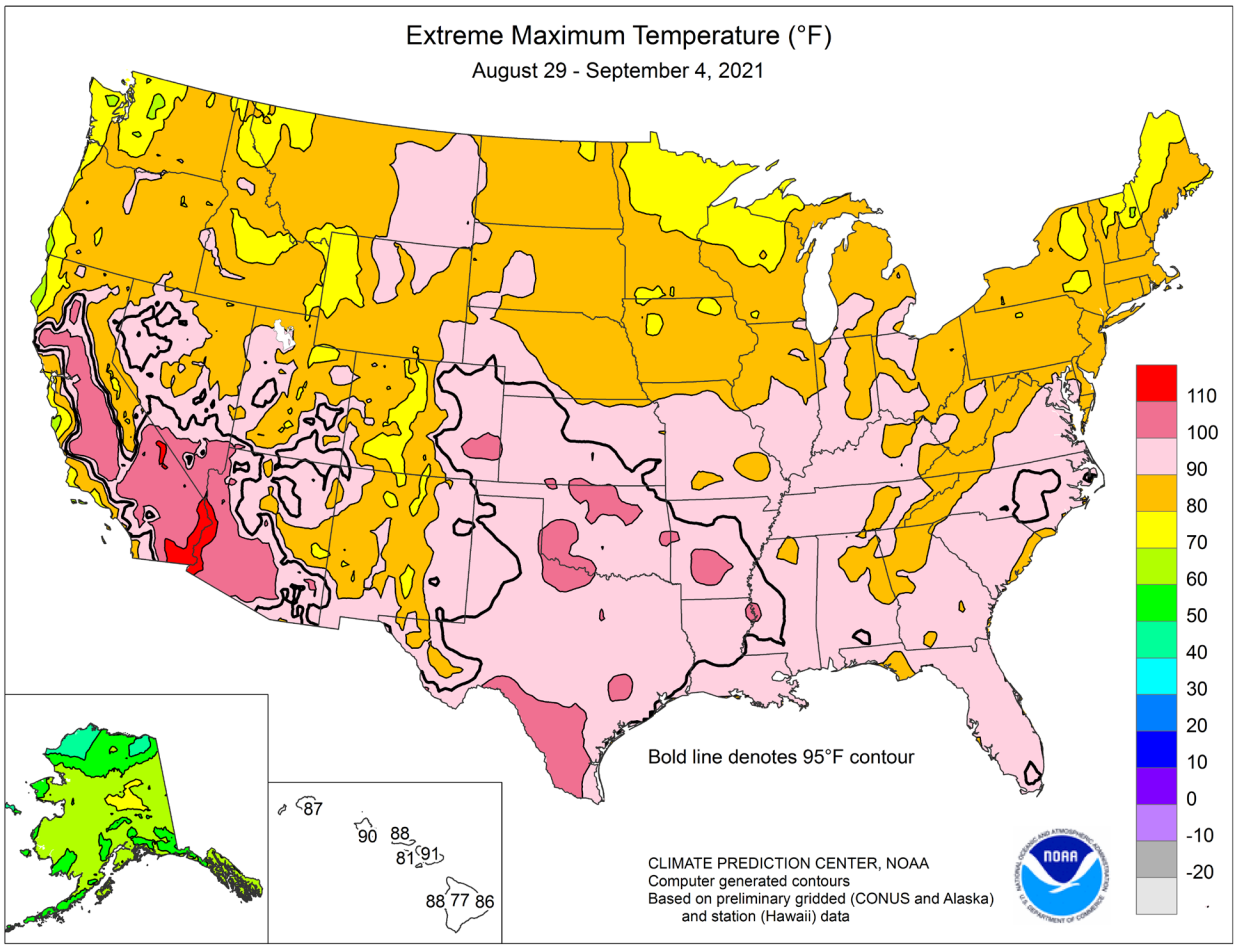
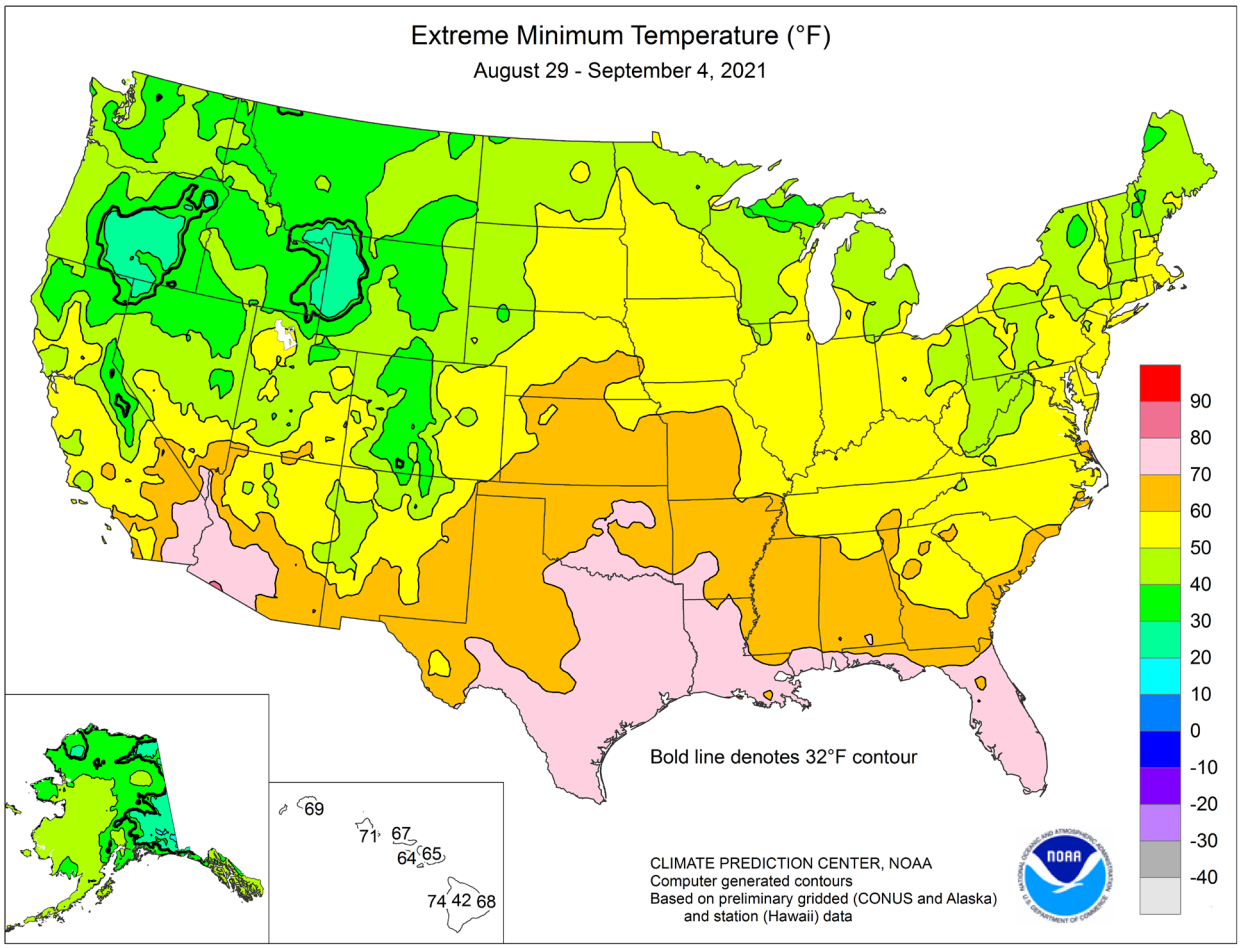
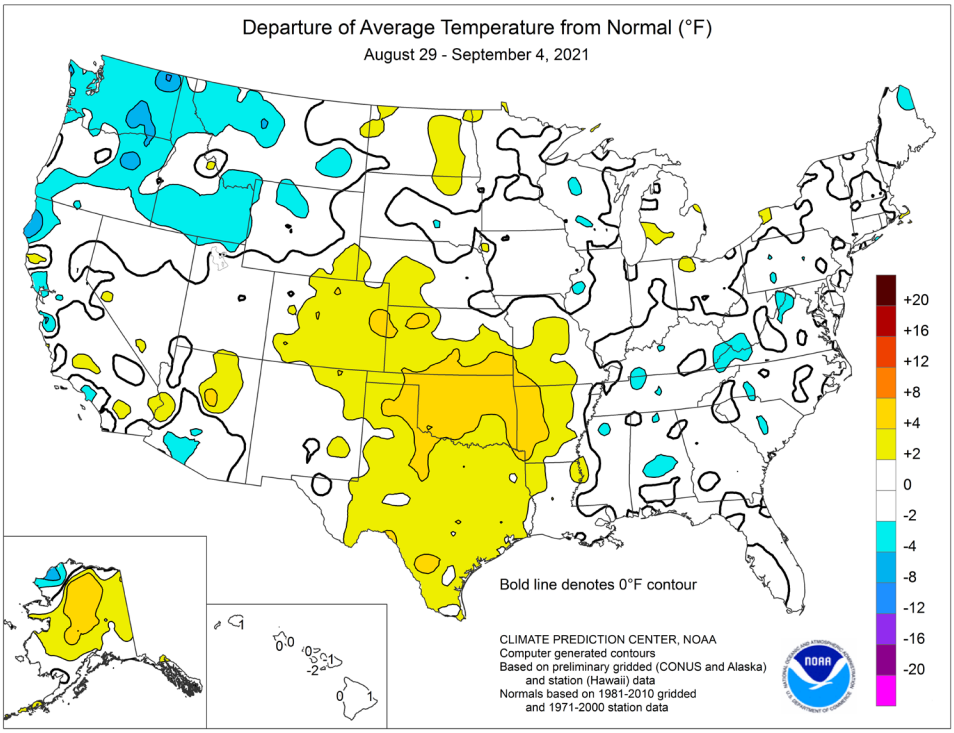
Based on preliminary data
Missing/Incomplete


Extreme Maximum Temperature (°F)
August 29 - September 4, 2021
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
87
90
88
81
91
88
77
86
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data


Extreme Minimum Temperature (°F)
August 29 - September 4, 2021
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
69
71
67
64
65
74
42
68
Bold line denotes 32°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data

(Continued from front cover)

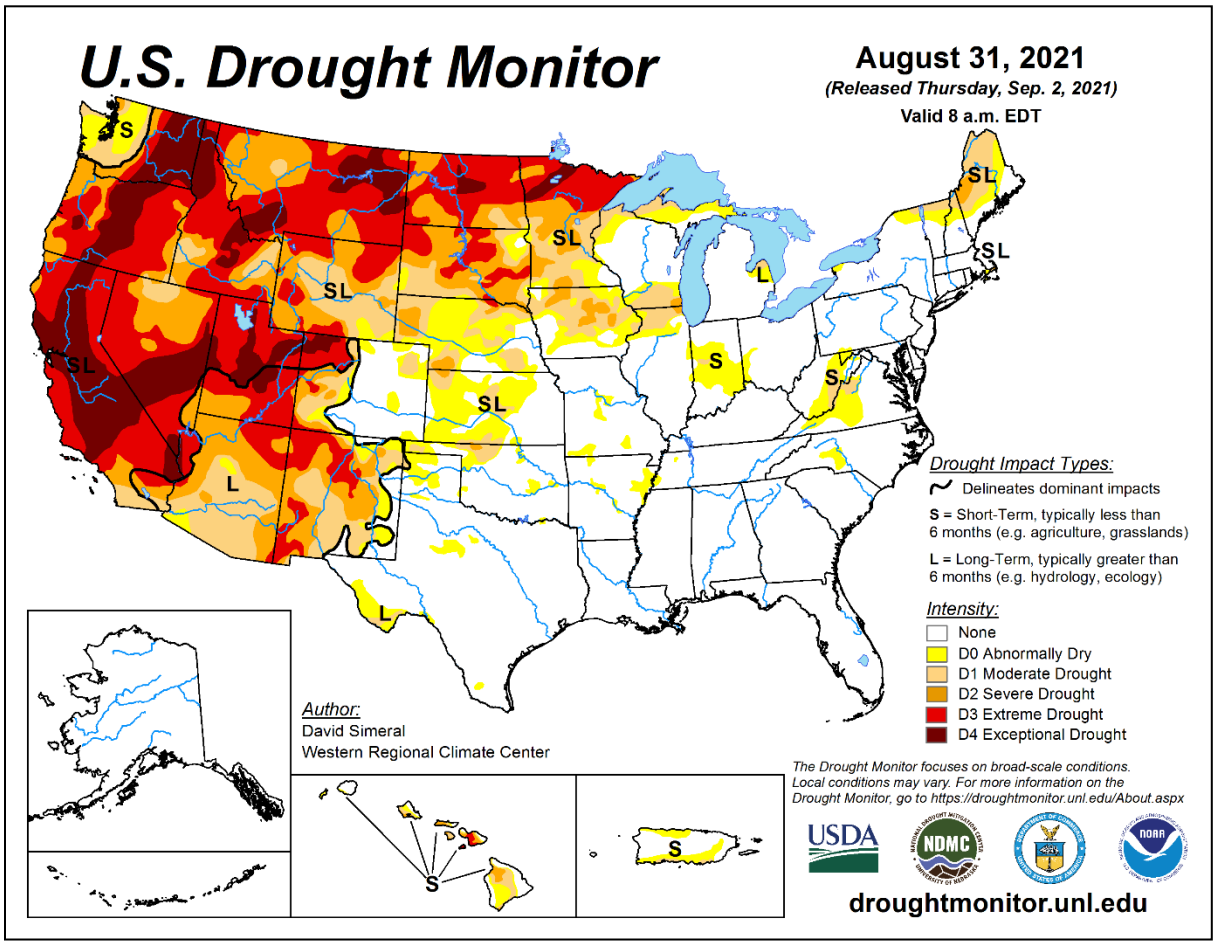
spending a little more than 24 hours inland), Ida sparked catastrophic **mid-Atlantic** flooding on September 1-2, as the remnant circulation merged with a cold front. Totals of 4 to 8 inches or more fell from **southeastern Pennsylvania into southern New York**, accompanied by locally severe thunderstorms and isolated tornadoes. Meanwhile, heavy rain also fell across portions of the **Plains**, **Southwest**, and **western Corn Belt**, due to the interaction between the monsoon circulation and a cold front. Some of the heaviest rain, locally 4 inches or more, fell in **eastern Kansas** and environs. In contrast, mostly dry covered the remainder of the country, including the **northern Rockies**, **Far West**, **upper Great Lakes region**, and much of **Texas**. Weekly temperatures averaged at least 5°F above normal across large sections of the **central and southern Plains**, promoting summer crop maturation. Elsewhere, near-normal temperatures prevailed in the **Southwest** and most areas **east of the Mississippi River**, while cool air held temperatures as much as 5°F below normal in the **Northwest**. Late in the week, cooler air spread into the **South**, although heat and humidity lingered along and near the **Gulf Coast**.

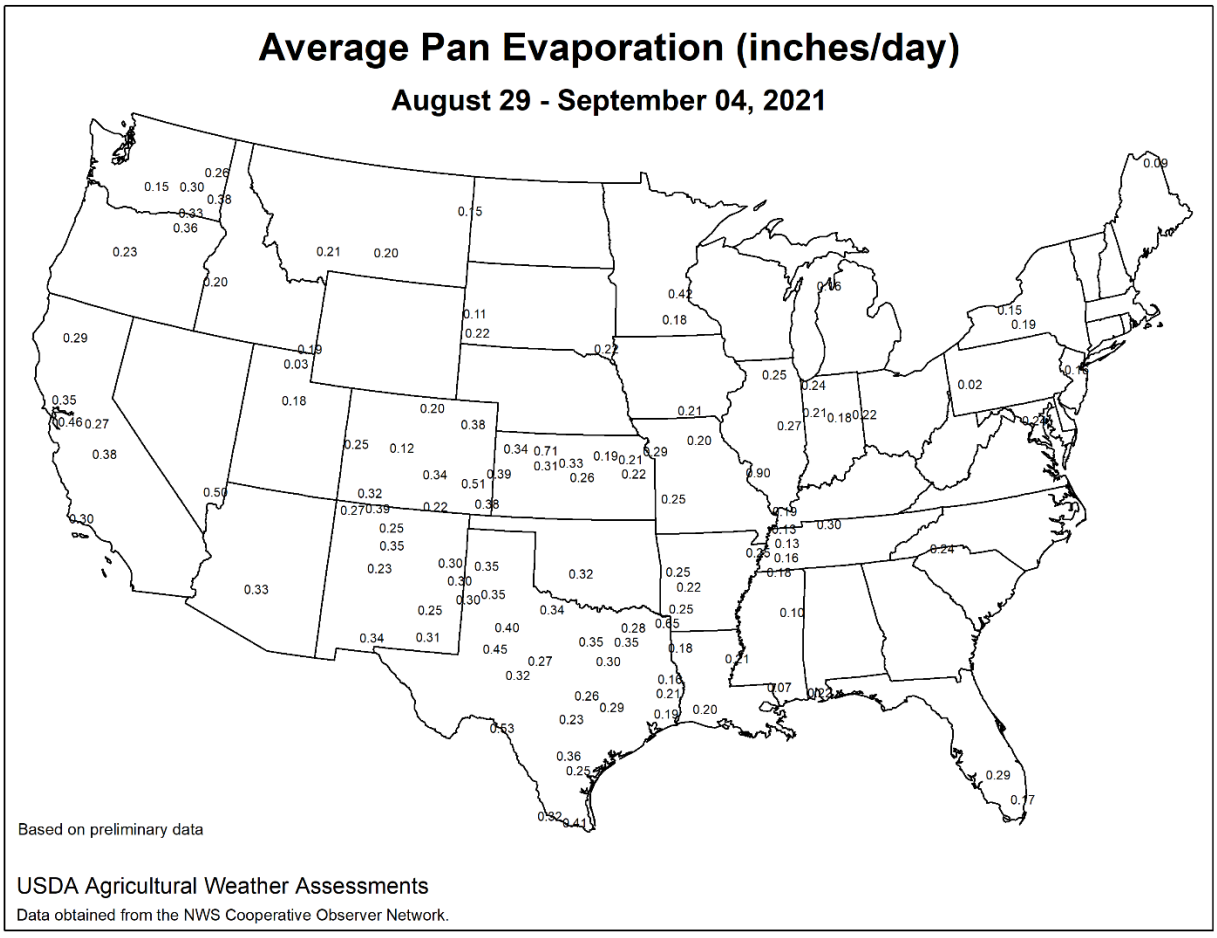


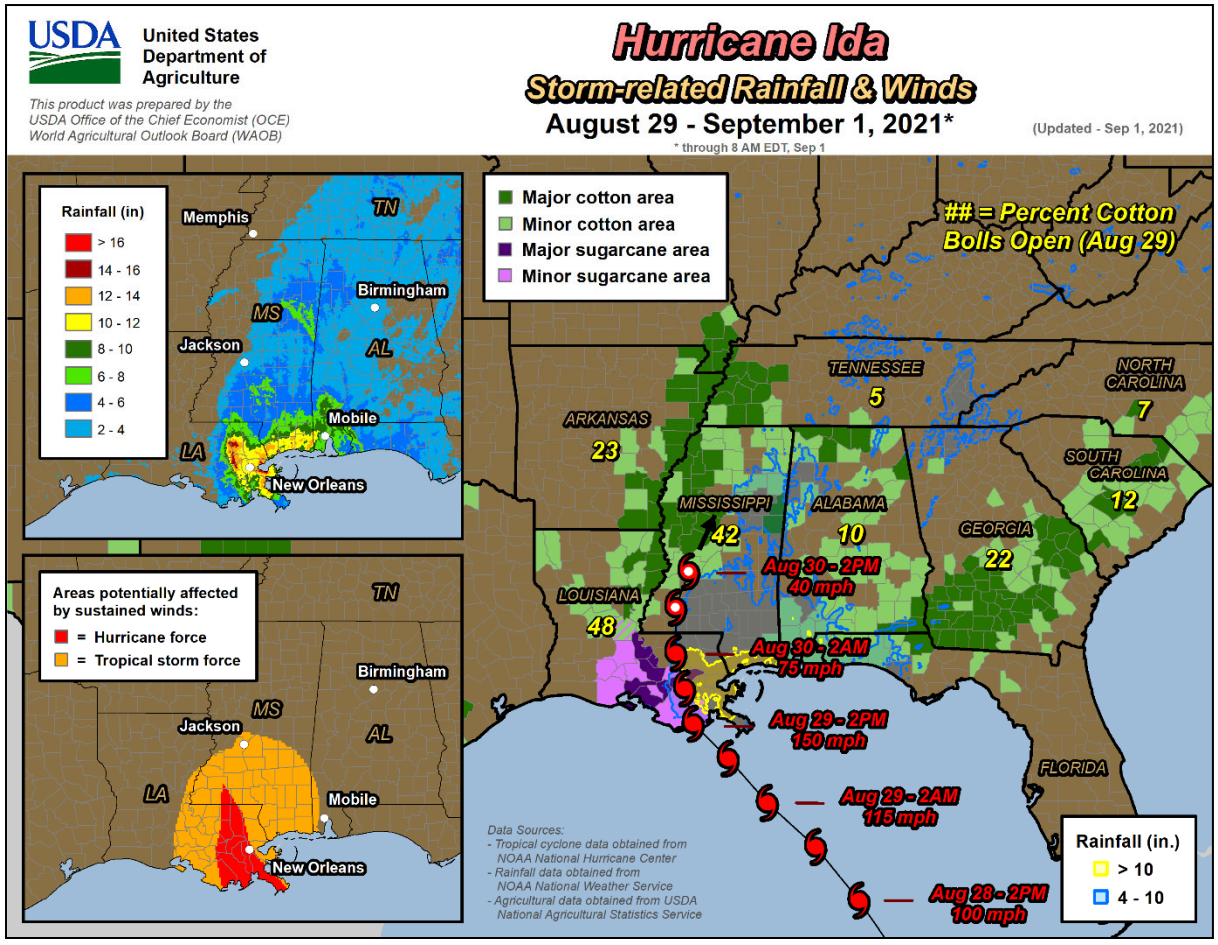
Brief heat in the **Far West** was knocked down following a cold front's passage. On August 30, daily-record highs in **California's San Joaquin Valley** soared to 108°F in **Merced** and **Madera**. Meanwhile, strong thunderstorms sweeping across **Montana** resulted in a wind gust to 79 mph (on August 30) at **Bozeman Airport**—a record for that location. Previously, **Bozeman's** highest gust (78 mph) had occurred during a thunderstorm on July 30, 1957. Although cooler air soon overspread much of the **West**, heat persisted across the **Deep South**. In **Texas**, daily-record highs included 97°F (on August 30) in **Galveston** and 105°F (on August 31) in **Del Rio**. Early to mid-week heat also extended northward across the **Plains**, where **Burlington, CO**, posted a daily-record high of 100°F on the last day of August. Meanwhile, **New Orleans, LA**, endured temperatures ranging from 76 to 93°F during August 30 – September 5, the 7 days after Hurricane Ida hit, amid widespread power outages. In **Florida**, daily-record highs of the first day of September reached 96°F in **Miami** and 95°F in **Vero Beach**. Late in the week, cooler air settling into the **Southeast** and **Northwest** resulted in several daily-record lows. In **Oregon**, record-setting lows for September 3 dipped to 27°F in **Burns** and 32°F in **Klamath Falls**. The following day in **Georgia**, lows of 54°F in **Augusta** and 56°F in **Macon** were records for September 4.

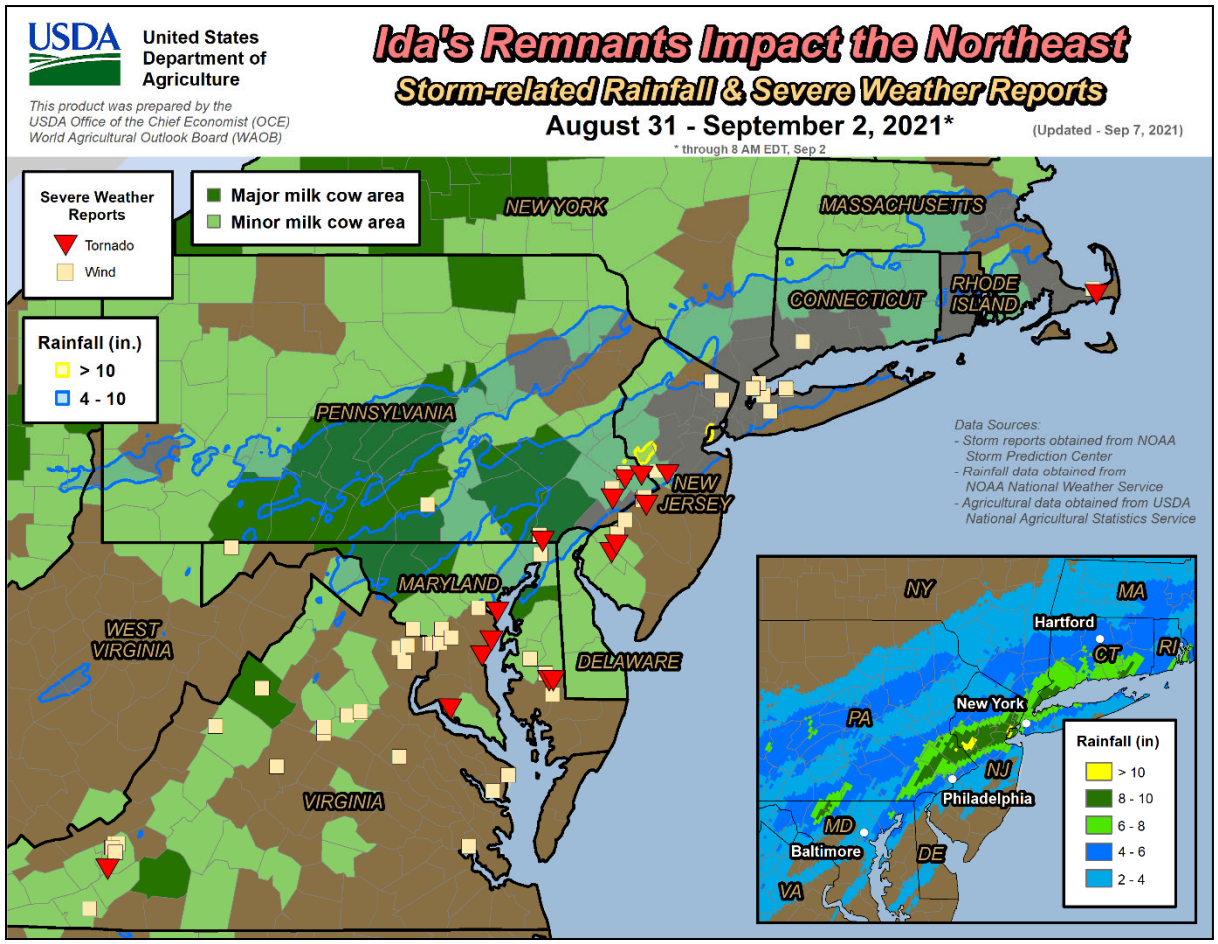
As Hurricane Ida roared ashore near **Port Fourchon, LA**, on August 29, a ship in port recorded a gust to 172 mph. Several other **coastal Louisiana** wind gusts exceeded 120 mph, including a report of 122 mph at a University of Florida meso-network tower installed near **Galliano, LA**. Farther inland, wind gusts were clocked to 90 mph in **New Orleans, LA**, and 68 mph in **Gulfport, MS**. On **Lake Borgne, LA**, at **Chef Menteur Pass**, the peak water level on August 29 rose to within 2.37 feet of the record set during Hurricane Betsy on September 10, 1965. On **Breton Sound at Black Bay**, near **Stone Island, LA**, there was a 10.39-foot water level rise reported in just over 12 hours, ending at 10:30 am CDT on August 29. Water pushing inland from the **Gulf of Mexico** led to the sixth-highest crest on record along the **Mississippi River** at **Venice, LA**. Ida's August 29 crest in **Venice** was 2.75 feet lower than the record associated with Hurricane Camille on August 17, 1969—and was also lower than water levels observed with Georges (1998), Betsy (1965), Ida (2009), and Gustav (2008). Farther inland, the **Biloxi River near Lyman, MS**, crested 5.24 feet above flood stage on August 31, marking the highest level in that location since April 28, 2016. In **Mobile, AL**, the last 3 days of August featured 9.37 inches of rain. Record-setting rainfall totals for August 31 included 2.21 inches in **Frankfort, KY**, and 2.18 inches in **Chattanooga, TN**. Separately, a cold front crossing the **Midwest** contributed to a daily-record sum (2.56 inches on August 31) in **Moline, IL**. Ida's most impressive rain occurred in early September across the **Northeast**. In fact, September 1 was the wettest day on record in **Newark, NJ** (8.41 inches), and **New York's LaGuardia Airport** (6.80 inches). Previous records had been 6.73 inches on November 8, 1977, and 6.69 inches on April 15, 2007, respectively. September 1 was the third-wettest day on record in **Harrisburg, PA** (6.64 inches), and **Poughkeepsie, NY** (5.57 inches). With 7.13 inches on the 1st, **New York's Central Park** experienced its wettest day since April 15, 2007, when 7.57 inches fell—and wettest September day since 1882, when 8.28 inches fell on the 23rd. Daily-record totals in the 4- to 6-inch range on September 1 occurred in **Bridgeport, CT** (5.77 inches); **Trenton, NJ** (5.60 inches); **Mount Pocono, PA** (5.56 inches); **Scranton, PA** (5.09 inches); **Reading, PA** (4.95 inches); **Allentown, PA** (4.15 inches); **Baltimore, MD** (4.13 inches); and **Hartford, CT** (4.07 inches). In the wake of **Northeastern** downpours, record flooding engulfed several river basins across **Pennsylvania** and **New Jersey** on September 1-2; for more details, see the flood summary on page 8. In addition, the remnants of Ida spawned more than a dozen **Northeastern** tornadoes, mainly on September 1. On that date, a thunderstorm in **Montgomery County, PA**, resulted in the nation's first tornado-related fatality since April 10. Meanwhile, locally heavy showers stretched from the **Southwest to the Midwest**, with some rain falling as far west as **southern California**. Record-setting amounts for August 31 included 1.34 inches in **Norfolk, NE**, and 0.32 inch in **Alpine, CA**. On September 1 in **Arizona**, record-setting rainfall amounts reached 1.12 inches in **Safford** and 0.44 inches in **Nogales**. With 2.30 inches, **Alliance, NE**, also netted a daily-record sum for the 1st. On September 2 in **South Dakota**, **Sisseton** (1.92 inches), **Huron** (1.84 inches), and **Watertown** (1.57 inches) set daily rainfall records. At week's end, a cold front sparked additional **Midwestern** rainfall; in **Illinois**, **Carbondale** (3.00 inches) and **Springfield** (2.36 inches) collected record-breaking amounts for September 4.

Milder, drier weather developed across much of **Alaska**, following a period of chilly, damp conditions. Weekly temperatures averaged more than 5°F above normal at several locations across **interior Alaska**. On the 1st, **Fairbanks'** maximum temperature of 75°F was the highest September reading in that location since September 14, 2014. In **western Alaska**, **Kotzebue** noted a daily-record high of 66°F on September 2, sandwiched between daily-record rainfall totals (0.67 and 0.44 inch, respectively) on August 29 and September 3. Farther south, **Hawaii** experienced a continuation of generally dry weather, except for some windward showers. With mostly dry weather in place, **Lihue, Kauai**, collected a daily record-tying low of 69°F on August 31. At the state's major airport observation sites, August rainfall ranged from 0.29 inch (35 percent of normal) in **Honolulu, Oahu**, to 7.34 inches (65 percent) in **Hilo**, on the **Big Island**. **Hawaii's** drier-than-normal pattern persisted into early September.


U.S. Drought Monitor
August 31, 2021
(Released Thursday, Sep. 2, 2021)
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
droughtmonitor.unl.edu


Average Pan Evaporation (inches/day)
August 29 - September 04, 2021
Based on preliminary data
USDA Agricultural Weather Assessments
Data obtained from the NWS Cooperative Observer Network.


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 Ida
Storm-related Rainfall & Winds
August 29 - September 1, 2021*
* through 8 AM EDT, Sep 1
(Updated - Sep 1, 2021)
Rainfall (in)
> 16
14 - 16
12 - 14
10 - 12
8 - 10
6 - 8
4 - 6
2 - 4
Memphis
Birmingham
Jackson
Mobile
New Orleans
TN
MS
AL
LA
Areas potentially affected by sustained winds:
= Hurricane force
= Tropical storm force
Major cotton area
Minor cotton area
Major sugarcane area
Minor sugarcane area
= Percent Cotton Bolls Open (Aug 29)
TENNESSEE 5
NORTH CAROLINA 7
ARKANSAS 23
SOUTH CAROLINA 12
MISSISSIPPI 42
ALABAMA 10
GEORGIA 22
LOUISIANA 48
FLORIDA
Aug 30 - 2PM 40 mph
Aug 30 - 2AM 75 mph
Aug 29 - 2PM 150 mph
Aug 29 - 2AM 115 mph
Aug 28 - 2PM 100 mph
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
Rainfall (in.)
> 10
4 - 10


USDA
United States Department of Agriculture
This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)
Ida's Remnants Impact the Northeast
Storm-related Rainfall & Severe Weather Reports
August 31 - September 2, 2021*
* through 8 AM EDT, Sep 2
(Updated - Sep 7, 2021)
Severe Weather Reports
Tornado
Wind
Major milk cow area
Minor milk cow area
Rainfall (in.)
> 10
4 - 10
NEW YORK
MASSACHUSETTS
CONNECTICUT
RHODE ISLAND
PENNSYLVANIA
NEW JERSEY
MARYLAND
WEST VIRGINIA
DELAWARE
VIRGINIA
Data Sources:
- Storm reports obtained from NOAA Storm Prediction Center
- Rainfall data obtained from NOAA National Weather Service
- Agricultural data obtained from USDA National Agricultural Statistics Service
NY
MA
Hartford
CT
RI
PA
New York
NJ
Philadelphia
MD
Baltimore
DE
VA
Rainfall (in)
> 10
8 - 10
6 - 8
4 - 6
2 - 4

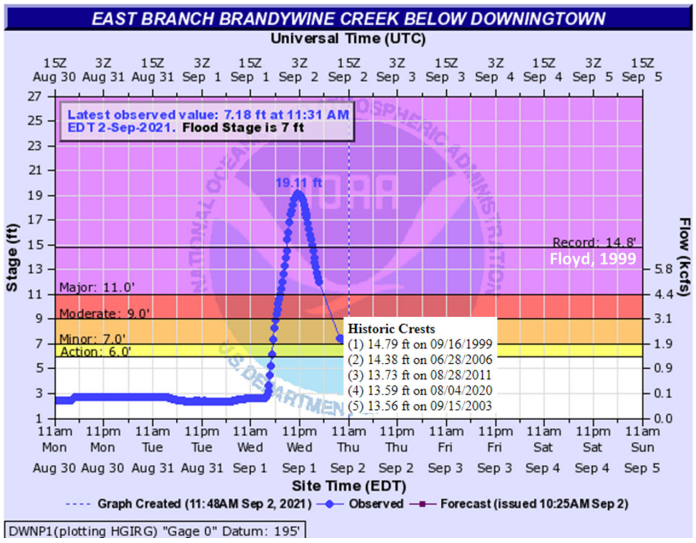
Selected Northeastern Record Flood Crests

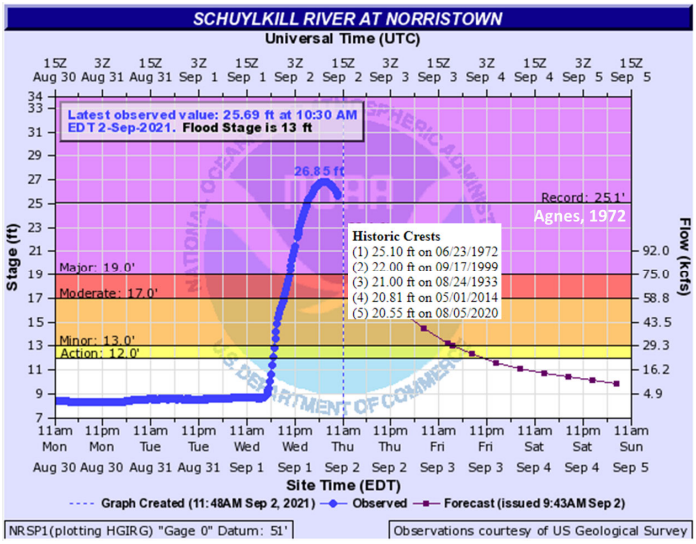
Northeastern Record Crests Associated with the Remnants of Hurricane Ida
September 1 – 2, 2021

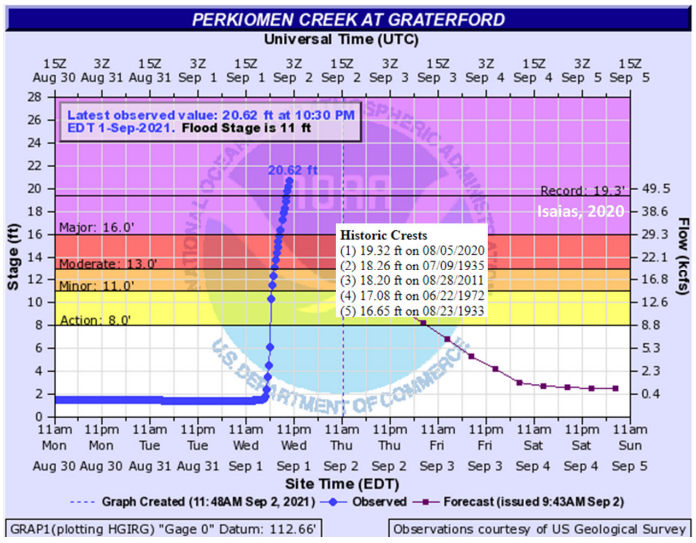
Gauge Location	Crest	Flood Stage	Previous Record and Date
E. Branch Brandywine Creek below Downingtown, PA	19.11 feet	7.00 feet	14.79 feet on Sep. 16, 1999
Brandywine Creek at Chadds Ford, PA	23.14 feet	9.00 feet	17.15 feet on Sep. 17, 1999
Schuylkill River at Norristown, PA	26.85 feet	13.00 feet	25.10 feet on Jun. 23, 1972
Perkiomen Creek at Graterford, PA	20.62 feet*	11.00 feet	19.32 feet on Aug. 5, 2020
Third River at Bloomfield, NJ	10.14 feet	6.00 feet	9.97 feet on Sep. 16, 1999
Stony Brook at Princeton, NJ	17.65 feet	9.00 feet	16.23 feet on Aug. 28, 2011

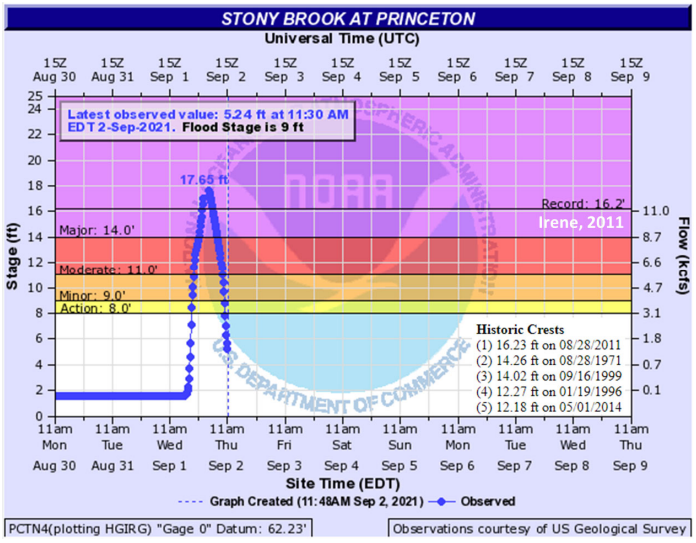
* Gauge on Perkiomen Creek at Graterford, PA, malfunctioned (or was washed away) after reaching 20.62 feet.

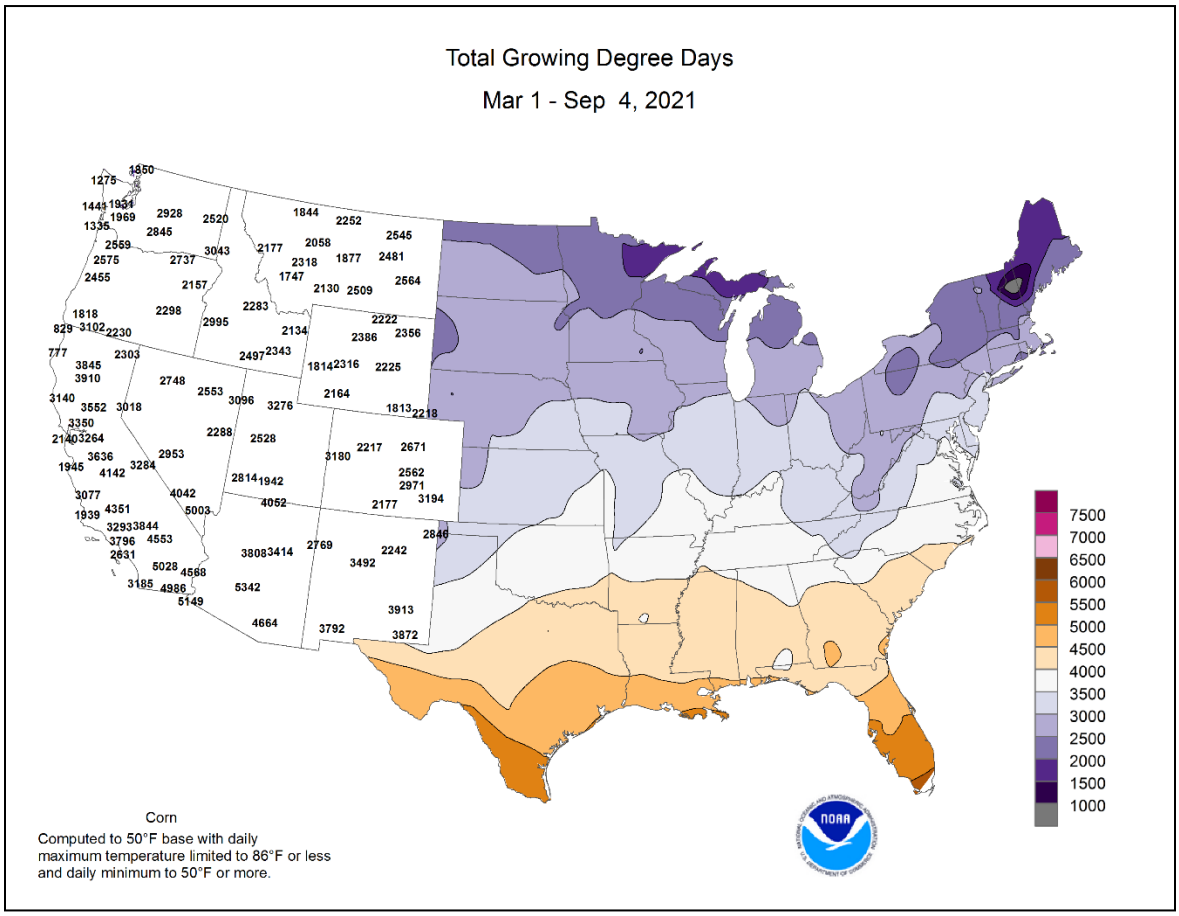
In addition, the Schuylkill River at Philadelphia, PA, achieved its second-highest crest, rising 5.35 feet above flood stage early September 2. The record crest in that location, an estimated 6.00 feet above flood stage, occurred on October 4, 1869.

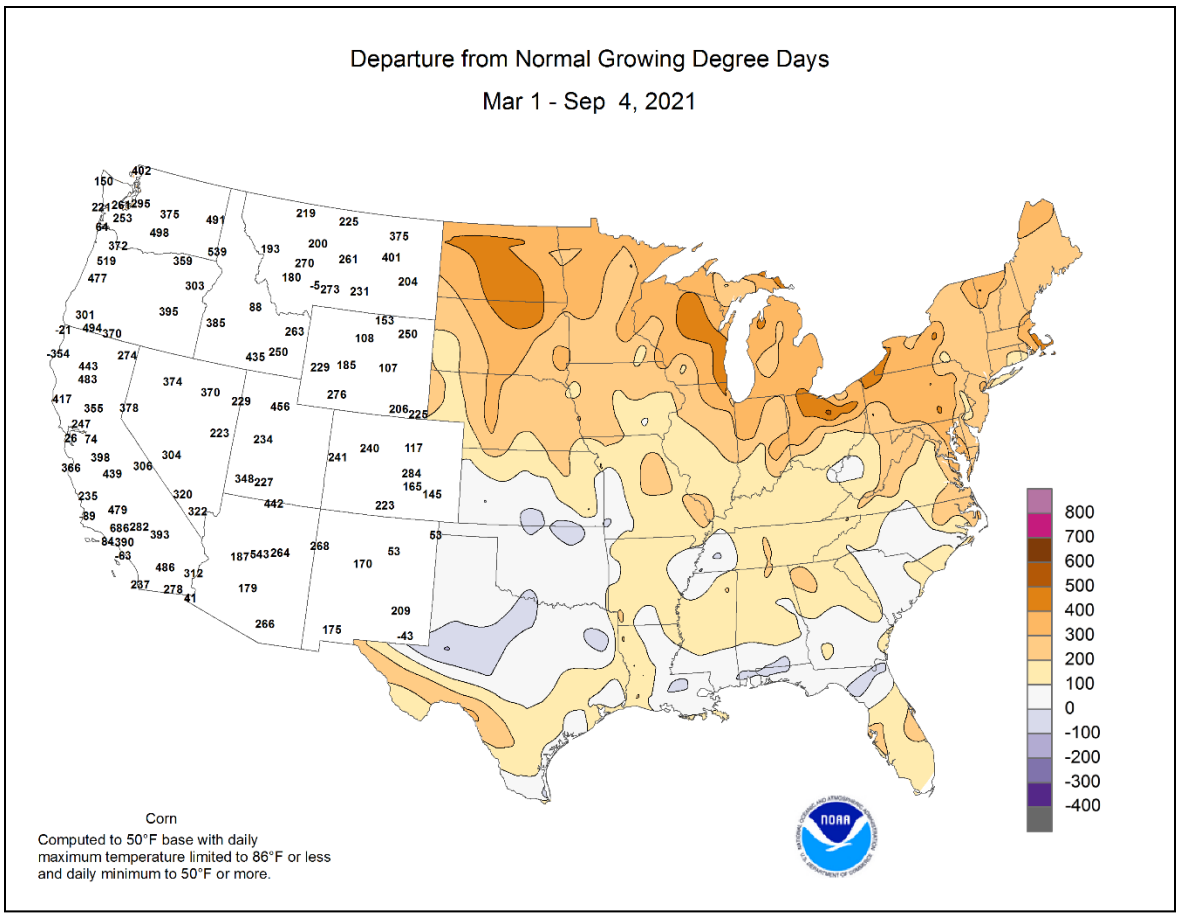


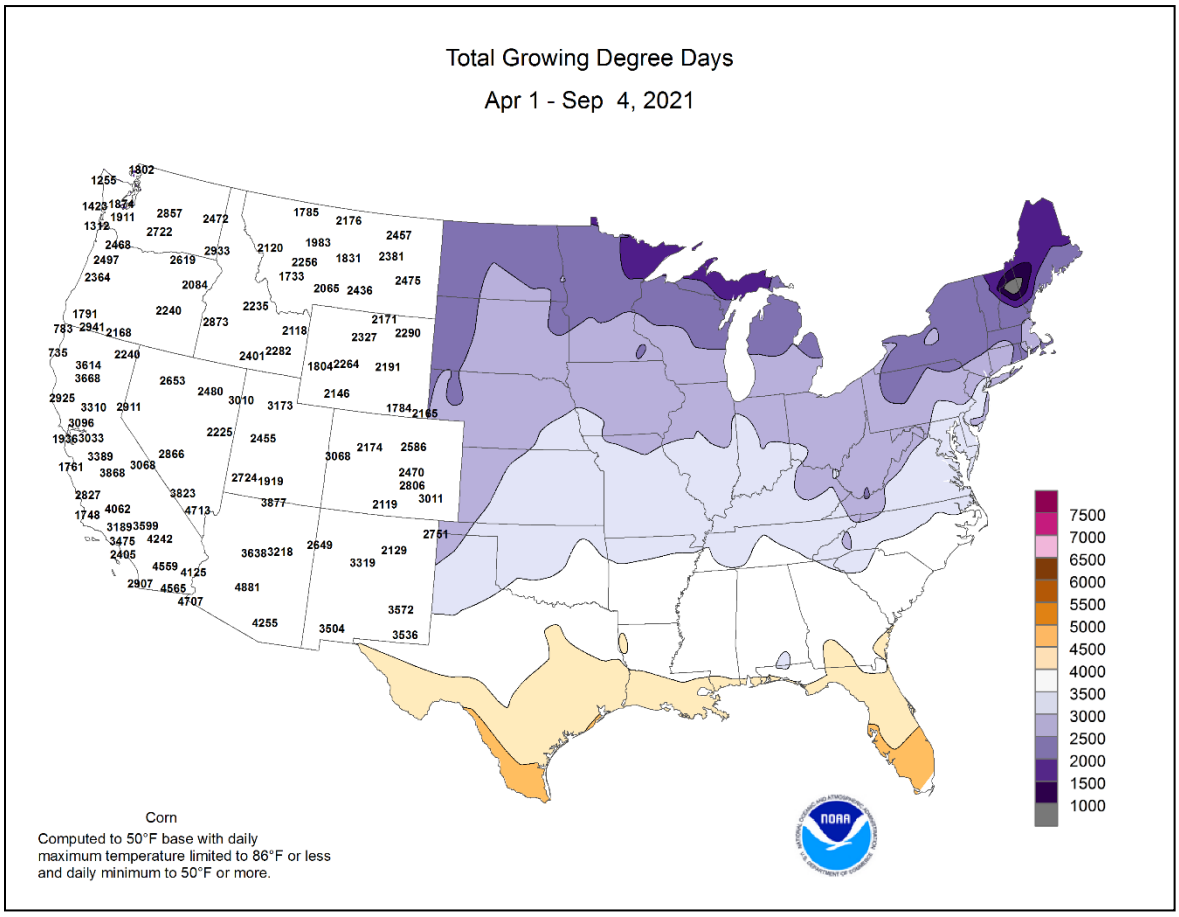


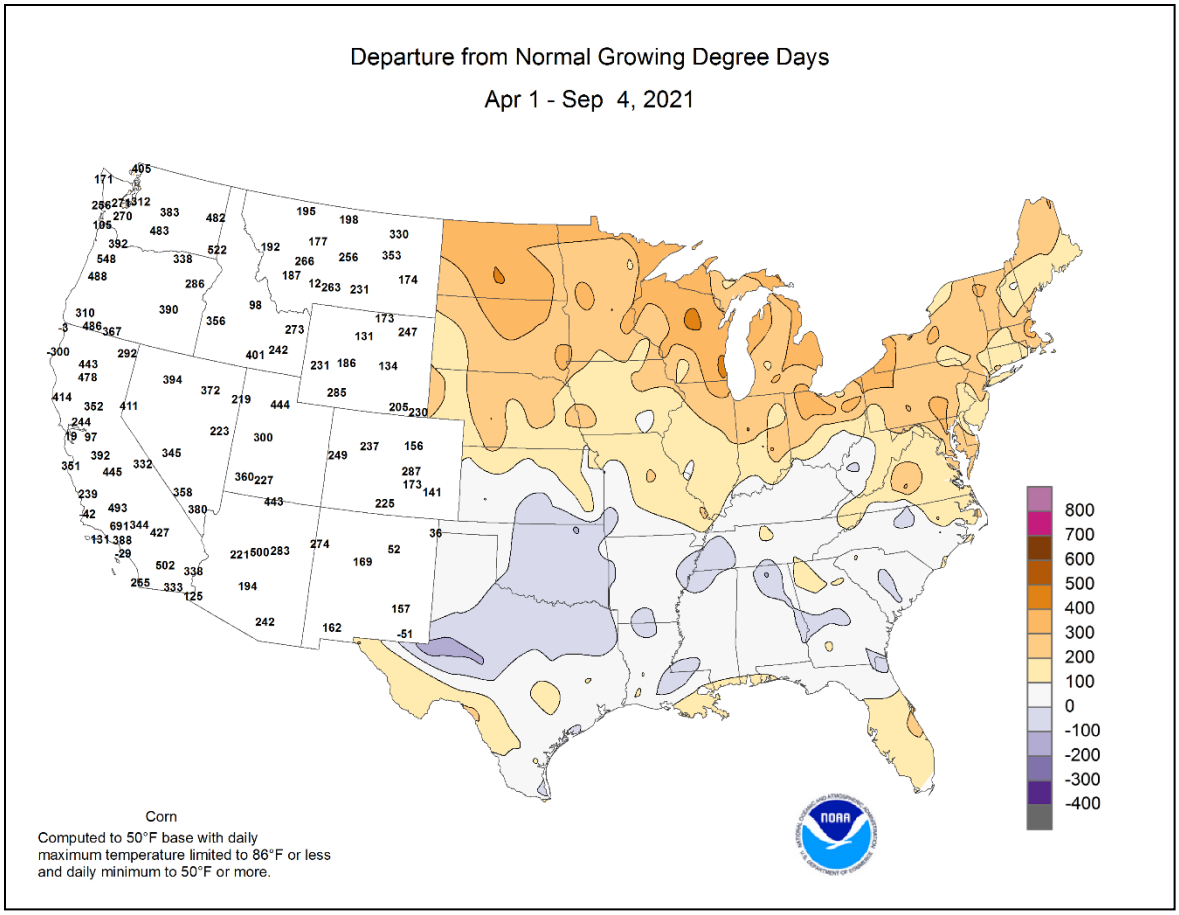





Total Growing Degree Days
Mar 1 - Sep 4, 2021
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
Corn
Computed to 50°F base with daily maximum temperature limited to 86°F or less and daily minimum to 50°F or more.


Departure from Normal Growing Degree Days
Mar 1 - Sep 4, 2021
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.


Total Growing Degree Days
Apr 1 - Sep 4, 2021
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 - Sep 4, 2021
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 September 4, 2021

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	64	49	69	44	56	3	0.50	-0.26	0.35	0.50	119	9.92	101	89	57	0	0	4	0
	BARROW	40	34	44	31	37	0	0.12	-0.10	0.11	0.11	87	3.59	105	88	75	0	2	2	0
	FAIRBANKS	66	46	75	39	56	5	0.10	-0.25	0.08	0.09	46	10.61	134	90	52	0	0	3	0
	JUNEAU	61	50	70	44	55	3	2.18	0.48	1.05	1.92	191	47.33	138	94	70	0	0	5	2
	KODIAK	60	52	68	45	56	3	2.78	1.51	2.17	2.62	350	47.00	98	91	73	0	0	4	1
	NOME	55	47	63	39	51	4	0.62	-0.03	0.35	0.01	3	15.32	140	90	73	0	0	4	0
AL	BIRMINGHAM	85	70	89	64	78	-1	3.10	2.26	1.89	0.00	0	52.55	139	91	61	0	0	3	2
	HUNTSVILLE	85	67	90	58	76	-3	2.94	2.17	1.26	0.37	84	47.54	129	97	65	1	0	4	2
	MOBILE	88	72	93	70	80	-1	9.63	8.37	4.63	0.32	44	63.63	132	99	61	5	0	5	3
	MONTGOMERY	87	71	92	66	79	-1	1.19	0.25	0.43	0.20	35	36.89	99	92	60	3	0	4	0
AR	FORT SMITH	97	74	101	70	85	6	0.00	-0.73	0.00	0.00	0	31.74	106	86	41	7	0	0	0
	LITTLE ROCK	94	72	100	68	83	3	0.00	-0.67	0.00	0.00	0	30.86	97	86	45	5	0	0	0
AZ	FLAGSTAFF	77	53	84	46	65	3	0.78	0.15	0.38	0.59	163	18.22	125	92	42	0	0	4	0
	PHOENIX	101	80	108	74	90	-2	0.51	0.33	0.43	0.44	430	4.65	84	69	27	7	0	3	0
	PRESCOTT	82	60	90	56	71	-1	1.63	1.15	1.12	0.34	134	8.86	88	90	39	1	0	4	1
	TUCSON	96	73	103	70	85	0	0.21	-0.21	0.16	0.01	5	10.99	132	81	31	6	0	3	0
CA	BAKERSFIELD	98	71	105	63	84	4	0.00	-0.02	0.00	0.00	0	1.97	43	40	14	7	0	0	0
	EUREKA	58	46	61	43	52	-6	0.00	-0.11	0.00	0.00	0	13.79	57	96	86	0	0	0	0
	FRESNO	99	67	107	59	83	3	0.00	-0.01	0.00	0.00	0	5.11	63	60	12	7	0	0	0
	LOS ANGELES	73	64	76	61	68	-2	0.00	-0.01	0.00	0.00	0	3.33	37	87	64	0	0	0	0
	REDDING	96	59	102	54	77	0	0.00	-0.10	0.00	0.00	0	9.19	44	56	12	5	0	0	0
	SACRAMENTO	90	57	101	52	74	0	0.00	-0.04	0.00	0.00	0	4.49	37	85	23	4	0	0	0
	SAN DIEGO	77	69	83	67	73	1	0.00	0.00	0.00	0.00	0	3.74	52	79	59	0	0	0	0
	SAN FRANCISCO	71	56	74	54	63	-2	0.00	-0.02	0.00	0.00	0	5.43	41	87	56	0	0	0	0
	STOCKTON	91	55	101	50	73	-2	0.00	-0.01	0.00	0.00	0	5.91	65	83	22	4	0	0	0
CO	ALAMOSA	82	45	86	40	64	4	0.26	-0.01	0.26	0.26	173	5.11	97	93	23	0	0	1	0
	CO SPRINGS	86	58	94	54	72	6	0.56	0.04	0.31	0.56	225	13.75	97	83	25	2	0	3	0
	DENVER INTL	87	57	95	52	72	3	0.05	-0.20	0.05	0.05	38	10.95	94	76	22	2	0	1	0
	GRAND JUNCTION	87	60	95	58	74	2	0.76	0.50	0.76	0.76	510	4.93	80	66	21	3	0	1	1
	PUEBLO	90	59	99	54	74	4	0.87	0.54	0.85	0.87	539	15.82	150	86	27	4	0	3	1
CT	BRIDGEPORT	79	64	86	57	71	0	5.93	5.16	5.85	5.93	900	34.17	116	88	54	0	0	2	1
	HARTFORD	77	58	86	51	67	-1	5.24	4.51	4.80	5.24	900	43.34	141	96	54	0	0	2	1
DC	WASHINGTON	84	67	94	59	76	0	1.34	0.63	1.34	1.34	306	34.78	130	84	50	1	0	1	1
DE	WILMINGTON	82	63	89	54	73	0	1.80	1.06	1.12	1.12	241	26.39	90	94	57	0	0	4	1
FL	DAYTONA BEACH	90	74	94	71	82	1	0.22	-1.39	0.14	0.22	22	31.07	91	95	59	5	0	3	0
	JACKSONVILLE	89	71	92	66	80	-1	0.04	-1.89	0.04	0.00	0	37.21	102	99	59	3	0	1	0
	KEY WEST	89	81	91	78	85	1	0.15	-1.31	0.15	0.15	17	19.99	81	83	58	3	0	1	0
	MIAMI	91	76	96	74	84	0	4.19	1.93	1.22	2.74	209	37.22	89	93	58	6	0	7	3
	ORLANDO	93	76	95	75	85	2	1.20	-0.30	0.91	1.20	140	31.02	82	93	49	6	0	2	1
	PENSACOLA	89	75	93	73	82	0	7.09	5.70	2.80	0.70	85	61.13	133	94	68	4	0	5	4
	TALLAHASSEE	89	73	92	68	81	0	1.52	0.24	0.82	0.82	112	33.67	75	96	59	3	0	3	2
	TAMPA	90	77	94	75	83	1	3.70	1.94	2.20	3.70	361	39.62	114	92	61	5	0	3	2
	WEST PALM BEACH	91	77	94	74	84	1	1.55	-0.42	1.43	1.55	135	28.81	68	90	57	4	0	3	1
GA	ATHENS	87	68	91	58	77	0	0.55	-0.20	0.55	0.00	0	35.62	112	90	51	2	0	1	1
	ATLANTA	85	70	89	64	77	0	0.48	-0.46	0.33	0.00	0	38.98	113	88	52	0	0	2	0
	AUGUSTA	90	65	94	54	78	-1	0.03	-0.76	0.02	0.01	2	40.53	129	94	45	4	0	2	0
	COLUMBUS	87	70	91	62	78	-2	1.57	0.81	0.72	0.14	32	37.06	111	90	55	2	0	3	2
	MACON	88	68	92	56	78	-1	1.12	0.19	1.04	0.00	0	34.03	104	96	54	4	0	2	1
	SAVANNAH	89	69	91	62	79	-1	0.07	-1.23	0.07	0.00	0	32.65	93	98	55	4	0	1	0
HI	HILO	85	70	86	68	77	1	0.37	-1.71	0.15	0.22	18	88.13	108	86	58	0	0	4	0
	HONOLULU	88	75	90	71	81	-1	0.00	-0.13	0.00	0.00	0	9.60	106	74	44	1	0	0	0
	KAHULUI	88	70	91	65	79	-1	0.02	-0.07	0.02	0.02	41	14.57	134	80	49	1	0	1	0
	LIHUE	86	75	87	69	81	1	0.43	0.01	0.12	0.11	48	23.21	107	84	59	0	0	5	0
IA	BURLINGTON	80	64	88	57	72	-1	0.77	-0.20	0.44	0.33	62	29.91	107	95	60	0	0	2	0
	CEDAR RAPIDS	76	58	84	52	67	-1	1.34	0.47	1.27	1.27	278	13.64	52	95	58	0	0	2	1
	DES MOINES	79	63	87	61	71	0	1.15	0.35	0.50	0.30	67	18.26	67	91	58	0	0	3	1
	DUBUQUE	75	58	82	53	66	-1	0.44	-0.46	0.32	0.32	65	21.48	81	96	60	0	0	2	0
	SIOUX CITY	78	61	83	57	70	1	2.37	1.62	1.10	1.03	247	17.22	82	94	58	0	0	3	2
	WATERLOO	78	59	84	57	69	0	0.62	-0.13	0.52	0.52	133	17.19	64	90	53	0	0	3	1
ID	BOISE	85	52	91	47	68	-2	0.00	-0.09	0.00	0.00	0	7.14	92	48	11	2	0	0	0
	LEWISTON	83	54	91	49	68	-2	0.00	-0.17	0.00	0.00	0	3.44	39	49	16	1	0	0	0
	POCATELLO	82	44	87	35	63	-2	0.00	-0.17	0.00	0.00	0	6.39	77	63	12	0	0	0	0
IL	CHICAGO/O_HARE	80	65	89	62	72	2	0.29	-0.59	0.28	0.01	2	19.00	74	83	48	0	0	2	0
	MOLINE	80	61	89	54	71	0	2.75	1.85	2.56	0.09	19	26.74	96	94	58	0	0	3	1
	PEORIA	81	65	90	57	73	1	0.57	-0.19	0.33	0.03	7	30.72	121	88	55	1	0	4	0
	ROCKFORD	81	58	89	53	70	0	0.07	-0.82	0.03	0.04	7	15.24	58	87	47	0	0	3	0
	SPRINGFIELD	82	64	90	55	73	1	3.45	2.76	2.36	2.36	624	35.28	135	96	61	1	0	2	2
IN	EVANSVILLE	84	65	92	58	74	0	1.08	0.42	1.06	1.06	280	32.11	102	96	52	1	0	2	1
	FORT WAYNE	81	61	89	52	71	1	0.61	-0.12	0.33	0.33	85	27.43	100	95	51	0	0	2	0
	INDIANAPOLIS	80	65	90	59	72	0	1.17	0.48	0.92	0.92	237	31.65	106	87	54	1	0	3	1
	SOUTH BEND	82	61	91	55	71	2	0.15	-0.69	0.13	0.02	5	28.28	110	89	47	1	0	3	0
KS	CONCORDIA	83	66	92	62	75	1	1.80	1.14	1.01	0.79	208	19.18	89	93	61	2	0	4	2
	DODGE CITY	91	66	99	61	79	4	1.04	0.50	0.80	0.98	335	14.32	85	95	40	4	0	4	1
	GOODLAND	89	60	98	56	74	4	0.35	-0.06	0.17	0.19	92	11.86	75	100	36	3	0	3	0
	TOPEKA	85	67	93	61	76	2	2.70	1.83	1.27	2.56	536	29.61	109	91	59	1	0	4	2

Based on 1981-2010 normals

***** Not Available**

Weather Data for the Week Ending September 4, 2021

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	92	70	100	67	81	4	2.17	1.34	1.28	2.13	475	23.78	97	93	46	4	0	4	2
KY	LEXINGTON	79	63	89	54	71	-2	2.37	1.72	1.22	0.16	42	40.44	126	95	61	0	0	3	2
	LOUISVILLE	85	67	94	61	76	0	1.53	0.89	0.95	0.00	0	33.39	105	88	49	1	0	2	2
	PADUCAH	86	65	93	57	76	0	0.03	-0.63	0.03	0.03	7	35.12	106	91	49	1	0	1	0
LA	BATON ROUGE	90	73	92	71	81	-1	1.33	-0.36	1.33	0.00	0	63.00	148	100	62	5	0	1	1
	LAKE CHARLES	92	75	94	73	84	2	3.15	1.91	3.02	0.13	17	55.97	143	99	56	7	0	3	1
	NEW ORLEANS	90	76	93	75	83	1	3.31	1.93	3.20	0.00	0	67.22	149	72	29	5	0	2	1
	SHREVEPORT	96	75	98	73	85	4	0.12	-0.50	0.12	0.00	0	37.04	107	86	46	7	0	1	0
MA	BOSTON	79	64	88	59	72	2	4.28	3.59	2.40	4.24	900	38.00	131	83	47	0	0	4	2
	WORCESTER	73	58	82	53	66	0	4.43	3.65	3.04	4.43	900	41.70	131	90	55	0	0	2	2
MD	BALTIMORE	84	65	94	55	74	2	4.81	4.04	4.12	4.12	864	31.03	110	89	51	1	0	2	2
ME	CARIBOU	67	50	80	42	59	-1	0.57	-0.19	0.42	0.15	35	21.45	85	90	60	0	0	3	0
	PORTLAND	75	58	82	50	66	1	1.80	1.10	1.41	1.78	427	27.22	90	98	55	0	0	3	1
MI	ALPENA	77	53	90	45	65	3	0.27	-0.44	0.23	0.04	11	18.11	94	96	46	1	0	2	0
	GRAND RAPIDS	81	60	92	52	71	2	0.04	-0.87	0.04	0.04	7	23.01	91	93	43	1	0	1	0
	HOUGHTON LAKE	77	53	88	42	65	3	0.82	0.11	0.82	0.00	0	18.95	98	94	44	0	0	1	1
	LANSING	81	59	91	52	70	3	0.27	-0.50	0.24	0.03	7	22.26	103	91	45	1	0	2	0
	MUSKEGON	80	60	87	53	70	3	0.09	-0.72	0.05	0.05	11	21.44	102	90	43	0	0	2	0
	TRAVERSE CITY	77	56	89	49	67	2	0.38	-0.41	0.28	0.10	21	20.44	95	91	48	0	0	2	0
MN	DULUTH	72	55	78	51	63	2	0.58	-0.33	0.55	0.03	5	15.28	72	97	54	0	0	3	1
	INT_L FALLS	72	52	77	44	62	3	1.54	0.86	1.35	0.19	47	10.43	60	97	55	0	0	4	1
	MINNEAPOLIS	76	62	83	60	69	1	1.12	0.33	0.82	0.96	219	20.54	90	89	51	0	0	3	1
	ROCHESTER	74	56	82	52	65	0	1.18	0.28	1.04	1.04	217	21.76	87	97	59	0	0	2	1
	ST. CLOUD	75	56	83	52	66	1	0.51	-0.44	0.29	0.47	87	16.63	82	95	51	0	0	3	0
MO	COLUMBIA	87	68	94	63	77	4	1.04	0.08	0.62	0.62	116	38.39	126	95	54	2	0	3	1
	KANSAS CITY	85	67	93	62	76	2	2.63	1.62	0.96	1.67	278	33.14	118	95	61	2	0	4	3
	SAINT LOUIS	85	69	95	62	77	1	2.23	1.54	1.22	0.89	219	32.61	116	84	53	2	0	4	2
	SPRINGFIELD	88	69	90	66	78	3	0.79	-0.22	0.47	0.57	93	36.25	118	94	55	1	0	3	0
MS	JACKSON	89	71	96	68	80	0	1.60	0.85	0.81	0.39	94	41.17	108	94	55	4	0	4	1
	MERIDIAN	86	70	93	66	78	-1	4.19	3.41	3.46	0.67	149	54.77	138	96	63	1	0	4	2
	TUPELO	87	71	91	64	79	0	3.01	2.37	2.44	0.00	0	57.85	157	91	53	3	0	3	1
MT	BILLINGS	80	51	89	47	65	-1	0.01	-0.21	0.01	0.01	8	7.28	71	66	22	0	0	1	0
	BUTTE	75	35	82	32	55	-2	0.00	-0.29	0.00	0.00	0	4.92	48	97	20	0	2	0	0
	CUT BANK	75	39	81	35	57	-2	0.00	-0.29	0.00	0.00	0	4.63	51	77	21	0	0	0	0
	GLASGOW	82	53	91	45	68	3	0.00	-0.23	0.00	0.00	0	4.65	49	75	23	1	0	0	0
	GREAT FALLS	78	40	87	36	59	-3	0.00	-0.39	0.00	0.00	0	9.69	83	80	18	0	0	0	0
	HAVRE	81	43	89	36	62	-1	0.01	-0.24	0.01	0.00	0	5.72	63	81	18	0	0	1	0
	MISSOULA	80	42	87	38	61	-2	0.00	-0.30	0.00	0.00	0	7.34	71	79	18	0	0	0	0
NC	ASHEVILLE	82	62	88	55	72	1	1.50	0.54	1.24	0.27	49	44.74	139	98	51	0	0	2	1
	CHARLOTTE	88	65	93	57	76	1	2.08	1.27	1.77	1.77	394	29.91	103	92	45	3	0	2	1
	GREENSBORO	85	64	93	56	74	-1	1.00	0.04	1.00	1.00	167	31.61	108	91	47	2	0	1	1
	HATTERAS	86	73	90	64	79	2	0.37	-1.28	0.36	0.37	41	44.22	116	89	64	1	0	2	0
	RALEIGH	89	64	96	54	76	0	0.21	-0.84	0.21	0.21	33	31.11	103	96	42	3	0	1	0
	WILMINGTON	88	70	95	62	79	1	0.46	-1.36	0.46	0.46	42	45.59	113	92	51	3	0	1	0
ND	BISMARCK	80	55	86	50	67	3	0.52	0.07	0.51	0.52	201	7.14	50	91	43	0	0	2	1
	DICKINSON	78	52	87	46	65	2	0.13	-0.23	0.06	0.11	53	9.65	76	94	41	0	0	3	0
	FARGO	79	57	83	52	68	3	2.09	1.43	2.07	2.09	541	11.79	71	90	43	0	0	2	1
	GRAND FORKS	78	55	83	49	67	3	0.84	0.26	0.72	0.72	234	12.54	80	90	43	0	0	2	1
	JAMESTOWN	78	55	83	49	67	3	0.78	0.26	0.72	0.78	260	7.83	54	92	44	0	0	2	1
NE	GRAND ISLAND	80	64	85	62	72	1	0.58	-0.01	0.39	0.19	57	22.72	107	93	60	0	0	2	0
	LINCOLN	80	64	89	62	72	0	2.22	1.41	1.10	0.25	54	20.83	94	91	60	0	0	4	2
	NORFOLK	78	63	83	60	71	1	1.77	1.11	1.34	0.15	39	20.67	99	90	58	0	0	4	1
	NORTH PLATTE	83	62	91	59	73	5	0.85	0.50	0.85	0.85	440	19.61	119	90	53	1	0	1	1
	OMAHA	80	65	87	63	73	1	3.80	3.07	2.64	0.82	208	25.40	108	94	59	0	0	4	1
	SCOTTSBLUFF	86	57	92	51	72	4	0.18	-0.08	0.18	0.18	121	7.57	60	89	32	2	0	1	0
	VALENTINE	83	60	89	51	72	3	3.01	2.67	2.31	2.31	900	17.85	109	88	43	0	0	3	2
NH	CONCORD	76	55	86	49	65	0	2.20	1.52	0.95	1.77	444	30.22	113	96	52	0	0	3	2
NJ	ATLANTIC_CITY	81	64	86	55	73	1	1.82	1.11	1.11	0.65	163	35.79	125	96	60	0	0	3	2
	NEWARK	82	67	91	60	74	1	8.44	7.72	8.44	8.44	900	44.77	140	84	48	1	0	1	1
NM	ALBUQUERQUE	87	64	91	60	75	1	0.56	0.29	0.36	0.48	318	4.35	66	79	31	1	0	3	0
NV	ELY	84	45	89	38	65	2	0.02	-0.17	0.02	0.02	19	4.64	66	59	12	0	0	1	0
	LAS VEGAS	99	79	106	73	89	1	0.00	-0.08	0.00	0.00	0	1.14	37	40	14	7	0	0	0
	RENO	91	52	97	47	72	2	0.00	-0.06	0.00	0.00	0	1.74	35	41	6	4	0	0	0
	WINNEMUCCA	90	42	96	37	66	0	0.00	-0.07	0.00	0.00	0	4.83	86	42	6	4	0	0	0
NY	ALBANY	73	55	82	50	64	-3	1.80	1.13	1.47	1.51	380	28.54	107	99	65	0	0	3	1
	BINGHAMTON	70	58	80	52	64	0	0.66	-0.12	0.66	0.66	144	35.22	132	95	72	0	0	1	1
	BUFFALO	79	62	88	55	71	3	0.57	-0.20	0.34	0.00	0	20.29	79	86	49	0	0	2	0
	ROCHESTER	77	59	87	53	68	1	0.13	-0.62	0.12	0.00	0	19.86	86	92	50	0	0	2	0
	SYRACUSE	78	60	86	52	69	2	0.18	-0.63	0.18	0.00	0	30.01	120	94	56	0	0	1	0
OH	AKRON-CANTON	81	62	90	49	71	3	0.65	-0.15	0.26	0.39	83	29.05	105	88	49	1	0	3	0
	CINCINNATI	81	65	91	58	73	0	0.74	0.09	0.25	0.27	76	35.54	118	87	54	1	0	4	0
	CLEVELAND	80	63	89	52	71	2	0.77	-0.04	0.73	0.04	8	28.83	111	84	52	0	0	2	1
	COLUMBUS	81	63	90	54	72	0	1.75	1.02	1.07	0.56	136	28.67	102	95	51	1	0	5	1
	DAYTON	82	62	91	55	72	1	1.64	0.86	0.88	0.33	72	26.75	93	86	49	1	0	5	1
	MANSFIELD	81	62	89	51	72	4	0.28	-0.64	0.15	0.11	22	27.72	88	90	50	0	0	3	0

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

Weather Data for the Week Ending September 4, 2021

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	83	61	93	53	73	3	0.85	0.17	0.69	0.16	40	23.93	101	85	39	1	0	2	1
	YOUNGSTOWN	79	58	89	49	68	2	1.67	0.85	1.44	0.18	36	32.19	120	96	51	0	0	4	1
OK	OKLAHOMA CITY	96	71	98	68	84	4	0.40	-0.43	0.35	0.35	70	23.96	94	90	37	7	0	2	0
	TULSA	97	75	101	72	86	8	0.04	-0.83	0.04	0.04	7	27.83	99	85	42	7	0	1	0
OR	ASTORIA	67	46	72	43	57	-3	0.01	-0.40	0.01	0.00	0	38.24	99	97	55	0	0	1	0
	BURNS	83	36	89	29	60	-1	0.00	-0.10	0.00	0.00	0	5.64	78	59	7	0	2	0	0
	EUGENE	83	48	90	45	65	0	0.00	-0.23	0.00	0.00	0	14.40	54	82	25	2	0	0	0
	MEDFORD	87	53	94	49	70	-1	0.00	-0.11	0.00	0.00	0	6.36	61	66	15	1	0	0	0
	PENDLETON	80	49	88	40	65	-3	0.00	-0.11	0.00	0.00	0	4.25	51	60	17	0	0	0	0
	PORTLAND	80	55	88	51	67	0	0.00	-0.24	0.00	0.00	0	14.63	71	76	29	0	0	0	0
	SALEM	82	52	90	49	67	1	0.00	-0.20	0.00	0.00	0	19.05	85	75	23	2	0	0	0
PA	ALLENTOWN	78	61	87	53	69	1	1.40	0.59	1.25	1.25	246	29.89	99	92	57	0	0	2	1
	ERIE	79	64	90	55	71	3	0.37	-0.48	0.25	0.12	22	24.51	93	82	50	1	0	2	0
	MIDDLETOWN	79	64	89	56	72	1	6.80	6.03	6.64	6.64	900	36.19	132	85	51	0	0	3	1
	PHILADELPHIA	82	66	90	59	74	0	2.34	1.59	2.34	2.34	516	34.18	120	90	54	1	0	1	1
	PITTSBURGH	77	60	88	49	69	-1	3.65	2.87	2.24	2.26	511	28.45	105	96	57	0	0	5	2
	WILKES-BARRE	75	63	84	54	69	2	5.07	4.27	5.07	5.07	900	32.20	126	92	71	0	0	1	1
	WILLIAMSPORT	78	61	86	52	69	1	2.00	1.10	1.89	1.89	355	28.87	105	92	53	0	0	3	1
RI	PROVIDENCE	78	62	86	57	70	0	3.94	3.15	2.40	3.88	814	35.34	114	96	57	0	0	3	2
SC	CHARLESTON	87	69	90	61	78	-1	0.06	-1.60	0.04	0.02	2	41.75	114	94	55	3	0	2	0
	COLUMBIA	88	68	92	56	78	-1	0.10	-0.83	0.08	0.02	3	37.75	116	92	47	3	0	2	0
	FLORENCE	89	68	93	58	78	0	0.00	-1.01	0.00	0.00	0	35.28	113	86	42	3	0	0	0
	GREENVILLE	87	65	93	57	76	-1	1.32	0.44	0.85	0.85	170	34.03	104	91	45	2	0	2	1
SD	ABERDEEN	80	58	86	54	69	4	1.43	0.90	1.43	1.43	484	12.90	78	89	44	0	0	1	1
	HURON	79	58	85	55	69	1	1.84	1.30	1.84	1.84	562	12.15	69	96	47	0	0	1	1
	RAPID CITY	80	54	87	46	67	0	0.29	-0.01	0.29	0.29	172	11.83	91	96	41	0	0	1	0
	SIOUX FALLS	77	60	82	55	69	1	0.82	0.13	0.43	0.34	87	20.00	101	90	56	0	0	3	0
TN	BRISTOL	84	62	93	53	73	1	1.02	0.29	0.53	0.53	120	31.96	107	96	52	2	0	3	1
	CHATTANOOGA	85	69	91	64	77	0	2.97	2.20	2.09	0.00	0	45.66	127	90	53	1	0	2	2
	KNOXVILLE	83	66	91	59	74	-1	2.72	2.08	1.72	0.09	23	35.22	103	99	59	1	0	3	2
	MEMPHIS	89	71	94	66	80	0	0.29	-0.28	0.16	0.04	11	38.92	108	86	50	2	0	3	0
	NASHVILLE	85	67	93	59	76	0	2.71	2.04	2.25	0.00	0	44.13	135	86	53	1	0	3	1
TX	ABILENE	96	73	98	71	85	5	0.00	-0.57	0.00	0.00	0	16.35	94	82	35	7	0	0	0
	AMARILLO	91	68	96	64	79	5	0.91	0.40	0.43	0.63	222	13.70	88	96	36	5	0	3	0
	AUSTIN	99	77	100	75	88	4	0.00	-0.75	0.00	0.00	0	24.66	109	87	37	7	0	0	0
	BEAUMONT	93	75	95	73	84	2	0.43	-1.01	0.23	0.43	50	46.33	115	100	59	7	0	2	0
	BROWNSVILLE	98	78	98	74	88	4	0.00	-1.01	0.00	0.00	0	17.72	114	90	43	7	0	0	0
	CORPUS CHRISTI	97	76	99	73	87	3	0.00	-1.14	0.00	0.00	0	30.03	150	96	46	7	0	0	0
	DEL RIO	102	79	105	74	91	6	0.00	-0.62	0.00	0.00	0	13.00	95	80	33	7	0	0	0
	EL PASO	92	71	95	70	82	2	0.19	-0.17	0.14	0.16	77	10.79	161	73	32	6	0	3	0
	FORT WORTH	97	78	100	76	87	4	0.00	-0.63	0.00	0.00	0	25.33	103	81	40	7	0	0	0
	GALVESTON	93	82	97	79	88	3	0.66	0.00	0.62	0.64	0	29.03	0	82	57	7	0	3	1
	HOUSTON	96	76	99	74	86	3	1.51	0.48	0.77	1.51	263	33.89	104	92	44	7	0	2	2
	LUBBOCK	92	69	95	63	81	5	0.03	-0.50	0.03	0.03	9	18.36	137	78	34	6	0	1	0
	MIDLAND	94	70	96	67	82	3	0.00	-0.46	0.00	0.00	0	13.43	134	81	35	6	0	0	0
	SAN ANGELO	94	71	97	67	83	3	0.37	-0.29	0.37	0.00	0	18.91	130	91	41	6	0	1	0
	SAN ANTONIO	97	77	99	74	87	3	0.04	-0.69	0.03	0.00	0	22.42	105	89	42	7	0	2	0
	VICTORIA	97	76	99	74	86	3	0.10	-0.89	0.08	0.10	16	46.44	169	93	46	7	0	2	0
	WACO	96	76	98	74	86	3	0.01	-0.64	0.01	0.00	0	22.89	101	90	46	7	0	1	0
	WICHITA FALLS	98	72	102	71	85	4	0.00	-0.68	0.00	0.00	0	21.62	107	93	39	7	0	0	0
UT	SALT LAKE CITY	88	63	93	55	75	3	0.00	-0.22	0.00	0.00	0	9.26	86	55	19	2	0	0	0
VA	LYNCHBURG	86	63	94	53	74	2	1.09	0.25	0.67	0.67	128	26.38	93	93	47	2	0	2	1
	NORFOLK	84	68	91	61	76	0	0.52	-0.63	0.29	0.29	41	29.76	91	95	56	2	0	2	0
	RICHMOND	85	65	94	58	75	0	0.81	-0.15	0.56	0.56	99	34.41	112	94	53	1	0	2	1
	ROANOKE	85	64	91	54	74	1	1.13	0.22	0.66	0.66	119	28.54	100	90	50	2	0	3	1
	WASH/DULLES	82	63	91	52	73	0	1.95	1.18	1.85	1.85	398	25.93	91	94	55	1	0	4	1
VT	BURLINGTON	77	60	86	56	68	3	0.65	-0.12	0.40	0.02	4	20.43	83	90	49	0	0	3	0
WA	OLYMPIA	76	44	83	38	60	-2	0.00	-0.34	0.00	0.00	0	28.09	100	95	38	0	0	0	0
	QUILLAYUTE	66	43	73	39	55	-4	0.82	0.10	0.77	0.78	192	44.43	77	100	56	0	0	4	1
	SEATTLE-TACOMA	73	52	78	49	62	-2	0.00	-0.28	0.00	0.00	0	19.81	95	84	38	0	0	0	0
	SPOKANE	77	50	84	42	64	-2	0.00	-0.15	0.00	0.00	0	4.90	47	62	21	0	0	0	0
	YAKIMA	80	46	88	40	63	-2	0.00	-0.09	0.00	0.00	0	2.74	55	77	22	0	0	0	0
WI	EAU CLAIRE	77	56	83	49	66	0	0.44	-0.43	0.39	0.39	80	18.00	79	94	51	0	0	2	0
	GREEN BAY	75	57	83	51	66	2	1.30	0.58	1.06	0.23	57	23.79	114	93	53	0	0	3	1
	LA CROSSE	79	60	86	54	70	1	0.51	-0.37	0.49	0.49	100	30.53	124	92	49	0	0	2	0
	MADISON	77	57	84	48	67	1	0.10	-0.76	0.10	0.10	21	16.45	65	92	49	0	0	1	0
	MILWAUKEE	79	64	90	59	72	3	0.05	-0.71	0.04	0.01	2	11.55	47	83	52	1	0	2	0
WV	BECKLEY	74	57	86	48	66	-2	0.96	0.31	0.67	0.29	74	30.15	100	98	65	0	0	2	1
	CHARLESTON	81	61	91	53	71	-1	1.59	0.81	0.50	0.50	110	28.11	89	98	53	1	0	4	0
	ELKINS	79	56	90	47	67	1	2.47	1.63	1.82	1.82	358	27.73	83	94	47	1	0	3	2
	HUNTINGTON	81	64	90	55	73	0	2.28	1.53	1.40	0.28	66	38.26	125	96	59	1	0	4	2
WY	CASPER	83	47	90	39	65	0	0.07	-0.10	0.06	0.07	69	10.28	111	76	16	1	0	2	0
	CHEYENNE	82	55	92	50	68	4	0.12	-0.24	0.12	0.12	57	9.43	74	85	23	1	0	1	0
	LANDER	81	50	87	43	65	0	0.29	0.16	0.16	0.29	370	10.58	116	70	22	0	0	3	0
	SHERIDAN	83	45	94	38	64	0	0.00	-0.24	0.00	0.00	0	8.82	86	78	23	2	0	0	0

Based on 1981-2010 normals

***** Not Available**

National Agricultural Summary

August 30 – September 5, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

During the week, most of the southern Atlantic Coast, Great Lakes, Pacific Northwest, southern Plains, and northern Rockies were dry. In contrast, much of the mid-Atlantic, Mississippi Valley, Northeast, central and northern Plains, central Rockies, and Southwest recorded at least twice the normal amount of precipitation. Hurricane Ida and its remnants brought 6 inches of rain or more to some locations in the Gulf Coast, mid-Atlantic and Northeast. Meanwhile, most of the East, Pacific Northwest, and northern Rockies recorded below-normal temperatures. Large sections of Oregon and Washington recorded temperatures 3°F or more below normal. In contrast, most of the nation's mid-section was warmer than normal. The central and southern Plains recorded temperatures 3°F or more above normal.

Corn: By September 5, ninety-five percent of the corn acreage was at or beyond the dough stage, 2 percentage points behind last year but 1 point ahead of the 5-year average. By September 5, seventy-four percent of this year's corn acreage was denting, 3 percentage points behind last year but 5 points ahead of average. During the week, denting progress advanced 10 percentage points or more in 16 of the 18 estimating states. Twenty-one percent of the nation's corn was mature by September 5, two percentage points behind last year but 2 points ahead of average. On September 5, fifty-nine percent of the corn acreage was rated in good to excellent condition, 1 percentage point below the previous week and 2 points below the same time last year. In Iowa, 60 percent of the corn was rated good to excellent.

Soybean: Nationally, 96 percent of the nation's soybeans had begun setting pods, 2 percentage points behind last year but equal to the 5-year average. Nationally, leaf drop was 18 percent complete by September 5, equal to last year but 3 percentage points ahead of average. On September 5, fifty-seven percent of the soybean acreage was rated in good to excellent condition, 1 percentage point above the previous week but 8 points below the same time last year.

Winter Wheat: Nationwide, producers had sown 5 percent of the intended 2022 winter wheat acreage by September 5, equal to last year but 2 percentage points ahead of the 5-year average. Progress was most advanced in Washington with 36 percent planted, 6 percentage points ahead of last year and 18 points ahead of average.

Cotton: By September 5, ninety-four percent of the nation's cotton had begun setting bolls, 2 percentage points behind last year and 3 points behind the 5-year average. By September 5, twenty-nine percent of the cotton had open bolls, 7 percentage points behind last year and 5 points behind average. On September 5, sixty-one percent of the 2021 cotton acreage was rated in good to excellent condition, 9 percentage points below the previous week but 16 points above the same time last year.

Sorghum: Seventy-three percent of the nation's sorghum was at or beyond the coloring stage by September 5, one percentage point ahead of last year and 4 points ahead of the 5-year average. On September 5, thirty-two percent of the sorghum acreage was mature, 4 percentage points ahead of last year and 1 point ahead of average. Seventy-seven percent of the Texas sorghum acreage was mature by September 5, one percentage point ahead of both last year and the average. Nineteen percent of the 2021 sorghum acreage had been harvested by September 5, two percentage points behind last year and 3 points behind average. Fifty-seven percent of the nation's sorghum was rated in good to excellent condition on September 5, one percentage point below the previous week but 8 points above the same time last year.

Rice: Nationally, 28 percent of the rice acreage was harvested by September 5, three percentage points ahead of last year but 3 points behind the 5-year average. On September 5, seventy-five percent of the nation's rice was rated in good to excellent condition, two percentage points below the previous week and 3 points below the same time last year.

Small Grains: Ninety-seven percent of the nation's oats had been harvested by September 5, two percentage points ahead of last year and 3 points ahead of the 5-year average. Harvesting of oats was complete or nearing completion in all nine estimating states.

By September 5, producers had harvested 92 percent of the nation's barley, 9 percentage points ahead of last year and 5 points ahead of the 5-year average. Harvest progress was ahead of average in all five estimating states.

By September 5, ninety-five percent of the nation's spring wheat had been harvested, 15 percentage points ahead of the previous year and 12 points ahead of the 5-year average. Harvest progress was ahead of average in all six estimating states.

Other Crops: On September 5, seventy-four percent of the nation's peanut acreage was rated in good to excellent condition, 2 percentage points below the previous week but 1 point above the same time last year.

Crop Progress and Condition

Week Ending September 5, 2021

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

Corn Percent Dough

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
CO	94	88	95	89
IL	100	88	96	96
IN	97	93	96	93
IA	97	95	97	95
KS	97	91	95	95
KY	94	78	84	93
MI	91	87	94	82
MN	99	95	97	95
MO	100	96	96	98
NE	100	93	96	97
NC	100	99	100	100
ND	93	89	94	91
OH	94	87	93	88
PA	86	70	80	81
SD	96	89	97	93
TN	100	98	100	99
TX	98	95	98	98
WI	93	83	91	84
18 Sts	97	91	95	94

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

Corn Percent Dented

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
CO	59	27	42	50
IL	84	65	83	76
IN	66	57	72	65
IA	82	66	77	72
KS	81	63	76	80
KY	81	62	72	83
MI	60	36	61	49
MN	83	50	71	65
MO	90	73	84	86
NE	83	64	78	75
NC	93	94	97	95
ND	48	45	63	49
OH	54	54	73	54
PA	48	20	41	54
SD	70	42	68	59
TN	86	80	91	92
TX	92	84	89	89
WI	62	46	65	52
18 Sts	77	59	74	69

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

Corn Percent Mature

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
CO	9	3	10	5
IL	21	4	30	23
IN	18	8	15	18
IA	26	6	14	14
KS	29	12	26	31
KY	49	30	43	56
MI	8	1	5	5
MN	20	6	18	8
MO	22	11	31	33
NE	25	8	18	14
NC	82	74	86	86
ND	5	5	12	7
OH	4	3	10	10
PA	6	1	1	9
SD	21	8	18	11
TN	42	25	38	59
TX	72	60	66	66
WI	13	2	7	9
18 Sts	23	9	21	19

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

Corn Condition by Percent

	VP	P	F	G	EX
CO	1	13	25	47	14
IL	2	5	26	43	24
IN	2	5	22	57	14
IA	2	8	30	52	8
KS	6	13	27	45	9
KY	2	4	13	65	16
MI	1	4	25	47	23
MN	9	17	37	31	6
MO	2	7	27	54	10
NE	4	10	22	41	23
NC	1	2	16	62	19
ND	16	27	39	18	0
OH	1	6	21	56	16
PA	0	1	13	67	19
SD	16	29	32	21	2
TN	1	4	20	59	16
TX	1	9	29	44	17
WI	2	4	19	44	31
18 Sts	4	10	27	45	14
Prev Wk	4	10	26	46	14
Prev Yr	5	9	25	46	15

Sorghum Percent Coloring

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
CO	54	49	76	52
KS	65	48	64	61
NE	75	61	81	72
OK	58	45	59	58
SD	80	51	81	63
TX	87	85	88	86
6 Sts	72	59	73	69

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

Sorghum Percent Mature

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
CO	14	0	21	5
KS	6	1	11	7
NE	11	2	6	9
OK	13	6	14	23
SD	12	1	23	9
TX	76	75	77	76
6 Sts	28	23	32	31

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

Sorghum Percent Harvested

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
CO	0	0	0	0
KS	0	0	0	0
NE	0	0	0	0
OK	1	0	0	5
SD	0	0	0	0
TX	72	63	66	65
6 Sts	21	18	19	22

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

Sorghum Condition by Percent

	VP	P	F	G	EX
CO	3	11	22	51	13
KS	3	9	32	48	8
NE	8	14	27	38	13
OK	0	4	25	64	7
SD	11	28	44	17	0
TX	1	8	28	48	15
6 Sts	3	10	30	47	10
Prev Wk	3	9	30	49	9
Prev Yr	6	11	34	37	12

Crop Progress and Condition

Week Ending September 5, 2021

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

Soybeans Percent Setting Pods

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
AR	100	96	98	99
IL	97	95	96	96
IN	99	94	97	95
IA	98	97	99	97
KS	92	81	86	92
KY	89	84	88	89
LA	100	100	100	100
MI	100	100	100	94
MN	100	98	100	99
MS	98	96	97	98
MO	94	82	88	91
NE	100	97	100	98
NC	93	86	93	90
ND	100	95	98	98
OH	100	89	92	97
SD	99	97	99	97
TN	94	90	95	95
WI	99	95	97	95
18 Sts	98	93	96	96

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

Soybeans Percent Dropping Leaves

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
AR	21	15	21	25
IL	2	5	9	7
IN	17	9	18	16
IA	17	2	10	7
KS	19	6	12	11
KY	13	5	10	12
LA	66	31	43	60
MI	18	3	22	11
MN	13	9	25	9
MS	37	25	36	40
MO	1	3	4	3
NE	34	12	20	18
NC	9	7	11	12
ND	31	24	44	31
OH	16	3	10	12
SD	37	23	37	24
TN	14	10	16	17
WI	11	1	6	6
18 Sts	18	9	18	15

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

Soybean Condition by Percent

	VP	P	F	G	EX
AR	2	5	29	45	19
IL	3	6	26	45	20
IN	2	7	24	57	10
IA	2	7	30	51	10
KS	7	9	27	51	6
KY	2	4	16	63	15
LA	0	2	15	75	8
MI	1	6	29	45	19
MN	8	18	40	29	5
MS	2	2	14	77	5
MO	1	6	32	54	7
NE	3	7	23	46	21
NC	2	7	22	59	10
ND	16	26	42	16	0
OH	1	8	27	53	11
SD	11	29	38	21	1
TN	2	5	21	57	15
WI	2	5	19	51	23
18 Sts	4	10	29	46	11
Prev Wk	5	10	29	45	11
Prev Yr	3	7	25	52	13

Cotton Percent Setting Bolls

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
AL	99	96	99	99
AZ	100	100	100	100
AR	100	100	100	100
CA	100	100	100	89
GA	99	95	97	99
KS	92	89	93	85
LA	100	100	100	100
MS	95	92	94	97
MO	89	97	98	96
NC	93	93	96	97
OK	94	77	90	94
SC	91	97	99	97
TN	100	96	100	100
TX	95	81	92	97
VA	96	90	93	98
15 Sts	96	86	94	97

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

Cotton Percent Bolls Opening

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
AL	33	10	21	42
AZ	91	77	88	73
AR	65	23	35	54
CA	14	10	30	14
GA	33	22	34	42
KS	20	20	27	15
LA	71	48	58	75
MS	39	42	55	44
MO	12	2	18	30
NC	23	7	22	29
OK	25	10	15	21
SC	6	12	17	28
TN	14	5	7	29
TX	38	22	28	31
VA	25	9	16	26
15 Sts	36	21	29	34

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

Cotton Condition by Percent

	VP	P	F	G	EX
AL	0	4	15	76	5
AZ	0	3	9	53	35
AR	0	1	10	46	43
CA	0	0	20	80	0
GA	1	3	32	54	10
KS	1	8	37	48	6
LA	0	2	26	70	2
MS	4	5	20	64	7
MO	0	5	26	69	0
NC	2	8	25	58	7
OK	0	1	31	67	1
SC	0	0	22	64	14
TN	6	11	20	52	11
TX	1	8	37	42	12
VA	0	1	5	93	1
15 Sts	1	6	32	50	11
Prev Wk	1	5	24	55	15
Prev Yr	11	16	28	36	9

Crop Progress and Condition

Week Ending September 5, 2021

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

Peanut Condition by Percent

	VP	P	F	G	EX
AL	0	0	12	72	16
FL	1	3	25	70	1
GA	0	2	24	59	15
NC	1	5	18	70	6
OK	0	0	24	76	0
SC	0	0	13	76	11
TX	0	1	43	55	1
VA	0	0	4	92	4
8 Sts	0	2	24	64	10
Prev Wk	1	2	21	64	12
Prev Yr	1	4	22	60	13

Oats Percent Harvested

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
IA	100	99	100	100
MN	97	97	100	94
NE	100	100	100	100
ND	83	78	93	86
OH	100	100	100	100
PA	91	90	93	89
SD	100	99	100	98
TX	100	100	100	100
WI	97	85	93	89
9 Sts	95	92	97	94

These 9 States harvested 76% of last year's oat acreage.

Rice Percent Harvested

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
AR	9	6	18	22
CA	2	0	3	1
LA	85	74	80	83
MS	13	6	18	32
MO	0	5	6	6
TX	91	68	84	86
6 Sts	25	19	28	31

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

Spring Wheat Percent Harvested

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
ID	84	86	90	83
MN	93	99	100	91
MT	83	85	95	80
ND	74	84	94	81
SD	97	99	100	95
WA	80	95	96	84
6 Sts	80	88	95	83

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

Winter Wheat Percent Planted

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
AR	0	NA	0	0
CA	0	NA	0	0
CO	15	12	22	7
ID	5	3	9	3
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	4	NA	3	2
NE	2	NA	1	3
NC	0	NA	0	0
OH	0	NA	0	0
OK	1	NA	0	0
OR	4	2	3	3
SD	7	NA	3	3
TX	3	NA	1	2
WA	30	18	36	18
18 Sts	5	NA	5	3

These 18 States planted 90% of last year's winter wheat acreage.

Rice Condition by Percent

	VP	P	F	G	EX
AR	2	5	25	45	23
CA	0	0	10	80	10
LA	0	0	15	79	6
MS	1	4	11	74	10
MO	0	3	38	57	2
TX	1	1	24	58	16
6 Sts	1	3	21	60	15
Prev Wk	1	2	20	62	15
Prev Yr	1	3	18	61	17

Barley Percent Harvested

	Prev Year	Prev Week	Sep 5 2021	5-Yr Avg
ID	88	88	92	89
MN	96	98	100	98
MT	78	79	89	83
ND	85	87	96	88
WA	86	95	96	83
5 Sts	83	85	92	87

These 5 States harvested 81% of last year's barley acreage.

Crop Progress and Condition

Week Ending September 5, 2021

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

Pasture and Range Condition by Percent
Week Ending Sep 5, 2021

	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	3	11	79	6	NH	0	0	10	70	20
AZ	5	8	46	29	12	NJ	0	3	13	84	0
AR	8	25	40	25	2	NM	7	24	46	17	6
CA	40	15	25	20	0	NY	1	6	10	56	27
CO	9	19	28	34	10	NC	2	25	44	27	2
CT	0	0	40	45	15	ND	48	32	14	6	0
DE	0	6	87	7	0	OH	0	7	32	54	7
FL	1	4	14	58	23	OK	3	8	37	49	3
GA	2	8	26	54	10	OR	76	12	9	3	0
ID	24	34	31	11	0	PA	0	6	20	64	10
IL	6	11	36	34	13	RI	0	0	0	50	50
IN	4	12	37	42	5	SC	0	3	25	58	14
IA	7	18	41	32	2	SD	37	41	17	5	0
KS	6	16	38	38	2	TN	2	9	29	52	8
KY	2	5	24	57	12	TX	6	16	38	33	7
LA	0	4	32	61	3	UT	21	41	29	9	0
ME	0	15	55	25	5	VT	0	0	0	100	0
MD	0	10	45	34	11	VA	5	23	47	22	3
MA	0	0	0	60	40	WA	78	13	6	3	0
MI	5	23	31	32	9	WV	3	8	45	44	0
MN	35	34	24	4	3	WI	4	11	22	43	20
MS	1	6	33	53	7	WY	33	32	21	13	1
MO	1	7	27	61	4	48 Sts	20	21	30	24	5
MT	52	35	13	0	0						
NE	14	18	40	23	5	Prev Wk	21	23	28	23	5
NV	40	30	30	0	0	Prev Yr	19	27	32	20	2

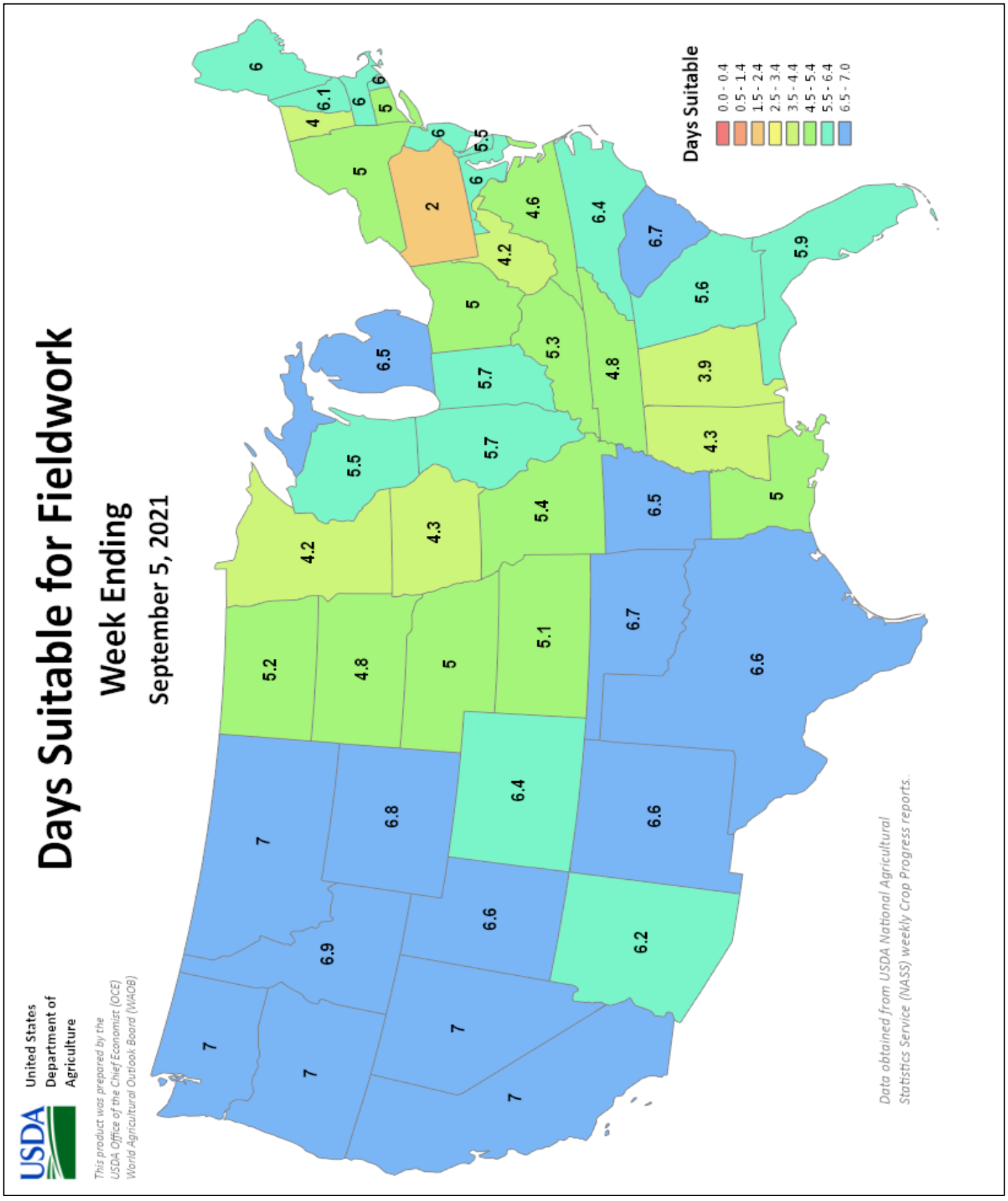
VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
*** Revised**

Crop Progress and Condition

Week Ending September 5, 2021

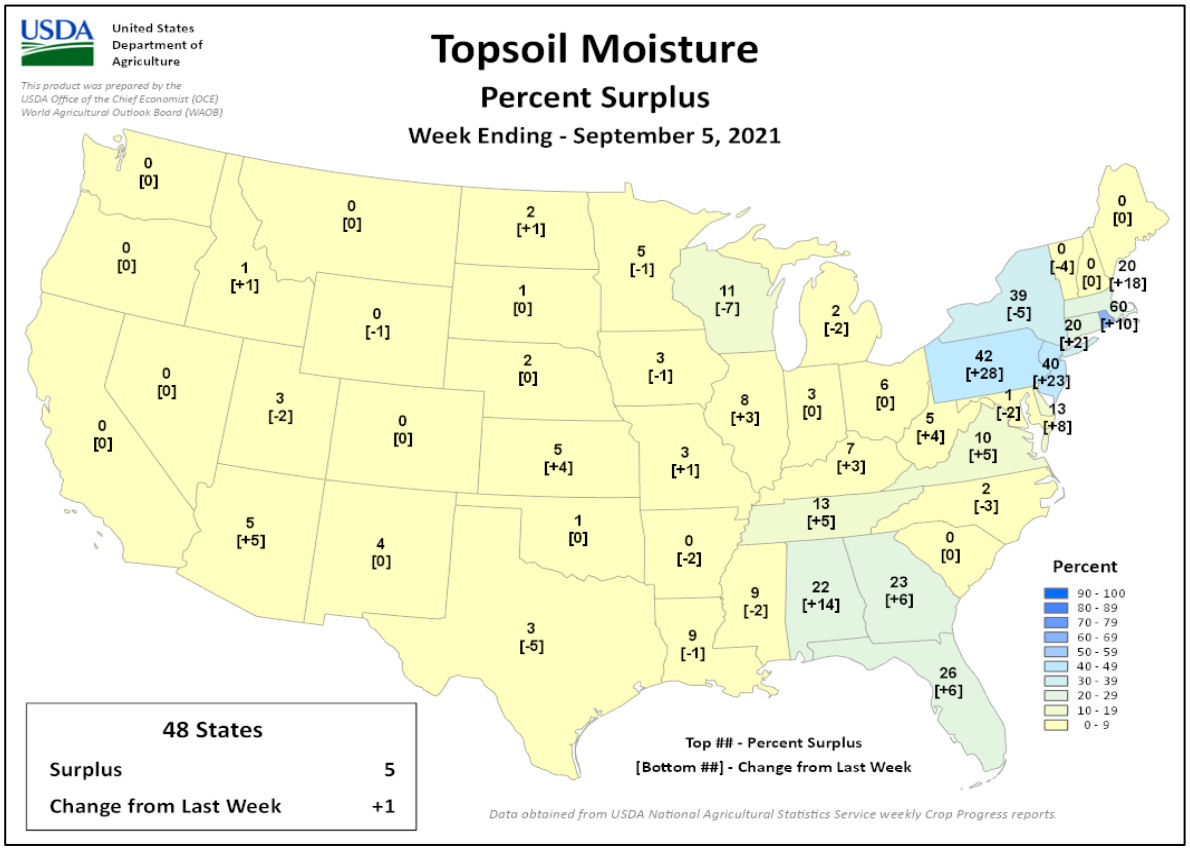
Weekly U.S. Progress and Condition Data provided by USDA/NASS

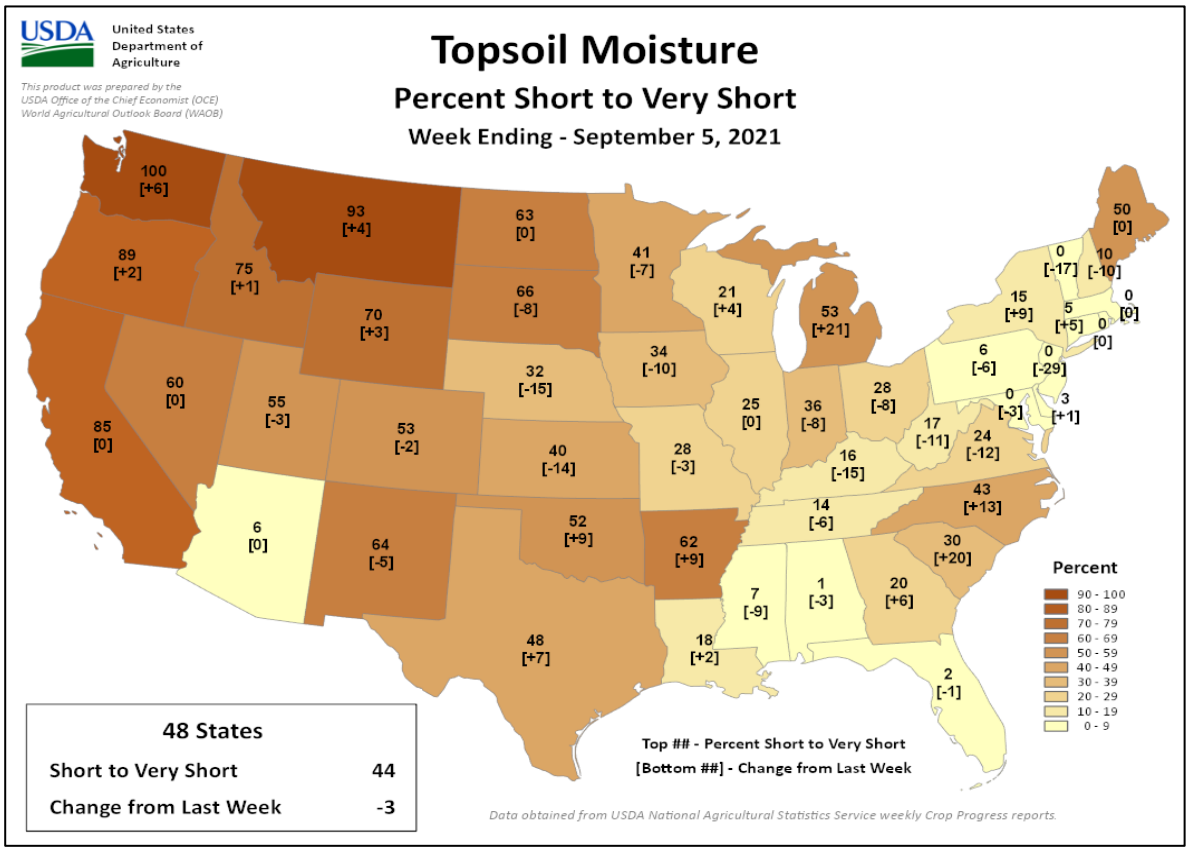


Crop Progress and Condition

Week Ending September 5, 2021

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

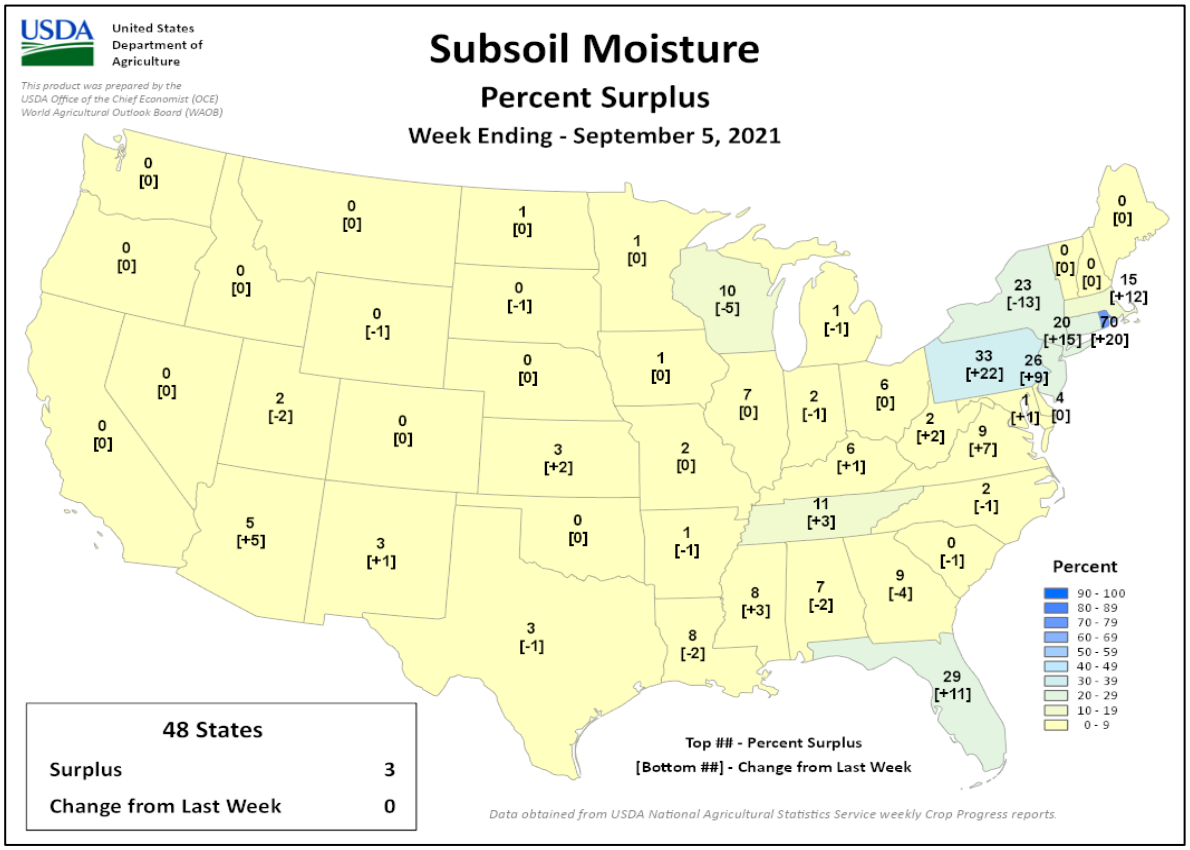


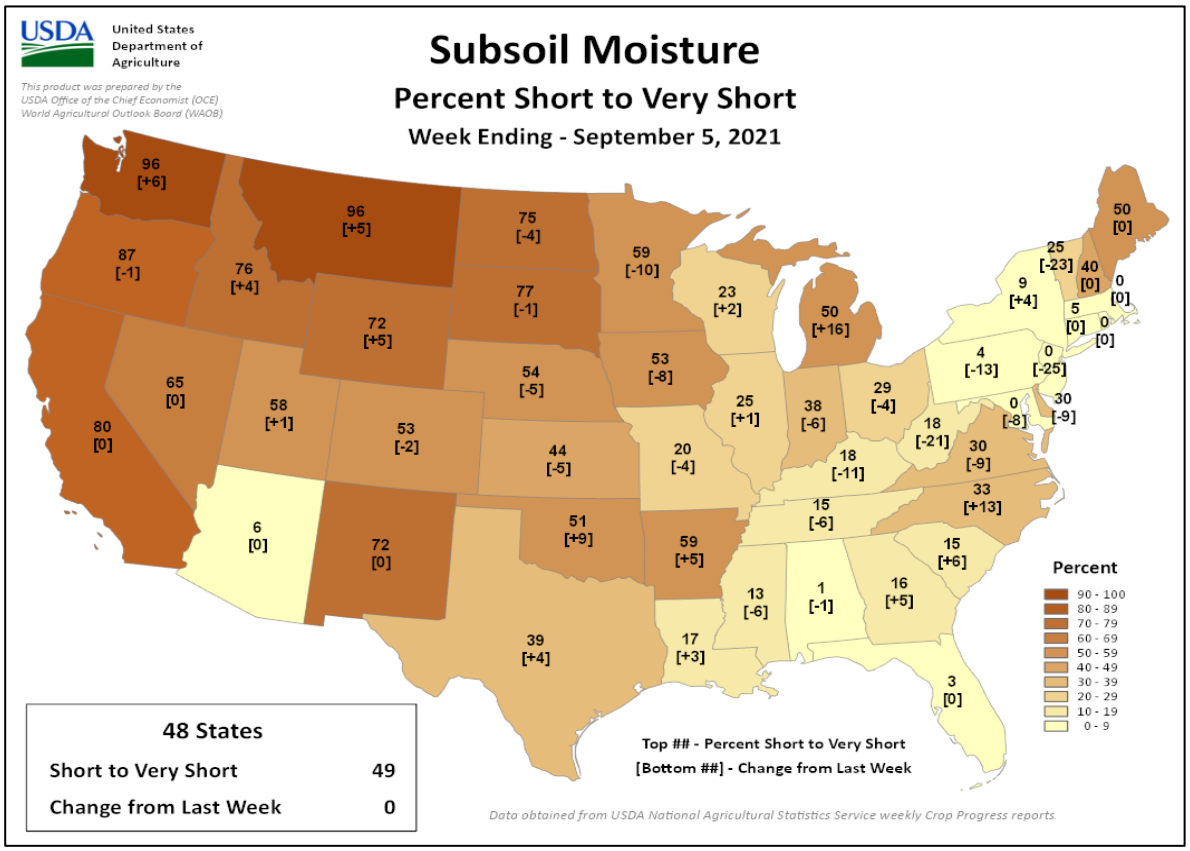


Crop Progress and Condition

Week Ending September 5, 2021

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





International Weather and Crop Summary

August 29 - September 4, 2021

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

EUROPE: Cool, wet weather prevailed over much of central and eastern Europe, while dry conditions lingered in France.

WESTERN FSU: Widespread, locally heavy showers benefited later-developing summer crops in the north and west but hampered harvesting as well as early winter crop sowing in the south.

MIDDLE EAST: Seasonably dry weather favored summer crop harvesting over central and southern Turkey, with most of the region still a month or so away from the onset of cool-season rains.

SOUTH ASIA: Downpours in western India eased season-long dryness for cotton and oilseeds, but more moisture is needed for crops progressing through reproduction.

EAST ASIA: Wet weather across east-central China maintained favorable soil moisture for immature summer crops while increasing moisture reserves for the upcoming winter cropping season.

SOUTHEAST ASIA: Monsoon showers across the region benefited rice and other crops.

AUSTRALIA: Widespread showers helped sustain good to excellent winter crop prospects in the southeast.

ARGENTINA: Showers brought timely moisture to winter grains in central Argentina.

BRAZIL: Dry weather dominated the region.

MEXICO: Showers intensified in northwestern watersheds, fueled in part by a weakening Hurricane Nora.

CANADIAN PRAIRIES: Diminished rain favored a return to spring grain and oilseed harvesting, where fields could support equipment.

SOUTHEASTERN CANADA: Mild, sunny weather advanced development of maturing corn and soybeans.

August 2021

COUNTRY	CITY	TEMPERATURE (C)						PRECIP. (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	33	22	40	17	28	1.8	0	-5
	BATNA	39	19	43	14	29	2.9	20	2
ARGENT	IGUAZU	27	14	36	4	20	2	41	-50
	FORMOSA	27	12	38	4	20	1.6	17	-29
	CERES	24	7	36	0	15	0.9	1	-15
	CORDOBA	22	4	36	-3	13	1.3	0	-7
	RIO CUARTO	21	6	32	-2	14	2.4	0	-15
	ROSARIO	22	5	32	-4	13	1	2	-28
	BUENOS AIRES	19	5	30	-2	12	0.3	37	-10
	SANTA ROSA	20	4	28	-2	12	2.1	1	-27
	TRES ARROYOS	17	4	26	-4	11	1.8	4	-40
AUSTRA	DARWIN	33	22	35	18	27	1.3	19	16
	BRISBANE	22	11	26	7	17	1	7	-34
	PERTH	19	10	26	3	15	1.3	29	-87
	CEDUNA	19	7	25	0	13	0	12	-20
	ADELAIDE	16	9	23	2	12	0.6	23	-31
	MELBOURNE	16	7	22	2	12	1.1	30	-12
	WAGGA	15	4	21	-1	10	0.5	26	-26
	CANBERRA	14	2	20	-3	8	0.8	36	-11
AUSTRI	VIENNA	24	15	33	8	20	-1.1	112	41
	INNSBRUCK	23	13	33	10	18	0.3	142	30
BAHAMA	NASSAU	33	26	38	23	30	0.9	147	-67
BARBAD	BRIDGETOWN	31	25	32	23	28	0.8	207	56
BELARU	MINSK	22	12	29	6	17	-0.4	74	7
BERMUD	ST GEORGES	30	26	31	23	28	0.3	55	-94
BOLIVI	LA PAZ	16	-3	18	-7	7	0.8	6	-8
BRAZIL	FORTALEZA	31	25	33	24	28	0.9	1	******
	RECIFE	27	22	28	20	24	-1.5	105	-41
	CAMPO GRANDE	31	18	36	12	24	0.5	31	-22
	FRANCA	28	16	33	12	22	1.4	0	-32
	RIO DE JANEI	27	17	34	12	22	-0.4	26	-8
	LONDRINA	***	***	36	9	***	*****	21	-30
	SANTA MARIA	22	12	35	2	17	0.7	124	10
BULGAR	SOFIA	30	16	38	8	23	2.2	94	30
BURKIN	OUAGADOUGOU	32	24	36	20	28	0.8	382	181
CANADA	LETHBRIDGE	26	10	36	3	18	0.3	46	******
	REGINA	25	11	35	4	18	0	105	50
	WINNIPEG	25	15	34	9	20	-0.2	109	44
	TORONTO	29	19	34	13	24	3.5	58	-16
	MONTREAL	28	19	34	13	24	3.4	36	-54
	PRINCE ALBER	23	10	34	3	16	-0.1	56	-3
	CALGARY	24	11	34	4	17	1.4	77	19
	VANCOUVER	23	15	29	9	19	0.9	37	2
CANARY	LAS PALMAS	28	22	36	20	25	0.9	0	0
CHILE	SANTIAGO	18	4	27	-3	11	2	14	-30
CHINA	HARBIN	26	18	30	9	22	-0.3	151	41
	HAMI	34	18	40	10	26	1.2	7	1
	BEIJING	30	22	34	17	26	0.4	146	7
	TIENTSIN	30	22	34	18	26	-0.6	129	4
	LHASA	23	12	27	9	18	2.4	166	51
	KUNMING	26	18	30	16	22	1.8	219	20
	CHENGCHOW	30	23	35	18	27	1	235	98
	YEHCHANG	29	23	36	18	26	0.3	155	-55
	HANKOW	32	25	38	20	29	0.8	268	150
	CHUNGKING	32	26	41	20	29	-0.3	218	89
	CHIHKIANG	33	24	39	20	29	1.7	196	86
	WU HU	31	25	36	21	28	-0.4	283	137
	SHANGHAI	32	26	36	23	29	0.8	374	176
	NANCHANG	33	26	36	23	30	0.5	284	170
	TAIPEI	32	27	35	25	30	-0.3	228	-91
	CANTON	33	25	36	22	29	2.1	438	206
	NANNING	34	26	37	22	30	1.8	105	-75
COTE D	ABIDJAN	28	24	30	22	26	1.4	84	44
CUBA	CAMAGUEY	32	24	34	22	28	-0.1	165	******
CYPRUS	LARNACA	36	24	39	21	30	2.2	0	0
CZECHR	PRAGUE	22	13	30	8	17	-0.8	97	32
DENMAR	COPENHAGEN	21	13	24	8	17	-0.5	112	48
EGYPT	CAIRO	37	27	43	25	32	2.9	0	******
	ASWAN	43	28	47	26	36	1.3	0	0
ESTONI	TALLINN	19	12	24	6	16	-0.3	124	38

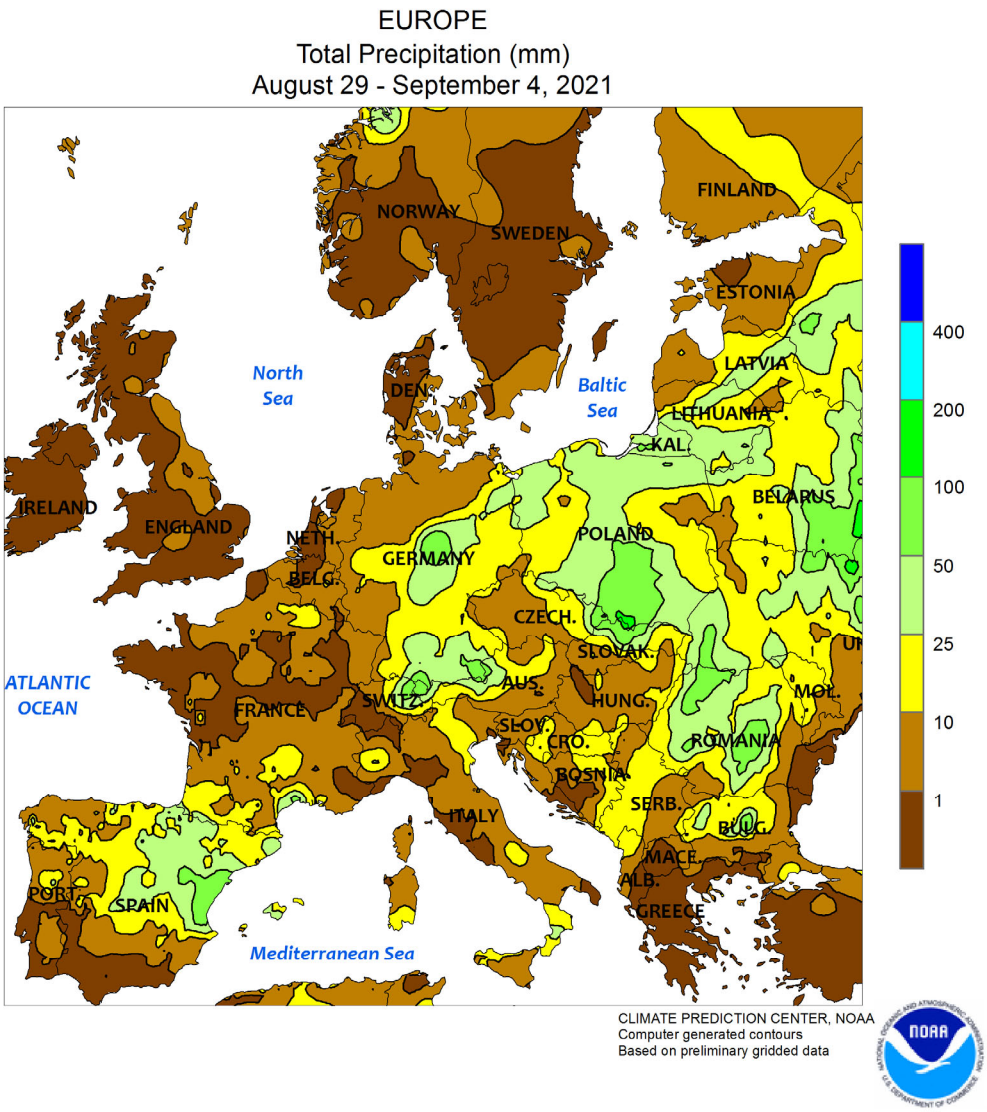
Based on Preliminary Reports

August 2021

COUNTRY	CITY	TEMPERATURE (C)						PRECIP. (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ETHIOP	ADDIS ABABA	***	***	24	11	***	*****	*****	******
F GUIA	CAYENNE	32	23	34	22	28	1.0	276	133
FIJI	NAUSORI	26	19	30	15	23	0.0	126	-9
FINLAN	HELSINKI	20	12	25	5	16	-0.1	168	89
FRANCE	PARIS/ORLY	24	14	31	11	19	-0.5	14	-39
	STRASBOURG	24	14	32	10	19	-0.5	79	17
	BOURGES	24	14	33	10	19	-0.5	9	-46
	BORDEAUX	26	15	34	12	21	-0.3	17	-40
	TOULOUSE	28	16	36	12	22	0.0	13	-34
	MARSEILLE	30	18	38	14	24	0.0	14	-14
GABON	LIBREVILLE	28	24	30	22	26	1.2	51	33
GERMAN	HAMBURG	21	13	27	8	17	-0.7	108	31
	BERLIN	23	14	30	8	18	-0.7	76	17
	DUSSELDORF	22	14	27	9	18	-1.2	109	39
	LEIPZIG	22	13	30	9	18	-0.8	141	76
	DRESDEN	22	13	29	8	18	-0.9	104	20
	STUTTGART	22	13	30	9	17	-1.2	120	55
	NURNBERG	22	13	30	7	17	-0.8	131	67
	AUGSBURG	22	12	30	9	17	-1.1	116	29
GREECE	THESSALONIKA	34	22	40	18	28	1.1	12	-6
	LARISSA	35	19	44	16	27	0.8	41	24
	ATHENS	35	25	43	21	30	1.6	0	-4
GUADEL	RAIZET	32	25	33	23	28	0.8	136	0
HONGKO	HONG KONG IN	32	28	35	24	30	-0.1	159	******
HUNGAR	BUDAPEST	27	16	36	8	21	-0.4	73	16
ICELAN	REYKJAVIK	15	11	19	9	13	2.2	90	23
INDIA	AMRITSAR	35	26	37	21	30	0.7	87	-90
	NEW DELHI	35	26	38	24	31	0.3	298	63
	AHMEDABAD	34	26	37	23	30	1.4	54	-214
	INDORE	28	22	32	21	25	-0.2	164	-121
	CALCUTTA	34	27	36	24	30	0.9	353	5
	VERAVAL	31	26	33	25	29	0.7	85	******
	BOMBAY	30	25	32	23	28	0.1	444	******
	POONA	28	21	32	19	25	-0.1	42	-106
	BEGAMPET	31	23	34	22	27	0.9	145	-71
	VISHAKHAPATN	33	27	37	23	30	1.3	135	-47
	MADRAS	34	26	37	22	30	-0.3	147	11
	MANGALORE	29	23	30	22	26	0.2	486	******
INDONE	SERANG	33	24	34	23	28	0.8	34	-16
IRELAN	DUBLIN	19	11	22	7	15	0.2	66	-2
ITALY	MILAN	30	18	35	13	24	-0.1	1	-66
	VERONA	30	17	36	12	24	-1.1	27	-63
	VENICE	29	19	34	14	24	0.3	21	-46
	GENOA	28	22	34	20	25	0.0	3	-53
	ROME	31	21	36	15	26	1.2	0	-21
	NAPLES	32	22	38	17	27	1.4	21	-3
JAMAIC	KINGSTON	32	25	34	22	29	-0.3	610	511
JAPAN	SAPPORO	27	20	35	13	24	1.2	112	-12
	NAGOYA	32	25	38	22	28	0.4	350	224
	TOKYO	32	24	37	18	28	0.4	392	223
	YOKOHAMA	31	25	35	19	28	0.6	280	133
	KYOTO	32	25	39	22	28	-0.6	474	337
	OSAKA	32	26	39	22	29	0.0	320	229
KAZAKH	KUSTANAY	29	15	36	3	22	3.1	5	-30
	TSELINOGRAD	27	14	34	5	21	1.6	7	-17
	KARAGANDA	27	12	35	6	20	1.7	20	-8
KENYA	NAIROBI	23	13	31	9	18	-0.9	12	1
LIBYA	BENGHAZI	35	24	44	20	30	3.3	0	******
LITHUA	KAUNAS	21	12	29	7	17	-0.4	123	44
LUXEMB	LUXEMBOURG	21	13	27	9	17	-1.1	72	-4
MALAYS	KUALA LUMPUR	32	24	34	22	28	0.6	187	25
MALI	BAMAKO	31	22	34	20	26	0.1	287	28
MARSHA	MAJURO	31	26	35	25	29	0.8	271	-19
MARTIN	LAMENTIN	31	25	33	22	28	0.7	163	-107
MAURIT	NOUAKCHOTT	34	26	46	23	30	1.3	*****	******
MEXICO	GUADALAJARA	27	17	30	15	22	0.7	293	******
	TLAXCALA	23	14	26	10	19	1.0	116	21
	ORIZABA	25	17	29	15	21	0.5	526	******
MOROCC	CASABLANCA	27	20	32	18	24	0.2	0	0
	MARRAKECH	38	20	48	16	29	0.4	0	-3

COUNTRY	CITY	TEMPERATURE (C)						PRECIP. (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
MOZAMB	MAPUTO	26	15	35	10	21	0	13	-5
N KORE	PYONGYANG	29	22	32	19	25	-0.2	235	37
NEW CA	NOUMEA	24	18	30	14	21	1.2	5	-64
NIGER	NIAMEY	33	25	38	22	29	0.7	211	54
NORWAY	OSLO	20	11	24	6	15	0.3	14	-78
NZEALA	AUCKLAND	16	9	19	2	12	0.5	91	-8
	WELLINGTON	13	8	16	4	11	0.2	116	26
P RICO	SAN JUAN	32	27	33	24	29	0.3	67	-72
PAKIST	KARACHI	33	28	37	28	30	1.2	0	-65
PERU	LIMA	18	15	20	14	17	-0.1	0	******
PHILIP	MANILA	32	26	36	23	29	0.6	241	-180
PNEWGU	PORT MORESBY	30	25	33	22	27	1.0	7	-19
POLAND	WARSAW	22	13	29	7	17	-0.9	169	104
	LODZ	22	12	30	5	17	-1.8	167	110
	KATOWICE	22	13	30	7	17	-0.9	229	155
PORTUG	LISBON	29	18	36	15	24	-0.2	0	-7
ROMANI	BUCHAREST	31	15	38	8	23	1.6	53	1
RUSSIA	ST.PETERSBUR	20	14	26	8	17	0.3	103	19
	KAZAN	28	17	38	8	22	4.3	9	-49
	MOSCOW	24	15	31	8	20	2.9	85	2
	YEKATERINBUR	26	15	36	7	20	4.7	79	8
	OMSK	25	13	32	7	19	2.3	42	-12
	BARNAUL	25	13	30	6	19	1.2	27	-17
	KHABAROVSK	25	15	31	10	20	0.4	144	-7
	VLADIVOSTOK	25	19	31	13	22	1.9	30	-121
	VOLGOGRAD	33	20	41	12	26	3.9	0	-25
	ASTRAKHAN	36	21	40	17	28	4.4	0	-24
	ORENBURG	34	16	41	7	25	5.1	2	-26
S AFRI	JOHANNESBURG	20	7	25	-2	14	0.9	0	-8
	CAPE TOWN	18	8	27	4	13	0.4	64	-13
S KORE	SEOUL	30	23	34	20	26	0.7	198	-167
SAMOA	PAGO PAGO	29	25	31	23	27	0.1	199	39
SENEGA	DAKAR	31	26	34	23	28	0.7	500	343
SPAIN	VALLADOLID	32	15	40	10	23	1.3	0	-18
	MADRID	35	18	43	12	26	1.6	4	-9
	SEVILLE	37	21	45	17	29	0.4	0	******
SWITZE	GENEVA	24	14	32	9	19	-0.2	52	-26
SYRIA	DAMASCUS	39	20	43	15	30	2.6	0	0
TAHITI	PAPEETE	29	22	30	20	26	0.5	37	-17
TANZAN	DAR ES SALAA	31	20	32	17	25	1.2	11	-14
THAILA	PHITSANULOK	34	25	37	24	30	1.5	65	-169
	BANGKOK	34	27	38	24	30	1.8	276	62
TOGO	TABLIGBO	31	24	34	21	27	1.2	80	******
TRINID	PORT OF SPAI	32	24	34	22	28	0.8	296	45
TUNISI	TUNIS	37	25	48	21	31	2.7	0	-8
TURKEY	ISTANBUL	31	23	36	20	27	1.5	0	-21
	ANKARA	32	16	37	11	24	1.8	4	-11
TURKME	ASHKHABAD	38	24	43	20	31	3.6	0	-2
UKINGD	ABERDEEN	18	12	22	4	15	0.3	45	-14
	LONDON	22	13	25	10	18	-0.8	46	2
UKRAIN	KIEV	27	16	33	14	22	1.8	66	4
	LVOV	23	12	30	7	18	0.0	128	53
	KIROVOGRAD	28	15	33	10	21	0.7	76	34
	ODESSA	28	19	32	15	24	1.3	42	7
	KHARKOV	30	18	35	12	24	3.7	21	-18
UZBEKI	TASHKENT	36	21	40	16	29	2.4	0	-1
VENEZU	CARACAS	30	25	32	23	27	0.3	0	-72
YUGOSL	BELGRADE	29	19	40	12	24	1.3	38	-20
ZAMBIA	LUSAKA	***	***	33	9	***	*****	*****	******
ZIMBAB	KADOMA	***	***	30	***	***	*****	*****	******

Based on Preliminary Reports

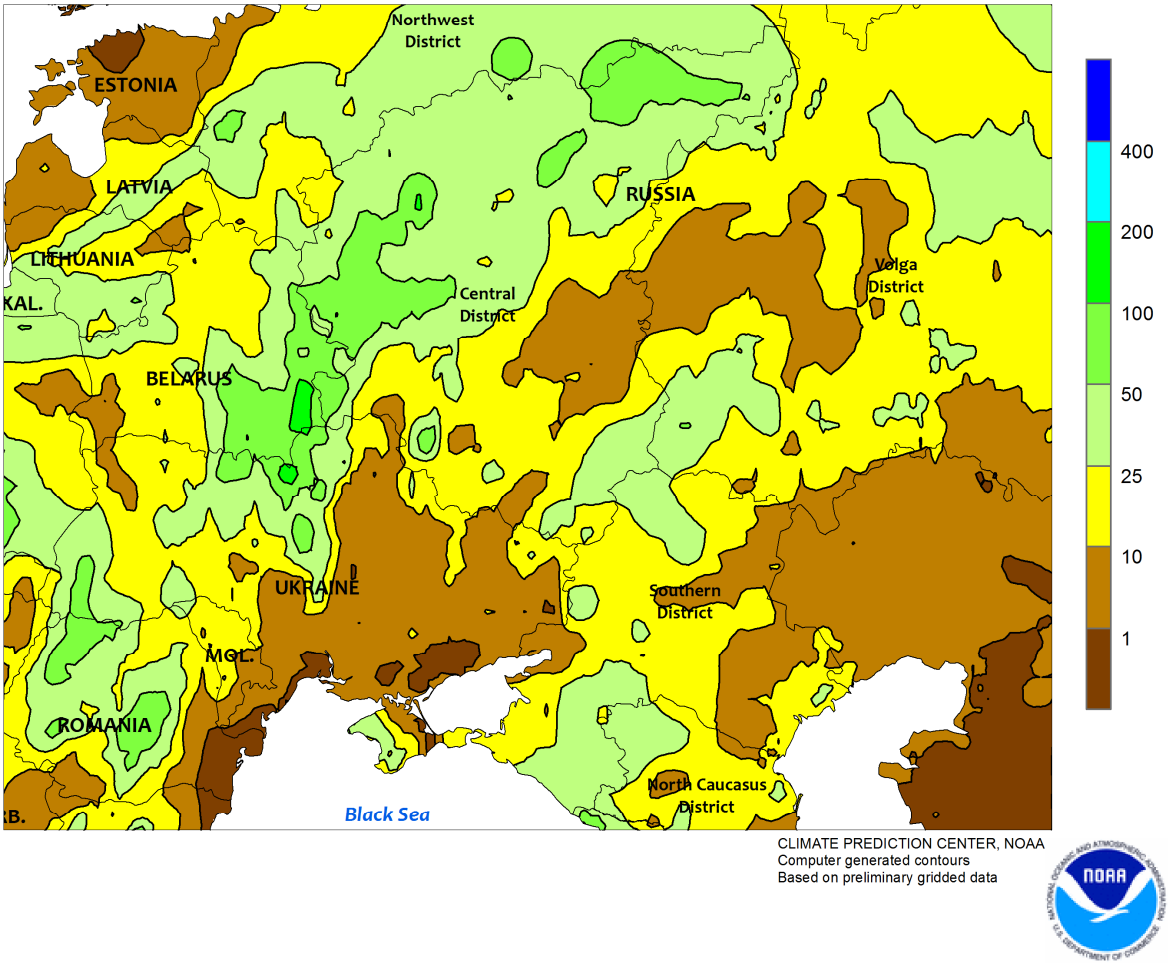


EUROPE

Cool, wet weather across central and eastern Europe contrasted with short-term dryness in France. A slow-moving storm system during the first half of the week produced widespread moderate to heavy rainfall (10-100 mm, locally more) from Germany eastward. The wet weather slowed or halted summer crop drydown and harvesting as well as winter crop sowing, though the rain eliminated lingering deficits in eastern Germany and northwestern Poland. An attendant cold front swept across the Balkans, triggering much-needed showers (5-75 mm) over the central and southern Danube River Valley for winter crop sowing. The storm system ushered chilly air across central and eastern Europe, with weekly temperatures averaging 1 to 4°C below normal in these same locales. Conversely, mostly dry weather prevailed over England, France, and Scandinavia, favoring spring grain, oilseed, and summer crop maturation as well as early winter crop sowing, though topsoil moisture has become limited in central and western France due to short-term dryness (30-day rainfall locally less than 25 percent of normal). Farther south, the first showers (5-25 mm) of the 2021-22 Water Year were noted on the Iberian Peninsula, though southern portions of Spain (Andalucía) remained dry. Light to moderate showers (1-25 mm) likewise improved topsoil moisture in northern Italy for winter grain planting following a drier-than-normal summer, while west-central Italy remained dry.

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

WESTERN FSU
Total Precipitation (mm)
August 29 - September 4, 2021



WESTERN FSU

Widespread rain prevailed over much of the region, but pockets of drier weather were noted in central Ukraine. A slow-moving storm system generated 10 to 80 mm of rainfall from Belarus and northern Ukraine into western and southwestern Russia, boosting soil moisture for later-developing summer crops in the north and west while further improving prospects for winter wheat establishment in previously dry western Russia. However, the wet conditions slowed or halted summer crop drydown and harvesting, although drier conditions returned by week's end. Despite the widespread moderate to heavy rain, lighter showers (2-10 mm) in central and southern Ukraine allowed summer crop drydown and harvesting to proceed with only minor disruptions. Temperatures averaged 1 to 3°C above normal over central and southern growing areas, while readings up to 3°C below normal were noted in western growing areas.

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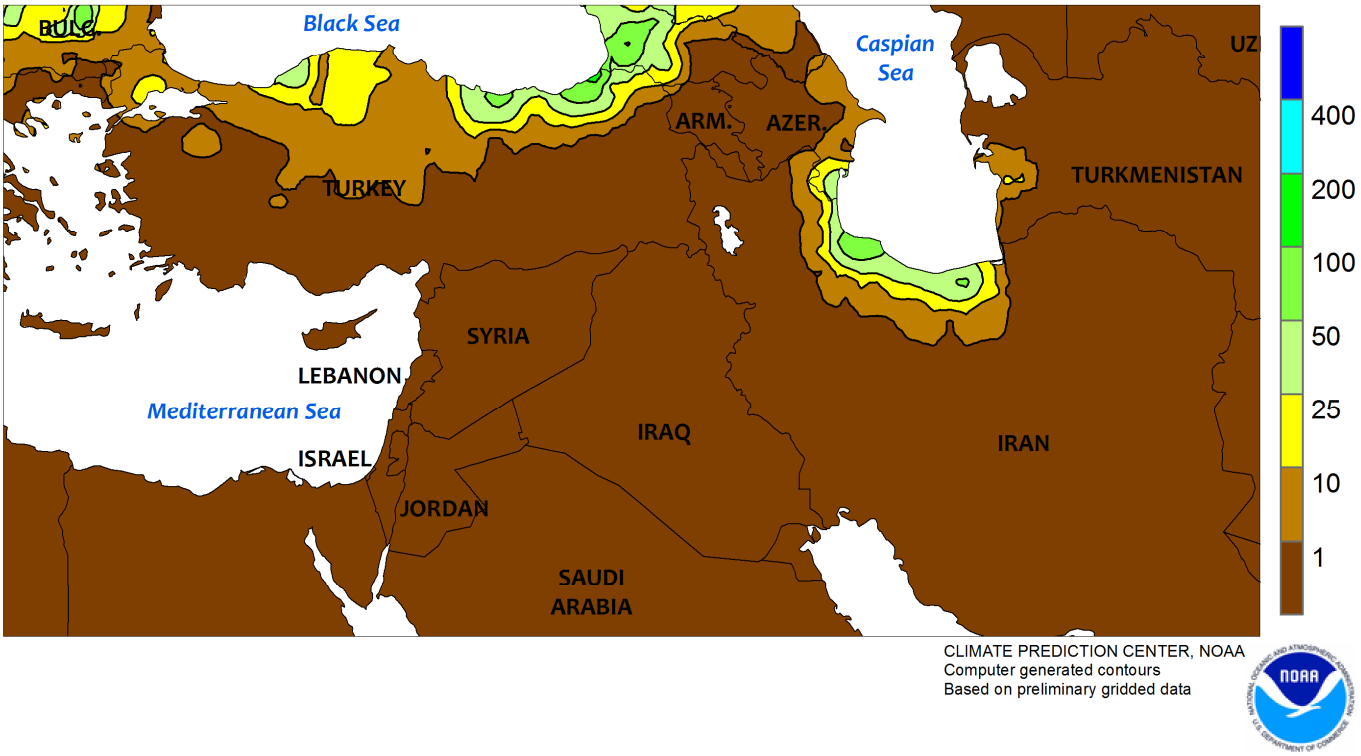
MIDDLE EAST
Total Precipitation (mm)
August 29 - September 4, 2021



MIDDLE EAST

Rain in northern Turkey contrasted with seasonably dry, warm weather elsewhere. Moderate to heavy showers (5-50 mm, locally more) were reported along Turkey's Black Sea Coast, hampering summer crop harvesting locally. However, most of Turkey's primary summer crop areas in the west, south, and southeast were dry, facilitating cotton, corn, and sunflower harvesting. The region remained in the seasonal lull between the summer crop growing season and the sowing of winter grains, the latter of which gains momentum during October with the onset of cool-season rains.

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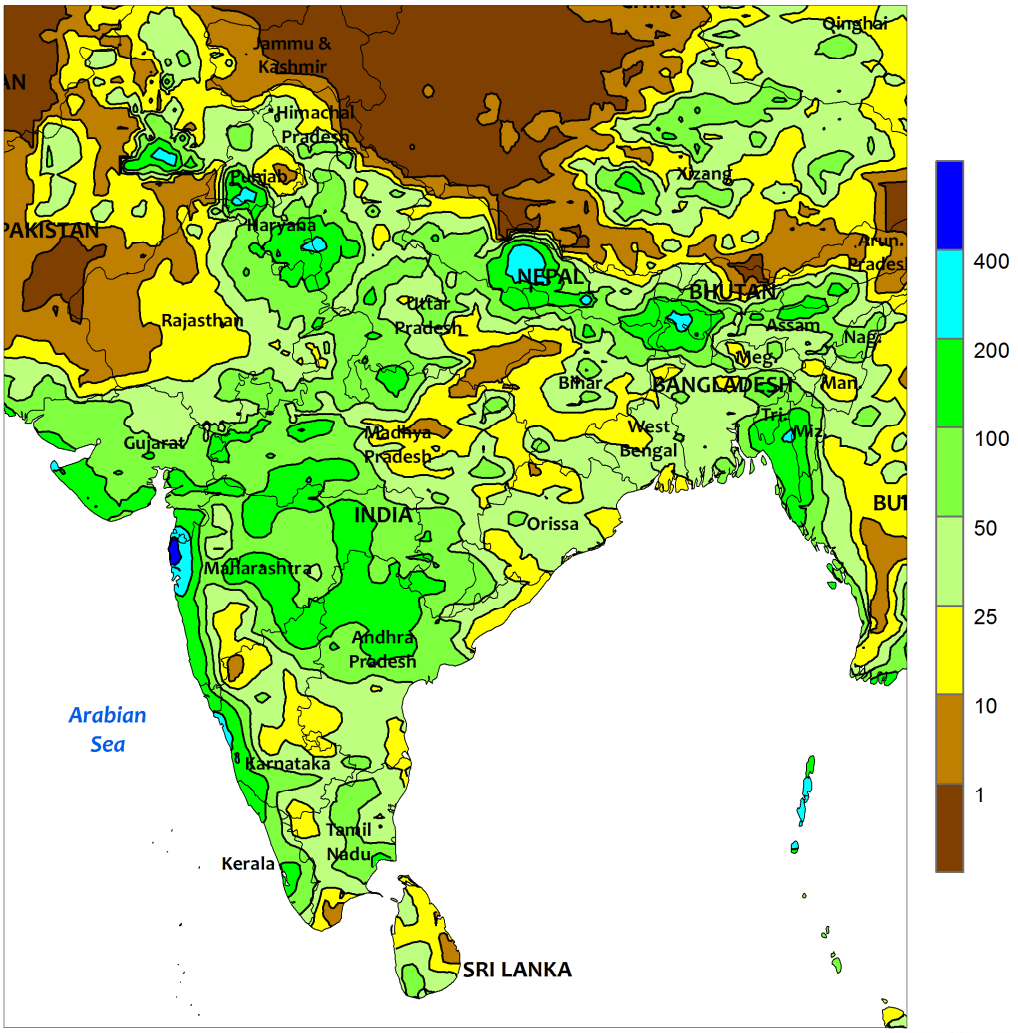
SOUTH ASIA
Total Precipitation (mm)
August 29 - September 4, 2021



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

SOUTH ASIA

Rainfall (as much as 250 mm) surged into western India, easing season-long dryness for cotton and oilseeds, particularly in Gujarat. However, even with the recent rainfall, more rain is needed to fully eradicate moisture deficits for crops progressing through reproduction. Meanwhile, showers (50-200 mm) in central and southern growing areas maintained near- to above-normal soil moisture for kharif crops. Elsewhere, showers were sparse in eastern rice areas, where moisture supplies have been adequate in some locales but sub-par in others. In other parts of the region, late-season downpours (25-50 mm) in Pakistan were untimely for maturing cotton, but yield prospects remained favorable following plentiful irrigation and near-ideal weather during the season. The southwest monsoon typically begins withdrawing in September, with a complete withdrawal by mid-October.

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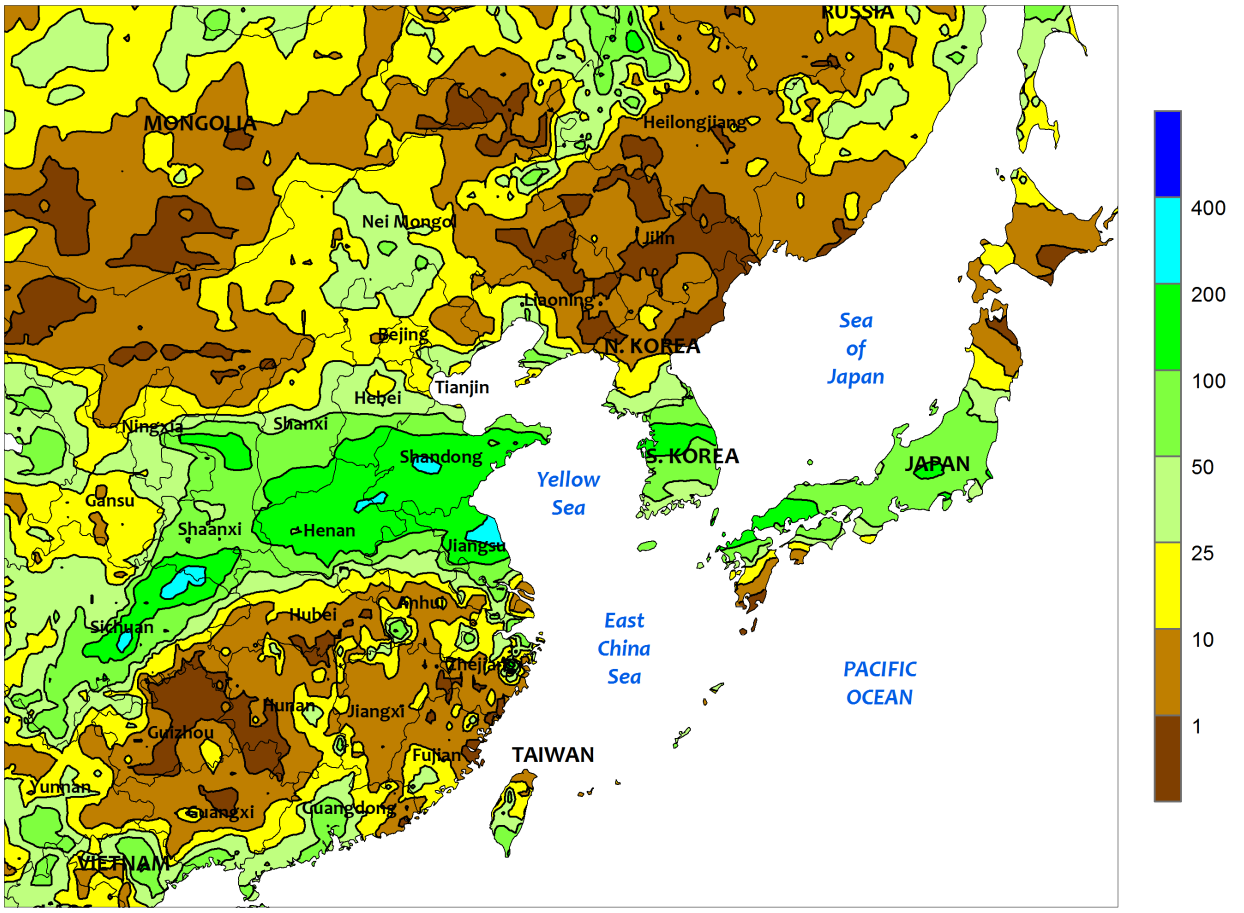
EASTERN ASIA
Total Precipitation (mm)
August 29 - September 4, 2021



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

EASTERN ASIA

Daily showers produced a ribbon of 50 to 250 mm of rain across east-central China and l0 to 50 mm along the periphery. The wet weather benefited immature summer crops and improved moisture reserves for wheat sowing that will begin in October. Additionally, the band of precipitation extended into South Korea and southern Japan, aiding immature rice and other summer crops there as well. Elsewhere, sunny, warm weather prevailed in northeastern and southern China, promoting summer crop development and maintaining crop conditions in the northeast that are better than last year. Meanwhile, in western China, dry, warm conditions favored open cotton bolls as well as early pickings in southern prefectures of Xinjiang.

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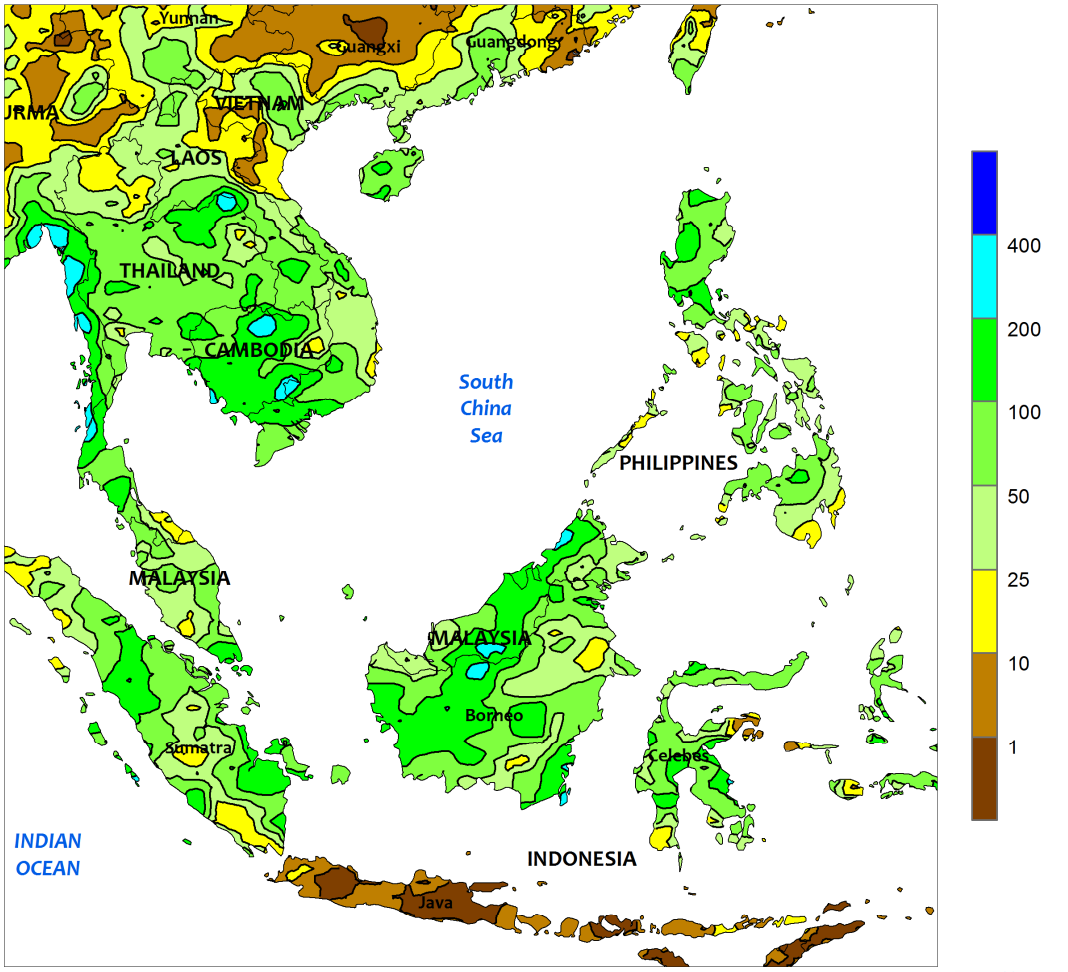
SOUTHEAST ASIA
Total Precipitation (mm)
August 29 - September 4, 2021



SOUTHEAST ASIA

An active monsoon circulation brought widespread rainfall to the region. Thailand and the surrounding areas recorded 25 to 100 mm of rain (locally more along the traditionally wetter coastal reaches), maintaining or improving moisture supplies for rice and other crops. September is typically the wettest month of the year in the aforementioned areas and rainfall during the month is critical for yield prospects as well as bolstering irrigation supplies for the dry season. Meanwhile, similar rainfall amounts were reported in the Philippines, helping to ease short-term dryness in major rice- and corn-producing districts. Elsewhere, showery weather (25-100 mm or more) in oil palm areas of Malaysia and Indonesia maintained adequate soil moisture for trees.

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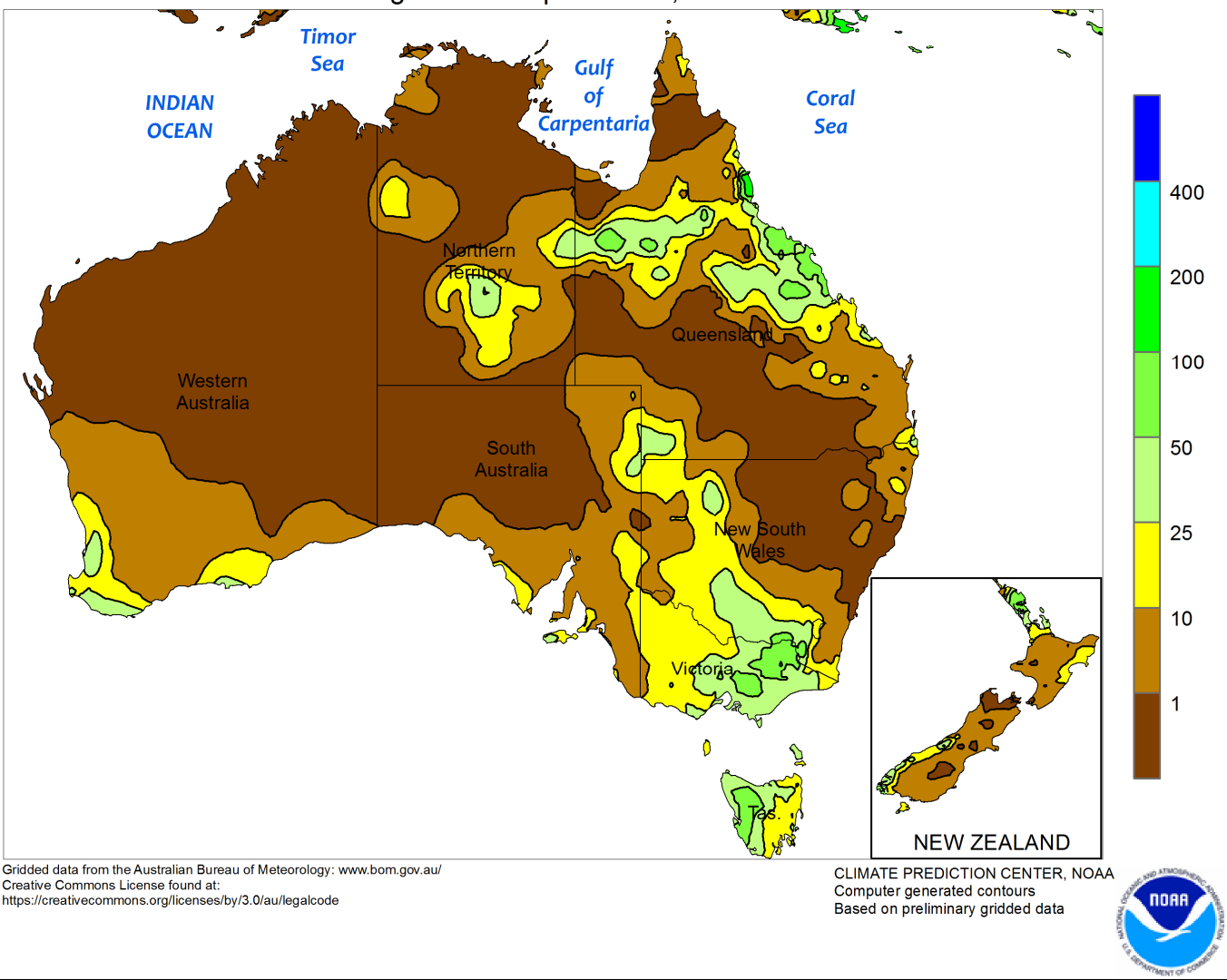

AUSTRALIA

In Western Australia, scattered showers (5-15 mm) and seasonably warm weather favored vegetative to reproductive winter crops, helping to maintain good to excellent yield prospects. Farther east, widespread showers (10-25 mm) in South Australia, Victoria, and southern New South Wales benefited wheat, barley, and canola, while unseasonably warm weather accelerated crop development somewhat. Temperatures averaged 2 to 4ºC above normal, with maximum temperatures ranging from the middle 20s to lower 30s (degrees C) locally. Elsewhere in the wheat belt, warm, sunny weather in northern New South Wales and southern Queensland promoted wheat and other winter crop development. The dry weather enabled early summer crop planting as well, the pace and extent of which typically increases through September and into October each year. Temperatures averaged about 2ºC above normal in the northeast, with maximum temperatures generally in the middle to upper 20s.

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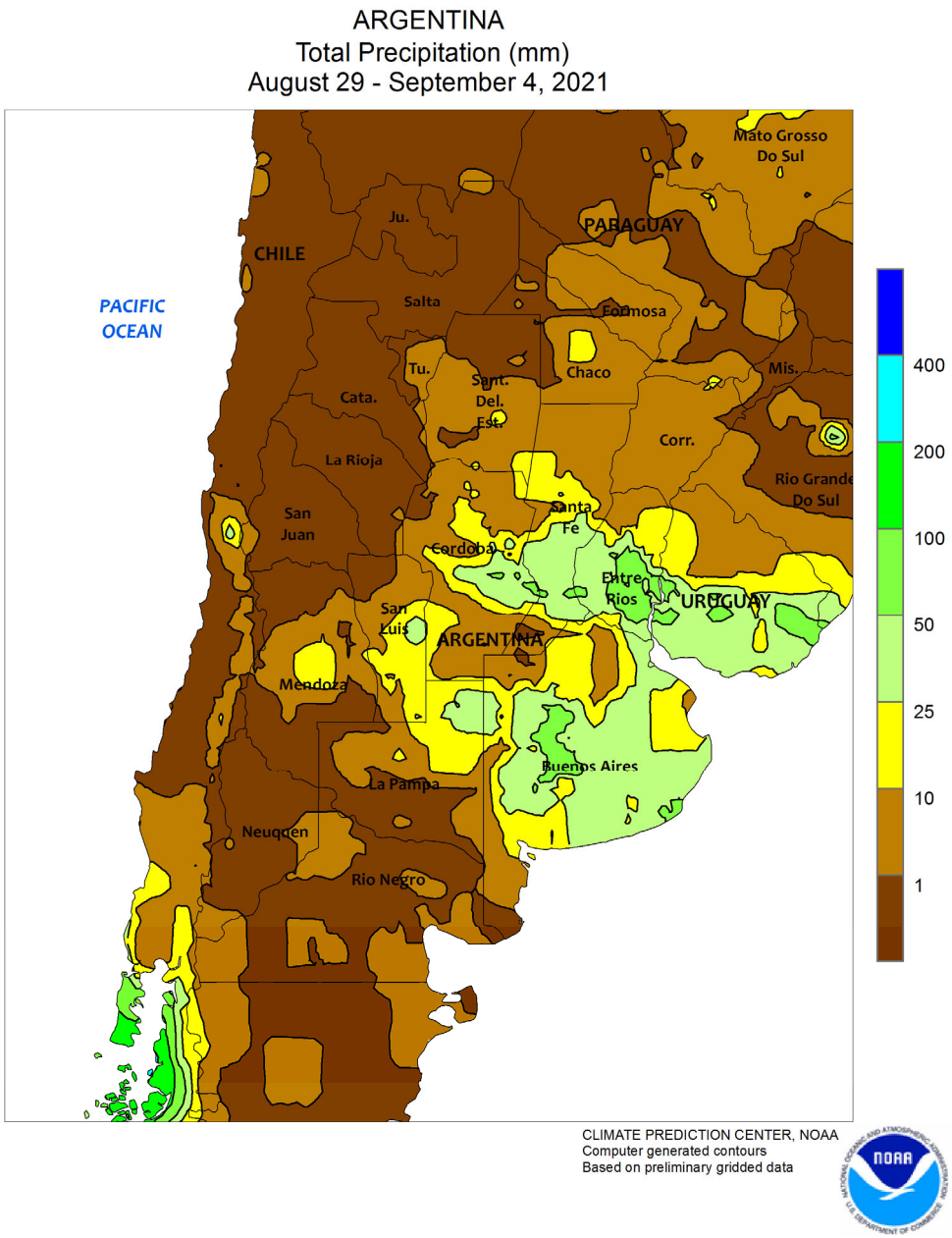

ARGENTINA

Showers provided timely moisture for vegetative winter grains in key production areas of central Argentina. Rainfall totaled 10 to 50 mm in most farming areas of La Pampa and Buenos Aires and reached northward into neighboring states (southern and eastern Cordoba eastward through Uruguay). Lighter rain (2-10 mm, locally more) fell in northern farming areas (Santiago del Estero eastward) as winter grains were entering reproduction. Weekly temperatures averaging 3 to 6°C above normal – and the lack of a widespread freeze - hastened crop development while increasing moisture demands of both winter grains and early-sown summer crops. According to the government of Argentina, sunflowers were 11 percent planted as of September 2, equal to last year's pace; however, most fieldwork had occurred in northern farming areas and moisture is needed for uniform germination of early planted summer crops as well as for flowering winter grains.

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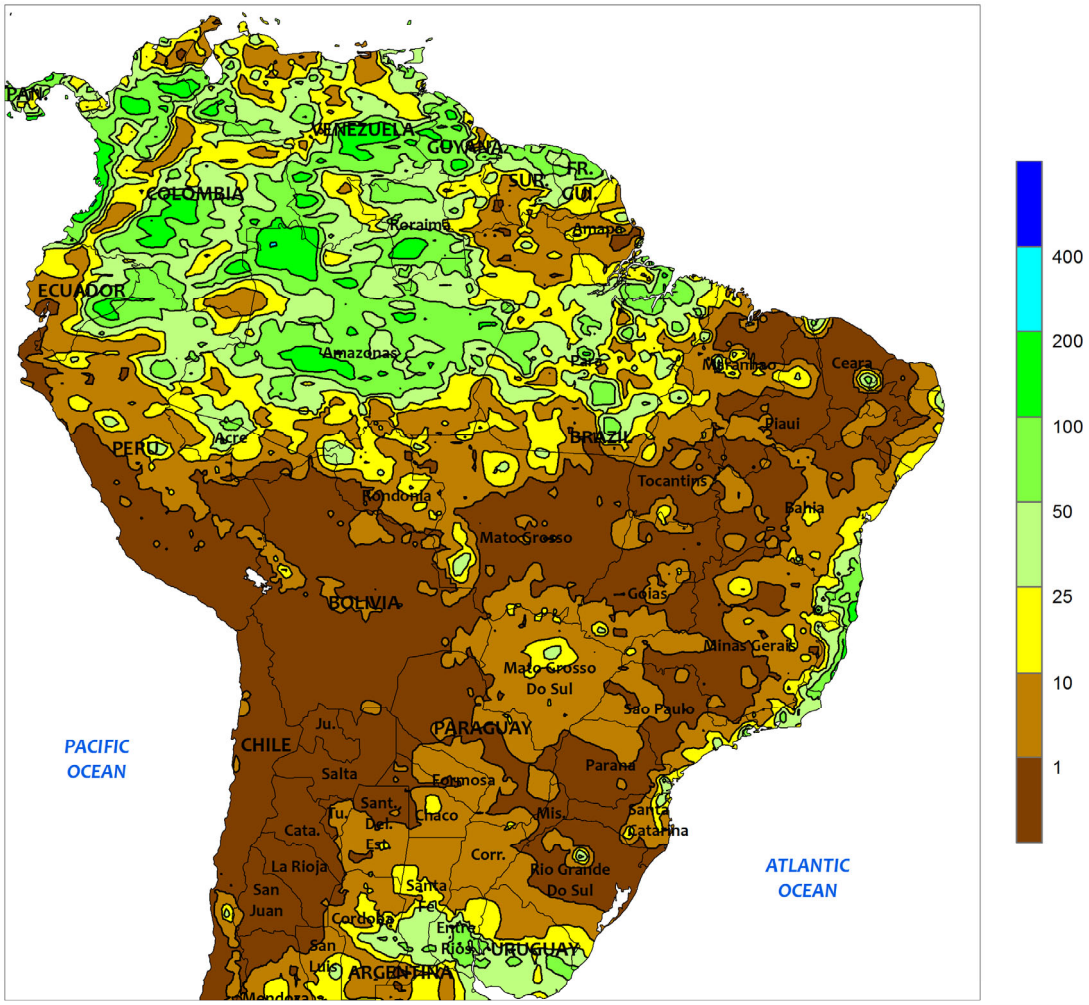
BRAZIL
Total Precipitation (mm)
August 29 - September 4, 2021



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

BRAZIL

Dry weather continued to dominate most major farming areas. In southern Brazil, the dryness (only isolated locations recording more than 5 mm) was unseasonable and, in combination with unseasonable warmth (highest daytime temperatures ranging from the middle 20s to middle 30s degrees C), reduced available moisture for wheat. According to the government of Parana, 82 percent of Parana's wheat reached flowering as of August 30, with 8 percent now maturing; 82 percent of second-crop corn was harvested. In Rio Grande do Sul, 35 percent of the wheat crop reportedly reached flowering as of September 2. Meanwhile, producers farther north awaited the arrival of seasonal rainfall for the upcoming soybean crop. According to the government of Mato Grosso, cotton was 90 percent harvested as of September 3.

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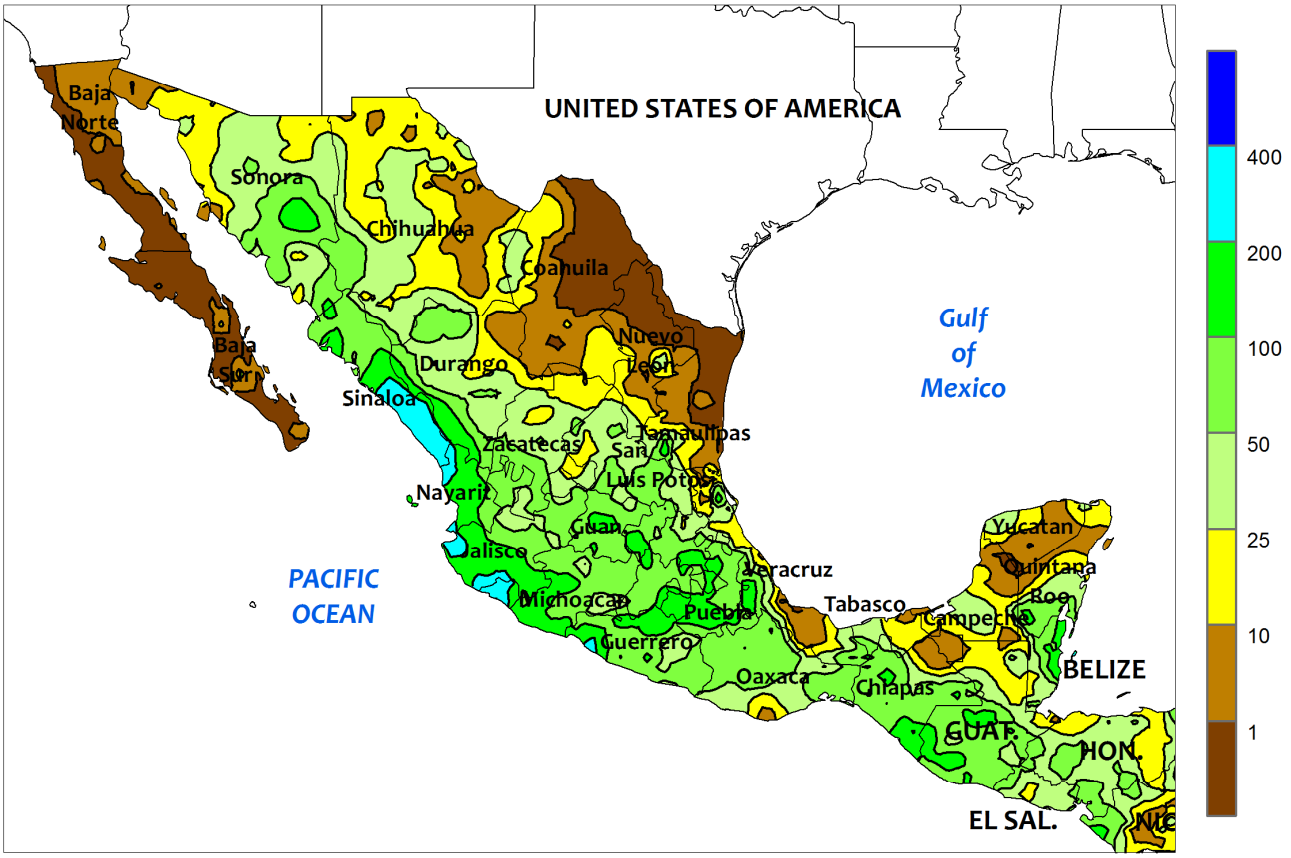
MEXICO
Total Precipitation (mm)
August 29 - September 4, 2021



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

MEXICO

Hurricane Nora brought heavy rain and localized flooding to western farming areas during its westward trek along the western coast. Nora made first landfall on August 28 in western Jalisco with sustained winds of about 74 knots; the storm closely followed the coast as it moved northward and slowly dissipated. As a result, very heavy rain (100-200 mm, locally more) fell in coastal areas from western Jalisco to central Sinaloa, with lesser amounts farther inland, with many northwestern watersheds receiving greater than 50 mm. Moderate to heavy rain (50-100 mm, locally approaching 200 mm) also fell across much of the southern plateau, increasing moisture for both late summer crop development and reservoir recharge. In contrast, mostly dry weather prevailed in the northeast (eastern Chihuahua to Tamaulipas), where summer heat (daytime highs approaching 40°C) maintained high water requirements for livestock. Meanwhile, showers were widely scattered and generally light (rainfall mostly totaling below 25 mm) in large portions of Veracruz, Tabasco, and Campeche, while heavier rain (50-100 mm) fell along the southern Pacific Coast (Michoacán to Chiapas).

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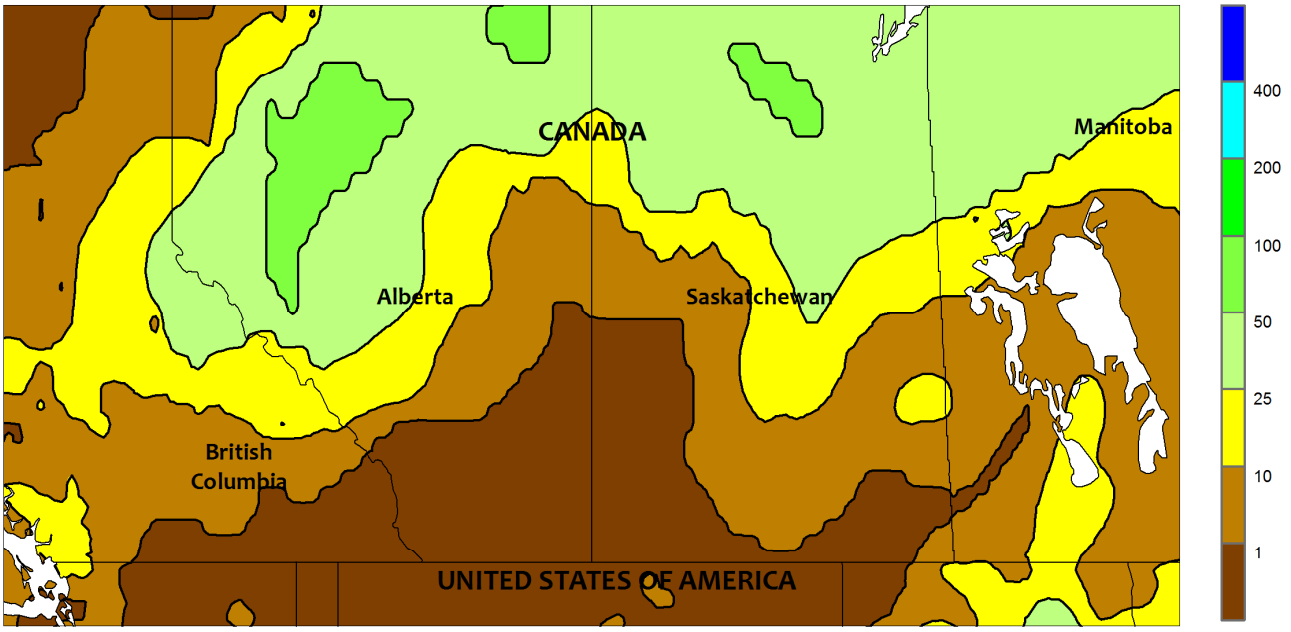
CANADIAN PRAIRIES
Total Precipitation (mm)
August 29 - September 4, 2021



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

CANADIAN PRAIRIES

Showers tapered off from recent weeks in most agricultural districts, allowing a resumption in harvesting after earlier delays from wetness. Aside from a few pockets of unseasonably heavy rain (greater than 25 mm), rainfall totaled below 10 mm over most of Alberta, Saskatchewan, and Manitoba. Near- to slightly above-normal temperatures accompanied the drier conditions, with a few southern locations recording highs reaching 30°C; freezes were generally confined to Alberta's traditionally cooler locations, including the Peace River Valley. According to provincial reports released during the final days of August, harvesting of all crops reached 26 percent in Alberta; 26 percent in Saskatchewan; and 35 percent in Manitoba.

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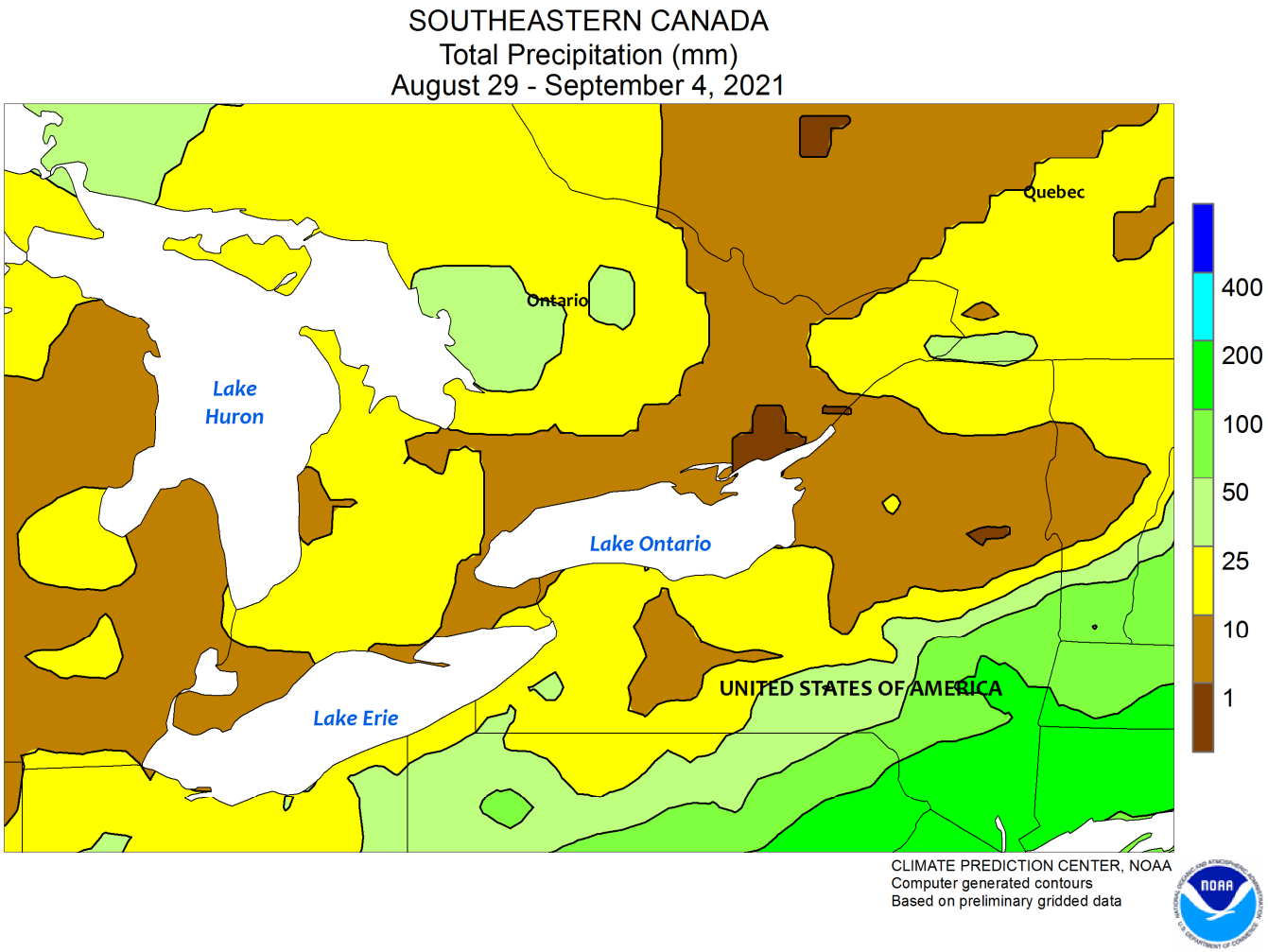

SOUTHEASTERN CANADA

Warm, mostly dry weather favored maturing summer crops, but additional moisture would have been welcome for winter wheat germination in some of the drier agricultural districts. Weekly average temperature ranged from near normal to as much as 2°C above, with daytime highs reaching the lower 30s (degrees C) in Ontario's southwestern farming areas. Nighttime lows stayed well above freezing. Rainfall was variable but generally below normal, with amounts mostly ranging from 5 to 25 mm. The optimal period for planting wheat ranges from mid-August in far northern agricultural districts to mid-October in far southwestern Ontario, and many districts require moisture soon for uniform germination and proper establishment before the arrival of winter conditions.

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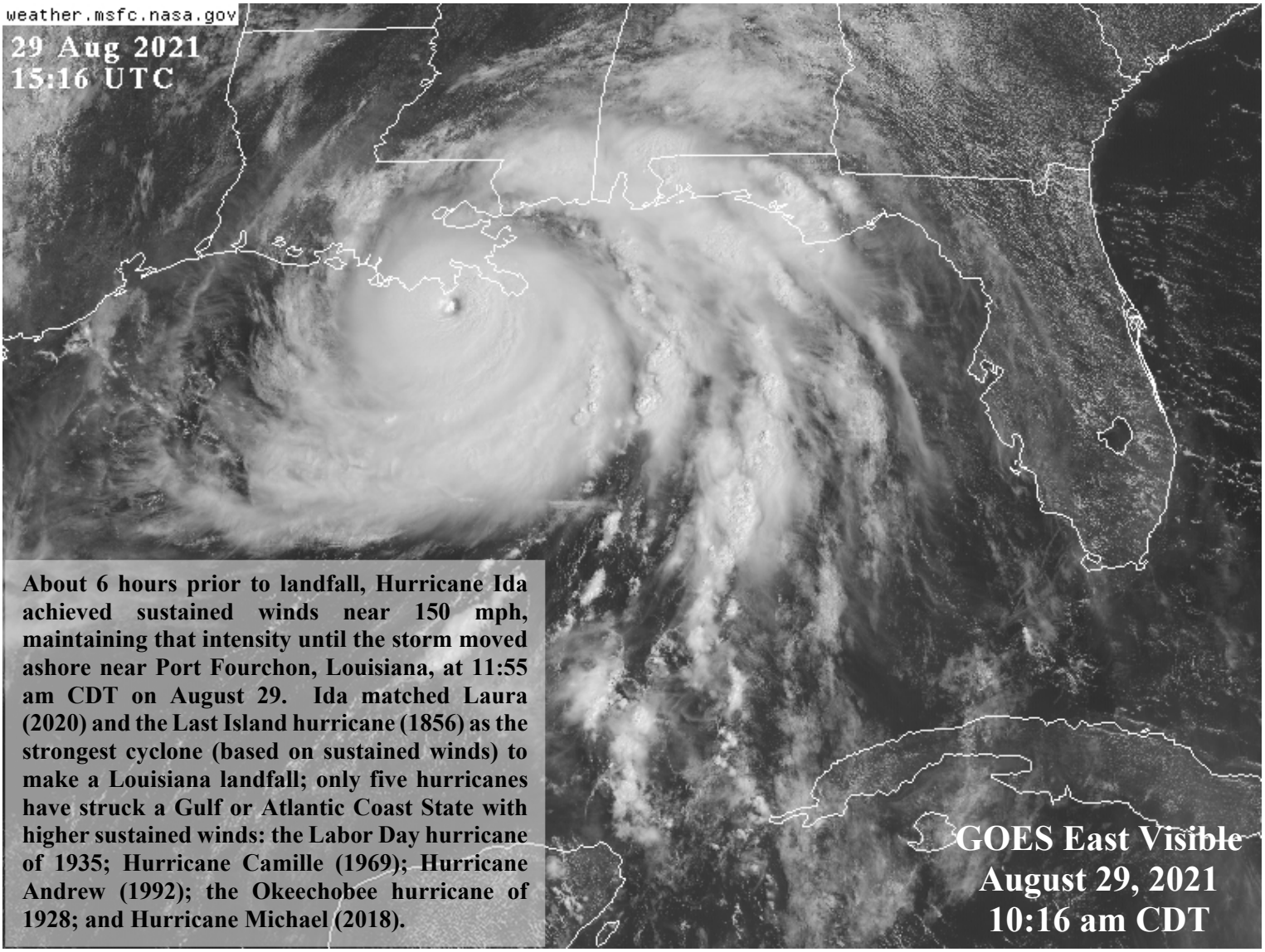

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Correspondence to the meteorologists should be directed to:
***Weekly Weather and Crop Bulletin*, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 4443B, Washington, DC 20250.**
Internet URL: **www.usda.gov/oce/weather-drought-monitor**
E-mail address: ***brad.rippey@usda.gov***

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