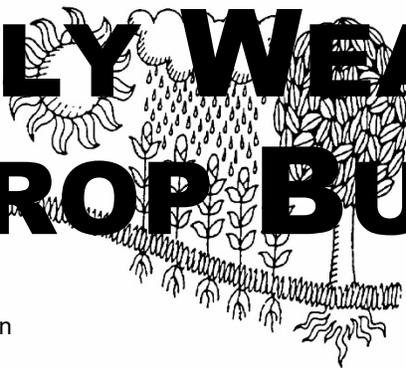
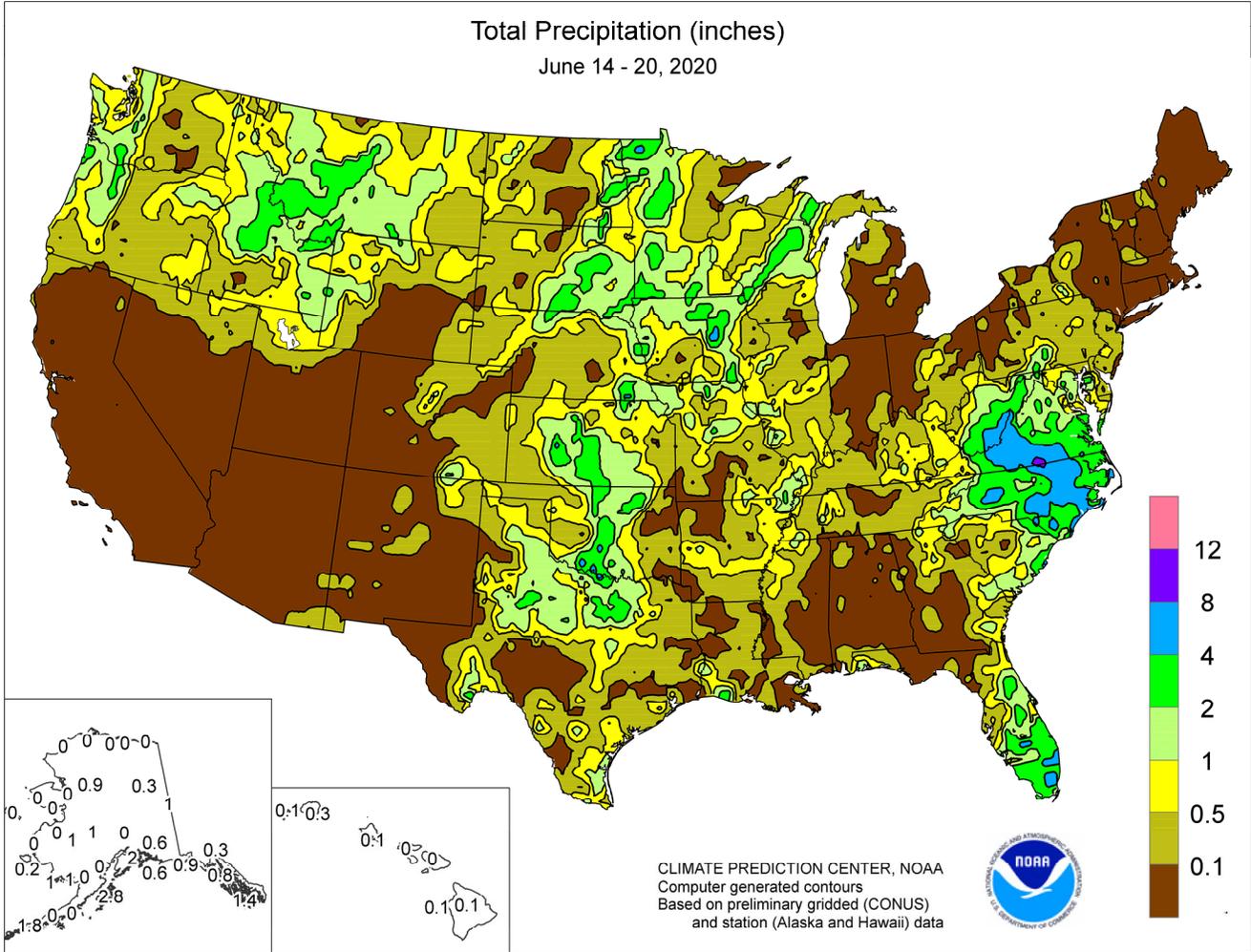


WEEKLY WEATHER AND CROP BULLETIN



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

June 14 – 20, 2020

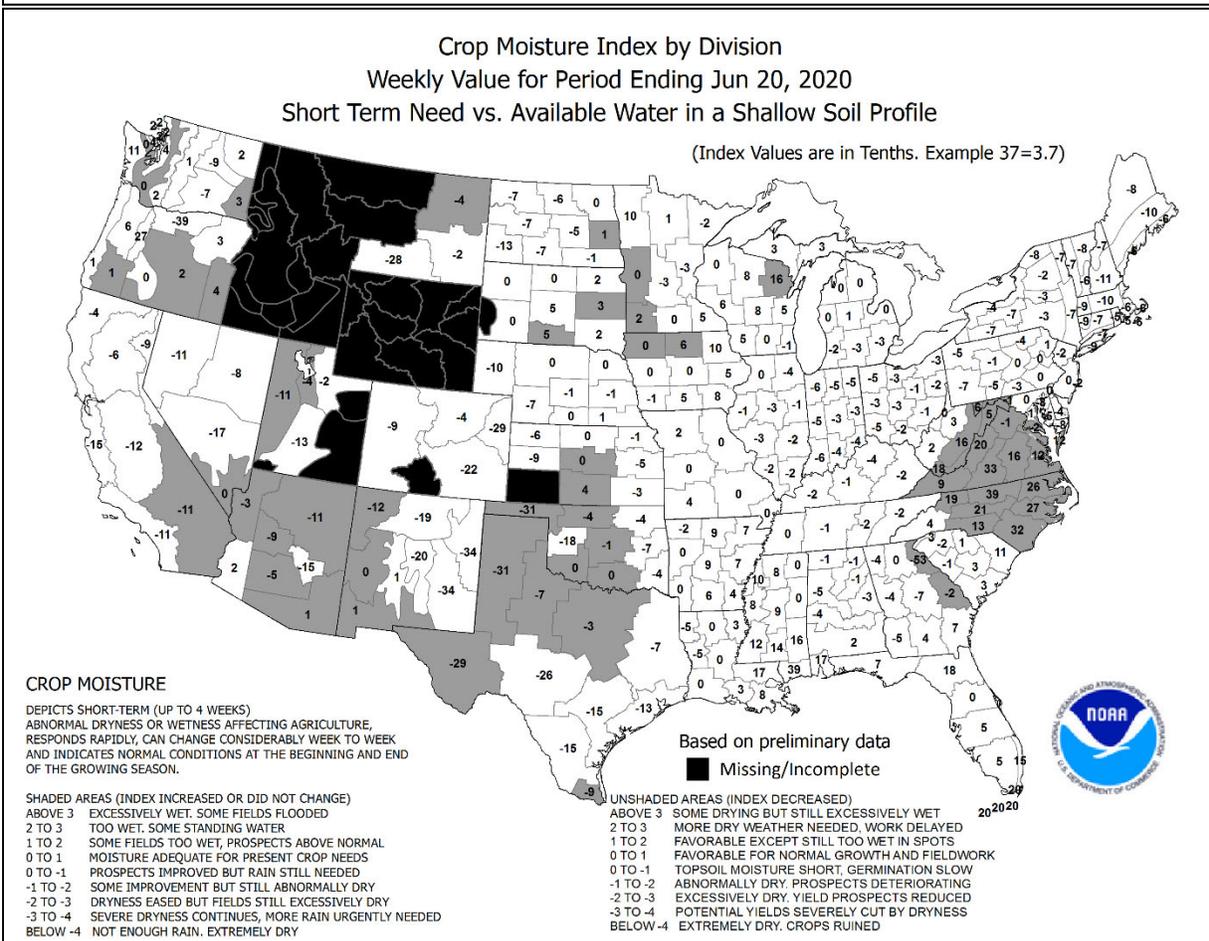
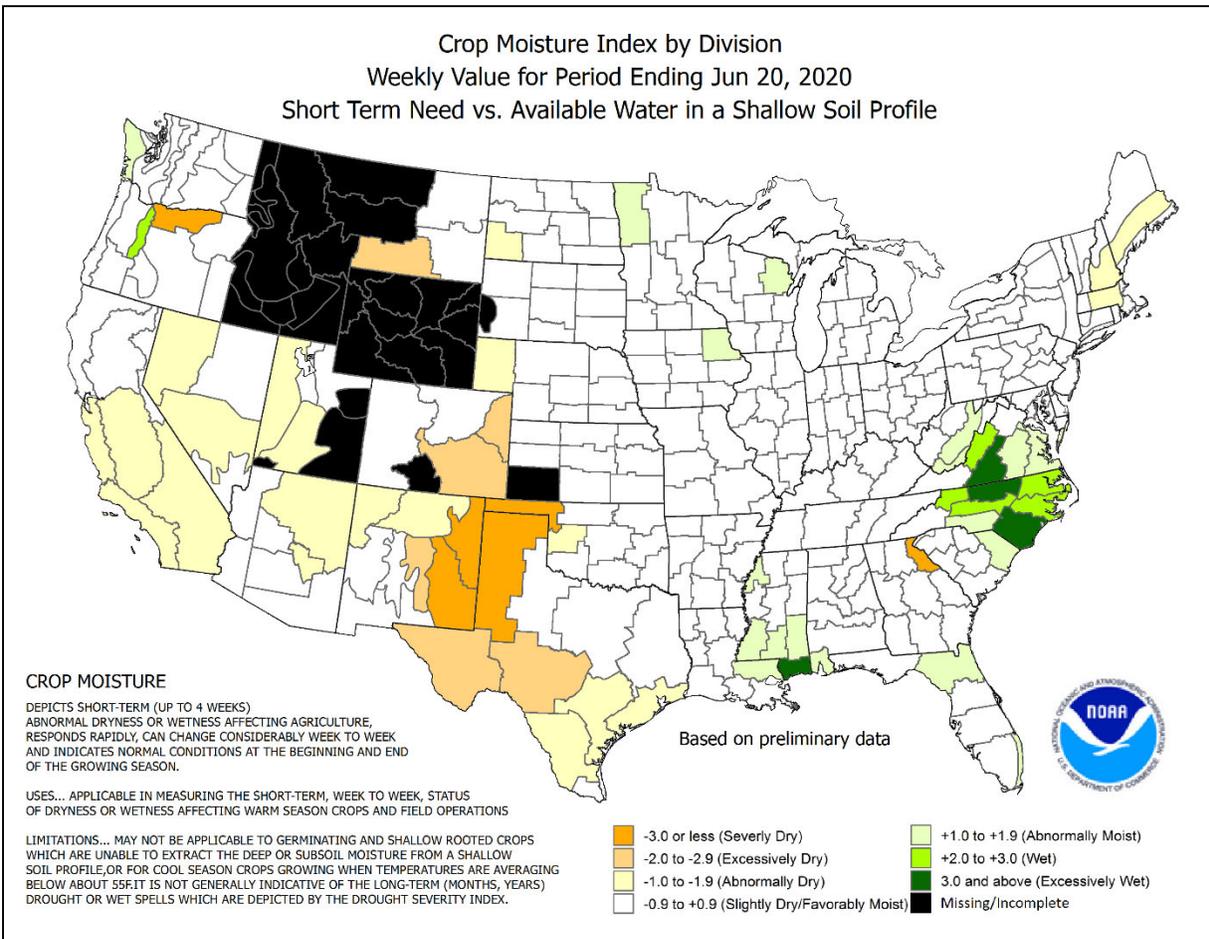
Highlights provided by USDA/WAOB

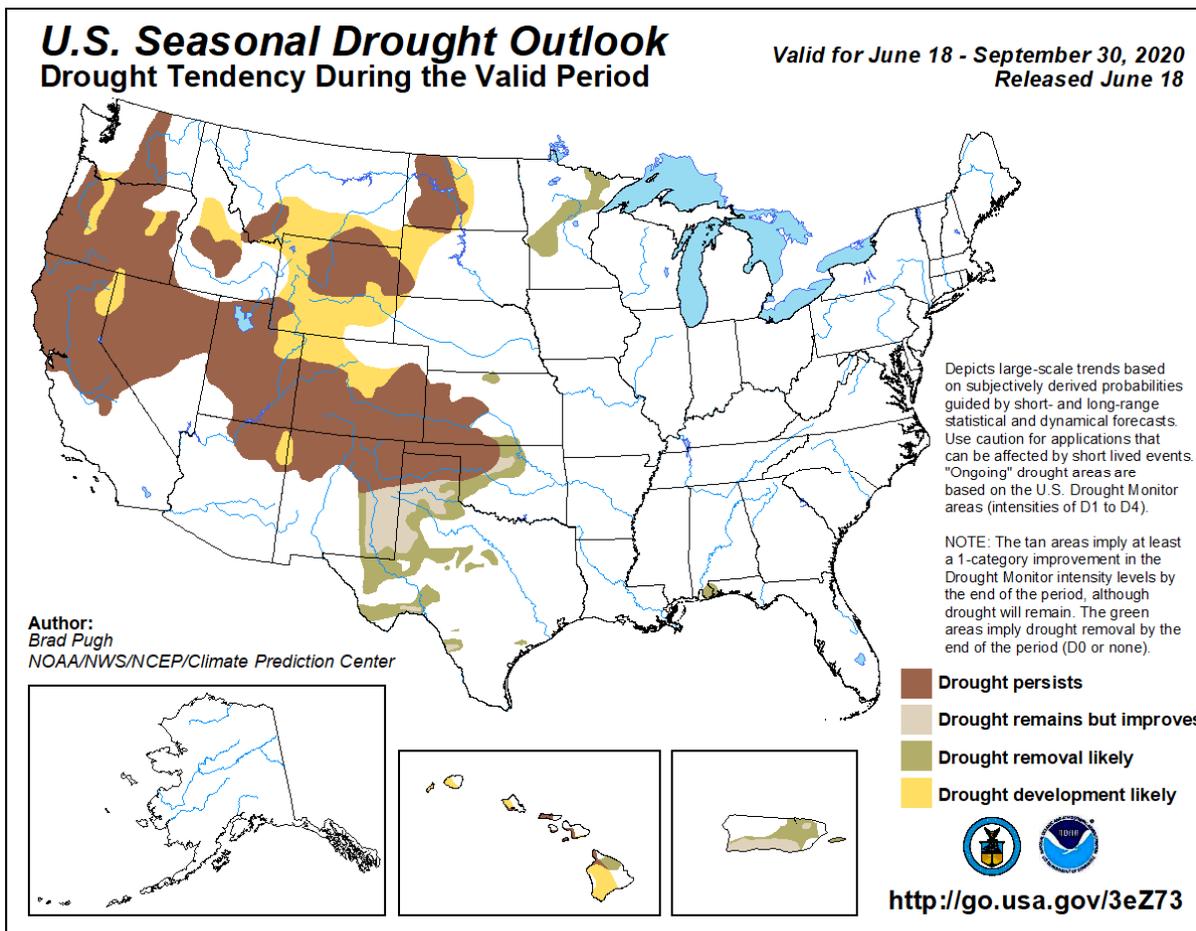
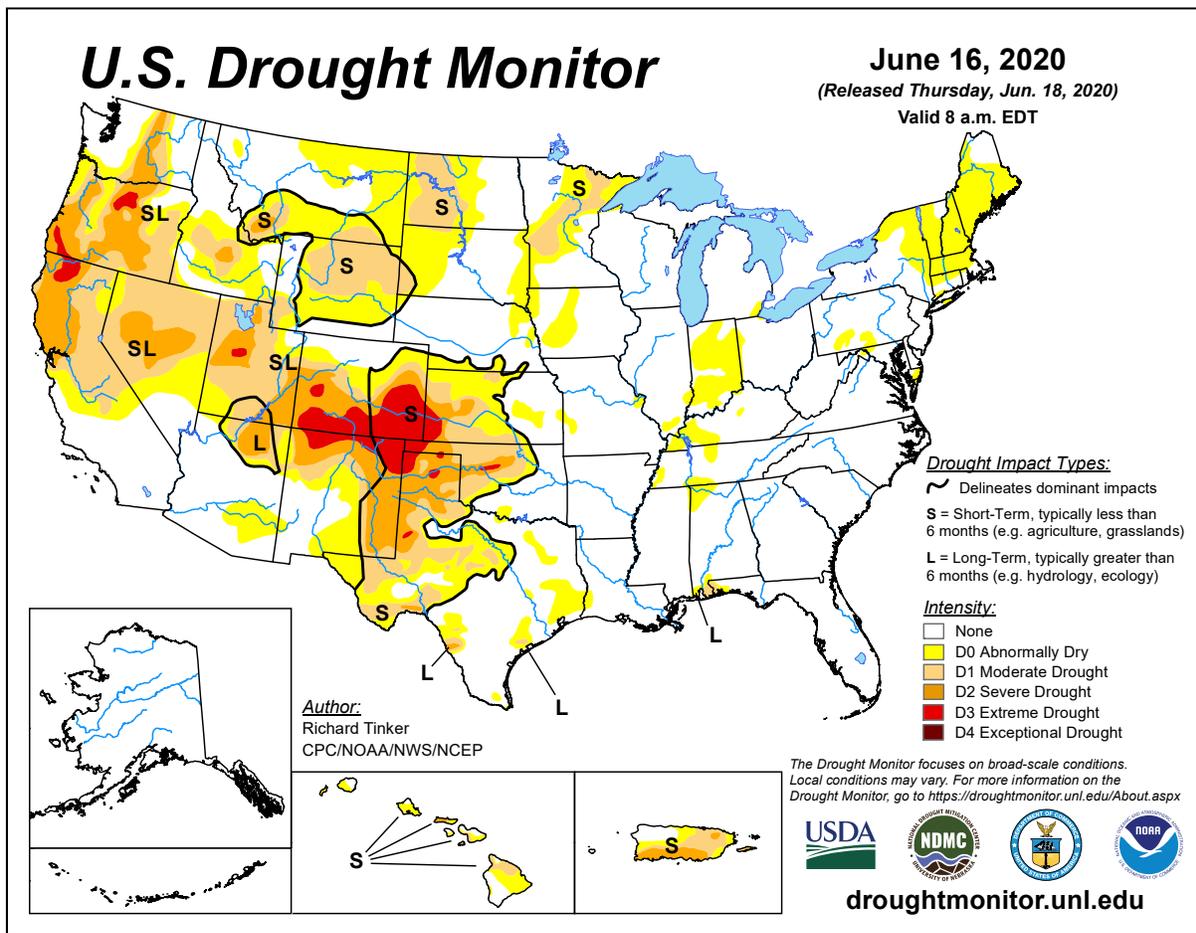
Across the **nation's mid-section**, a period of hot weather was followed by an increase in rainfall. Although rain disrupted winter wheat harvesting on the **central and southern Plains**, most rangeland, pastures, and summer crops greatly benefited from the boost in topsoil moisture. Meanwhile, separate disturbances produced unusually heavy precipitation in the **mid-Atlantic** and **Northwest**, respectively. Rain was especially heavy (locally in excess of 4 inches) in parts of **Virginia** and **North Carolina**, while late-season snow blanketed higher elevations in the

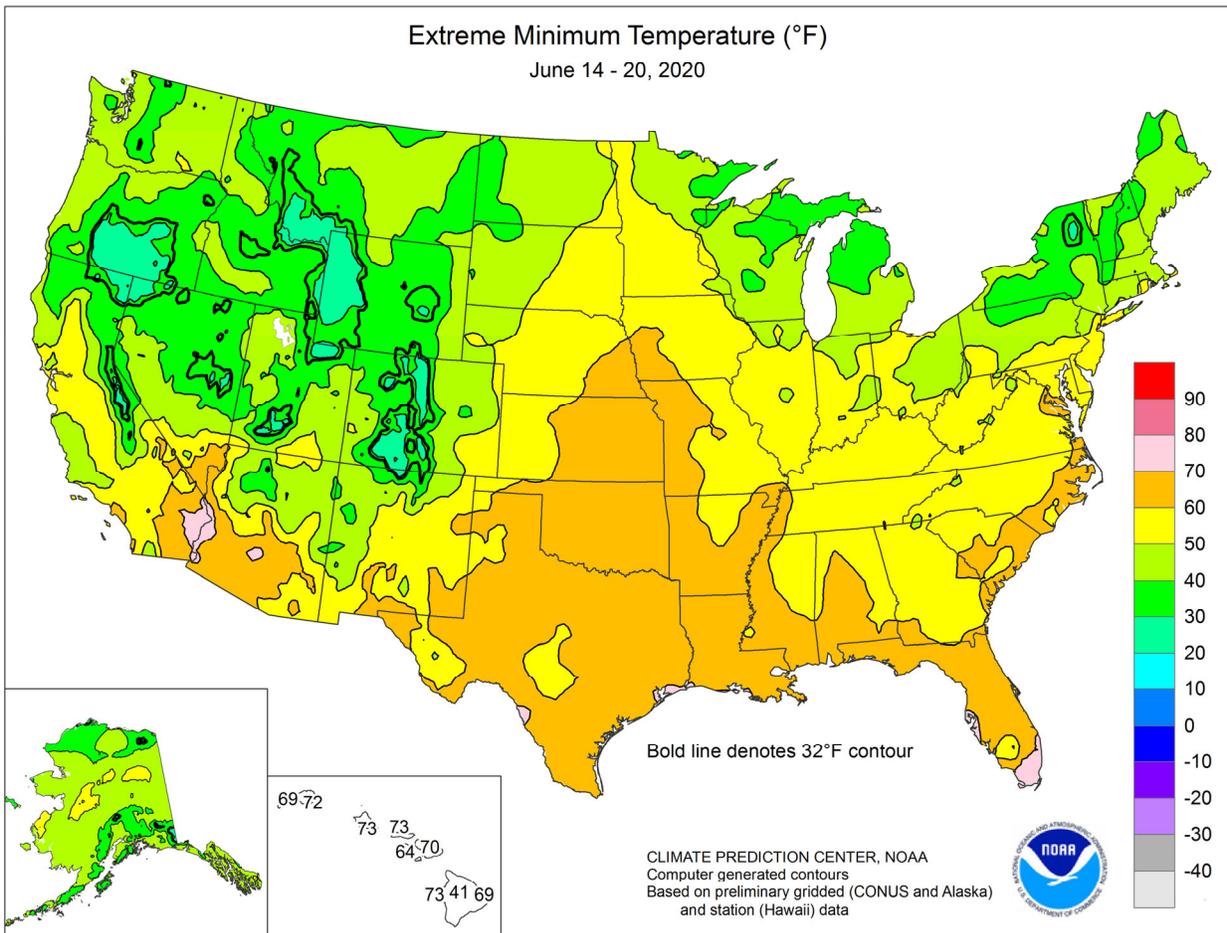
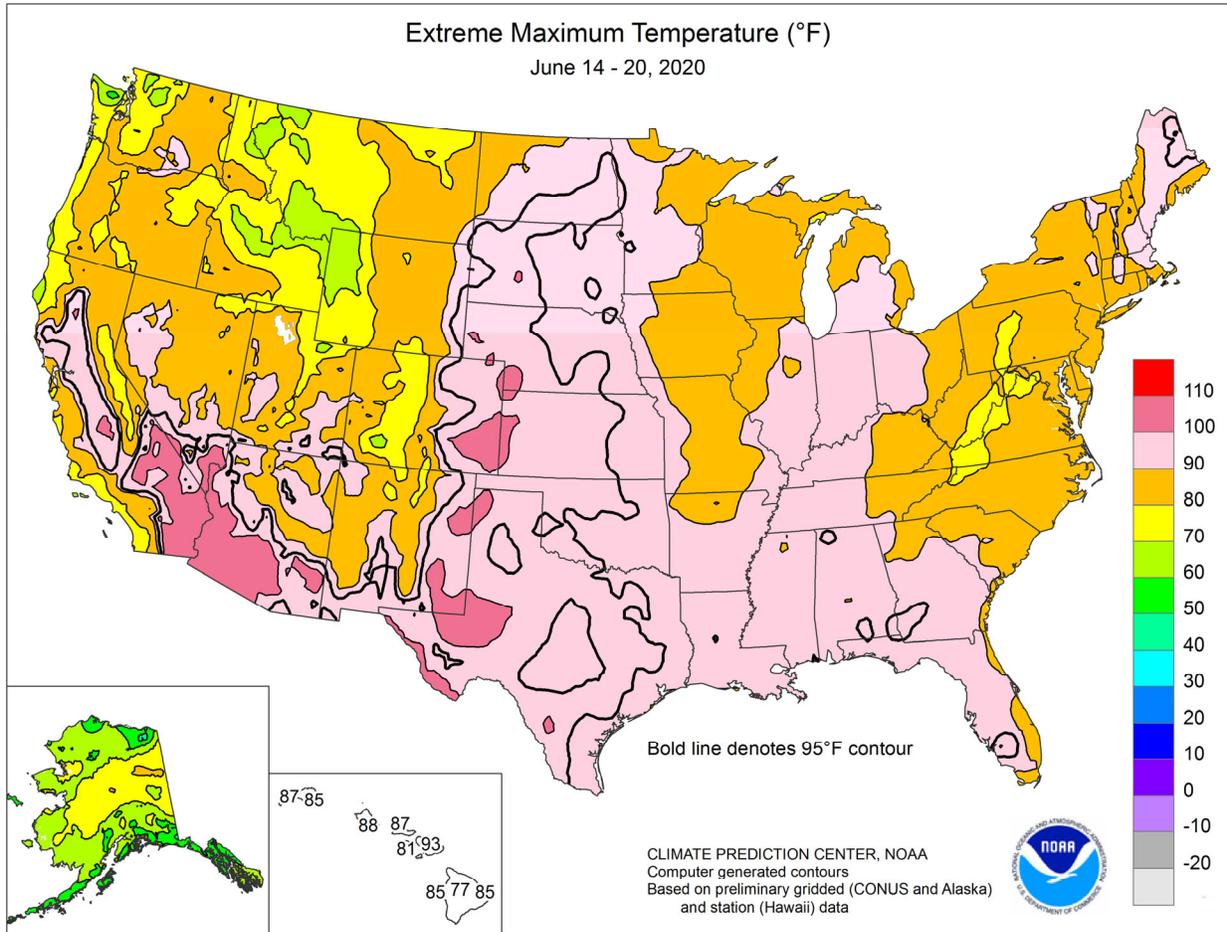
(Continued on page 5)

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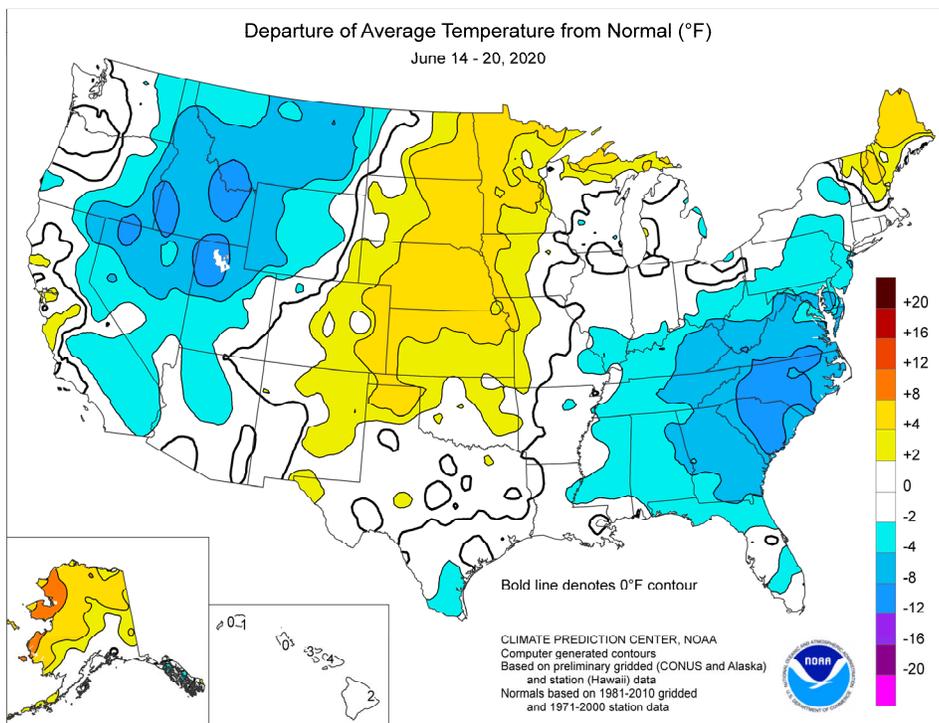


(Continued from front cover)

northern Rockies. In contrast, mostly dry weather dominated the **eastern Corn Belt**, the **Northeast**, and an area stretching from **California into the Southwest**. Parts of the **South** also experienced little or no rainfall. Heat across the **nation's mid-section** boosted weekly temperatures as much as 5 to 10°F above normal, especially from the **central Plains into the upper Midwest**. Unusual warmth also covered **northern New England**. Near- or below-normal temperatures prevailed across the remainder of the country. Some of the coolest weather, relative to normal, stretched from the **northern Great Basin to the northern Rockies**, where temperatures averaged 5 to 10°F below normal. Readings also averaged at least 5 to 10°F below normal from **Georgia to Virginia**.

Cool weather lingered through mid-June in the **Northeast**, where daily-record lows in **New York** for June 14 dipped to 35°F in **Watertown**, 37°F in **Glens Falls**, and 39°F in **Binghamton**. The only later spring reading below the 40-degree mark in **Binghamton** occurred on June 15, 1958, with a low of 39°F. Meanwhile in **Michigan**, record-setting lows for June 15 included 31°F in **Pellston** and 35°F in **Gaylord**. Later, heat arrived across the **Great Plains**. In **Nebraska**, daily-record highs for June 16 soared to 101°F in **Scottsbluff** and 100°F in **Sidney**. **Burlington, CO**, collected a daily record-tying high (100°F) for June 17. Heat extended across the **upper Midwest**, where **Grand Forks, ND**, registered a daily-record high of 97°F on June 16. From June 18-20, a rare heatwave affected **Maine**, where **Caribou** (95, 96, and 93°F) and **Houlton** (93, 95, and 94°F) tallied a trio of daily-record highs. **Caribou's** high of 96°F on the 19th tied all-time records previously set on June 29, 1944, and May 22, 1977. Farther south, however, June 17 featured daily-record lows in **Georgia** locations such as **Athens** (53°F) and **Macon** (56°F). Cool air also arrived in the **West**, where daily-record lows for June 18 fell to 31°F in **Casper, WY**, and 36°F in **Logan, UT**. The following day, **Miles City, MT** (41°F), notched a daily-record low for June 19.

A non-tropical, low-pressure system moved inland across **North Carolina**, generating heavy showers across a multi-day period. In **Fayetteville, NC**, more than half (3.46 inches) of the 6.62-inch weekly total fell on June 15. Elsewhere in **North Carolina**, **Cape Hatteras** received

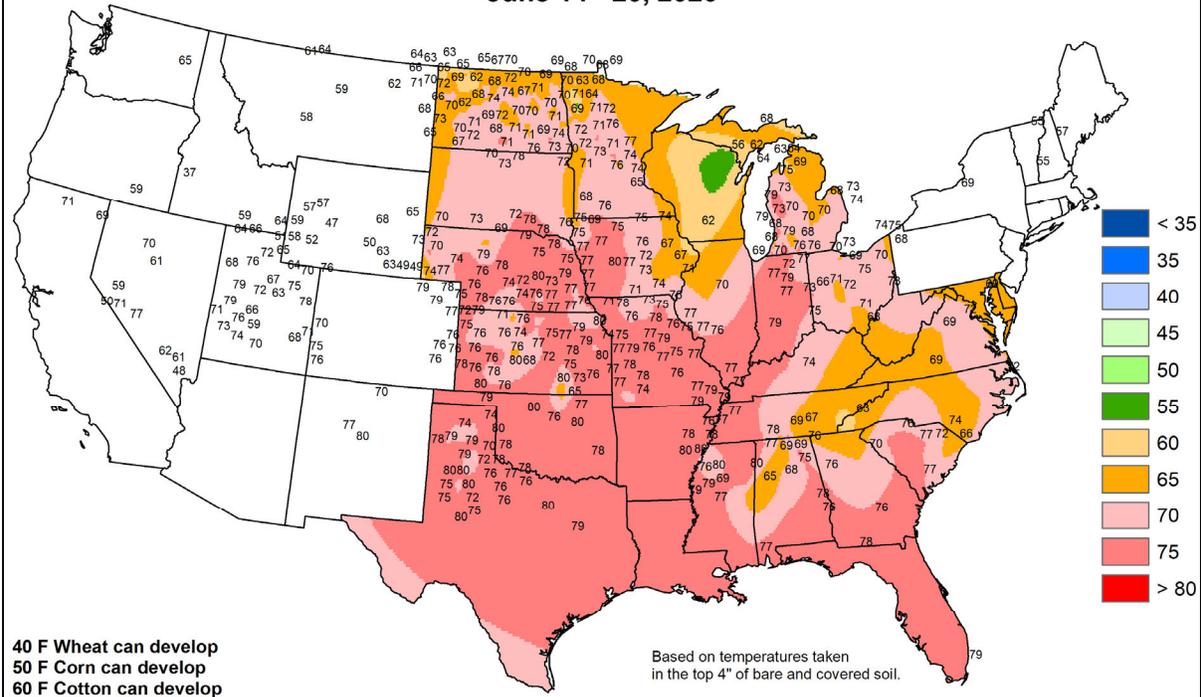


8.03 inches of rain from June 12-17, aided by a daily-record total of 3.49 inches on the 16th. In **Virginia, Roanoke** measured a daily-record rainfall (2.78 inches) on June 17. Meanwhile in **southwestern Montana**, approximately 17 inches of snow blanketed the **Darkhorse Lake** observation site, at an elevation of 8,945 feet, on June 16-17. Since that site was established in 1977, the highest 2-day June snowfall had been 11 inches on June 18-19, 2013. **Northwestern** daily-record rainfall amounts for June 17 reached 0.91 inch in **Idaho Falls, ID**, and 0.83 inch in **Butte, MT**. Late in the week, showers and thunderstorms across the **nation's mid-section** resulted in daily-record totals in locations such as **Lawton, OK** (3.28 inches on June 19); **Wausau, WI** (3.04 inches on June 20); and **Amarillo, TX** (1.74 inches on June 19). In the preceding 91 days (March 20 – June 18), precipitation in **Amarillo** had totaled just 1.05 inches.

Record-setting warmth in **western Alaska** and wet weather across **southern Alaska** highlighted an active week. On June 19-20, **Saint Paul Island** collected consecutive daily-record highs of 60°F. Meanwhile in **southeastern Alaska, Ketchikan** netted 5.72 inches of rain from June 17-20, as well as a daily-record sum (3.51 inches) on the 18th. **Kodiak** reported 2.24 inches of rain, not a record for the date, on June 16. Farther south, hot, mostly dry weather prevailed in **Hawaii**. In **Kahului, Maui**, where measurable rain last fell on May 9, daily-record highs of 92°F occurred on June 18 and 20. **Kahului** also noted a high of 93°F (not a record for the date) on June 17. Meanwhile on the **Big Island, Hilo** received measurable rainfall on each of the first 20 days of June, totaling just 3.37 inches (73 percent of normal).

Average Soil Temperature (Deg. F)

June 14 - 20, 2020

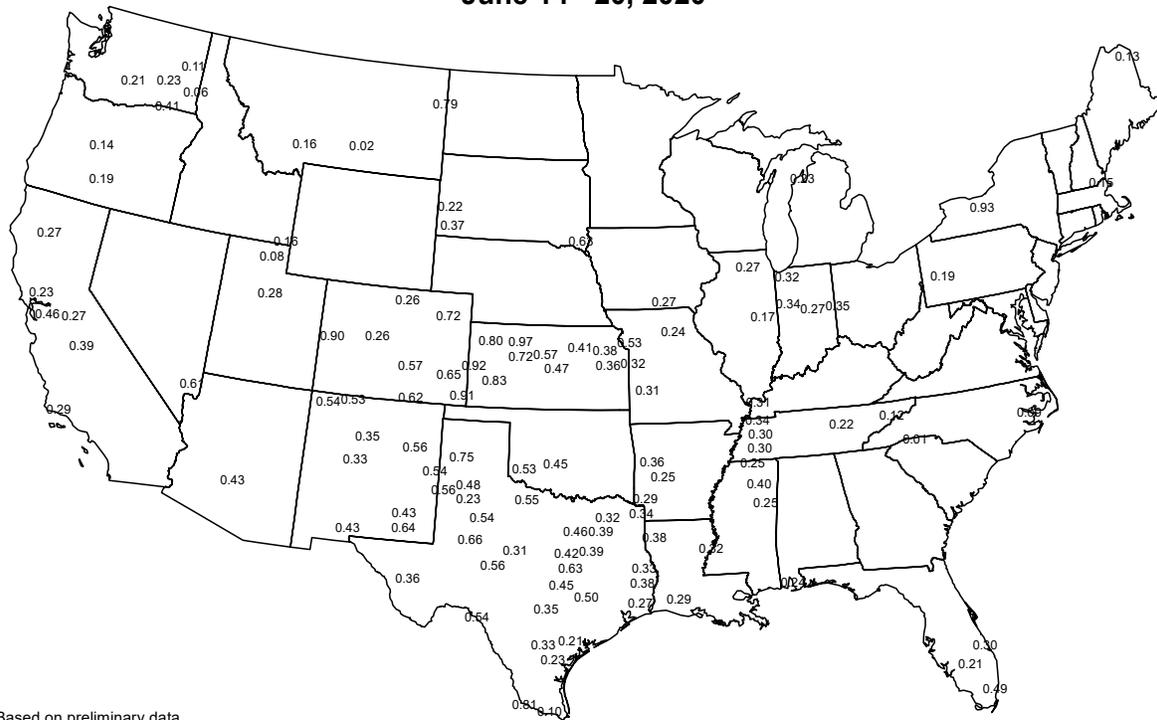


Data provided by the Climate Prediction Center, High Plains Regional Climate Center, Nebraska Mesonet at Univ of Nebraska, CoAgMet at Colorado State Univ, Kansas Mesonet at Kansas State Univ, North Dakota Agricultural Weather Network at North Dakota State Univ, Wyoming State Climate Office at the Univ of Wyoming, Illinois State Water Survey, Iowa State University, Oklahoma Mesonet, Purdue University, University of Missouri, Illinois State Water Survey, Michigan Automated Weather Network, West Texas Mesonet, South Dakota State Univ, Mesonet, Ohio Agricultural Research and Development Center, Univ. of Missouri and USDA/NRCS.

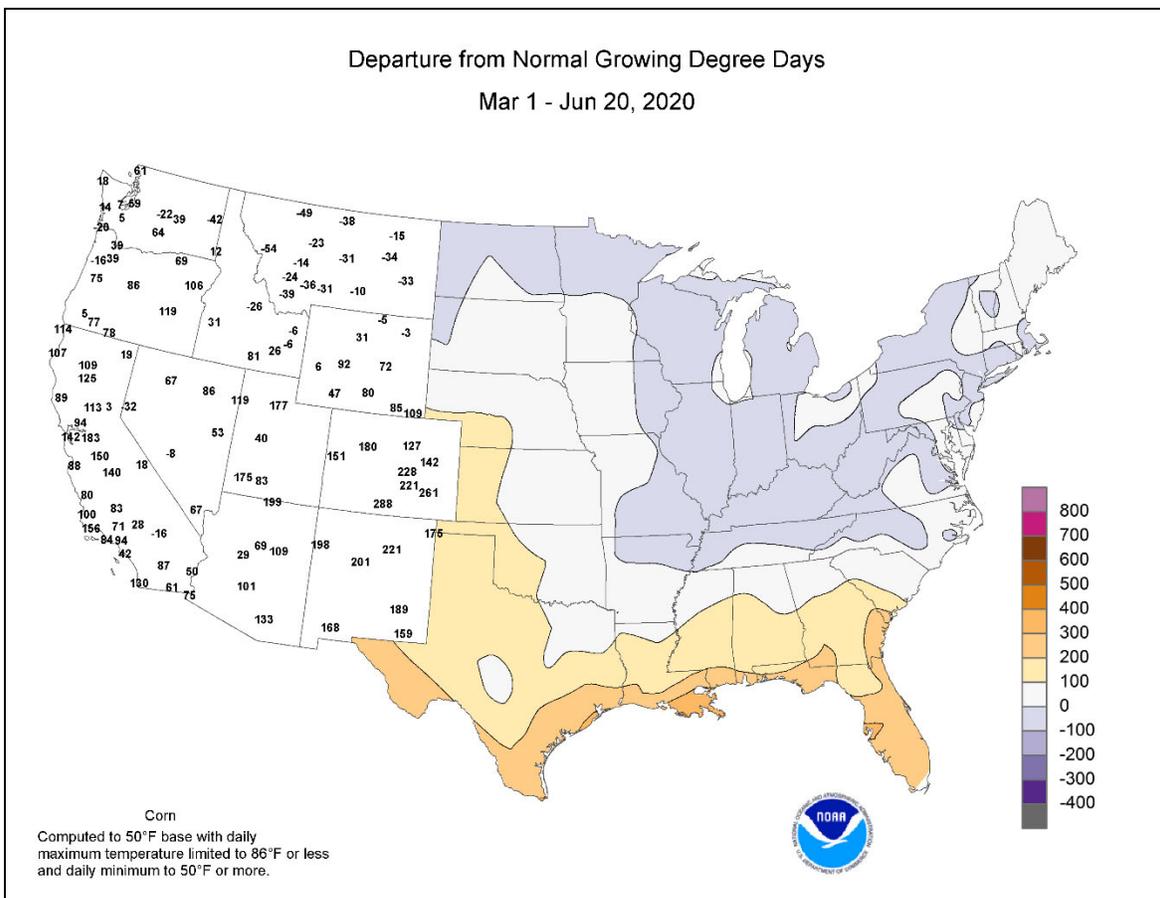
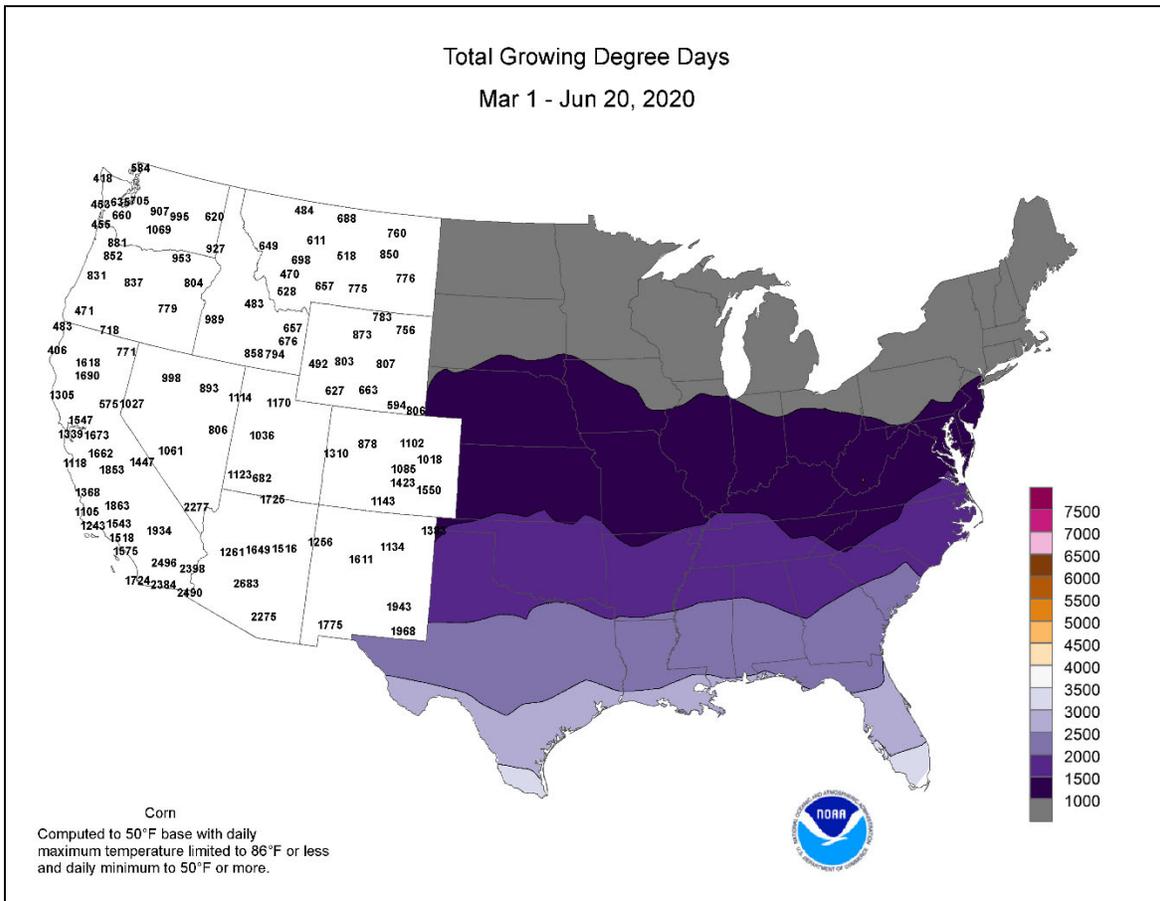


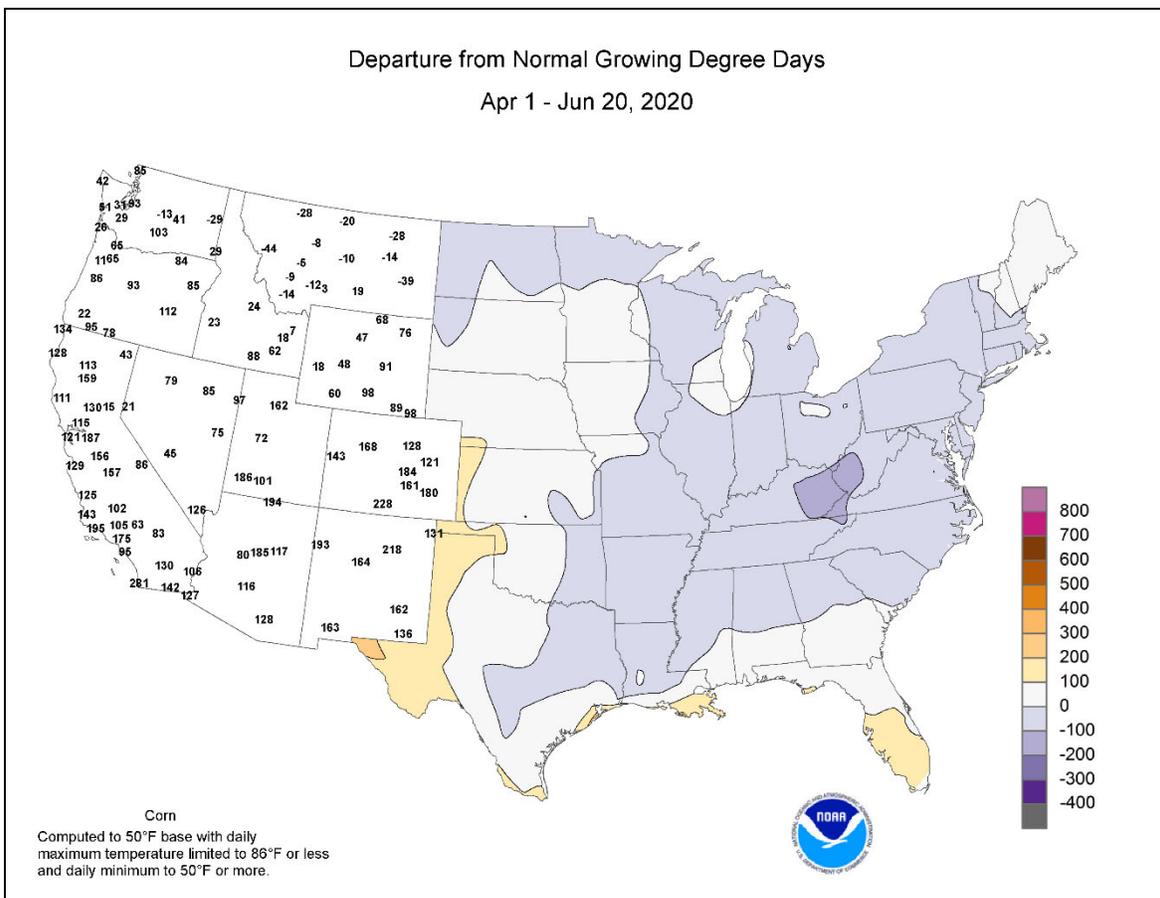
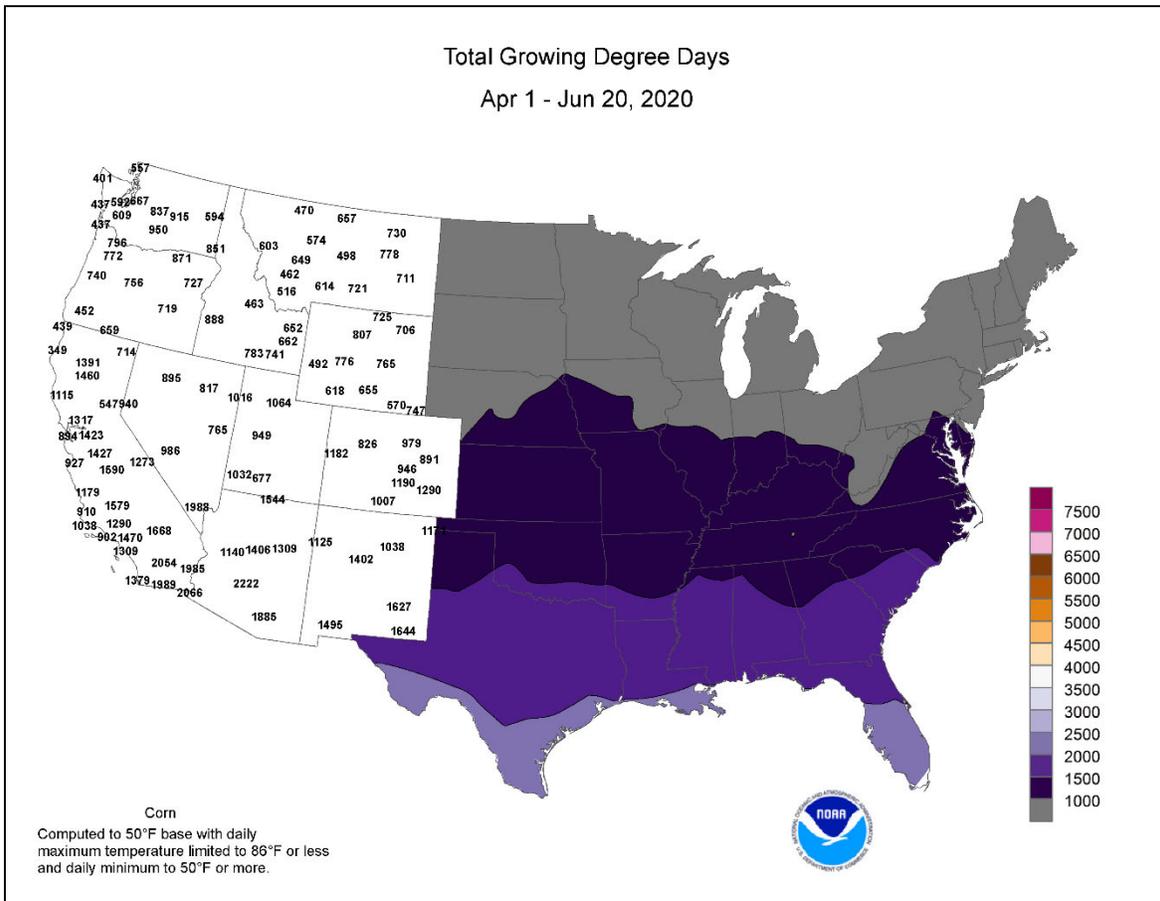
Average Pan Evaporation (inches/day)

June 14 - 20, 2020



USDA Agricultural Weather Assessments
Data obtained from the NWS Cooperative Observer Network.





National Weather Data for Selected Cities

Weather Data for the Week Ending June 20, 2020

Data Provided by Climate Prediction Center

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN. SINCE 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	TEMP. °F		PRECIP	
																		01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	87	65	94	61	76	-2	0.00	-1.02	0.00	1.04	36	46.20	170	81	39	3	0	0	0	0	
AL HUNTSVILLE	87	62	94	60	74	-4	0.00	-1.01	0.00	0.96	33	41.78	152	90	37	3	0	0	0	0	
AL MOBILE	90	68	92	67	79	-1	0.14	-1.28	0.14	8.74	226	28.56	92	98	40	5	0	1	0	0	
AL MONTGOMERY	89	66	94	61	77	-2	0.05	-0.88	0.05	3.70	151	33.94	130	90	42	4	0	1	0	0	
AK ANCHORAGE	64	50	67	45	57	1	0.17	-0.06	0.15	0.48	75	5.06	127	78	49	0	0	2	0	0	
AK BARROW	45	34	51	31	39	3	0.00	-0.08	0.00	0.02	9	2.05	198	89	70	0	2	0	0	0	
AK FAIRBANKS	73	55	77	52	64	2	1.26	0.93	0.54	1.50	183	3.26	104	88	43	0	0	4	2	2	
AK JUNEAU	57	51	60	50	54	-1	2.66	1.94	0.74	5.51	261	28.64	131	95	78	0	0	7	4	4	
AK KODIAK	55	47	59	40	51	1	2.82	1.43	1.96	4.41	107	16.74	46	89	70	0	0	4	2	2	
AK NOME	71	52	73	47	61	13	0.06	-0.18	0.06	0.06	9	6.62	135	80	43	0	0	1	0	0	
AZ PHOENIX	105	76	107	74	91	-1	0.00	-0.01	0.00	0.00	0	3.61	107	20	7	7	0	0	0	0	
AZ PRESCOTT	85	53	90	49	69	-2	0.00	-0.10	0.00	0.00	0	5.17	105	39	10	1	0	0	0	0	
AZ TUCSON	102	69	104	64	85	0	0.00	-0.04	0.00	0.05	54	2.20	65	20	6	7	0	0	0	0	
AR FORT SMITH	91	69	95	68	80	2	0.17	-0.82	0.17	0.59	20	28.10	126	90	44	6	0	1	0	0	
AR LITTLE ROCK	89	66	91	60	78	-2	0.00	-0.82	0.00	2.21	88	10.86	120	90	41	3	0	0	0	0	
CA BAKERSFIELD	91	64	99	56	78	0	0.00	-0.03	0.00	0.02	21	4.76	97	49	19	4	0	0	0	0	
CA FRESNO	92	64	100	57	78	0	0.00	-0.06	0.00	0.00	0	4.66	58	59	18	4	0	0	0	0	
CA LOS ANGELES	71	62	73	59	67	1	0.00	-0.02	0.00	0.00	0	7.37	82	58	0	0	0	0	0	0	
CA REDDING	91	62	100	53	76	0	0.00	-0.13	0.00	0.00	0	14.11	67	64	19	4	0	0	0	0	
CA SAN DIEGO	70	64	71	63	67	1	0.00	-0.02	0.00	0.06	88	6.93	97	78	59	0	0	0	0	0	
CA SAN FRANCISCO	74	55	83	54	65	2	0.00	-0.03	0.00	0.00	0	4.24	29	85	45	0	0	0	0	0	
CA STOCKTON	91	58	98	54	74	2	0.00	-0.03	0.00	0.00	0	4.14	41	70	21	4	0	0	0	0	
CO ALAMOSA	82	42	85	31	62	2	0.00	-0.11	0.00	0.17	55	0.98	37	68	9	0	1	0	0	0	
CO CO SPRINGS	85	54	93	47	69	3	0.46	-0.10	0.41	0.71	40	4.43	63	62	18	4	0	2	0	0	
CO DENVER INTL	86	54	96	46	70	2	0.09	-0.35	0.06	0.65	47	5.23	73	65	18	4	0	2	0	0	
CO GRAND JUNCTION	89	57	94	48	73	0	0.00	-0.11	0.00	0.40	117	2.84	66	26	6	2	0	0	0	0	
CO PUEBLO	91	57	100	48	74	3	0.09	-0.21	0.09	0.61	66	2.17	38	61	16	5	0	1	0	0	
CT BRIDGEPORT	76	60	85	52	68	-1	0.00	-0.81	0.00	0.65	24	16.45	79	91	53	0	0	0	0	0	
CT HARTFORD	83	56	92	45	70	1	0.00	-0.99	0.00	0.44	13	17.15	81	91	35	1	0	0	0	0	
DC WASHINGTON	79	66	84	63	72	-4	1.35	0.46	0.87	3.51	140	20.98	113	83	54	0	0	3	1	1	
DE WILMINGTON	78	61	82	55	69	-3	0.13	-0.74	0.09	2.39	93	19.40	98	85	51	0	0	3	0	0	
FL DAYTONA BEACH	85	69	89	65	77	-3	1.65	0.22	1.24	4.07	105	13.88	72	100	64	0	0	2	1	1	
FL JACKSONVILLE	86	66	92	62	76	-4	0.03	-1.61	0.03	9.11	222	22.95	116	97	53	2	0	1	0	0	
FL KEY WEST	89	80	90	75	84	1	2.35	1.42	1.99	7.58	273	14.60	108	86	64	3	0	3	1	1	
FL MIAMI	89	74	92	73	82	-1	2.52	0.11	0.84	6.34	99	33.13	152	95	59	4	0	5	3	3	
FL ORLANDO	91	72	93	70	81	0	2.85	0.97	2.01	7.28	143	15.83	80	93	46	5	0	4	1	1	
FL PENSACOLA	89	71	95	69	80	-1	2.22	0.61	2.20	5.85	142	22.30	79	90	49	2	0	2	1	1	
FL TALLAHASSEE	90	66	95	64	78	-2	0.08	-1.87	0.08	8.28	165	25.28	94	89	35	5	0	1	0	0	
FL TAMPA	90	75	93	73	82	0	1.46	-0.26	1.46	6.35	160	16.41	101	80	44	4	0	1	1	1	
FL WEST PALM BEACH	87	73	89	71	80	-2	1.54	-0.50	1.46	4.79	85	21.59	88	94	63	0	0	4	1	1	
GA ATHENS	84	60	93	53	72	-6	0.19	-0.84	0.18	0.86	32	32.56	148	90	45	2	0	2	0	0	
GA ATLANTA	82	63	90	59	73	-5	0.40	-0.50	0.40	1.82	76	37.72	162	82	48	1	0	1	0	0	
GA AUGUSTA	83	63	92	61	73	-6	0.40	-0.78	0.35	0.68	21	29.83	143	93	50	1	0	2	0	0	
GA COLUMBUS	87	66	94	59	76	-3	0.02	-0.98	0.02	3.19	117	37.30	151	85	41	2	0	1	0	0	
GA MACON	86	62	95	56	74	-5	0.04	-0.92	0.04	0.67	25	34.24	158	91	43	2	0	1	0	0	
GA SAVANNAH	85	66	92	63	76	-5	0.12	-1.38	0.12	2.09	53	24.77	122	91	54	2	0	1	0	0	
HI HILO	83	71	85	69	77	2	1.53	-0.22	0.44	3.50	76	34.50	60	87	57	0	0	7	0	0	
HI HONOLULU	87	75	88	73	81	0	0.10	0.03	0.10	0.10	46	9.13	116	77	46	0	0	1	0	0	
HI KAHULUI	89	74	93	70	82	4	0.00	-0.05	0.00	0.00	0	8.13	83	75	44	3	0	0	0	0	
HI LIHUE	84	74	85	72	79	1	0.28	-0.11	0.12	0.81	76	13.89	81	87	64	0	0	5	0	0	
ID BOISE	71	51	86	46	61	-7	0.54	0.41	0.29	2.61	483	10.25	149	87	37	0	0	4	0	0	
ID LEWISTON	73	54	87	47	63	-3	0.59	0.31	0.20	1.25	136	9.79	140	83	44	0	0	4	0	0	
ID POCATELLO	69	42	80	38	56	-6	0.70	0.47	0.48	1.06	134	7.41	110	85	36	0	0	2	0	0	
IL CHICAGO/O_HARE	84	62	93	52	73	3	0.20	-0.59	0.20	0.97	41	21.16	137	75	29	3	0	1	0	0	
IL MOLINE	84	57	88	50	71	-1	0.43	-0.59	0.24	3.30	111	16.07	95	84	40	0	0	2	0	0	
IL PEORIA	85	60	90	53	72	0	0.27	-0.53	0.26	0.75	32	19.40	116	81	35	1	0	2	0	0	
IL ROCKFORD	84	58	90	51	71	1	0.02	-1.09	0.02	2.18	67	16.62	105	77	33	1	0	1	0	0	
IL SPRINGFIELD	86	60	90	51	73	0	0.34	-0.73	0.33	0.48	15	21.97	128	85	33	2	0	2	0	0	
IN EVANSVILLE	86	61	93	55	73	-2	0.36	-0.46	0.36	1.25	47	27.82	121	87	35	2	0	1	0	0	
IN FORT WAYNE	85	57	93	53	71	0	0.00	-0.93	0.00	0.65	22	16.26	91	82	30	2	0	0	0	0	
IN INDIANAPOLIS	85	61	91	50	73	0	0.00	-0.97	0.00	1.09	38	24.07	118	74	34	2	0	0	0	0	
IN SOUTH BEND	85	57	94	46	71	1	0.00	-0.89	0.00	6.77	260	23.99	147	85	33	2	0	0	0	0	
IA BURLINGTON	83	61	87	54	72	-2	0.85	-0.20	0.58	2.89	95	13.06	74	82	41	0	0	2	1	1	
IA CEDAR RAPIDS	80	60	85	54	70	-1	1.04	-0.10	0.89	3.82	120	11.53	78	84	47	0	0	2	1	1	
IA DES MOINES	83	65	86	59	74	2	0.20	-0.96	0.16	3.07	93	15.94	96	81	54	0	0	2	0	0	
IA DUBUQUE	79	59	85	51	69	0	0.20	-0.82	0.15	2.81	94	15.74	99	81	50	0	0	2	0	0	
IA SIOUX CITY	87	65	92	58	76	5	0.21	-0.67	0.15	1.28	48	8.70	68	83	45	4	0	2	0	0	
IA WATERLOO	83	62	88	56	73	2	2.47	1.31	1.89	5.48	167	17.18	110	75	45	0	0	2	2	2	
KS CONCORDIA	92	69	97	64	80	6	0.80	-0.13	0.61	1.58	59	8.55	67	75	39	5	0	2	1	1	
KS DODGE CITY	92	65	97	57	79	4	3.09	2.35	2.28	3.57	161	9.50	97	75	31	5	0	2	2	2	
KS GOODLAND	90	60	99	50	75	5	0.41	-0.34	0.41	1.33	60	6.32	72	67	23	4	0	1	0	0	
KS TOPEKA	90	70	94	66	80	5	0.10	-1.20	0.09	0.92	25	16.36	97	81	43	5	0	2	0	0	
KS WICHITA	91	68	97	65	80	3	1.44	0.19	1.44	1.45	40	16.20	104	79	38	5	0	1	1	1	
KY JACKSON	76	59	88	56																	

Weather Data for the Week Ending June 20, 2020

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP	
																		01 INCH OR MORE	50 INCH OR MORE		
LA LOUISVILLE	85	64	93	57	74	-2	0.08	-0.76	0.06	2.30	87	24.82	109	83	40	1	0	2	0		
LA BATON ROUGE	92	68	94	64	80	-1	0.00	-1.66	0.00	3.16	75	28.89	100	92	38	7	0	0	0		
LA LAKE CHARLES	89	70	91	68	80	-2	1.63	-0.12	0.83	4.30	96	25.18	99	100	51	4	0	4	2		
LA NEW ORLEANS	93	74	95	71	84	2	0.00	-2.06	0.00	5.55	103	28.97	97	85	40	7	0	0	0		
LA SHREVEPORT	92	70	94	65	81	1	0.03	-1.35	0.03	0.37	10	34.80	133	87	43	7	0	1	0		
ME CARIBOU	85	54	96	44	69	8	0.00	-0.80	0.00	0.63	28	14.08	90	76	28	3	0	0	0		
ME PORTLAND	81	54	93	46	68	4	0.00	-0.87	0.00	0.38	14	17.97	81	83	40	2	0	0	0		
MD BALTIMORE	79	64	84	61	71	-2	1.39	0.60	0.93	5.18	219	22.04	113	83	50	0	0	4	1		
MA BOSTON	77	56	92	37	67	-2	0.00	-0.87	0.00	1.07	39	16.04	76	87	47	1	0	0	0		
MA WORCESTER	78	56	87	50	67	2	0.00	-0.96	0.00	0.70	23	18.12	81	87	41	0	0	0	0		
MI ALPENA	81	45	88	36	63	0	0.00	-0.59	0.00	1.08	63	12.57	108	96	36	0	0	0	0		
MI GRAND RAPIDS	83	54	91	42	69	0	0.00	-0.87	0.00	1.64	64	17.61	109	88	34	2	0	0	0		
MI HOUGHTON LAKE	82	45	90	34	64	0	0.01	-0.74	0.01	0.81	42	13.04	119	95	31	1	0	1	0		
MI LANSING	83	54	93	42	69	0	0.00	-0.82	0.00	1.05	45	18.02	129	83	35	2	0	0	0		
MI MUSKEGON	83	54	90	42	68	1	0.12	-0.46	0.12	2.07	118	20.65	147	81	31	1	0	1	0		
MI TRAVERSE CITY	84	51	91	40	67	3	0.17	-0.38	0.17	1.75	112	12.61	139	88	33	1	0	1	0		
MN DULUTH	76	55	89	41	66	5	0.08	-0.94	0.08	0.35	13	6.21	53	76	44	0	0	1	0		
MN INT_L FALLS	79	54	91	39	67	5	0.72	-0.24	0.70	2.79	112	7.14	78	82	41	2	0	2	1		
MN MINNEAPOLIS	84	63	91	55	73	4	1.42	0.37	1.37	3.11	111	13.54	108	73	44	2	0	3	1		
MN ROCHESTER	80	59	86	49	69	1	0.79	-0.33	0.46	3.33	106	15.01	110	78	45	0	0	3	0		
MN ST. CLOUD	83	59	93	53	71	5	0.32	-0.73	0.32	1.20	43	6.82	61	78	42	2	0	1	0		
MS JACKSON	91	66	93	63	79	-1	0.00	-0.96	0.00	4.29	161	42.49	157	92	37	5	0	0	0		
MS MERIDIAN	91	64	93	60	77	-1	0.07	-0.94	0.04	3.65	126	41.17	144	93	42	5	0	2	0		
MS TUPELO	89	64	94	60	77	-2	0.00	-1.05	0.00	2.32	76	38.79	139	90	37	3	0	0	0		
MO COLUMBIA	85	64	88	60	75	1	1.35	0.29	1.34	5.80	192	30.26	154	83	48	0	0	2	1		
MO KANSAS CITY	88	69	91	62	78	4	0.10	-1.12	0.10	0.74	20	15.19	87	87	52	4	0	1	0		
MO SAINT LOUIS	88	67	93	59	77	1	0.02	-0.98	0.02	0.37	12	24.26	125	68	33	3	0	1	0		
MO SPRINGFIELD	86	66	90	63	76	2	0.22	-0.96	0.21	3.35	102	36.22	169	88	52	1	0	2	0		
MT BILLINGS	72	48	82	45	60	-5	0.93	0.42	0.72	2.54	169	5.99	80	81	36	0	0	4	1		
MT BUTTE	60	37	69	30	49	-7	1.61	1.03	0.83	2.94	142	6.08	86	95	45	0	1	5	2		
MT CUT BANK	66	45	76	38	56	-3	0.51	-0.10	0.24	1.34	72	3.94	70	80	36	0	0	4	0		
MT GLASGOW	73	50	80	46	61	-3	0.61	0.09	0.31	1.39	86	5.77	103	81	39	0	0	5	0		
MT GREAT FALLS	67	46	77	40	56	-4	0.81	0.27	0.36	1.87	101	7.39	96	86	42	0	0	6	0		
MT HAVRE	71	48	82	42	59	-3	0.67	0.15	0.25	1.17	78	4.28	79	87	39	0	0	6	0		
MT MISSOULA	67	45	76	34	56	-5	0.12	-0.37	0.06	0.52	33	7.22	97	91	43	0	0	3	0		
NE GRAND ISLAND	90	66	99	57	78	6	0.00	-0.98	0.00	0.55	18	13.11	101	71	35	4	0	0	0		
NE LINCOLN	89	68	95	62	78	5	1.10	0.07	1.02	2.06	69	10.67	79	77	41	4	0	2	1		
NE NORFOLK	87	66	94	54	77	6	0.10	-0.87	0.05	0.23	8	9.32	74	77	40	4	0	2	0		
NE NORTH PLATTE	91	63	99	54	77	8	0.17	-0.61	0.17	1.03	42	7.52	75	65	29	4	0	1	0		
NE OMAHA	88	68	93	62	78	5	1.15	0.22	0.94	2.46	85	9.80	68	84	46	4	0	2	1		
NE SCOTTSBLUFF	89	55	101	52	72	4	0.09	-0.58	0.08	0.82	39	6.04	71	76	20	4	0	2	0		
NE VALENTINE	88	63	98	53	76	8	1.68	0.86	0.99	3.77	157	8.75	92	72	34	4	0	3	2		
NV ELY	77	37	83	30	57	-3	0.00	-0.14	0.00	0.01	2	3.98	77	54	11	0	2	0	0		
NV LAS VEGAS	97	74	103	69	86	-2	0.00	-0.02	0.00	0.00	0	2.35	106	21	8	7	0	0	0		
NV RENO	80	50	92	44	65	-3	0.00	-0.13	0.00	0.04	11	1.49	35	50	14	1	0	0	0		
NV WINNEMUCCA	74	41	79	34	57	-7	0.06	-0.05	0.06	0.82	187	4.09	82	78	18	0	0	1	0		
NH CONCORD	85	51	93	44	68	2	0.04	-0.80	0.04	0.17	6	12.76	70	97	34	3	0	1	0		
NJ NEWARK	80	60	87	53	70	-3	0.01	-0.91	0.01	1.38	49	15.07	69	89	45	0	0	1	0		
NM ALBUQUERQUE	90	61	93	58	76	0	0.00	-0.16	0.00	0.91	251	2.75	92	43	10	4	0	0	0		
NY ALBANY	84	56	91	43	70	2	0.00	-0.89	0.00	0.61	23	12.84	73	83	35	1	0	0	0		
NY BINGHAMTON	75	52	81	39	64	-1	1.60	0.54	1.60	2.85	98	25.48	144	91	45	0	0	1	1		
NY BUFFALO	80	55	87	42	68	1	0.00	-0.89	0.00	2.41	95	18.26	104	83	37	0	0	0	0		
NY ROCHESTER	79	52	86	41	65	-2	0.00	-0.80	0.00	0.56	26	12.47	85	93	35	0	0	0	0		
NY SYRACUSE	82	53	91	42	68	1	0.14	-0.63	0.13	0.46	20	16.33	101	86	37	1	0	2	0		
NC ASHEVILLE	73	58	84	56	65	-6	0.85	-0.28	0.38	2.06	67	30.59	143	97	59	0	0	4	0		
NC CHARLOTTE	77	61	86	57	69	-7	0.56	-0.33	0.49	1.41	54	29.48	150	91	54	0	0	5	0		
NC GREENSBORO	73	58	82	53	66	-10	2.07	1.20	1.34	2.36	94	30.78	160	99	65	0	0	5	1		
NC HATTERAS	80	69	87	66	74	-2	6.78	5.80	3.50	8.80	339	38.65	162	93	72	0	0	5	3		
NC RALEIGH	76	61	86	58	69	-8	2.22	1.41	0.80	2.40	102	24.20	124	97	62	0	0	4	3		
NC WILMINGTON	76	63	84	59	69	-9	4.26	3.09	2.33	8.62	257	33.37	149	100	71	0	0	5	2		
ND BISMARCK	85	58	96	44	71	6	0.08	-0.69	0.08	0.38	18	2.33	30	80	32	2	0	1	0		
ND DICKINSON	80	49	93	41	65	2	0.21	-0.57	0.09	0.63	29	2.60	35	90	35	1	0	3	0		
ND FARGO	86	62	97	52	74	7	0.29	-0.65	0.25	1.88	72	6.02	64	78	39	3	0	2	0		
ND GRAND FORKS	84	58	97	47	71	6	0.44	-0.39	0.33	1.50	67	4.72	58	80	40	2	0	3	0		
ND JAMESTOWN	83	59	96	49	71	6	0.11	-0.61	0.11	0.70	33	3.56	46	80	39	2	0	1	0		
OH AKRON-CANTON	81	58	88	49	70	1	0.22	-0.67	0.22	1.75	69	20.74	113	84	43	0	0	1	0		
OH CINCINNATI	83	60	91	53	72	-1	0.03	-0.91	0.03	0.29	10	23.43	108	81	36	1	0	1	0		
OH CLEVELAND	78	58	86	52	68	-1	0.41	-0.38	0.41	0.97	42	22.65	130	85	46	0	0	1	0		
OH COLUMBUS	82	59	92	50	70	-2	0.28	-0.64	0.28	1.22	44	27.22	148	86	42	1	0	1	0		
OH DAYTON	83	58	92	51	71	-1	0.00	-0.99	0.00	0.82	29	22.07	110	81	40	1	0	0	0		
OH MANSFIELD	83	57	92	48	71	2	0.64	-0.50	0.52	2.05	62	20.69	100	87	43	1	0	2	1		
OH TOLEDO	84	56	94	49	70	0	0.12	-0.71	0.12	0.77	31	15.66	99	87	36	2	0	1	0		
OH YOUNGSTOWN	81	54	88	47	68	1	0.02	-0.89	0.02	0.85	33	18.80	108	85	40	0	0	1	0		
OK OKLAHOMA CITY	90	66	93	62	78	-1	2.06	0.91	2.06	2.06	58	16.60	95	87	39	5	0	1	1		
OK TULSA	91	71	94	67	81	3	0.00	-1.06	0.00	0.00	0	21.98	110	84	41	5	0	0	0		

Based on 1981-2010 normals

*** Not Available

Weather Data for the Week Ending June 20, 2020

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIP	
																		01 INCH OR MORE	.50 INCH OR MORE
OR ASTORIA	64	51	69	48	58	1	0.83	0.21	0.33	1.98	103	38.34	107	97	66	0	0	4	0
OR BURNS	71	42	87	31	56	-2	0.27	0.09	0.19	0.66	108	5.57	90	80	28	0	1	2	0
OR EUGENE	73	51	86	44	62	1	0.97	0.63	0.75	1.74	144	17.61	71	91	49	0	0	2	1
OR MEDFORD	79	54	94	48	66	-1	0.17	0.04	0.13	1.22	244	9.17	97	85	32	1	0	2	0
OR PENDLETON	76	52	89	47	64	-1	0.30	0.07	0.27	0.73	92	8.76	121	83	29	0	0	3	0
OR PORTLAND	73	55	86	50	64	0	0.93	0.54	0.37	3.60	273	18.70	99	89	41	0	0	3	0
OR SALEM	72	51	86	48	62	0	0.39	0.02	0.16	1.46	120	19.05	91	90	45	0	0	4	0
PA ALLENTOWN	80	56	86	48	68	-2	0.14	-0.87	0.09	1.41	48	17.41	88	89	43	0	0	2	0
PA ERIE	78	57	84	49	67	0	0.04	-0.86	0.04	0.96	38	17.59	100	78	40	0	0	1	0
PA MIDDLETOWN	80	60	83	52	70	-2	0.76	-0.06	0.73	2.98	126	19.97	111	81	47	0	0	2	1
PA PHILADELPHIA	80	61	85	56	71	-3	0.68	-0.07	0.55	3.20	139	18.52	97	84	46	0	0	2	1
PA PITTSBURGH	78	57	85	51	68	-2	0.21	-0.81	0.17	1.53	53	18.72	103	89	46	0	0	2	0
PA WILKES-BARRE	81	55	85	44	68	0	0.46	-0.50	0.45	1.65	59	15.76	94	85	41	0	0	2	0
PA WILLIAMSPORT	80	55	84	43	68	-2	0.16	-0.80	0.16	2.04	77	20.28	115	89	41	0	0	1	0
RI PROVIDENCE	80	58	91	51	69	1	0.00	-0.85	0.00	1.34	49	19.24	84	94	46	1	0	0	0
SC BEAUFORT	83	65	91	62	74	-6	2.02	0.72	1.63	4.39	135	15.29	86	93	59	2	0	3	1
SC CHARLESTON	79	64	89	60	71	-8	0.84	-0.55	0.45	3.44	96	25.12	126	96	64	0	0	4	0
SC COLUMBIA	79	63	90	61	71	-9	0.12	-1.07	0.09	1.91	61	28.11	142	89	56	1	0	3	0
SC GREENVILLE	78	60	89	56	69	-8	0.53	-0.33	0.17	1.33	53	41.57	189	93	54	0	0	6	0
SD ABERDEEN	86	63	95	52	75	9	0.88	-0.02	0.53	3.59	147	8.21	85	81	41	4	0	3	1
SD HURON	85	64	94	55	74	6	0.97	0.03	0.88	3.54	127	8.14	75	84	45	3	0	3	1
SD RAPID CITY	79	53	93	43	66	1	0.12	-0.45	0.08	1.83	97	5.94	68	81	33	2	0	3	0
SD SIOUX FALLS	86	65	92	53	76	7	1.94	1.02	1.55	2.96	111	10.39	86	81	47	4	0	2	1
TN BRISTOL	77	57	86	55	67	-5	0.52	-0.39	0.34	1.39	55	31.67	158	94	54	0	0	5	0
TN CHATTANOOGA	84	63	92	61	74	-3	0.03	-0.94	0.02	0.89	34	36.79	143	94	43	1	0	2	0
TN KNOXVILLE	80	59	90	55	69	-6	0.37	-0.48	0.35	0.96	39	37.23	154	91	48	1	0	2	0
TN MEMPHIS	89	68	93	65	79	-1	0.00	-0.81	0.00	1.13	45	30.89	114	77	36	3	0	0	0
TN NASHVILLE	86	63	95	60	74	-2	0.00	-0.99	0.00	0.69	24	26.61	109	83	39	2	0	0	0
TX ABILENE	95	68	98	64	81	1	1.31	0.48	1.10	1.69	63	12.52	107	79	32	7	0	2	1
TX AMARILLO	91	65	94	58	78	3	2.09	1.39	1.74	2.61	118	5.68	65	68	28	5	0	2	1
TX AUSTIN	94	68	95	60	81	-2	1.54	0.49	1.31	1.55	48	26.16	155	95	40	7	0	2	1
TX BEAUMONT	91	71	91	69	81	-1	0.06	-1.74	0.03	0.65	14	21.33	84	99	50	7	0	3	0
TX BROWNSVILLE	92	75	93	67	83	-1	0.36	-0.24	0.20	1.56	97	5.09	53	87	54	5	0	2	0
TX CORPUS CHRISTI	89	71	90	63	80	-3	0.00	-0.76	0.00	2.75	128	10.55	84	96	62	0	0	0	0
TX DEL RIO	96	75	99	70	86	1	0.03	-0.49	0.03	0.40	24	7.15	81	77	35	7	0	1	0
TX EL PASO	98	73	100	69	86	3	0.00	-0.24	0.00	0.25	48	3.63	144	26	10	7	0	0	0
TX FORT WORTH	92	70	94	67	82	0	1.85	0.97	1.02	1.85	67	27.04	142	85	38	6	0	2	2
TX GALVESTON	89	80	90	78	84	1	0.13	-1.50	0.13	0.41	10	16.07	76	78	59	2	0	1	0
TX HOUSTON	93	71	94	68	82	-1	0.13	-1.35	0.13	1.36	34	18.96	84	92	45	7	0	1	0
TX LUBBOCK	92	65	96	61	78	0	0.88	0.19	0.88	1.59	75	6.43	76	72	28	6	0	1	1
TX MIDLAND	96	68	104	65	82	1	0.00	-0.41	0.00	0.00	0	5.51	99	71	22	7	0	0	0
TX SAN ANGELO	97	69	99	62	83	2	0.00	-0.59	0.00	0.04	2	10.12	100	73	28	7	0	0	0
TX SAN ANTONIO	94	73	96	65	83	0	0.25	-0.74	0.24	0.34	12	13.67	92	86	40	7	0	2	0
TX VICTORIA	95	72	97	64	84	1	0.12	-0.93	0.12	0.67	21	11.69	63	90	39	7	0	1	0
TX WACO	94	70	96	62	82	0	1.10	0.31	1.10	1.10	42	27.28	155	86	36	7	0	1	1
TX WICHITA FALLS	93	67	96	63	80	0	0.96	-0.03	0.72	0.96	30	16.26	110	83	36	6	0	2	1
UT SALT LAKE CITY	78	52	87	46	65	-5	0.53	0.30	0.45	1.47	183	6.82	75	73	24	0	0	2	0
VT BURLINGTON	84	56	94	48	70	4	0.00	-0.84	0.00	0.40	16	11.32	76	83	30	3	0	0	0
VA LYNCHBURG	73	60	83	57	67	-6	4.12	3.27	1.78	4.61	187	27.81	145	95	66	0	0	6	3
VA NORFOLK	76	65	86	62	71	-5	1.88	0.85	1.15	2.87	99	23.58	118	91	67	0	0	3	2
VA RICHMOND	76	63	83	60	69	-7	1.59	0.67	0.57	3.46	129	20.32	103	95	64	0	0	4	2
VA ROANOKE	73	60	85	56	66	-7	7.13	6.25	2.76	7.62	289	35.83	185	96	64	0	0	6	5
VA WASH/DULLES	77	62	81	58	70	-3	0.85	-0.07	0.49	4.22	155	21.20	108	86	54	0	0	3	0
WA OLYMPIA	70	49	83	44	60	1	0.34	-0.07	0.20	1.87	141	28.28	109	96	47	0	0	3	0
WA QUILLAYUTE	64	49	73	46	57	1	0.97	0.19	0.49	3.44	135	52.88	105	97	65	0	0	4	0
WA SEATTLE-TACOMA	71	53	80	49	62	1	0.24	-0.13	0.20	1.31	112	23.13	124	88	47	0	0	3	0
WA SPOKANE	68	50	80	44	59	-3	0.21	-0.08	0.13	0.73	77	9.19	105	85	43	0	0	3	0
WA YAKIMA	78	52	90	40	65	1	0.08	-0.08	0.08	0.16	33	2.71	64	70	28	1	0	1	0
WV BECKLEY	69	55	80	51	62	-6	3.21	2.31	1.13	4.71	178	29.14	146	100	70	0	0	7	3
WV CHARLESTON	77	59	88	55	68	-4	0.61	-0.38	0.34	2.05	69	30.14	142	96	55	0	0	3	0
WV ELKINS	74	56	81	53	65	-2	2.46	1.44	0.96	4.68	163	27.81	125	92	55	0	0	4	3
WV HUNTINGTON	78	58	90	54	68	-5	0.28	-0.60	0.13	1.39	51	24.79	118	98	55	1	0	3	0
WI EAU CLAIRE	79	57	86	45	68	0	0.41	-0.59	0.27	3.11	111	12.39	98	75	45	0	0	2	0
WI GREEN BAY	80	55	89	45	67	2	0.84	-0.07	0.84	2.60	99	16.63	135	87	40	0	0	1	1
WI LA CROSSE	83	61	88	50	72	2	1.09	0.06	0.89	4.47	154	14.22	102	75	44	0	0	2	1
WI MADISON	81	54	87	45	67	0	0.13	-0.95	0.13	2.68	88	16.61	111	89	37	0	0	1	0
WI MILWAUKEE	80	57	88	49	69	2	0.25	-0.67	0.25	0.99	38	16.96	111	75	39	0	0	1	0
WY CASPER	80	42	89	31	61	-2	0.00	-0.37	0.00	0.26	22	4.26	66	78	15	0	1	0	0
WY CHEYENNE	80	51	89	47	65	3	0.43	-0.09	0.43	1.87	110	5.58	71	67	18	0	0	1	0
WY LANDER	76	47	81	37	61	-2	0.00	-0.28	0.00	0.24	24	4.57	62	59	17	0	0	0	0
WY SHERIDAN	76	45	84	38	60	-2	0.09	-0.41	0.03	0.49	31	4.83	63	81	33	0	0	5	0

Based on 1981-2010 normals

*** Not Available

Spring Weather Review

Weather summary provided by USDA/WAOB

Highlights: Cold outbreaks from mid-April to mid-May highlighted a variable spring. The cold weather and attendant freezes damaged a variety of crops—including fruits, winter wheat, and emerged summer crops—across portions of the Plains, Midwest, mid-South, and Intermountain West. Ironically, most of the country experienced a mild spring, on average, with warmth concentrated across the West and Deep South, as well as the Atlantic Coast States. Meanwhile, spring wetness was focused in parts of the South, East, and lower Midwest. Although flooding occurred in several regions, the overall magnitude of high-water impacts on agriculture was far less than a year ago, when delayed corn and soybean planting plagued the Midwest. In fact, U.S. corn planting passed the halfway mark (and was 51 percent complete) on May 3, about 17 days faster than 2019. Similarly, U.S. soybeans were more than one-half planted by May 16, some 21 days faster than last year. Nevertheless, spring planting delays were noted in parts of the central and eastern Corn Belt due to wetness; in eastern North Dakota and environs due to lingering muddy conditions and ongoing harvesting of the 2019 corn crop; and across the remainder of the northern Plains due to several weeks of persistently cool weather.

In northern and central California, March precipitation provided temporary relief from an otherwise disappointing 2019-2020 wet season. By the end of spring, drought extended into many other areas of the West, eastward across the Great Basin and into the Four Corners region, and northward into parts of the Northwest. Farther east, winter wheat across the southern half of the Plains was hurt not only by April freezes, but also by developing or intensifying drought. By June 1, nearly one-fifth (19 percent) of the U.S. winter wheat was rated in very poor to poor condition, led by Colorado (41 percent very poor to poor), Kansas (25 percent), Oregon (24 percent), and Texas (22 percent).

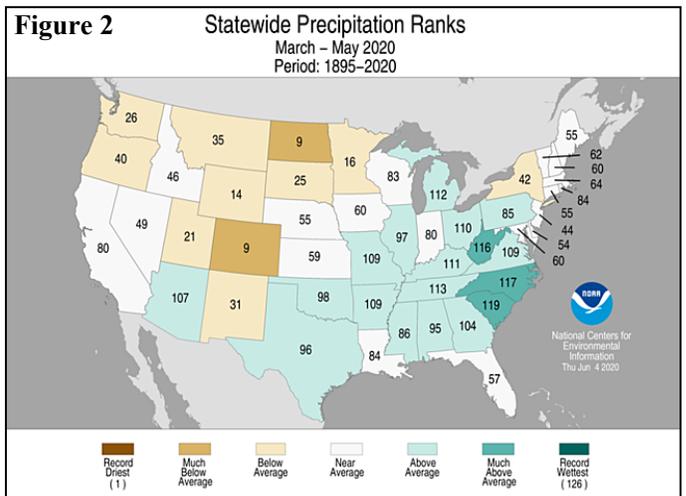
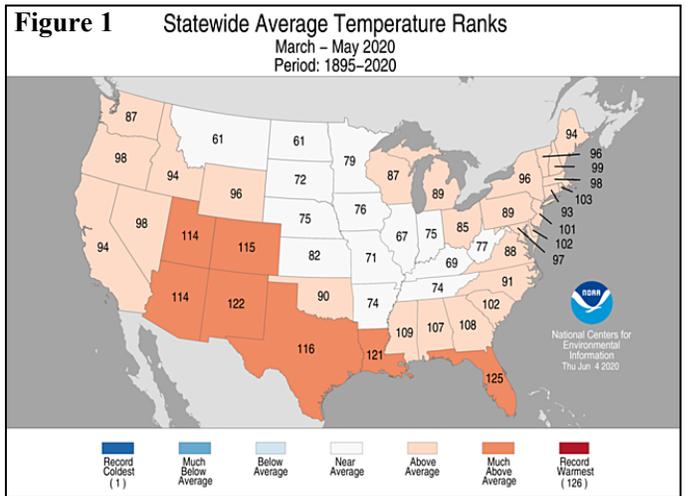
Meanwhile, early tropical activity—including Tropical Storms Arthur and Bertha—contributed to a wet pattern in the Southeast. Arthur grazed North Carolina’s Outer Banks on May 18, followed by Bertha’s arrival in South Carolina on May 27. Although May featured few tornadoes, March and April were very active, with multiple severe-weather outbreaks. In fact, there were 25 tornado-related fatalities in March and 40 in April; with 74 deaths through May, this year has already become the deadliest year for tornado fatalities since 2011.

According to the U.S. Drought Monitor, drought coverage across the Lower 48 States sharply increased from 11.52 to 19.90 percent during the 13-week period from March 3 – June 2. Still, there was minimal drought east of the Mississippi River by June 2, especially after late-spring rainfall eased or eradicated dryness along and near the Gulf Coast. In contrast, end-of spring drought covered 40.09 percent of the 11-state Western region. By early June, extreme drought (D3) covered 19.46 percent of Colorado;

11.63 percent of Kansas; and nearly 5 percent of Oregon and New Mexico.

Historical Perspective: According to preliminary data provided by the National Centers for Environmental Information, it was the nation’s 20th-warmest, 36th-wettest spring during the 126-year period of record. The country’s spring average temperature of 52.6°F was 1.7°F above the 1901-2000 mean, while precipitation averaged 8.40 inches (106 percent of normal).

Most states had a March-May ranking on the “warm” side of the historical distribution; Montana and North Dakota, with a 61st-coolest spring, were the “coolest” states (figure 1). Meanwhile, top-ten rankings for spring warmth were observed in Florida, Louisiana, and New Mexico. For Florida, where the average temperature of 73.3°F was 3.8°F above normal, it was the second-warmest spring behind 74.0°F in 2015. Statewide precipitation rankings ranged from the ninth-driest spring in Colorado and North Dakota to the eighth-wettest spring in South Carolina (figure 2). North Carolina reported its tenth-wettest spring.



March: A wet March in California's key watershed areas dented seasonal precipitation deficits and improved the average water equivalency of the Sierra Nevada snowpack from 10 to 15 inches, according to the California Department of Water Resources. However, the 15-inch equivalency on April 1, the traditional peak snowpack date, was barely one-half of normal.

Pockets of dryness and drought existed in other areas of the West, including the Four Corners region, the Great Basin, and the Pacific Northwest (excluding western Washington). In contrast, March was a very wet month across the southern tier of the West, stretching from southern California to southern New Mexico.

Meanwhile, drought intensified during March along and near the Gulf Coast, including Florida, amid summer-like heat and near-record to record-setting dryness. No measurable rain fell during the month in Florida locations such as Tampa and Lakeland. By March 29, Florida's topsoil moisture was rated 65 percent very short to short, up from 20 percent just 4 weeks earlier. Although the dryness favored planting operations, there was little moisture for germination and establishment. In Texas, 56 percent of the intended rice acreage had been planted by March 29, compared to the 5-year average of 25 percent. While drought worsened in coastal Texas, interior sections of southern Texas received much-needed rain.

Many other parts of the country, including the southern Plains and interior South, experienced a wet month, hampering spring fieldwork. By late March, topsoil moisture in Tennessee was rated 60 percent surplus. Early-spring precipitation also plagued much of the Midwest, maintaining soggy conditions in fields and feedlots. Late-March topsoil moisture was rated at least one-half surplus in several Midwestern States, including Ohio (72 percent), Illinois (56 percent), Missouri (56 percent), Indiana (53 percent), and Michigan (50 percent).

Farther west, conditions remained mostly favorable on the Plains, where all major winter wheat-production states reported at least one-half of the winter wheat rated in good to excellent condition by late March. Still, pockets of drought on the High Plains adversely affected a portion of the crop, with 27 percent of Colorado's winter wheat rated very poor to poor. In North Dakota, the corn harvest was 75 percent complete by the end of March, although a mild, mostly dry month allowed for orderly melting of snow that had been on the ground in the eastern part of the state since Thanksgiving.

In fact, warmer-than-normal March weather dominated areas from the Plains to the East Coast, with temperatures averaging at least 5°F above normal across much of the southern and eastern U.S. Conversely, cooler-than-normal conditions covered the West, particularly across southern California and the Desert Southwest.

April: April freezes, following a warm March, threatened several crops. Among the most vulnerable commodities

were alfalfa, blooming fruits, and jointing to heading winter wheat. Some of the greatest mid-April freeze impacts on wheat occurred on the central and southern Plains, while specialty crops across the Plains, Midwest, Northeast, Intermountain West, and mid-South underwent assessment to determine the extent, if any, of freeze injury.

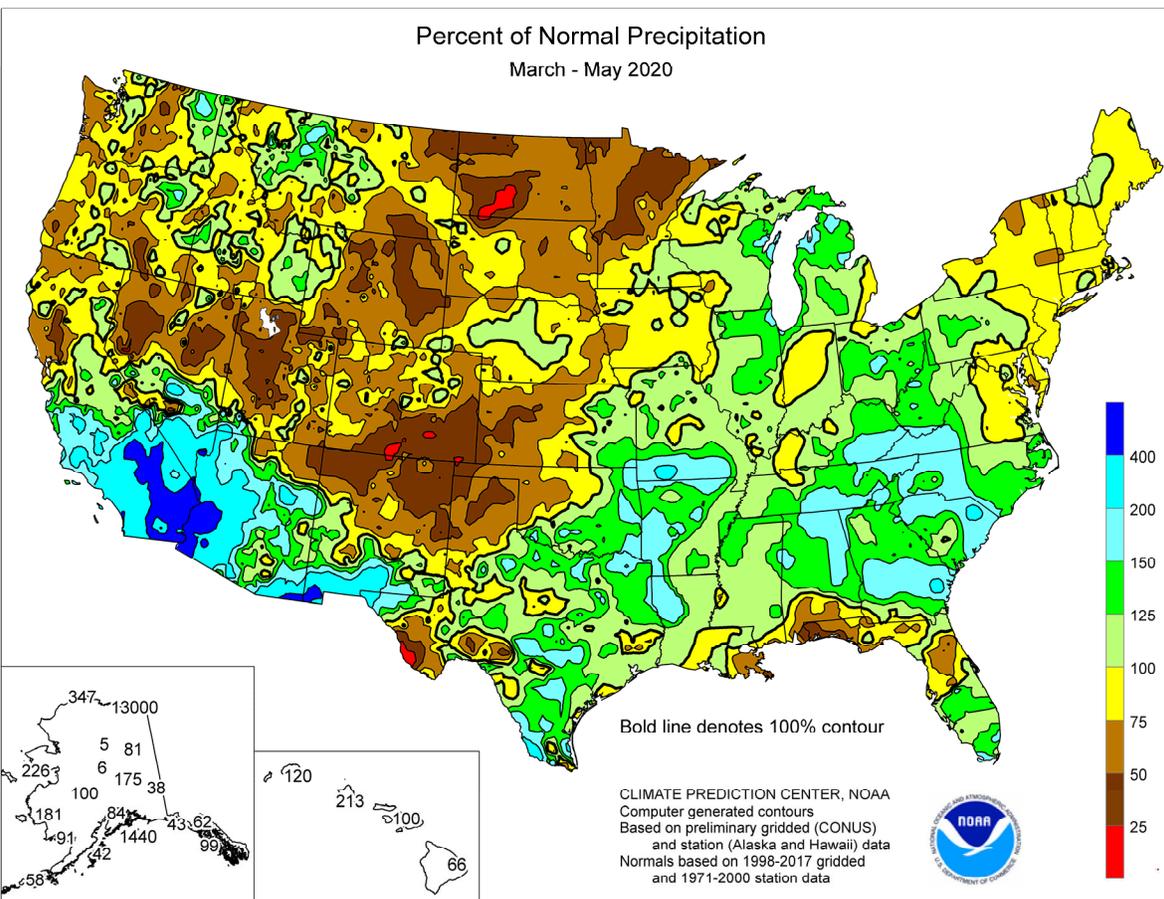
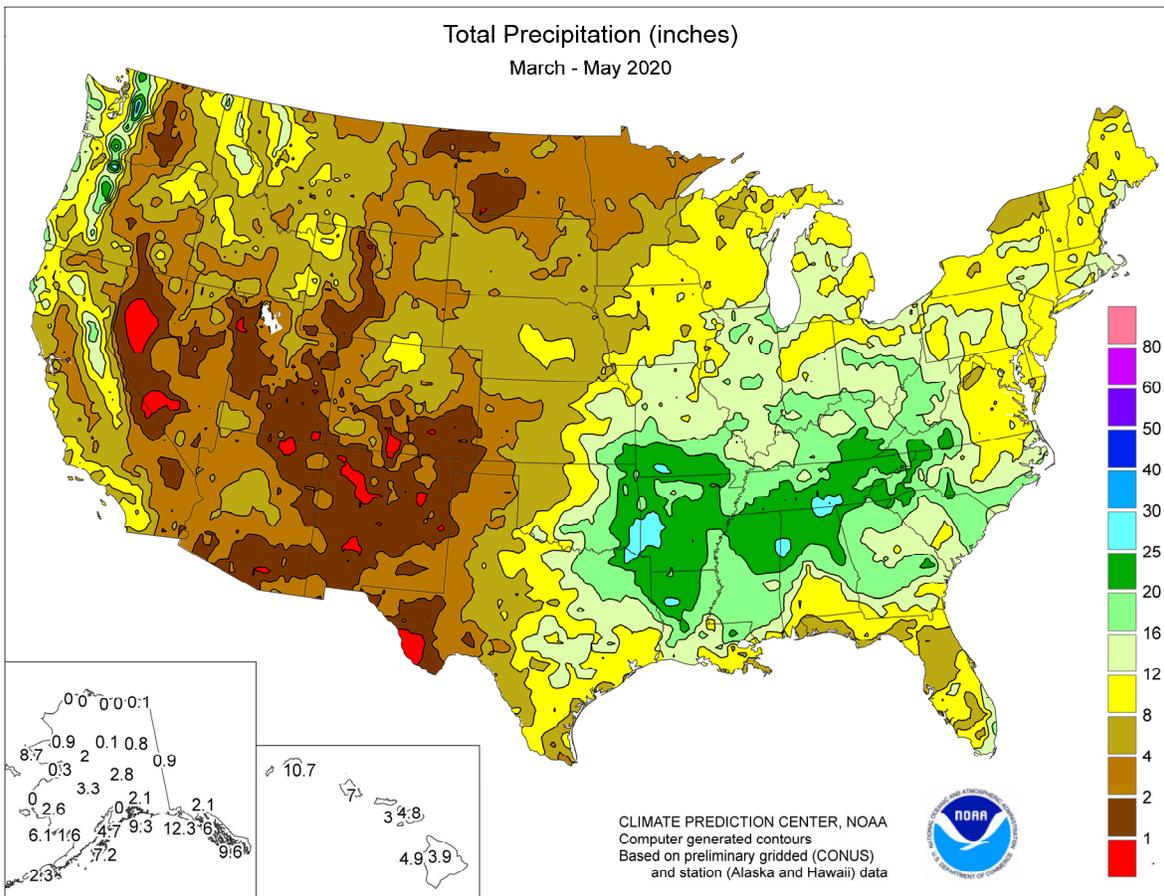
Late in the month, chilly conditions lingered in most areas east of the Mississippi River, while warmth developed and expanded across the western and central U.S. The warmth opened many opportunities for fieldwork, including planting activities, across the Plains and western and central Corn Belt. Periods of dry weather also favored many Western planting efforts. However, drought developed or intensified during April in several areas, leaving topsoil moisture short in parts of northern and central California, the Great Basin, and the Northwest. Washington led the Far West on April 26 with topsoil moisture rated 47 percent very short to short, followed by Oregon at 43 percent.

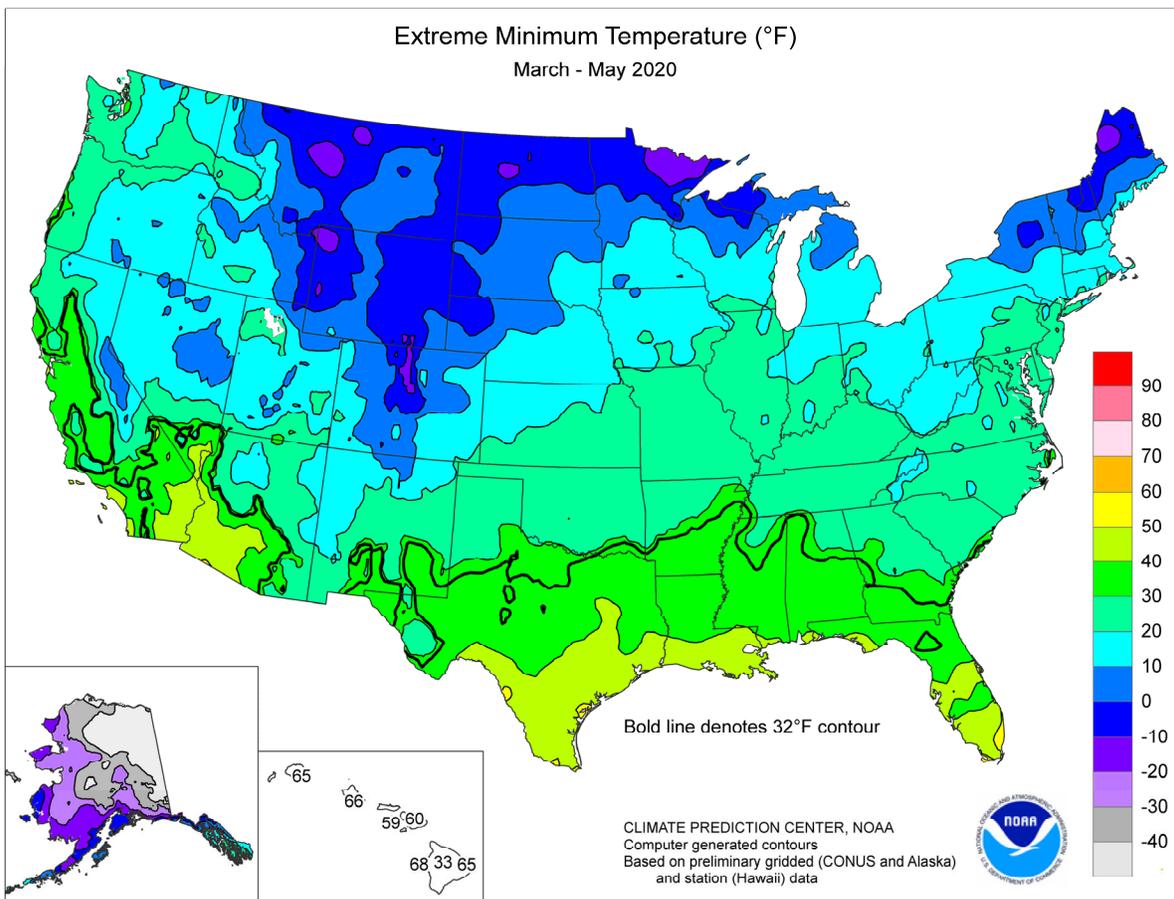
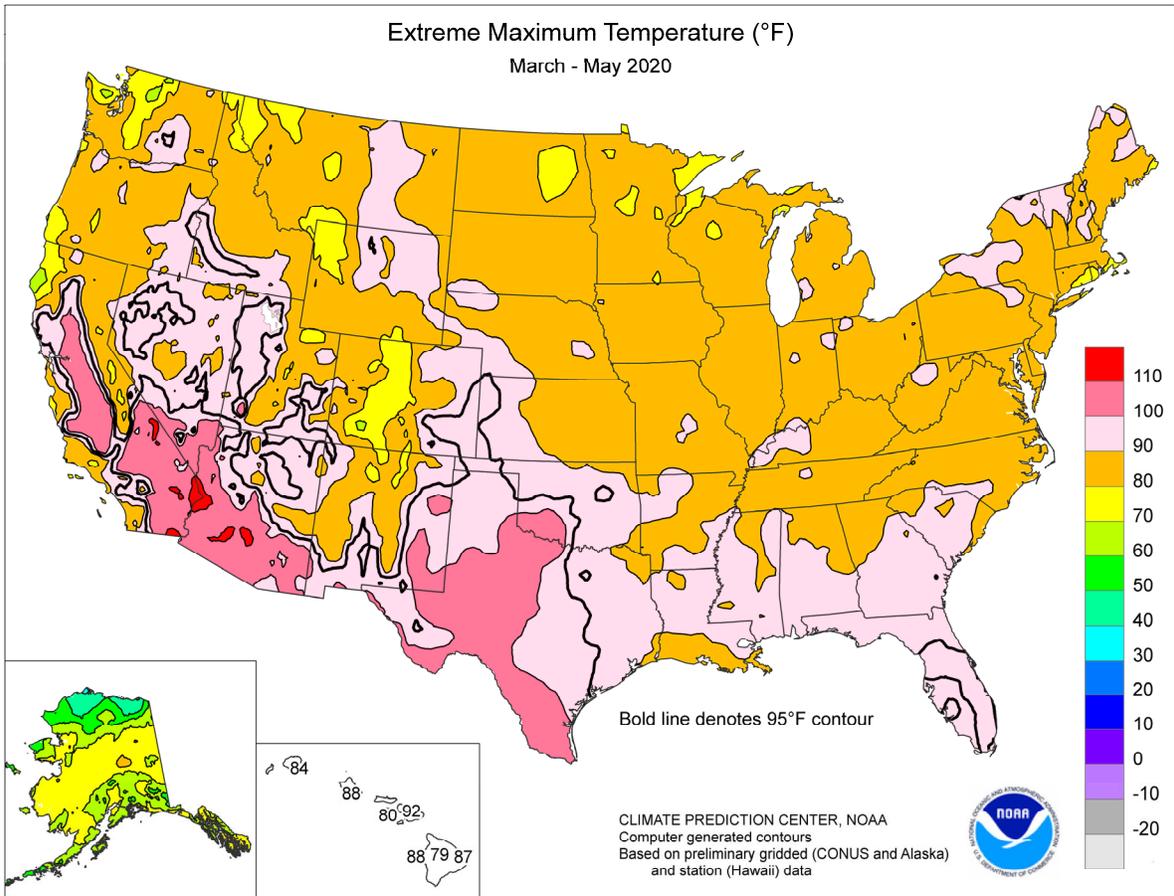
Amid early-season heat, drought also worsened (for much of the month) across the Deep South, including Florida, southern Texas, and areas along the immediate Gulf Coast. However, late-month showers provided some relief, especially in parts of Florida. Meanwhile, frequent downpours and locally severe thunderstorms maintained soggy conditions and perpetuated fieldwork delays across the interior South. By April 26, topsoil moisture was rated 44 to 55 percent surplus in Alabama, Arkansas, Georgia, Mississippi, and Tennessee. Some of the worst outbreaks of severe weather occurred on April 12-13, 19-20, and 22-23, with preliminary reports from the National Weather Service identifying 40 tornado-related fatalities across eight Southern States, including 13 deaths in Mississippi, nine in South Carolina, and eight in Georgia.

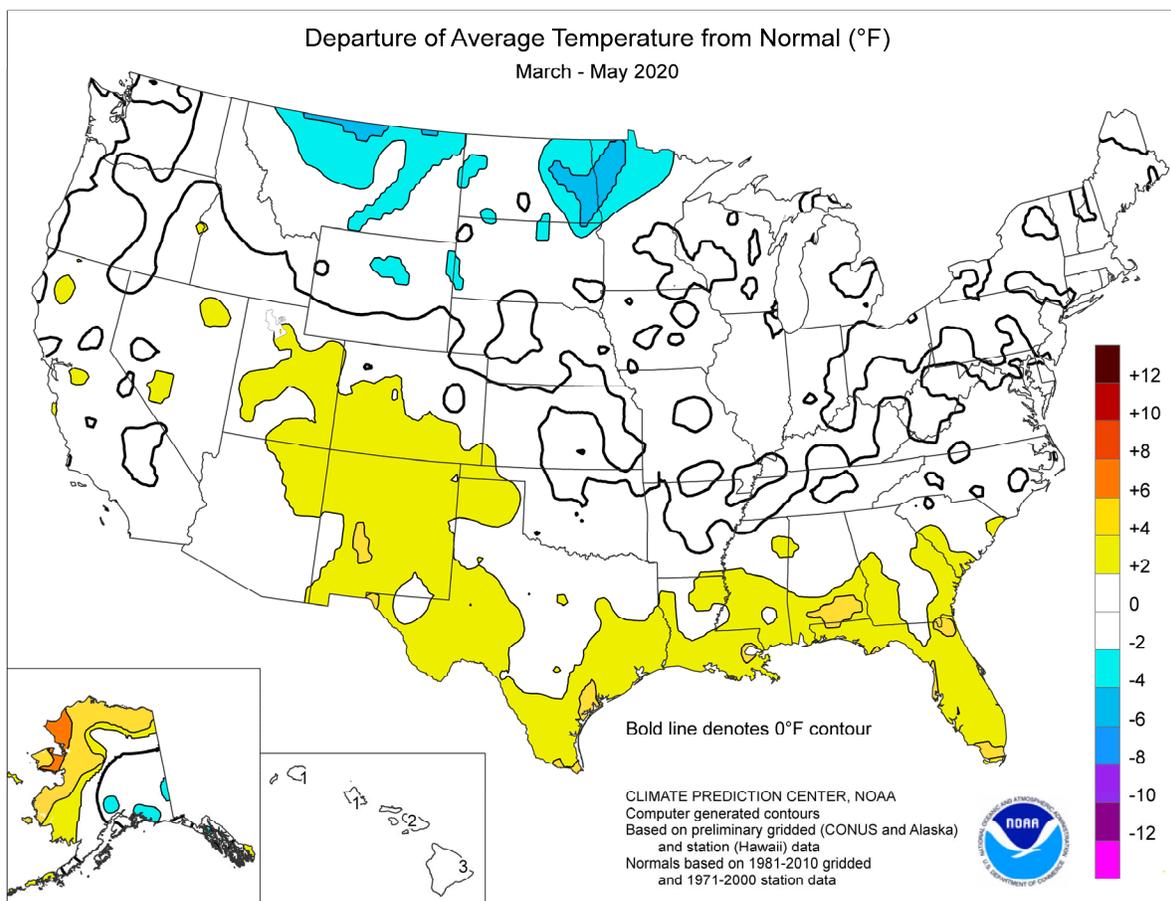
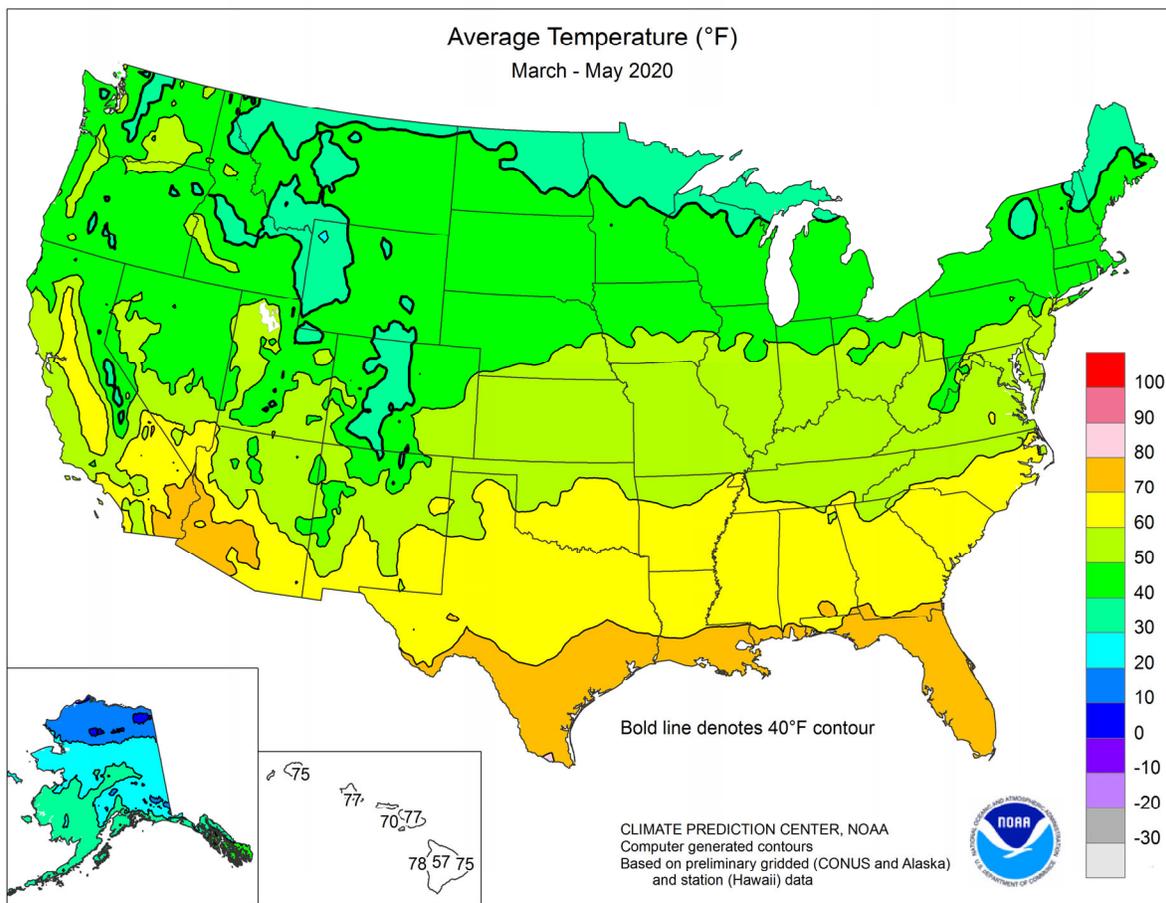
Wetness (and fieldwork delays) extended into the eastern Corn Belt, although some Midwestern areas dried out enough late in the month to support a rapid planting pace. During the 7-day period ending April 26, more than one-third of the intended corn acreage was planted in Minnesota (39 percent) and Iowa (37 percent). In contrast, corn planting had not yet begun on that date in North Dakota and was only 3 percent complete in Michigan and Ohio. On April 26, Ohio led the Midwest with topsoil moisture rated 46 percent surplus.

Farther west, however, pockets of drought persisted across the central and southern High Plains and the Southwest. By late April, topsoil moisture was rated 63 percent very short to short in New Mexico, along with 49 percent in Texas and 47 percent in Colorado. In some instances, poor winter wheat conditions were related to a variety of factors, including poor autumn establishment (due to early cold snaps); drought; and spring freezes. On April 26, Colorado led the nation (among major production states) with winter wheat rated 34 percent very poor to poor, followed by Kansas at 20 percent.

May: A complete summary appeared in the *Weekly Weather and Crop Bulletin* dated June 9, 2020.







National Weather Data for Selected Cities

Spring 2020

Data Provided by Climate Prediction Center

STATES AND STATIONS	TEMP. °F		PRECIP.		STATES AND STATIONS	TEMP. °F		PRECIP.		STATES AND STATIONS	TEMP. °F		PRECIP.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	65	2	24.06	9.43	LEXINGTON	54	-1	15.17	2.24	OK OKLAHOMA CITY	60	-1	10.69	-0.10
HUNTSVILLE	62	0	22.45	7.78	LOUISVILLE	58	0	14.87	1.39	TULSA	61	1	15.59	2.63
MOBILE	69	2	10.14	-5.94	LA BATON ROUGE	71	3	14.33	0.53	OR ASTORIA	49	-1	10.90	-5.06
MONTGOMERY	68	3	14.72	1.25	LAKE CHARLES	71	3	12.04	-0.11	BURNS	45	2	2.68	-0.62
AK ANCHORAGE	37	0	2.91	1.09	NEW ORLEANS	75	5	15.00	1.16	EUGENE	52	1	7.62	-3.45
BARROW	9	6	1.76	1.26	SHREVEPORT	68	2	20.01	6.71	MEDFORD	55	1	3.83	-0.59
FAIRBANKS	32	1	1.76	0.50	ME CARIBOU	38	-1	8.13	-0.31	PENDLETON	52	1	3.87	0.01
JUNEAU	41	0	10.15	0.09	PORTLAND	45	1	10.92	-1.67	PORTLAND	54	1	5.63	-3.20
KODIAK	41	2	7.20	-9.77	MD BALTIMORE	55	2	10.64	-0.41	SALEM	52	1	7.46	-1.55
NOME	29	6	5.24	2.92	MA BOSTON	48	0	10.20	-1.34	PA ALLENTOWN	52	3	10.37	-0.67
AZ PHOENIX	75	2	2.06	0.63	WORCESTER	46	0	12.09	-0.42	ERIE	48	1	10.86	1.19
PRESCOTT	55	1	4.03	1.94	MI ALPENA	41	0	8.49	1.60	MIDDLETOWN	52	0	11.37	1.19
TUCSON	70	3	0.79	-0.57	GRAND RAPIDS	46	-1	11.67	2.00	PHILADELPHIA	54	0	10.05	-0.95
AR FORT SMITH	62	1	18.84	5.21	HOUGHTON LAKE	39	-1	9.80	3.57	PITTSBURGH	50	0	10.67	0.70
LITTLE ROCK	67	-3	8.65	2.14	LANSING	46	0	11.74	3.33	WILKES-BARRE	50	2	8.73	-0.63
CA BAKERSFIELD	65	2	4.46	2.20	MUSKEGON	46	0	14.87	6.51	WILLIAMSPORT	50	1	12.98	3.17
FRESNO	65	2	4.00	0.53	TRAVERSE CITY	43	1	9.20	4.04	RI PROVIDENCE	49	0	13.56	0.64
LOS ANGELES	63	3	6.98	4.17	MN DULUTH	39	0	4.10	-3.03	SC BEAUFORT	69	3	9.35	1.15
REDDING	61	2	11.20	2.55	INT_L FALLS	37	-1	2.80	-2.56	CHARLESTON	67	2	15.11	5.54
SAN DIEGO	65	3	5.98	3.23	MINNEAPOLIS	47	1	8.81	0.91	COLUMBIA	65	1	16.61	7.32
SAN FRANCISCO	58	1	3.02	-3.14	ROCHESTER	45	-1	9.52	0.81	GREENVILLE	61	0	23.87	12.28
STOCKTON	63	3	3.18	-0.92	ST. CLOUD	43	0	4.36	-2.70	SD ABERDEEN	44	0	3.89	-2.22
CO ALAMOSA	48	6	0.54	-1.17	MS JACKSON	67	3	14.90	0.47	HURON	46	0	3.30	-3.57
CO SPRINGS	50	3	3.01	-1.46	MERIDIAN	68	4	18.20	3.46	RAPID CITY	44	-2	2.84	-3.13
DENVER INTL	49	1	3.48	-1.29	TUPELO	64	2	17.13	1.93	SIoux FALLS	47	1	6.43	-1.71
GRAND JUNCTION	55	3	1.85	-0.94	MO COLUMBIA	55	1	13.89	1.52	TN BRISTOL	56	1	17.68	7.15
PUEBLO	54	3	0.74	-3.17	KANSAS CITY	54	0	11.03	-0.25	CHATTANOOGA	62	1	18.98	5.88
CT BRIDGEPORT	50	1	10.46	-1.52	SAINT LOUIS	57	0	14.80	2.91	KNOXVILLE	59	0	17.85	4.94
HARTFORD	49	0	11.58	-0.06	SPRINGFIELD	55	0	23.96	10.91	MEMPHIS	63	0	16.88	0.96
DC WASHINGTON	57	1	11.32	0.85	MT BILLINGS	45	-1	2.55	-2.37	NASHVILLE	60	1	14.33	0.71
DE WILMINGTON	53	0	10.17	-1.19	BUTTE	39	0	2.56	-1.43	TX ABILENE	67	2	6.94	0.40
FL DAYTONA BEACH	72	3	7.09	-2.47	CUT BANK	38	-3	2.39	-0.87	AMARILLO	59	2	2.40	-2.71
JACKSONVILLE	72	4	9.37	0.32	GLASGOW	44	0	3.56	0.33	AUSTIN	70	1	19.44	10.16
KEY WEST	80	3	5.02	-2.08	GREAT FALLS	41	-2	5.02	0.24	BEAUMONT	71	3	13.45	1.52
MIAMI	79	3	21.82	10.37	HAVRE	41	-3	2.38	-0.77	BROWNSVILLE	80	5	2.87	-2.56
ORLANDO	76	4	6.34	-3.53	MISSOULA	45	-1	4.77	0.52	CORPUS CHRISTI	76	3	6.63	-0.17
PENSACOLA	72	5	6.24	-8.09	NE GRAND ISLAND	51	1	11.25	2.51	DEL RIO	76	4	5.76	0.28
TALLAHASSEE	71	4	10.50	-1.95	LINCOLN	51	0	7.14	-1.81	EL PASO	70	5	2.30	1.23
TAMPA	76	4	6.46	-0.68	NORFOLK	49	0	7.94	-0.38	FORT WORTH	67	2	16.31	4.92
WEST PALM BEACH	78	4	12.33	-0.42	NORTH PLATTE	49	1	5.89	-0.73	GALVESTON	75	4	6.23	-4.26
GA ATHENS	64	2	13.86	3.31	OMAHA	52	0	5.84	-3.88	HOUSTON	73	3	12.07	0.31
ATLANTA	64	2	17.17	5.35	SCOTTSBLUFF	48	1	4.87	-0.46	LUBBOCK	63	2	3.93	-0.88
AUGUSTA	66	3	17.35	7.70	VALENTINE	48	1	4.35	-1.85	MIDLAND	69	4	3.62	0.61
COLUMBUS	67	3	16.67	4.09	NV ELY	45	2	3.39	0.32	SAN ANGELO	69	3	7.12	1.35
MACON	66	2	19.33	9.11	LAS VEGAS	70	1	2.04	1.25	SAN ANTONIO	72	3	10.39	1.99
SAVANNAH	70	4	16.33	6.62	RENO	52	0	1.32	-0.45	VICTORIA	75	5	7.80	-2.97
HI HILO	75	2	21.93	-11.15	WINNEMUCCA	49	2	2.18	-0.73	WACO	68	2	17.03	6.89
HONOLULU	77	1	7.01	3.72	NH CONCORD	45	1	8.41	-1.87	WICHITA FALLS	64	2	10.41	1.82
KAHULUI	77	2	4.77	0.00	NJ NEWARK	53	0	9.46	-3.03	UT SALT LAKE CITY	55	3	2.28	-3.46
LIHUE	75	1	10.66	1.74	NM ALBUQUERQUE	60	3	0.92	-0.78	VT BURLINGTON	46	2	6.12	-2.32
ID BOISE	53	1	4.13	0.12	NY ALBANY	49	2	7.49	-2.46	VA LYNCHBURG	57	3	13.99	3.43
LEWISTON	52	1	4.59	0.49	BINGHAMTON	44	0	10.06	0.11	NORFOLK	60	2	12.57	2.15
POCATELLO	47	1	4.53	0.65	BUFFALO	47	1	10.59	1.30	RICHMOND	58	1	9.51	-1.55
IL CHICAGO/O_HARE	50	1	16.69	7.20	ROCHESTER	46	0	6.97	-1.09	ROANOK	57	1	20.75	9.91
MOLINE	51	0	9.82	-0.94	SYRACUSE	47	1	10.35	1.05	WASH/DULLES	54	0	10.22	-1.14
PEORIA	51	-1	13.37	2.63	NC ASHEVILLE	57	2	16.16	5.41	WA OLYMPIA	49	0	7.86	-3.29
ROCKFORD	49	0	11.24	1.57	CHARLOTTE	61	2	17.40	7.23	QUILLAYUTE	47	0	15.22	-8.57
SPRINGFIELD	53	-1	14.22	3.85	GREENSBORO	59	0	16.07	5.50	SEATTLE-TACOMA	52	1	8.20	-0.12
IN EVANSVILLE	56	0	17.14	3.15	HATTERAS	63	4	20.71	8.76	SPOKANE	47	0	4.24	-0.30
FORT WAYNE	49	-1	9.38	-1.07	RALEIGH	61	1	11.70	1.44	YAKIMA	51	2	1.29	-0.47
INDIANAPOLIS	52	0	13.71	1.31	WILMINGTON	64	1	15.54	4.01	WV BECKLEY	51	0	16.15	4.59
SOUTH BEND	48	0	11.09	1.67	ND BISMARCK	43	0	1.41	-3.14	CHARLESTON	55	0	19.38	7.47
IA BURLINGTON	51	-2	8.31	-3.09	DICKINSON	41	0	1.68	-2.83	ELKINS	51	2	13.74	0.88
CEDAR RAPIDS	48	-1	6.65	-2.63	FARGO	40	-3	2.77	-2.67	HUNTINGTON	55	0	15.11	3.10
DES MOINES	51	0	11.01	0.10	GRAND FORKS	37	-4	2.24	-2.47	WI EAU CLAIRE	45	0	8.48	0.56
DUBUQUE	47	0	10.19	-0.07	JAMESTOWN	40	-2	2.63	-2.11	GREEN BAY	44	1	11.52	4.13
SIoux CITY	49	0	6.34	-2.31	AKRON-CANTON	50	2	12.98	2.20	LA CROSSE	49	1	7.81	-1.04
WATERLOO	49	1	9.87	-0.45	CINCINNATI	54	0	15.37	2.57	MADISON	46	0	11.11	2.02
KS CONCORDIA	55	1	5.53	-3.09	CLEVELAND	49	0	16.31	6.30	MILWAUKEE	46	1	12.94	3.76
DODGE CITY	55	1	3.91	-2.33	COLUMBUS	52	-1	18.91	8.35	WY CASPER	43	-1	2.65	-1.50
GOODLAND	51	1	4.28	-1.33	DAYTON	52	1	14.63	2.54	CHEYENNE	44	0	3.04	-2.16
TOPEKA	55	0	12.91	1.96	MANSFIELD	50	2	12.12	0.01	LANDER	44	0	2.62	-2.63
WICHITA	57	1	10.34	0.50	TOLEDO	50	1	10.02	0.83	SHERIDAN	43	-1	2.50	-2.44
KY JACKSON	57	1	19.12	6.81	YOUNGSTOWN	49	1	11.55	1.52					

National Agricultural Summary

June 15 - 21, 2020

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Warmer-than-normal weather prevailed for most of the Great Lakes, the Great Plains, the upper Mississippi Valley, and New England. The central and northern Great Plains and New England experienced temperatures 3°F or more above normal. In contrast, the lower Mississippi Valley, the Southeast, the mid Atlantic, and states west of the Rocky Mountains saw below-normal temperatures. Large parts of the

Carolinas and southern Virginia noted temperatures 6°F or more below normal. Meanwhile, the nation remained relatively dry, except higher-than-normal amounts of precipitation in pockets of the Great Plains, mid Atlantic, Pacific Northwest, and northern Rockies. The highest amounts of precipitation were seen in parts of North Carolina and Virginia, where 5 inches or more of rain fell.

Corn: By June 21, two percent of the nation's corn acreage had reached the silking stage, one percentage point ahead of last year but equal to the 5-year average. In Texas, 55 percent of the corn acreage had reached the silking stage by week's end, 4 percentage points ahead of last year and 5 points ahead of average. On June 21, seventy-two percent of the nation's corn acreage was rated in good to excellent condition, 1 percentage point above the previous week and 16 points above the same time last year. In Iowa, 85 percent of the 2020 corn acreage was rated in good to excellent condition on June 21.

Soybean: Ninety-six percent of the nation's soybean acreage was planted by June 21, thirteen percentage points ahead of last year and 3 points ahead of the 5-year average. Eighty-nine percent of the nation's soybean acreage had emerged by June 21, twenty-three percentage points ahead of last year and 4 points ahead of average. By June 21, five percent of the nation's soybean acreage had reached the blooming stage, 4 percentage points ahead of last year but equal to the average. On June 21, seventy percent of the nation's soybean acreage was rated in good to excellent condition, 2 percentage points below the previous week but 16 points above the same time last year.

Winter Wheat: By June 21, ninety-six percent of the nation's winter wheat acreage was headed, 3 percentage points ahead of last year but 1 point behind the 5-year average. Twenty-nine percent of the 2020 winter wheat acreage had been harvested by June 21, sixteen percentage points ahead of last year and 3 points ahead of the 5-year average. As of June 21, fifty-two percent of the 2020 winter wheat acreage was reported in good to excellent condition, 2 percentage points above the previous week but 9 points below the same time last year. In Kansas, the largest winter wheat-producing state, 44 percent of the winter wheat acreage was rated in good to excellent condition.

Cotton: Nationwide, 96 percent of the cotton acreage was planted by June 21, two percentage points ahead of last year but equal to the 5-year average. In Texas, 95 percent of the 2020 cotton acreage was planted by June 21, three percentage points ahead of last year and 2 points ahead of the 5-year average. Twenty-seven percent of the nation's cotton acreage had reached the squaring stage by June 21, equal to last year but 1 point ahead of average. By June 21, six percent of the nation's cotton acreage had begun setting bolls, 4 percentage points ahead of last year and 2 points ahead of average. On June 21, forty percent of the 2020 cotton acreage was rated in good to excellent condition, 3 percentage points below the previous week and 10 points below the same time last year.

Sorghum: Ninety-one percent of the nation's sorghum acreage was planted by June 21, eleven percentage points ahead of the previous year and 4 points ahead of the 5-year average. By June 21, eighteen percent of the nation's sorghum acreage had reached the headed stage, 2 percentage points ahead of last year but equal to the average. Fifty-

four percent of Texas' sorghum acreage had reached the headed stage by June 21, two percentage points ahead of last year and 4 points ahead of average. Forty-seven percent of the nation's sorghum acreage was rated in good to excellent condition on June 21, one percentage point below the previous week and 25 points below the same time last year.

Rice: By June 21, ninety-six percent of the nation's rice acreage had emerged, equal to last year but 3 percentage points behind the 5-year average. By June 21, nine percent of the nation's rice acreage had reached the headed stage, 5 percentage points ahead of the previous year and 3 points ahead of average. On June 21, seventy-three percent of the nation's rice acreage was rated in good to excellent condition, 2 percentage points above the previous week and 7 points above the same time last year.

Small Grains: Fifty-eight percent of the nation's oat acreage had headed by June 21, eighteen percentage points ahead of last year but 3 points behind the 5-year average. On June 21, sixty-five percent of the nation's oat acreage was rated in good to excellent condition, 1 percentage point below the previous week but 1 point above the same time last year.

Ninety-seven percent of the nation's barley acreage had emerged by June 21, one percentage point ahead of the previous year but 1 point behind the 5-year average. Nineteen percent of the barley acreage had reached the headed stage by June 21, twelve percentage points ahead of last year but 4 points behind the average. On June 21, seventy-five percent of the nation's barley acreage was rated in good to excellent condition, 2 percentage points below the previous week but 3 points above the same time last year.

By June 21, twelve percent of the nation's spring wheat crop had reached the headed stage, 6 percentage points ahead of the previous year but 10 points behind the 5-year average. Seventy-five percent of the nation's spring wheat was rated in good to excellent condition, 6 percentage points below the previous week but equal to the same time last year.

Other Acreages: By June 21, twenty-six percent of the nation's peanut crop had reached the pegging stage, 3 percentage points behind the previous year but 4 points ahead of the 5-year average. On June 21, sixty-four percent of the nation's peanut acreage was rated in good to excellent condition, 1 percentage point below the previous week, and 3 points below the same time last year.

Eighty-nine percent of the nation's intended 2020 sunflower acreage had been planted by June 21, nine percentage points ahead of last year and 3 points ahead of the 5-year average. By week's end, ninety percent of South Dakota's sunflower acreage had been planted, 15 percentage points ahead of last year and 9 points ahead of average.

Crop Progress and Condition

Week Ending June 21, 2020

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

Soybeans Percent Planted				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AR	86	86	93	94
IL	76	94	97	92
IN	72	94	98	92
IA	93	99	99	97
KS	81	89	95	87
KY	78	74	86	85
LA	99	98	100	99
MI	64	95	100	90
MN	97	99	100	99
MS	95	95	97	97
MO	63	78	89	79
NE	95	100	100	98
NC	80	77	80	82
ND	97	90	95	99
OH	60	93	98	90
SD	80	98	100	95
TN	89	75	86	87
WI	85	96	99	96
18 Sts	83	93	96	93
These 18 States planted 96% of last year's soybean acreage.				

Soybeans Percent Emerged				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AR	76	75	85	88
IL	62	84	92	86
IN	51	85	92	82
IA	76	93	96	91
KS	61	73	86	71
KY	62	62	73	69
LA	97	91	97	97
MI	44	84	92	81
MN	82	98	99	95
MS	85	91	94	92
MO	47	59	74	69
NE	82	94	96	92
NC	68	65	75	70
ND	87	59	79	93
OH	40	77	85	81
SD	51	86	94	86
TN	77	58	70	73
WI	62	87	93	87
18 Sts	66	81	89	85
These 18 States planted 96% of last year's soybean acreage.				

Soybeans Percent Blooming				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AR	19	14	24	37
IL	0	NA	2	4
IN	0	NA	1	1
IA	0	NA	1	1
KS	0	NA	1	1
KY	1	NA	7	1
LA	35	46	55	54
MI	0	NA	0	0
MN	0	NA	1	0
MS	29	25	40	40
MO	0	NA	1	2
NE	0	4	16	3
NC	1	NA	1	2
ND	0	NA	0	2
OH	0	NA	1	1
SD	0	NA	2	1
TN	4	NA	2	4
WI	0	NA	0	0
18 Sts	1	NA	5	5
These 18 States planted 96% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	1	2	31	50	16
IL	3	5	32	51	9
IN	3	7	31	49	10
IA	0	1	15	69	15
KS	1	3	28	62	6
KY	1	2	14	69	14
LA	0	4	23	69	4
MI	2	7	34	47	10
MN	0	2	17	60	21
MS	0	7	37	44	12
MO	1	4	32	57	6
NE	1	3	19	61	16
NC	2	6	31	55	6
ND	0	3	27	64	6
OH	2	6	35	49	8
SD	1	1	17	69	12
TN	1	3	22	58	16
WI	1	2	15	52	30
18 Sts	1	4	25	58	12
Prev Wk	1	3	24	60	12
Prev Yr	2	8	36	47	7

Corn Percent Silking				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
CO	0	NA	0	0
IL	0	NA	0	1
IN	0	NA	0	1
IA	0	NA	0	0
KS	2	1	3	6
KY	7	NA	2	7
MI	0	NA	0	0
MN	0	NA	0	0
MO	0	NA	4	4
NE	0	0	0	0
NC	31	12	26	37
ND	0	NA	0	1
OH	0	NA	0	0
PA	0	NA	0	0
SD	0	NA	0	0
TN	23	2	5	16
TX	51	53	55	50
WI	0	NA	0	0
18 Sts	1	NA	2	2
These 18 States planted 91% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	4	15	47	28	6
IL	3	6	32	48	11
IN	3	9	30	49	9
IA	0	1	14	69	16
KS	2	8	36	48	6
KY	1	2	12	77	8
MI	2	7	33	48	10
MN	0	2	13	59	26
MO	1	5	24	58	12
NE	1	4	21	56	18
NC	4	11	24	47	14
ND	1	2	28	60	9
OH	2	7	35	48	8
PA	0	0	12	66	22
SD	1	1	16	69	13
TN	1	4	22	55	18
TX	2	11	32	44	11
WI	1	3	16	51	29
18 Sts	1	4	23	57	15
Prev Wk	1	4	24	56	15
Prev Yr	3	9	32	48	8

Crop Progress and Condition

Week Ending June 21, 2020

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

Cotton Percent Planted				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AL	99	98	99	98
AZ	100	100	100	100
AR	100	100	100	100
CA	100	100	100	100
GA	97	96	99	98
KS	96	97	99	87
LA	100	100	100	100
MS	96	95	97	98
MO	88	82	90	98
NC	98	92	96	98
OK	83	60	87	90
SC	100	90	94	98
TN	100	93	96	100
TX	92	87	95	93
VA	100	93	96	99
15 Sts	94	89	96	96
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Squaring				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AL	41	12	30	36
AZ	37	69	75	47
AR	60	11	49	63
CA	32	25	35	39
GA	39	24	39	34
KS	1	5	12	7
LA	30	26	45	53
MS	14	5	17	30
MO	9	0	4	28
NC	32	8	17	27
OK	11	1	5	10
SC	37	14	20	23
TN	33	12	17	31
TX	24	18	27	20
VA	23	16	28	32
15 Sts	27	16	27	26
These 15 States planted 99% of last year's cotton acreage.				

Cotton Percent Setting Bolls				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AL	0	NA	0	0
AZ	7	12	15	11
AR	1	0	0	3
CA	0	NA	0	0
GA	1	NA	1	1
KS	0	NA	0	0
LA	0	0	6	4
MS	1	0	1	1
MO	0	NA	0	0
NC	0	NA	0	0
OK	0	NA	0	0
SC	1	NA	0	0
TN	0	0	0	0
TX	3	7	10	5
VA	0	NA	0	0
15 Sts	2	NA	6	4
These 15 States planted 99% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	0	2	16	76	6
AZ	0	1	7	63	29
AR	0	1	22	50	27
CA	0	0	35	30	35
GA	1	3	24	63	9
KS	1	7	44	44	4
LA	0	0	23	76	1
MS	1	2	31	53	13
MO	15	15	39	31	0
NC	3	12	32	46	7
OK	0	1	68	31	0
SC	15	11	24	42	8
TN	5	9	26	51	9
TX	11	29	37	18	5
VA	0	1	1	97	1
15 Sts	7	18	35	33	7
Prev Wk	3	14	40	36	7
Prev Yr	4	13	33	45	5

Peanuts Percent Pegging				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AL	41	3	12	26
FL	35	9	32	24
GA	37	20	40	29
NC	7	1	5	8
OK	1	4	6	4
SC	32	13	27	23
TX	0	0	0	6
VA	10	1	6	5
8 Sts	29	12	26	22
These 8 States planted 96% of last year's peanut acreage.				

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	0	20	73	7
FL	1	4	47	46	2
GA	2	8	26	58	6
NC	2	8	26	55	9
OK	0	0	18	81	1
SC	7	6	15	63	9
TX	1	16	24	59	0
VA	0	1	1	97	1
8 Sts	2	8	26	59	5
Prev Wk	1	9	25	61	4
Prev Yr	1	4	28	62	5

Spring Wheat Percent Headed				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
ID	14	20	30	31
MN	10	2	12	29
MT	0	1	5	8
ND	2	1	6	18
SD	9	20	45	48
WA	49	29	59	58
6 Sts	6	4	12	22
These 6 States planted 100% of last year's spring wheat acreage.				

Spring Wheat Condition by Percent					
	VP	P	F	G	EX
ID	0	2	26	56	16
MN	2	2	15	70	11
MT	0	1	14	79	6
ND	1	4	26	63	6
SD	1	3	19	72	5
WA	0	5	11	63	21
6 Sts	1	3	21	68	7
Prev Wk	0	2	17	73	8
Prev Yr	0	3	22	67	8

Crop Progress and Condition

Week Ending June 21, 2020

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

Sorghum Percent Planted				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
CO	86	68	87	89
KS	71	73	88	82
NE	88	97	100	95
OK	59	52	77	74
SD	85	87	98	89
TX	95	93	96	95
6 Sts	80	79	91	87
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Percent Headed				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
CO	0	0	0	0
KS	1	3	4	2
NE	4	1	2	1
OK	4	0	0	2
SD	0	0	0	1
TX	52	50	54	50
6 Sts	16	16	18	18
These 6 States planted 100% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
CO	1	5	62	28	4
KS	2	6	44	45	3
NE	0	2	18	73	7
OK	0	5	40	55	0
SD	0	0	15	81	4
TX	2	24	35	30	9
6 Sts	2	11	40	42	5
Prev Wk	2	8	42	43	5
Prev Yr	0	3	25	61	11

Rice Percent Emerged				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AR	95	92	96	99
CA	98	90	90	97
LA	100	100	100	100
MS	96	97	98	99
MO	90	87	97	96
TX	98	98	100	98
6 Sts	96	93	96	99
These 6 States planted 100% of last year's rice acreage.				

Rice Percent Headed				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AR	0	0	0	0
CA	0	0	10	3
LA	25	21	33	28
MS	5	0	3	9
MO	0	0	0	0
TX	6	16	23	15
6 Sts	4	4	9	6
These 6 States planted 100% of last year's rice acreage.				

Rice Condition by Percent					
	VP	P	F	G	EX
AR	0	4	32	47	17
CA	0	0	0	80	20
LA	0	1	13	76	10
MS	0	6	40	46	8
MO	1	7	38	35	19
TX	0	0	36	52	12
6 Sts	0	3	24	57	16
Prev Wk	0	3	26	57	14
Prev Yr	1	6	27	52	14

Winter Wheat Percent Headed				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AR	100	100	100	100
CA	100	100	100	100
CO	94	92	97	98
ID	85	58	92	87
IL	99	97	100	100
IN	95	96	100	98
KS	98	99	100	100
MI	75	71	80	89
MO	100	100	100	100
MT	37	28	55	72
NE	91	85	96	98
NC	100	100	100	100
OH	95	100	100	98
OK	100	100	100	100
OR	99	96	98	99
SD	72	79	93	90
TX	100	100	100	100
WA	94	88	96	96
18 Sts	93	91	96	97
These 18 States planted 91% of last year's winter wheat acreage.				

Winter Wheat Percent Harvested				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
AR	74	50	79	84
CA	51	35	55	51
CO	0	0	7	1
ID	0	0	0	0
IL	12	3	26	37
IN	8	3	13	16
KS	4	9	25	24
MI	0	0	0	0
MO	16	14	41	41
MT	0	0	0	0
NE	0	0	0	0
NC	56	35	52	65
OH	0	0	0	2
OK	35	40	85	65
OR	0	0	0	0
SD	0	0	0	0
TX	53	68	85	66
WA	0	0	0	0
18 Sts	13	15	29	26
These 18 States harvested 92% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	1	5	48	38	8
CA	0	10	25	45	20
CO	14	23	34	27	2
ID	0	4	24	49	23
IL	6	8	21	54	11
IN	1	7	29	53	10
KS	7	16	33	38	6
MI	2	6	31	50	11
MO	1	9	45	41	4
MT	1	2	12	40	45
NE	3	10	25	58	4
NC	1	6	20	54	19
OH	2	5	29	55	9
OK	4	3	43	48	2
OR	2	13	32	39	14
SD	1	3	16	67	13
TX	7	21	38	31	3
WA	0	2	12	63	23
18 Sts	5	12	31	43	9
Prev Wk	7	12	31	41	9
Prev Yr	3	8	28	46	15

Crop Progress and Condition

Week Ending June 21, 2020

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

Barley Percent Emerged				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
ID	97	97	98	98
MN	100	99	100	99
MT	93	97	98	97
ND	97	85	93	99
WA	95	93	96	97
5 Sts	96	94	97	98
These 5 States planted 81% of last year's barley acreage.				

Barley Percent Headed				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
ID	17	29	43	35
MN	13	12	20	28
MT	1	1	6	15
ND	1	0	4	17
WA	39	46	75	51
5 Sts	7	11	19	23
These 5 States planted 81% of last year's barley acreage.				

Barley Condition by Percent					
	VP	P	F	G	EX
ID	0	2	40	48	10
MN	1	3	16	70	10
MT	0	3	12	73	12
ND	1	3	21	69	6
WA	0	6	9	64	21
5 Sts	0	3	22	65	10
Prev Wk	0	2	21	67	10
Prev Yr	1	4	23	64	8

Oats Percent Headed				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
IA	53	42	71	72
MN	25	32	49	42
NE	50	69	84	78
ND	2	0	6	19
OH	29	44	75	63
PA	51	11	34	57
SD	12	22	53	59
TX	94	100	100	99
WI	16	18	40	40
9 Sts	40	42	58	61
These 9 States planted 71% of last year's oat acreage.				

Sunflowers Percent Planted				
	Prev Year	Prev Week	Jun 21 2020	5-Yr Avg
CO	68	78	86	69
KS	69	66	78	71
ND	90	79	89	96
SD	75	72	90	81
4 Sts	80	75	89	86
These 4 States planted 87% of last year's sunflower acreage.				

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

NA - Not Available
* Revised

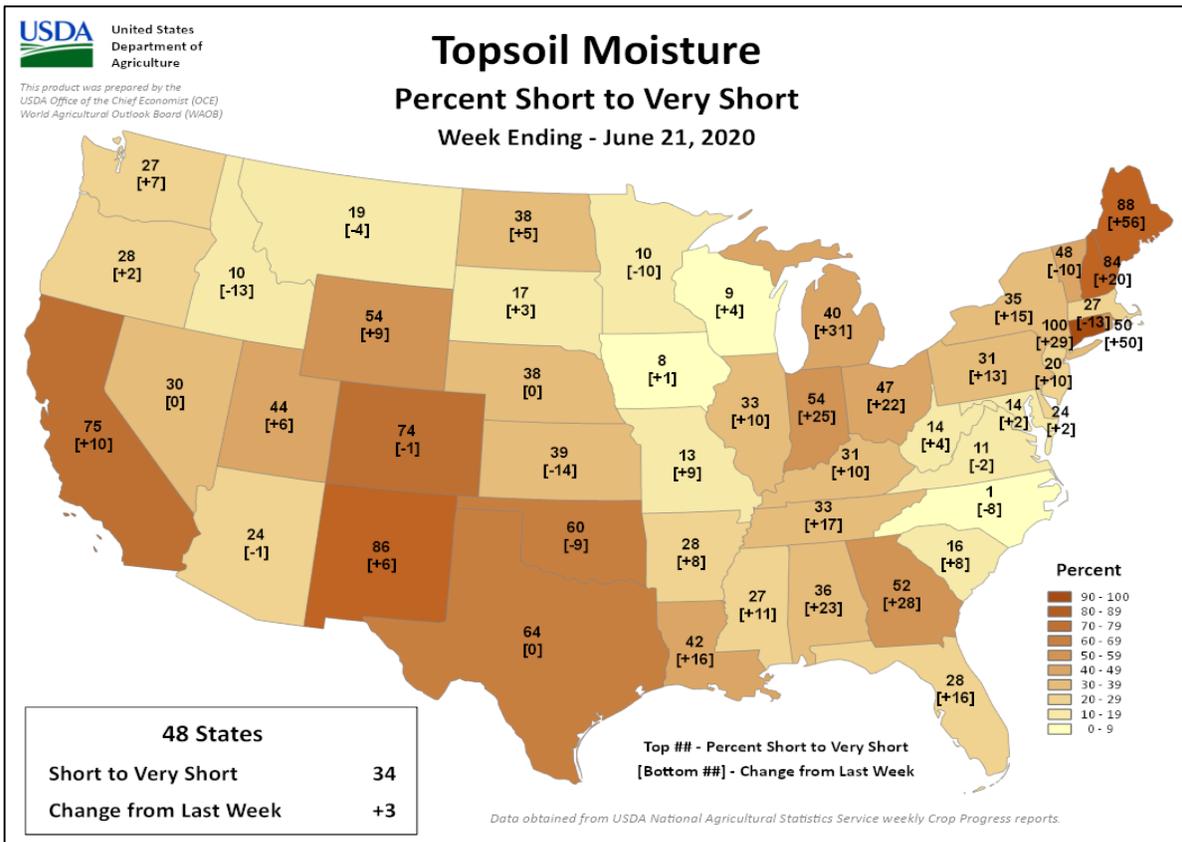
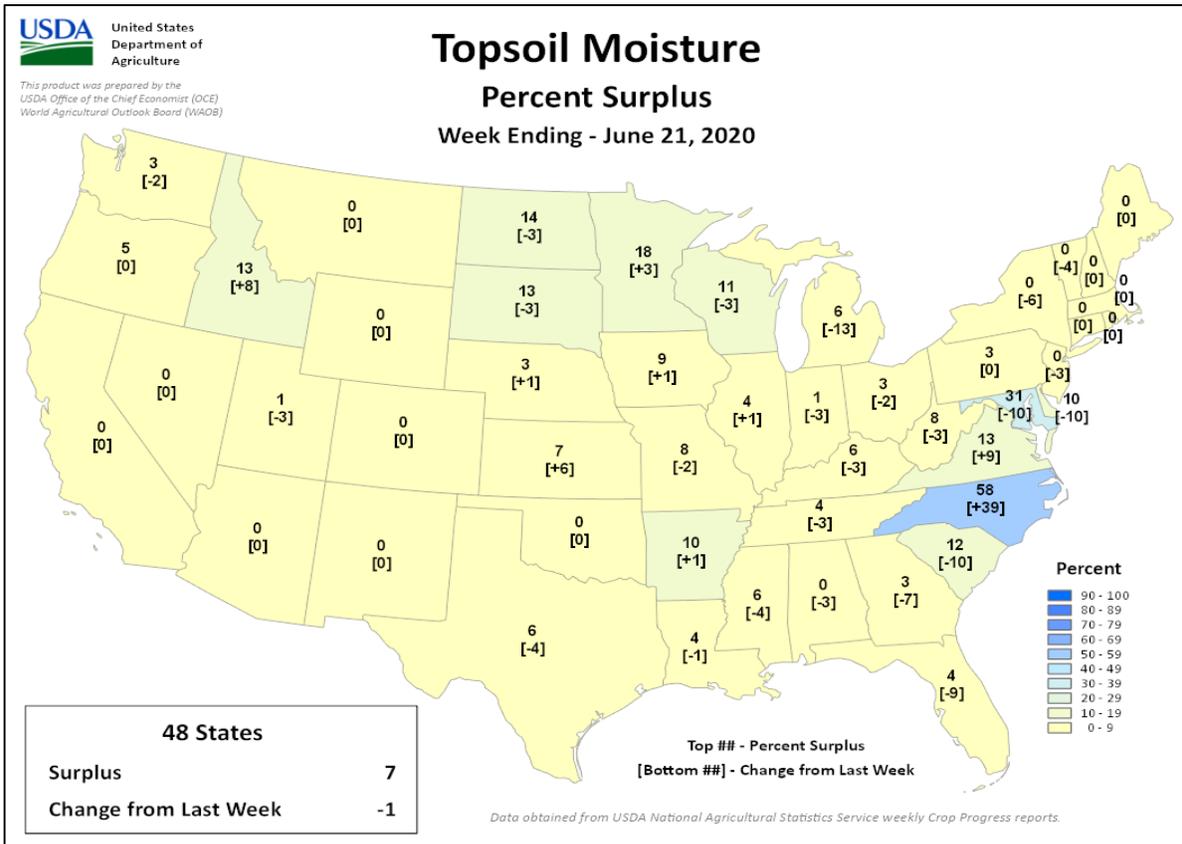
Oat Condition by Percent					
	VP	P	F	G	EX
IA	0	1	16	71	12
MN	1	3	25	56	15
NE	1	4	31	57	7
ND	2	6	30	58	4
OH	1	2	17	70	10
PA	0	3	28	55	14
SD	1	1	19	71	8
TX	5	17	40	35	3
WI	1	2	16	54	27
9 Sts	2	6	27	55	10
Prev Wk	1	7	26	56	10
Prev Yr	2	5	29	56	8

Pasture and Range Condition by Percent											
Week Ending Jun 21, 2020											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	0	3	22	66	9	NH	6	21	39	34	0
AZ	4	15	39	41	1	NJ	0	2	16	81	1
AR	1	5	32	43	19	NM	24	35	36	5	0
CA	25	30	15	30	0	NY	1	5	20	56	18
CO	32	16	26	26	0	NC	1	4	22	68	5
CT	0	0	50	50	0	ND	4	11	33	48	4
DE	1	2	37	36	24	OH	1	5	24	61	9
FL	1	4	21	49	25	OK	8	13	39	38	2
GA	2	7	30	55	6	OR	2	25	39	32	2
ID	0	2	15	63	20	PA	1	7	21	54	17
IL	2	4	29	54	11	RI	0	0	0	100	0
IN	3	9	35	45	8	SC	1	2	23	70	4
IA	0	4	26	54	16	SD	2	7	32	42	17
KS	3	13	34	47	3	TN	1	6	28	55	10
KY	2	6	19	60	13	TX	11	21	40	25	3
LA	0	6	33	51	10	UT	3	9	40	47	1
ME	2	36	40	22	0	VT	0	0	9	36	55
MD	2	4	29	61	4	VA	0	3	20	61	16
MA	0	20	60	20	0	WA	11	11	21	49	8
MI	1	11	25	50	13	WV	0	14	38	41	7
MN	2	8	26	53	11	WI	1	3	17	50	29
MS	1	5	30	57	7	WY	3	12	40	45	0
MO	1	2	26	59	12	48 Sts	9	16	32	38	5
MT	4	16	18	50	12	Prev Wk	8	14	33	39	6
NE	3	6	20	66	5	Prev Yr	2	6	24	54	14
NV	5	10	40	40	5						

Crop Progress and Condition

Week Ending June 21, 2020

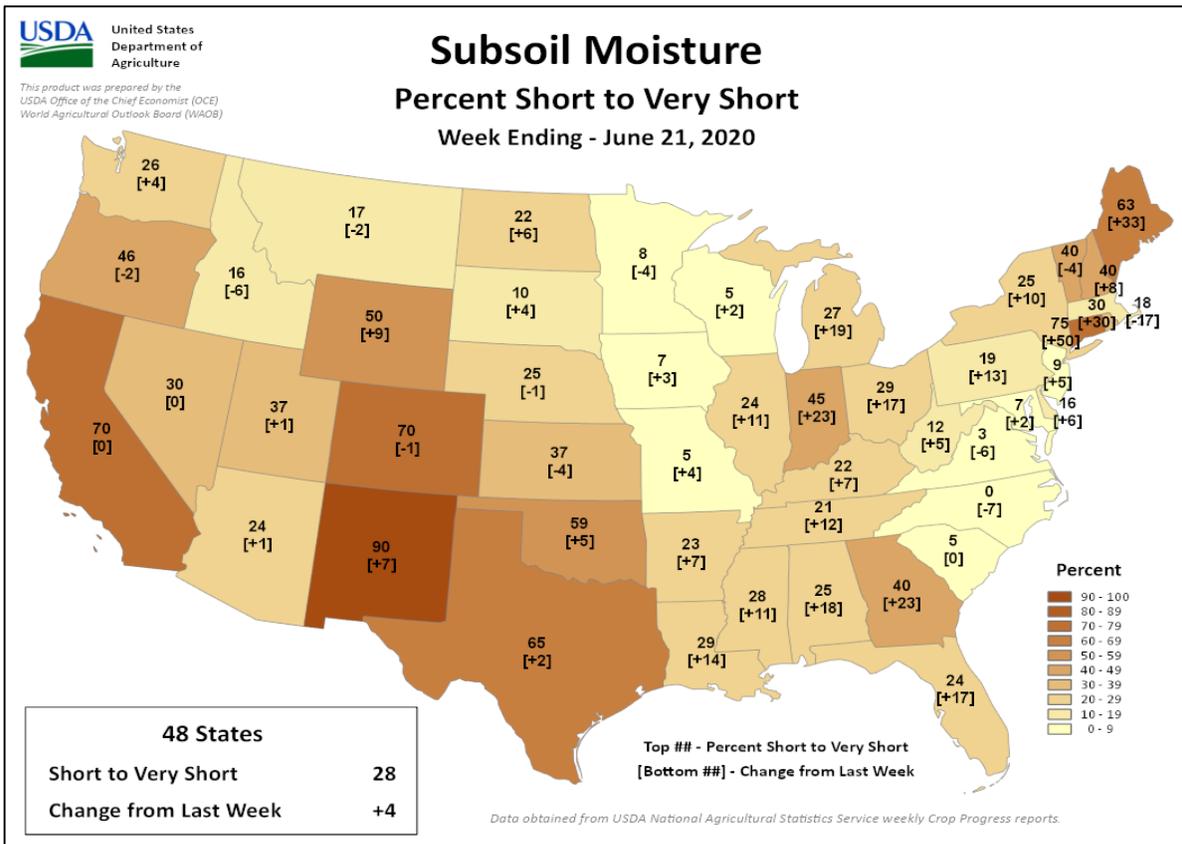
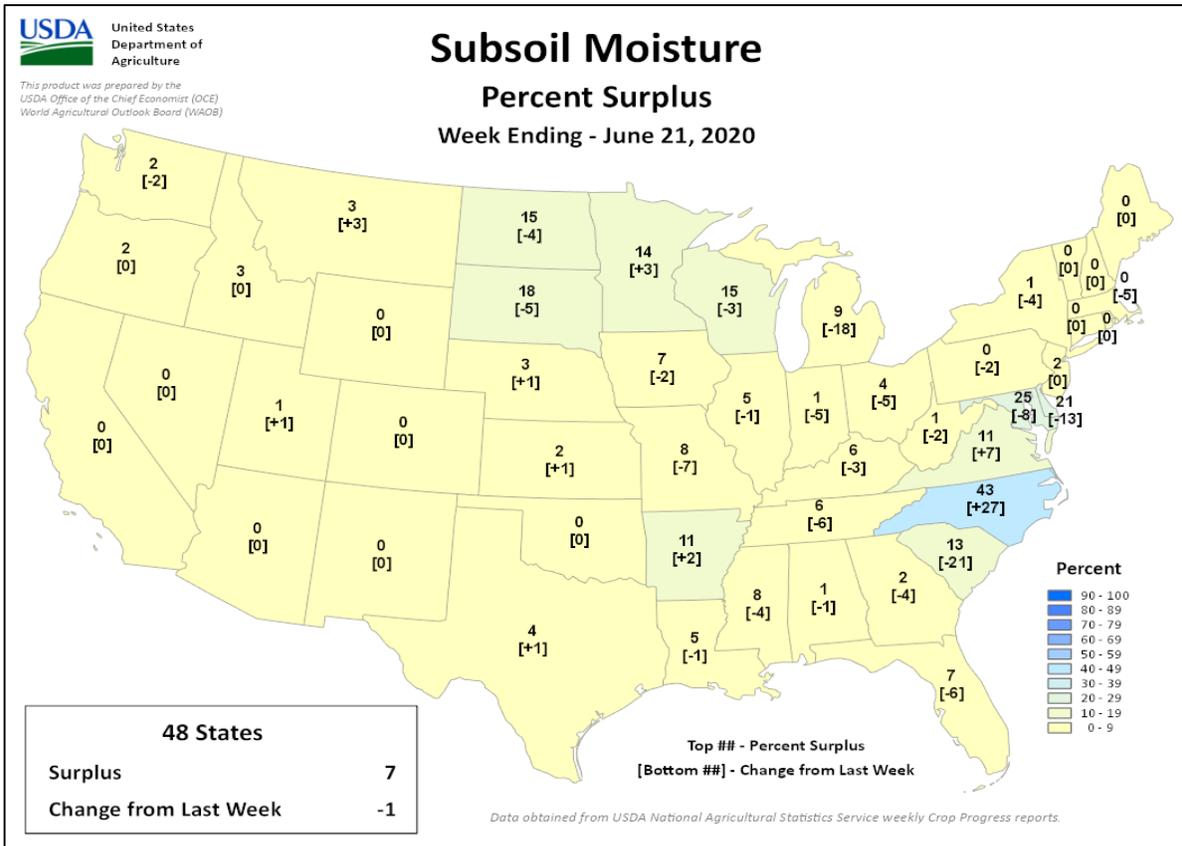
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending June 21, 2020

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



International Weather and Crop Summary

June 14-20, 2020

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

HIGHLIGHTS

EUROPE: Widespread showers continued, maintaining or improving moisture supplies for later-developing winter crops as well as vegetative spring grains and summer crops.

WESTERN FSU: A warm but humid air mass led to additional beneficial showers for later-developing winter crops as well as vegetative corn, sunflowers, and soybeans.

EASTERN FSU: Cooler but dry weather favored spring grain establishment in western portions of the region, while showers eased short-term drought in eastern growing areas.

MIDDLE EAST: Persistent showers in central and northern Turkey favored vegetative summer crops, while warm, dry conditions elsewhere promoted winter grain harvesting and other seasonal fieldwork.

SOUTH ASIA: Monsoon rainfall moved into western cotton and oilseed areas of India, boosting soil moisture and encouraging sowing.

EASTERN ASIA: Showers throughout southern China and portions of the northeast benefited vegetative summer crops.

SOUTHEAST ASIA: Widespread monsoon showers in Thailand and environs encouraged rice sowing following a poor start to the wet season.

AUSTRALIA: Showers overspread most of the wheat belt, aiding wheat, barley, and canola establishment.

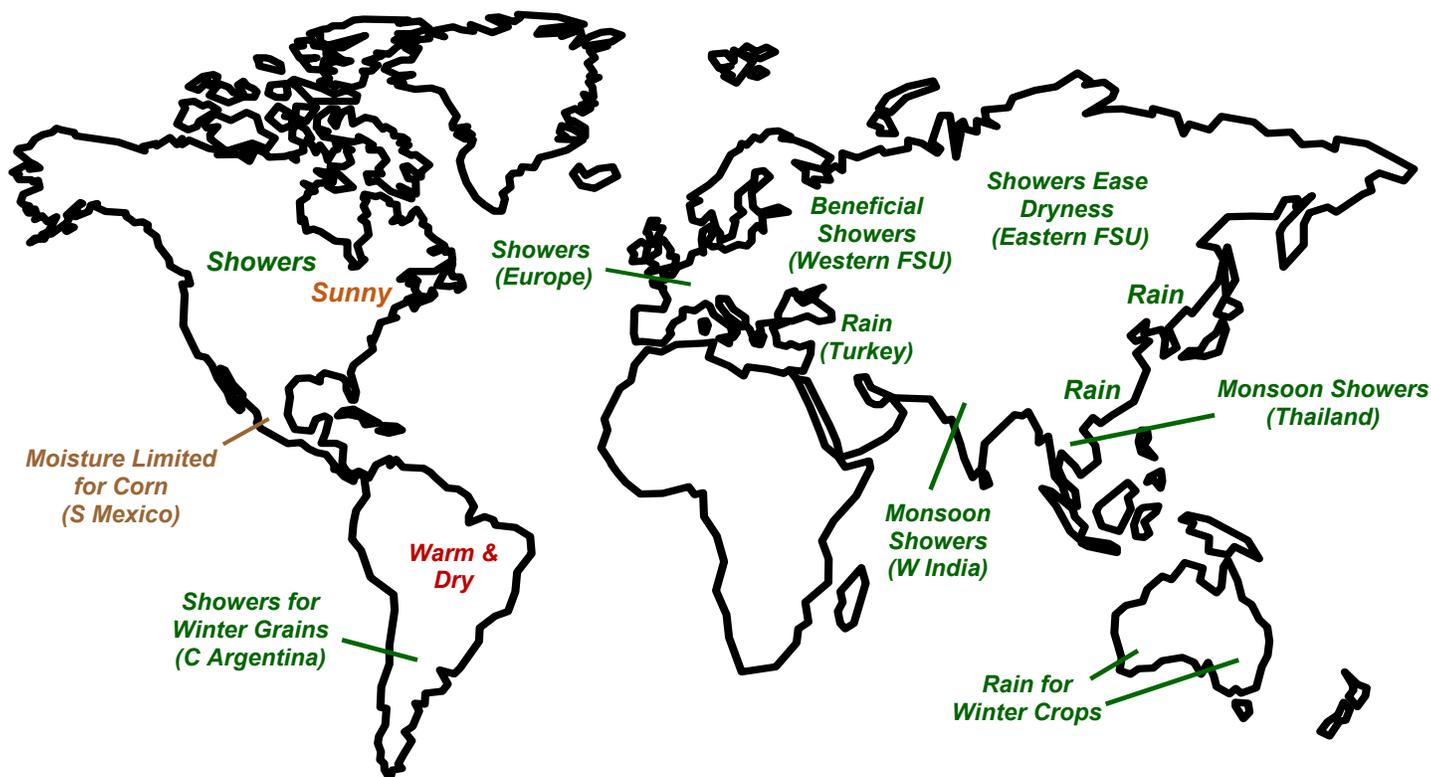
ARGENTINA: Showers benefited emerging winter grains in central Argentina.

BRAZIL: Warm, dry weather spurred rapid growth of corn and cotton.

MEXICO: Showers tapered off across the southern plateau, where moisture remained limited for corn and other rainfed summer crops.

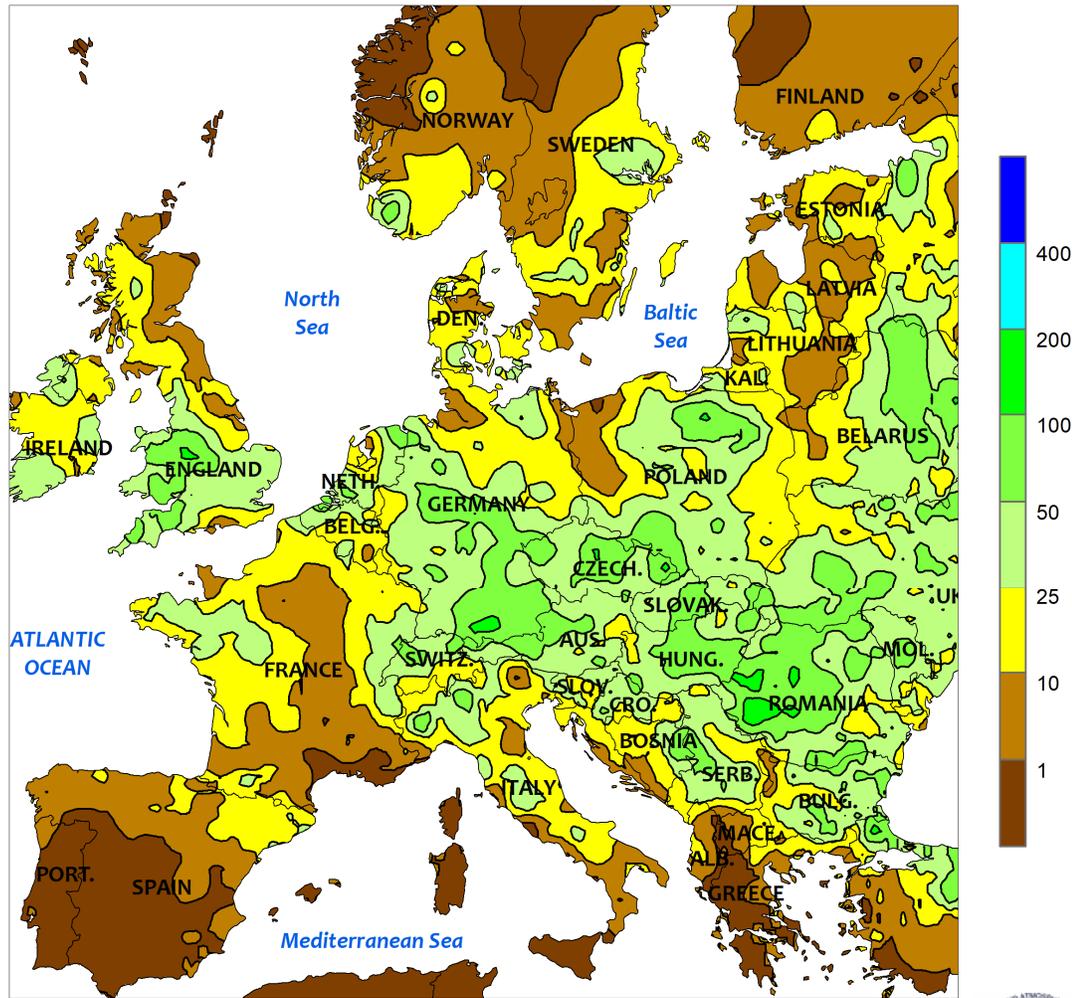
CANADIAN PRAIRIES: Mild, showery weather maintained mostly favorable conditions for spring crops.

SOUTHEASTERN CANADA: Warm, sunny weather advanced development of summer crops and winter wheat.



EUROPE

Total Precipitation (mm)
June 14 - 20, 2020



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

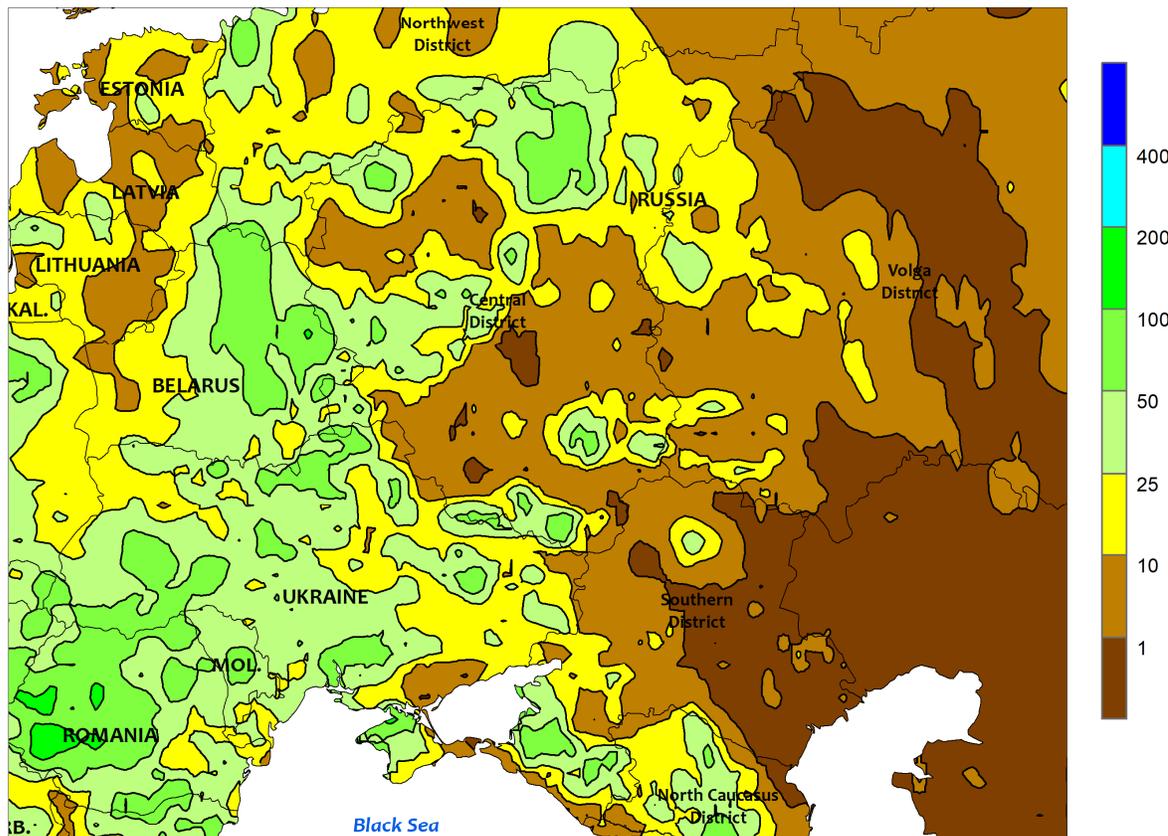


EUROPE

Widespread showers continued over most of the continent, with cooler-than-normal conditions over southern and western growing areas contrasting with above-normal temperatures in the northeast. A stationary area of high pressure well east of Europe prevented storms from exiting the region for a second consecutive week, netting most growing areas an additional 10 to 100 mm of rain (locally more). The moisture was beneficial for later-developing winter crops over eastern Europe and boosted early season summer crop yield prospects from France into Poland and the Balkans. Furthermore, appreciable rainfall (more than 25 mm) finally arrived in southern England, easing

drought and providing moisture for spring grains planted in lieu of drought-afflicted winter crops. Rain also erased the last vestiges of spring drought in Hungary, benefiting later-developing winter crops as well as vegetative corn and sunflowers. Despite the overall wet weather pattern, sunny skies in Spain promoted winter grain drydown and harvesting as well as summer crop development. Temperatures averaged 1 to 3°C below normal over much of western and southern Europe (as much as 5°C below normal in Spain), while readings up to 5°C above normal in northeastern growing areas accelerated winter crop maturation and summer crop development.

WESTERN FSU
 Total Precipitation (mm)
 June 14 - 20, 2020



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

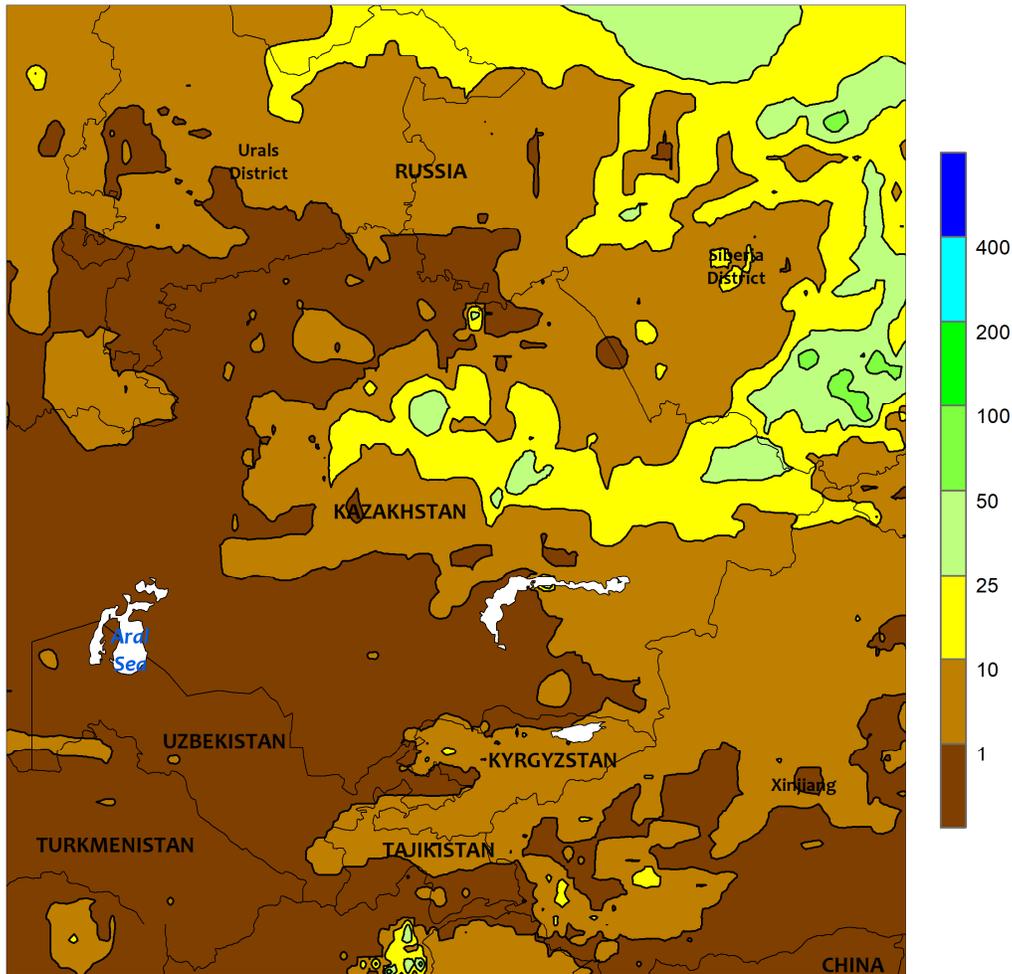


WESTERN FSU

Early summer heat was accompanied by increasing showers and thunderstorms, although dry weather prevailed in west-central Russia. An area of high pressure lingered over western Russia, bringing additional moderate to extreme heat (32-36°C, up to 6°C above normal) to much of the region. However, expanding and intensifying showers and thunderstorms continued to rotate clockwise around the perimeter of the high, with weekly totals ranging from 5 to 30 mm in southwestern Russia to locally more than 50 mm from central and western Ukraine northward into Belarus and northwestern Russia. The rain maintained good to excellent early

season prospects for vegetative summer crops and mitigated any concerns for potential heat impacts on later-developing winter grains and oilseeds. Furthermore, winter wheat was largely past the temperature-sensitive reproductive and early filling stages of development, and crops in the hottest locales were able to withstand the heat due to abundant soil moisture from a wet May and early June. Despite the widespread showers, dry weather prevailed in the southern Volga District; eastern-most portions of this locale have been very dry over the past 60 days (25-50 percent of normal) and will need moisture soon as spring grains approach reproduction.

EASTERN FSU
 Total Precipitation (mm)
 June 14 - 20, 2020



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

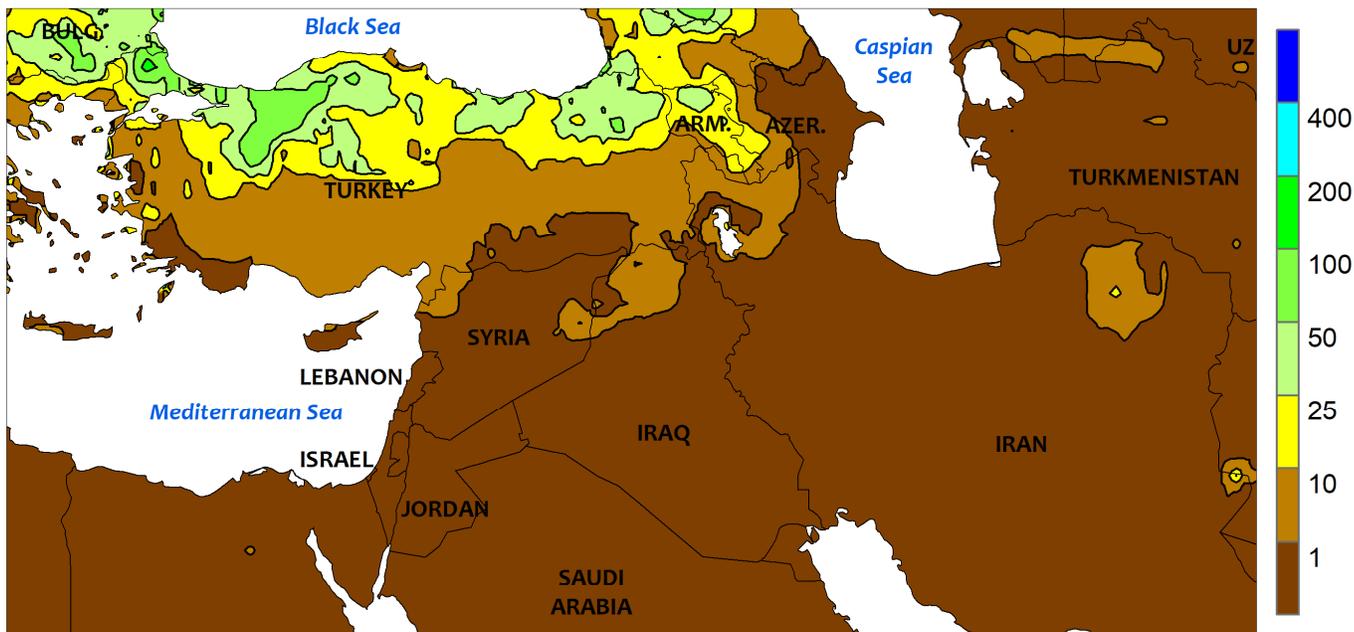


EASTERN FSU

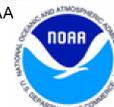
Cooler weather settled over the region, with sunny skies in the west contrasting with much-needed rain in eastern growing areas. After recent bouts with excessive heat, temperatures up to 6°C below normal over north-central Kazakhstan and central Russia alleviated stress on vegetative spring grains and lowered evapotranspiration rates. However, after a wet May, a dearth of rainfall over the past 30 days (less than 25 percent of normal) has reduced topsoil moisture, though subsoil moisture remained

favorable following a wet spring. In contrast, moderate to heavy showers (10-50 mm, locally more) arrived over the southern and eastern Siberia District (in particular, Alta Krai), where 90-day rainfall had previously dropped to less than 50 percent of normal. Consequently, prospects for spring wheat have recovered, though more rain would be welcome. Farther south, sunny skies and near-normal temperatures favored the development of vegetative cotton in Uzbekistan and environs.

MIDDLE EAST
Total Precipitation (mm)
June 14 - 20, 2020



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

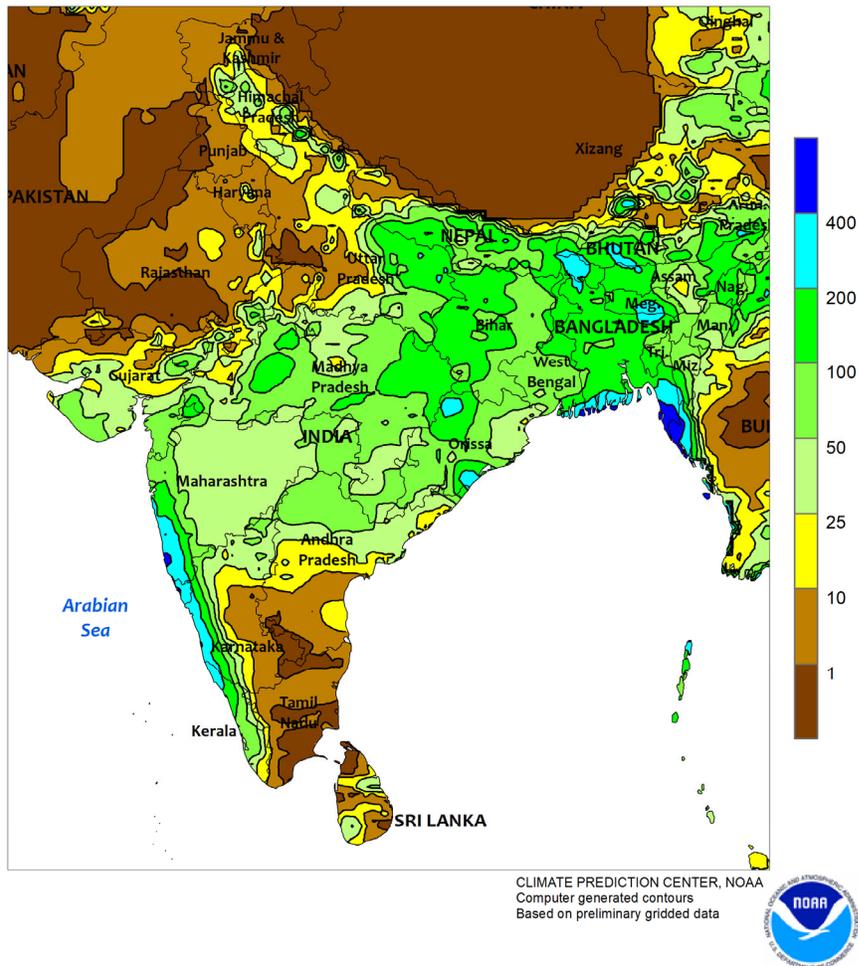


MIDDLE EAST

Unsettled weather over Turkey compared with seasonal dryness elsewhere. Another in a series of slow-moving disturbances produced widespread albeit highly variable showers and thunderstorms (3-95 mm) over central and northern Turkey, maintaining favorable to locally abundant moisture supplies for vegetative corn, cotton, and

sunflowers. However, short-term dryness (30-day rainfall locally less than 50 percent of normal) has developed in parts of southern Turkey, increasing irrigation demands for corn and cotton. Sunny skies and near- to above-normal temperatures across the rest of the region promoted winter grain harvesting and other fieldwork.

SOUTH ASIA
Total Precipitation (mm)
June 14 - 20, 2020

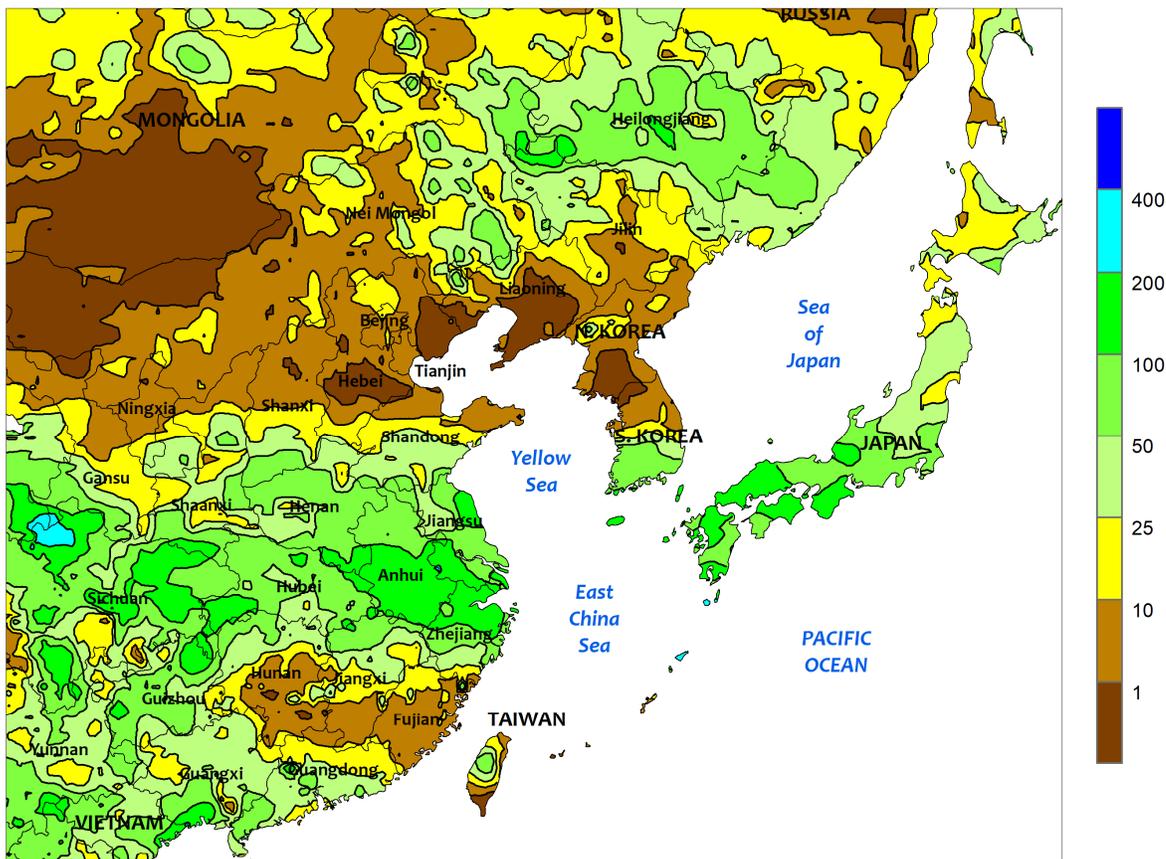


SOUTH ASIA

Monsoon showers continued to progress northward in India, covering most major summer (kharif) crop areas. In Gujarat and western sections of Madhya Pradesh, 10 to locally over 50 mm of rain boosted soil moisture for cotton and oilseed establishment, while 25 to 100 mm supported cotton in Maharashtra. Higher rainfall totals

were more widespread in eastern states (including Bangladesh), where 50 to nearly 200 mm increased moisture supplies for rice. The predominantly irrigated areas in the north and northwest as well as Pakistan remained dry; the monsoon typically reaches these areas by July 1.

EASTERN ASIA
 Total Precipitation (mm)
 June 14 - 20, 2020



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

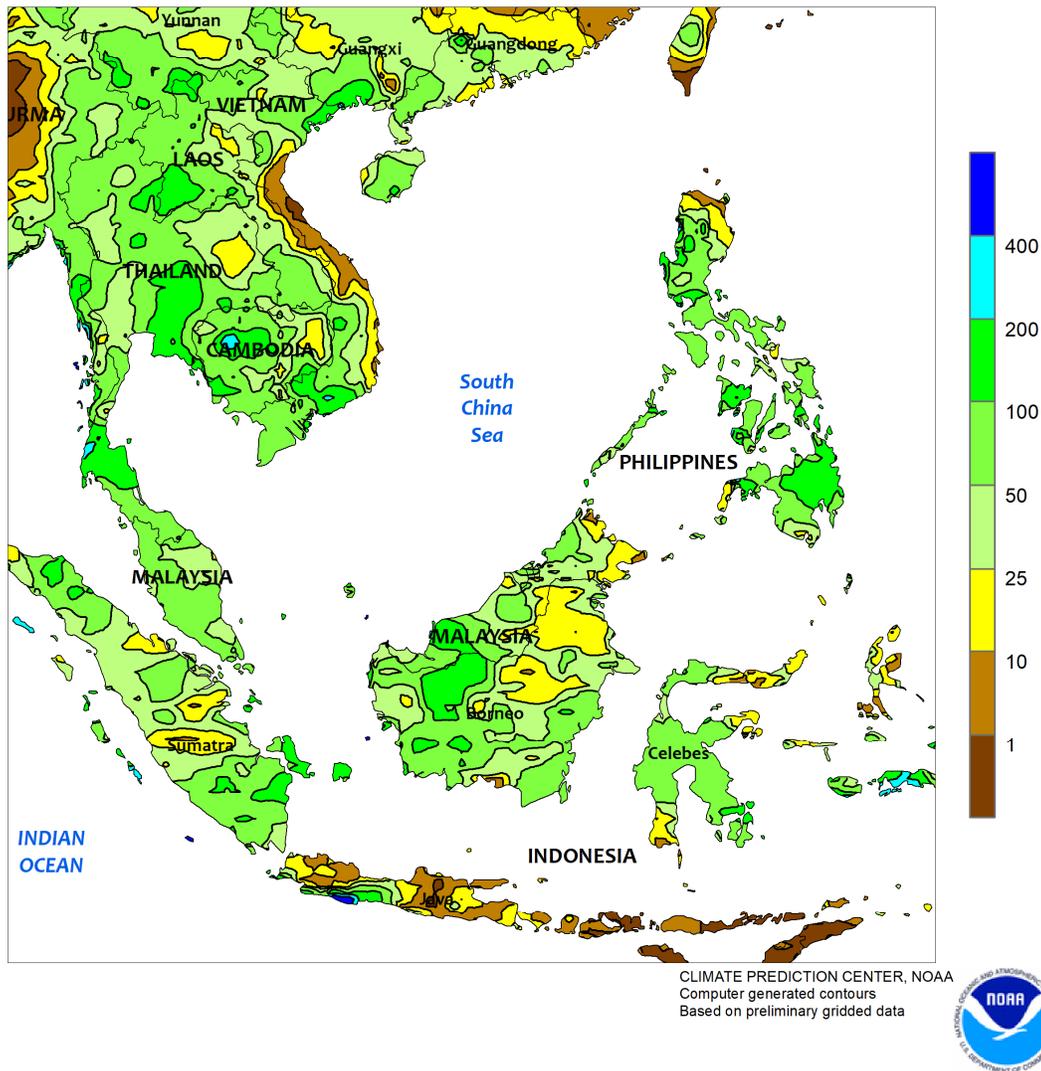


EASTERN ASIA

Multiple days of rainfall moved through southern China during the period bringing 25 to 100 mm from the North China Plain to the southern coast. Higher totals (over 100 mm) were reported in parts of the mid-east with a pocket of drier weather in the southeast. The moisture maintained or improved moisture supplies for vegetative summer crops and caused few delays to lingering wheat harvesting. Meanwhile in the northeast, 25 to 100 mm (or more) of rain encompassed Heilongjiang, boosting

soil moisture for vegetative corn, soybeans, and rice. Lesser amounts (10-25 mm) were recorded in the surrounding areas (Inner Mongolia and Jilin) with little if any in Liaoning; June has been drier than normal in Liaoning and more rainfall would be welcome as crops enter reproduction next month. Elsewhere, the Korean Peninsula was mostly dry with the exception of southern portions of South Korea (25-100 mm), while showers (25-100 mm) prevailed across Japan.

SOUTHEAST ASIA
Total Precipitation (mm)
June 14 - 20, 2020

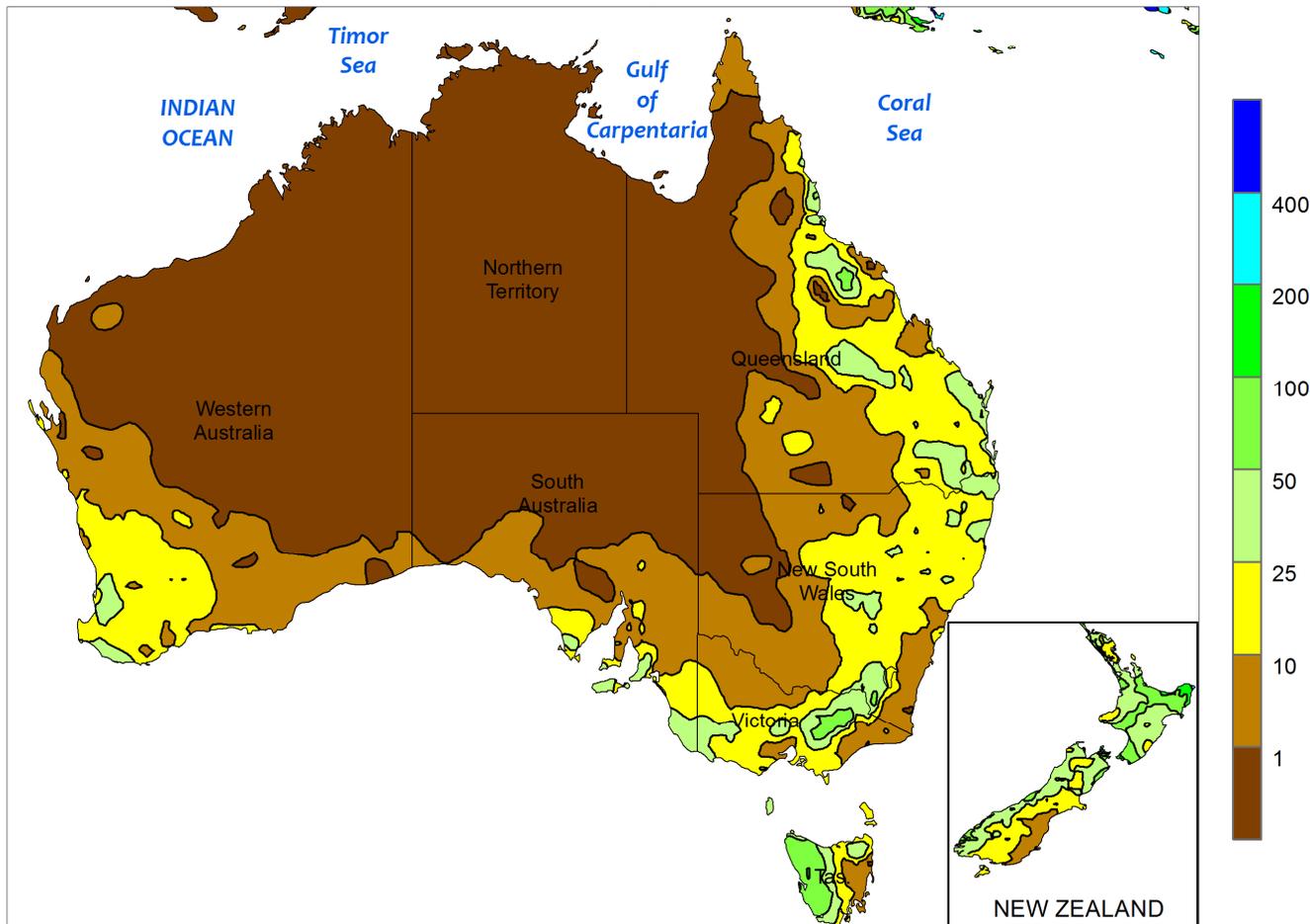


SOUTHEAST ASIA

Widespread monsoon showers across Thailand and much of Indochina provided long-awaited moisture and encouraged rice sowing. Rainfall totals ranged between 25 and 100 mm, with pockets of higher amounts, boosting moisture supplies for rice establishment. Up to this point, monsoon rainfall had been lighter than normal and comparable to the poor start of last year. Meanwhile in the Philippines, showers (25-100 mm)

have been more consistent and moisture conditions are generally better than last year for rice and corn, although pockets of drier-than-normal weather were recorded in key production areas of Luzon. Elsewhere, wet weather (25-100 mm) continued in Malaysia and northern Indonesia, maintaining or boosting soil moisture for oil palm; rainfall totals since April 1 are above average and better than last year.

AUSTRALIA
Total Precipitation (mm)
June 14 - 20, 2020



Gridded data from the Australian Bureau of Meteorology: www.bom.gov.au/
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CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded data

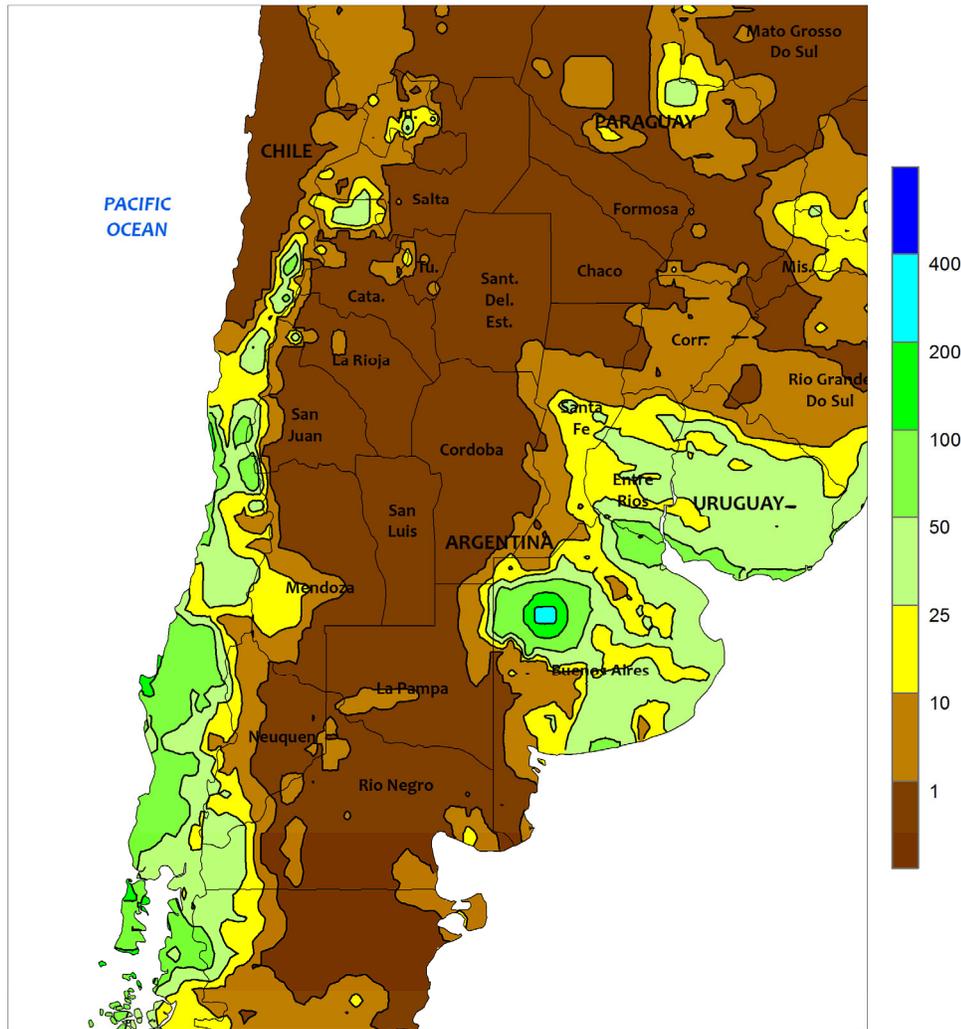


AUSTRALIA

Widespread showers (5-15 mm, locally near 25 mm) overspread most of the wheat belt, increasing topsoil moisture for vegetative winter grains and oilseeds. In the southeast, the rain favored wheat, barley, and canola establishment and helped maintain generally good early season yield prospects. The showers aided crop emergence

and establishment in the west and northeast too, where rainfall has averaged approximately 50 to 70 percent of normal since May 1. More rain would be welcome in these areas to help promote further crop development. Temperatures averaged near normal in the west and 1 to 2°C above normal in the south and east.

ARGENTINA
Total Precipitation (mm)
June 14 - 20, 2020



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

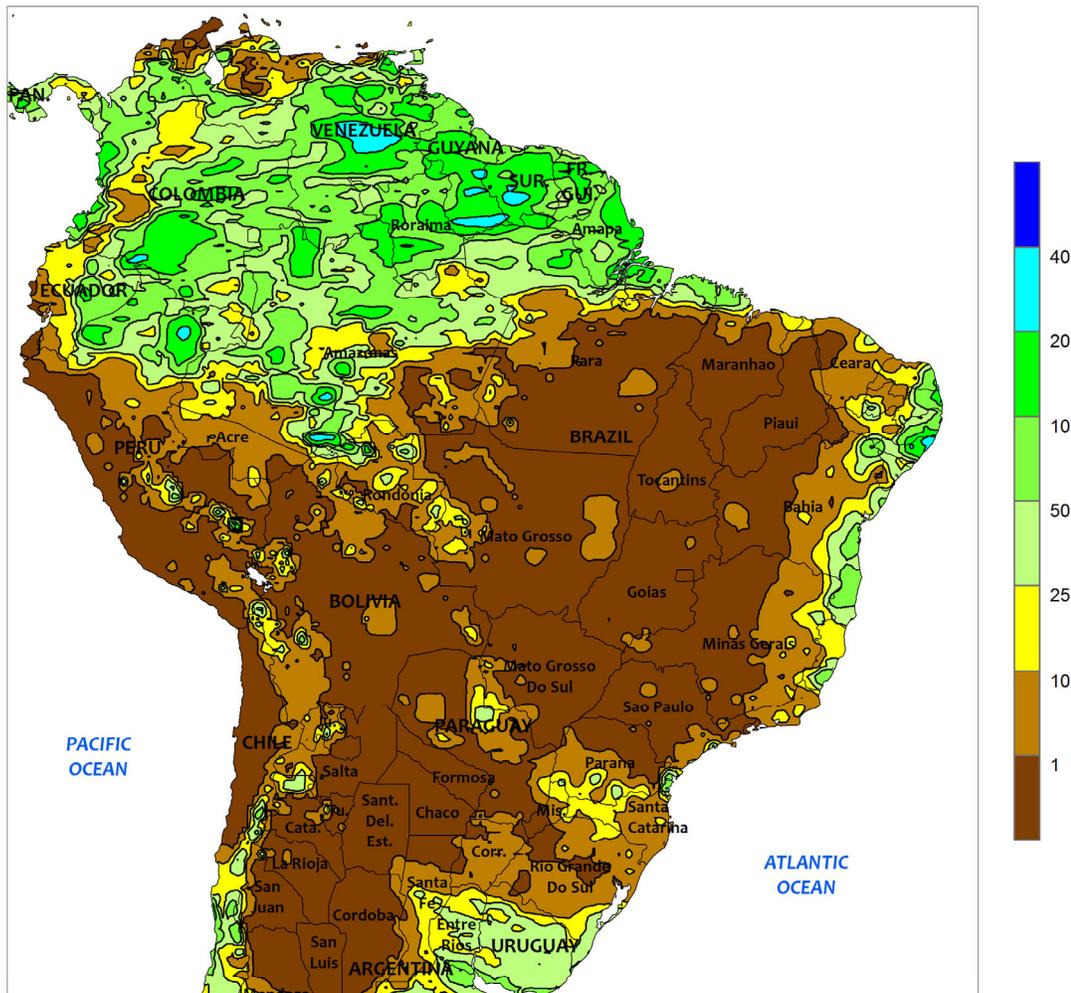


ARGENTINA

Showers benefited emerging winter grains in central Argentina, but drier weather dominated the north. Rainfall totaled 10 to more than 50 mm in Entre Rios and Buenos Aires, including some of the region’s high-yielding farming areas. Mostly dry weather elsewhere favored autumn fieldwork. Temperatures were above normal, with daytime highs ranging from the upper 10s (degrees C) in the southern wheat belt of La Pampa and Buenos Aires to the lower 30s in

the north. The combination of warmth and dryness aided fieldwork, and most locations still enjoyed favorable levels of topsoil moisture. According to the government of Argentina, corn was 78 percent harvested, well ahead of last year’s pace (61 percent) as of June 18; cotton was 92 percent harvested, 25 points ahead of last year’s pace (63). Similarly, wheat planting still was well ahead of last year’s pace (55 percent planted versus 38 percent last year).

BRAZIL
Total Precipitation (mm)
June 14 - 20, 2020



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

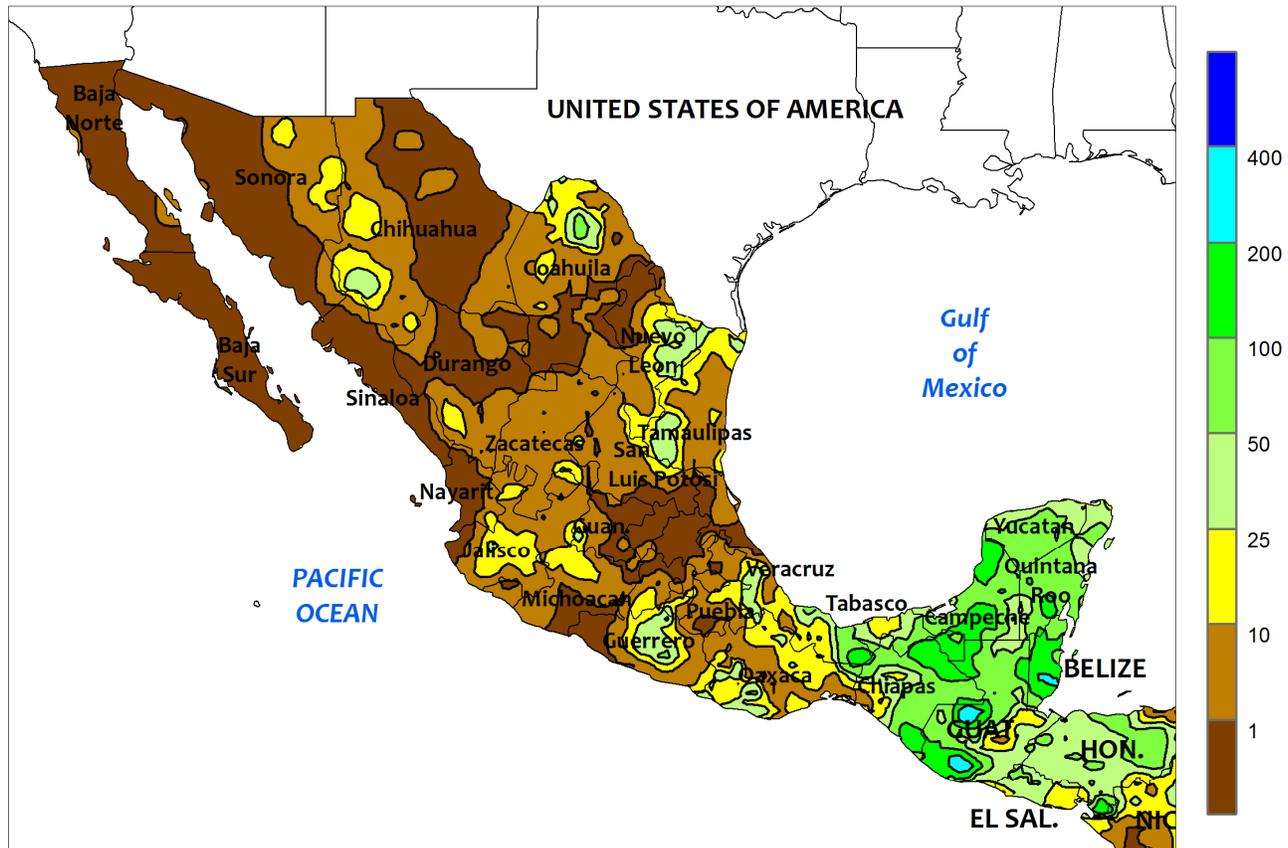


BRAZIL

Warm, dry weather fostered rapid development of corn and cotton in major production areas of central and southern Brazil. Aside from seasonal showers (10-25 mm, locally higher) along the northeastern coast, just a few isolated locations recorded measurable rainfall; this included Rio Grande do Sul and southern Parana, where amounts were mostly below 5 mm. Near- to above-normal temperatures combined with the abundant sunshine fostered a rapid pace of maturation from

Mato Grosso and Tocantins southward. According to the government of Parana, second-crop corn was 3 percent harvested as of June 15, with 83 percent of the remaining crop ranging from filling to mature; wheat was 82 percent planted. As of June 18, wheat was 43 percent planted in Rio Grande do Sul. Meanwhile, second-crop corn was reportedly 16 percent harvested in Mato Grosso as of June 19, lagging last year's pace by 8 points; cotton harvesting was just beginning.

MEXICO
Total Precipitation (mm)
June 14 - 20, 2020



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

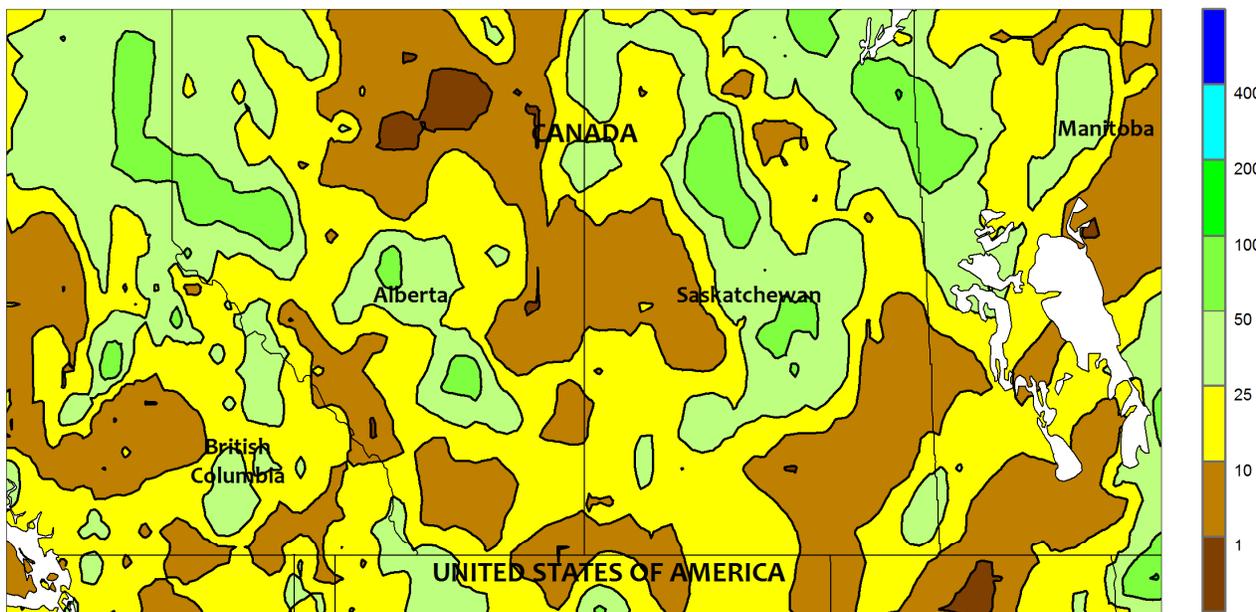


MEXICO

Following a brief intensification of seasonal rainfall, showers tapered off across the southern plateau, where moisture remained limited for uniform development of corn and other rain-fed summer crops. Most locations between Jalisco and Puebla recorded amounts totaling below 10 mm; drier conditions also returned to farming areas along the southern Pacific Coast (Michoacan to southern Oaxaca), and both regions recorded daytime highs ranging from the upper 20s to lower 30s (degrees C). Although the warmth and dryness favored fieldwork, a return to a more

seasonable pattern of rainfall is needed to ensure current yield prospects. Elsewhere, locally heavy rain (greater than 50 mm) fell in the southeast (Chiapas and southern Veracruz eastward), maintaining adequate to abundant levels of moisture. Light to moderate showers (5-25 mm or more) developed over the northeast (Tamaulipas and Nuevo Leon) but showers were generally scattered and light elsewhere in the north. Periodic heat (daytime highs approaching 40°C) maintained high water requirements for cattle and other livestock.

CANADIAN PRAIRIES
Total Precipitation (mm)
June 14 - 20, 2020



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

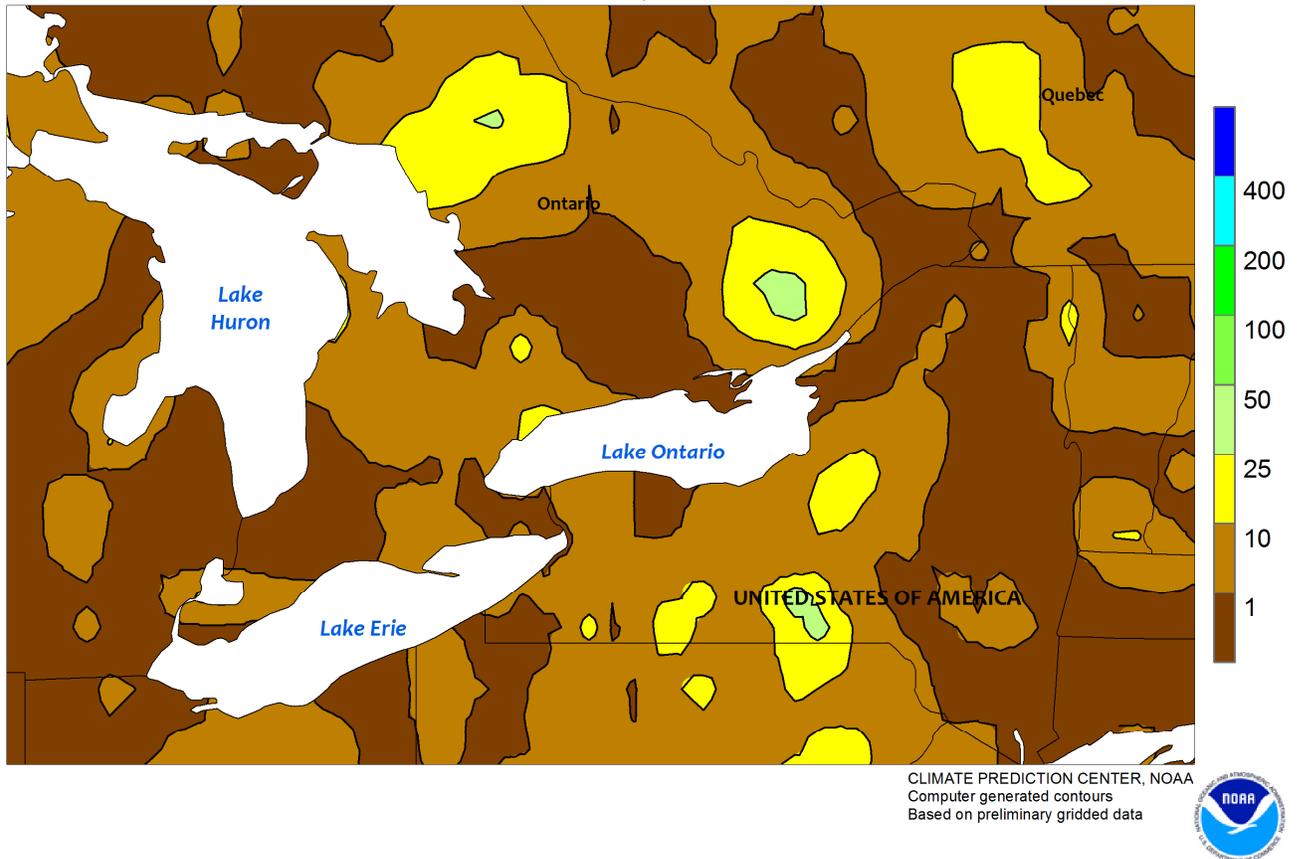


CANADIAN PRAIRIES

Mild, showery weather prevailed across the region, maintaining overall favorable conditions for spring crops. Most locations recorded 5 to 25 mm of rainfall, with a few pockets of heavier rain in northern production areas of Alberta and Saskatchewan. Meanwhile, pockets of dryness persisted in the southeast (southeastern Saskatchewan and southern Manitoba), favoring fieldwork but leaving some crops in need of moisture. According to the government of Manitoba, planting was 97 percent complete as of June 16, on par with the 3-year average pace (99 percent). Planting also neared

completion in Saskatchewan (99 percent complete as of June 15) and in Alberta, although saturated fields will reportedly necessitate some replanting. Weekly temperatures averaged up to 2°C below normal in Saskatchewan, slowing development of spring crops in the absence of a widespread freeze. However, unseasonably warm weather (daytime highs reaching the lower 30s degrees C) prevailed in Manitoba and southeastern Saskatchewan during the early part of the week, boosting crop growth. Temperatures generally averaged within 1°C of normal in Alberta.

SOUTHEASTERN CANADA
 Total Precipitation (mm)
 June 14 - 20, 2020



SOUTHEASTERN CANADA

Warm, sunny weather promoted development of summer crops, winter wheat, and pastures. Most of Ontario and Quebec were completely dry, and the few locations reporting rainfall received less than 5 mm. Temperatures averaged near normal in Ontario’s southern farming areas and up to 3°C above normal in Quebec and Ontario’s eastern agricultural districts. Temperatures varied widely,

with daytime highs ranging from the upper 20s to the lower and middle 30s (degrees C) and nighttime lows dropping into the low single digits in Ontario’s eastern farming areas and sections of Quebec. While the dryness favored late planting and replanting of summer crops, additional rain will be needed in upcoming weeks to ensure current yield prospects.

17 Jun 2020
16:16 UTC



A non-tropical low-pressure system moved inland across North Carolina on June 17. Still, the storm produced heavy showers and thick clouds in a broad area centered on Virginia and the Carolinas. In North Carolina, daily-record rainfall totals included 3.46 inches (on June 15) in Fayetteville and 3.49 inches (on June 16) on Cape Hatteras.

GOES-East Visible June 17, 2020 12:12 pm EDT

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