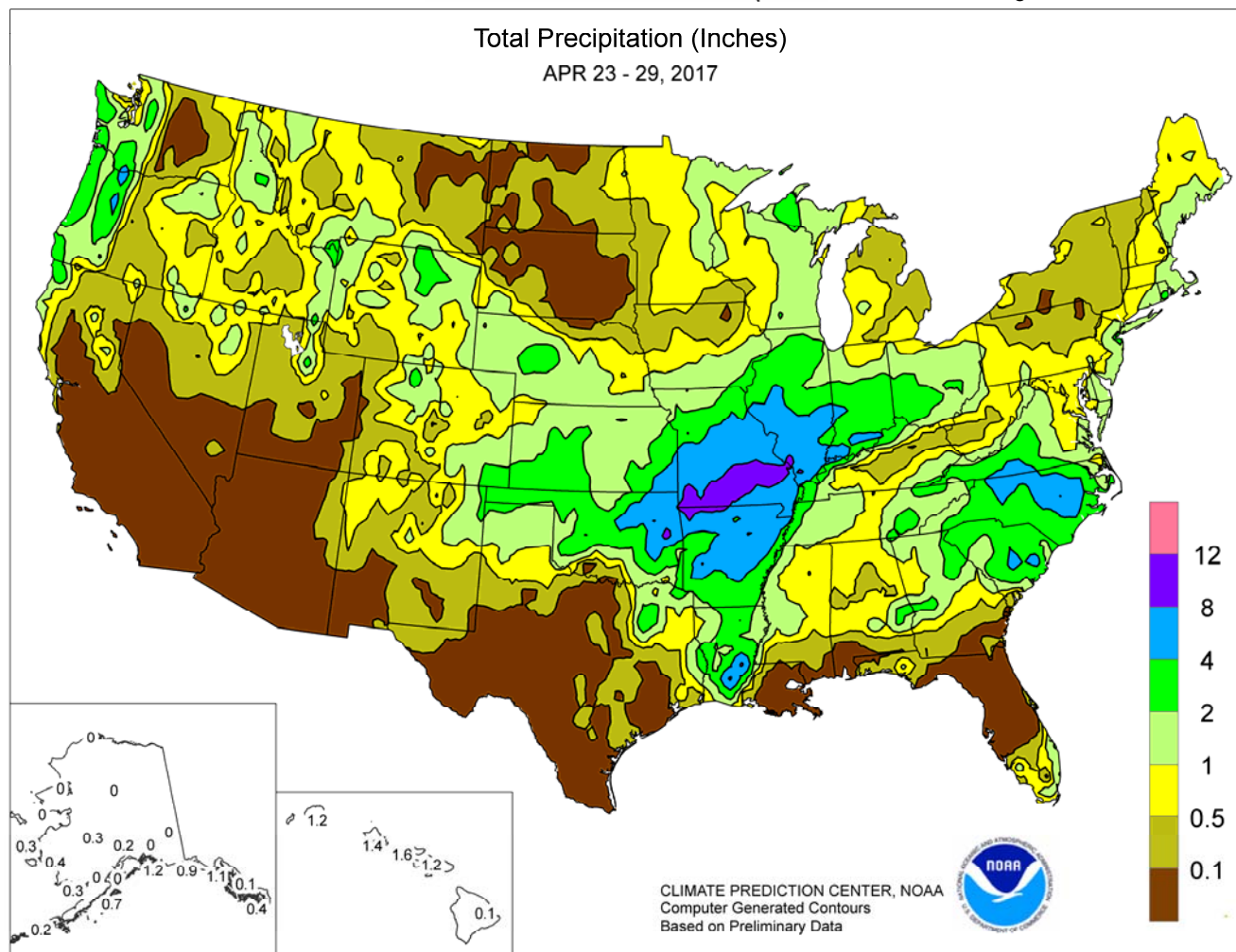


WEEKLY WEATHER AND CROP BULLETIN

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

April 23-29, 2017

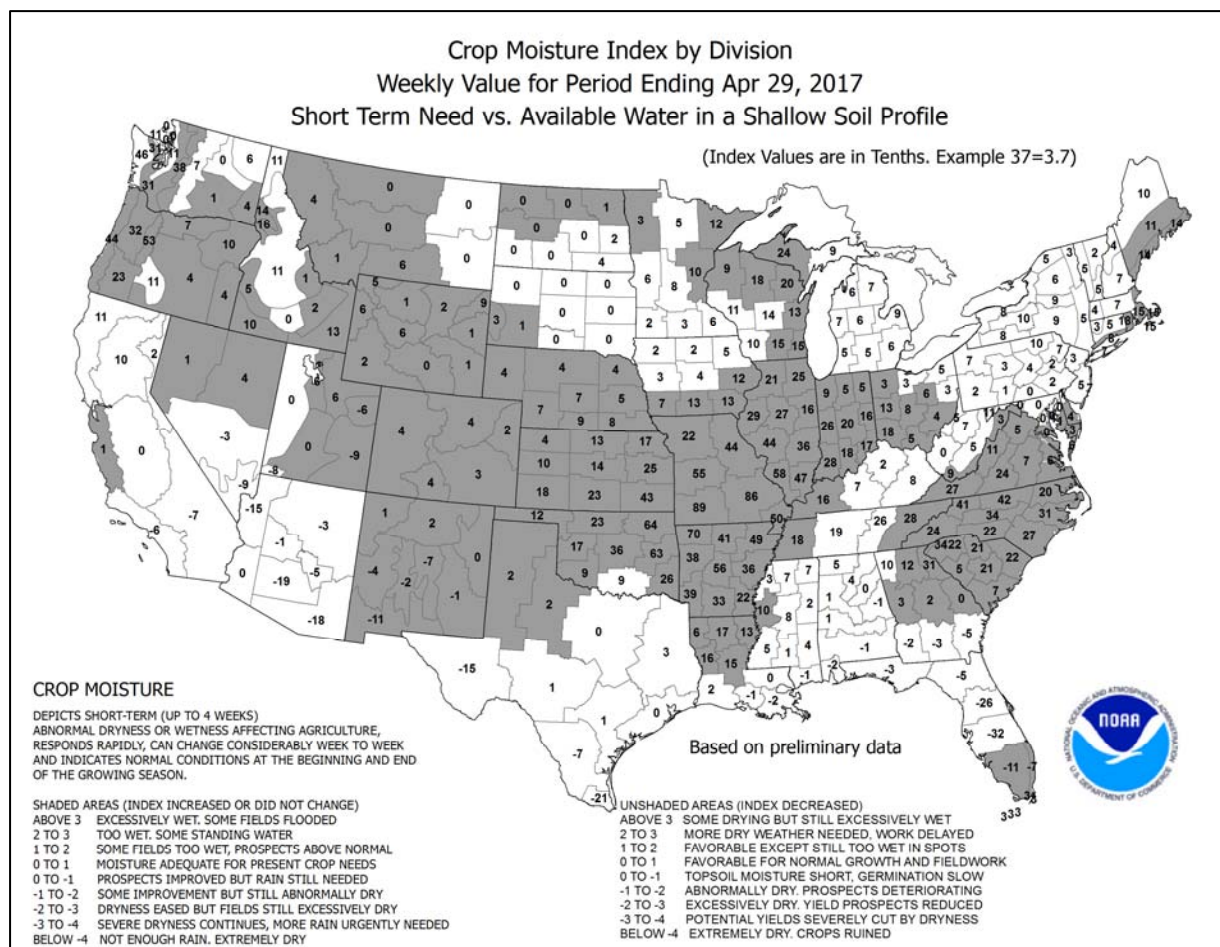
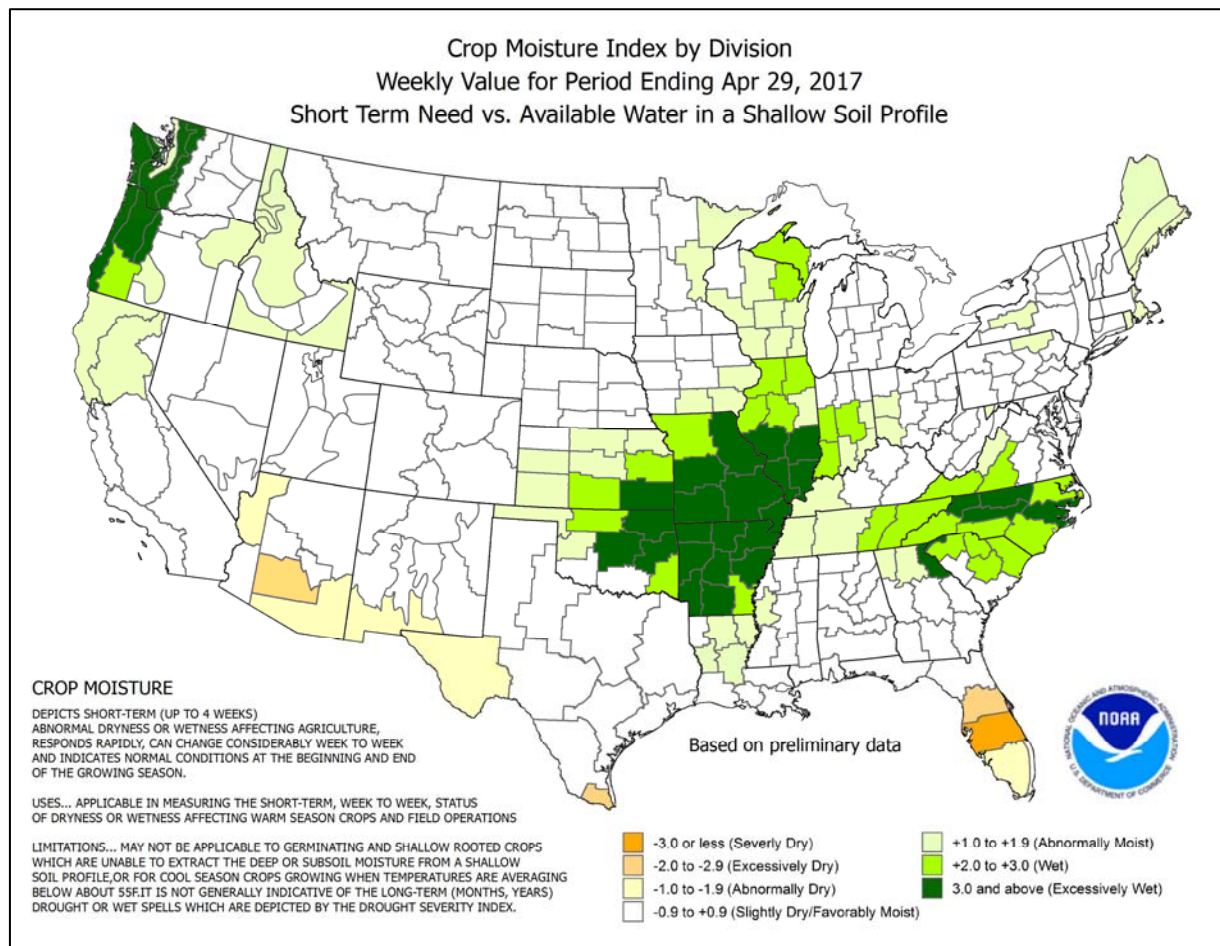
Highlights provided by USDA/WAOB

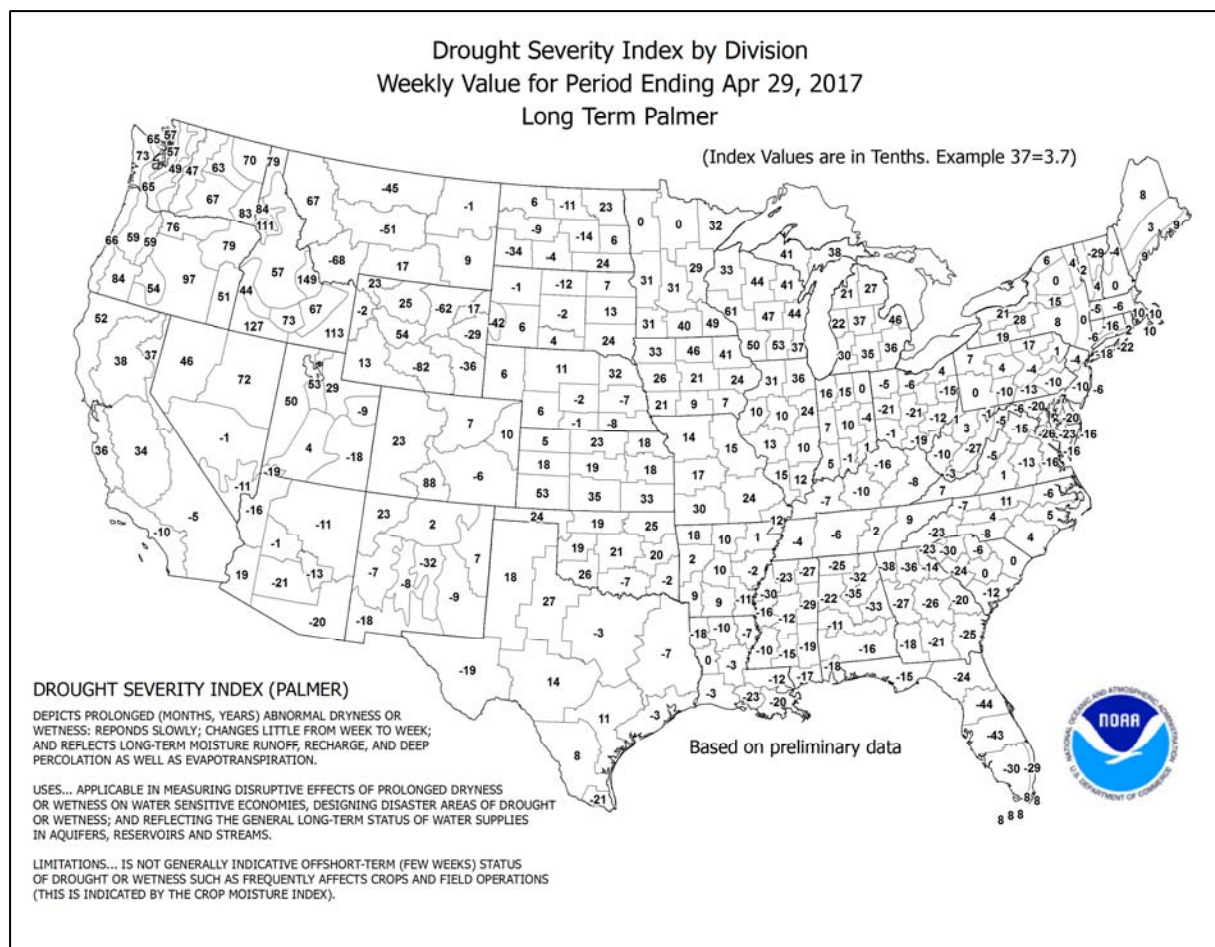
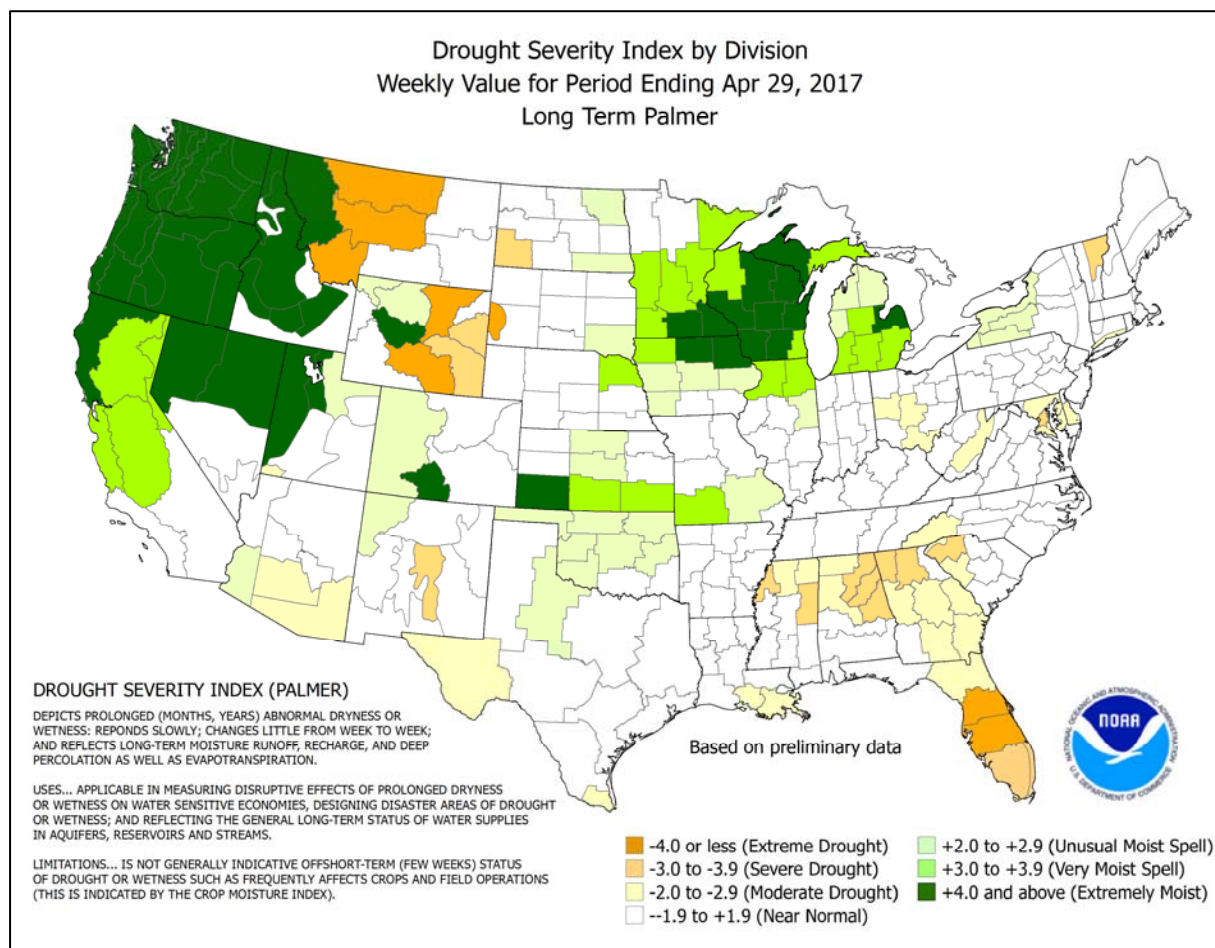
Major spring storms continued to produce extreme and unusual weather in several regions. For example, early-week downpours in the **southern Mid-Atlantic region** led to flooding but further reduced the **Southeastern** drought's footprint. Across **Florida's peninsula** and **southern Georgia**, however warm, mostly dry weather resulted in further drought intensification. Subsequently, several disturbances maintained showery weather across much of the country, with only the **nation's southern tier** remaining mostly dry. Snow halted

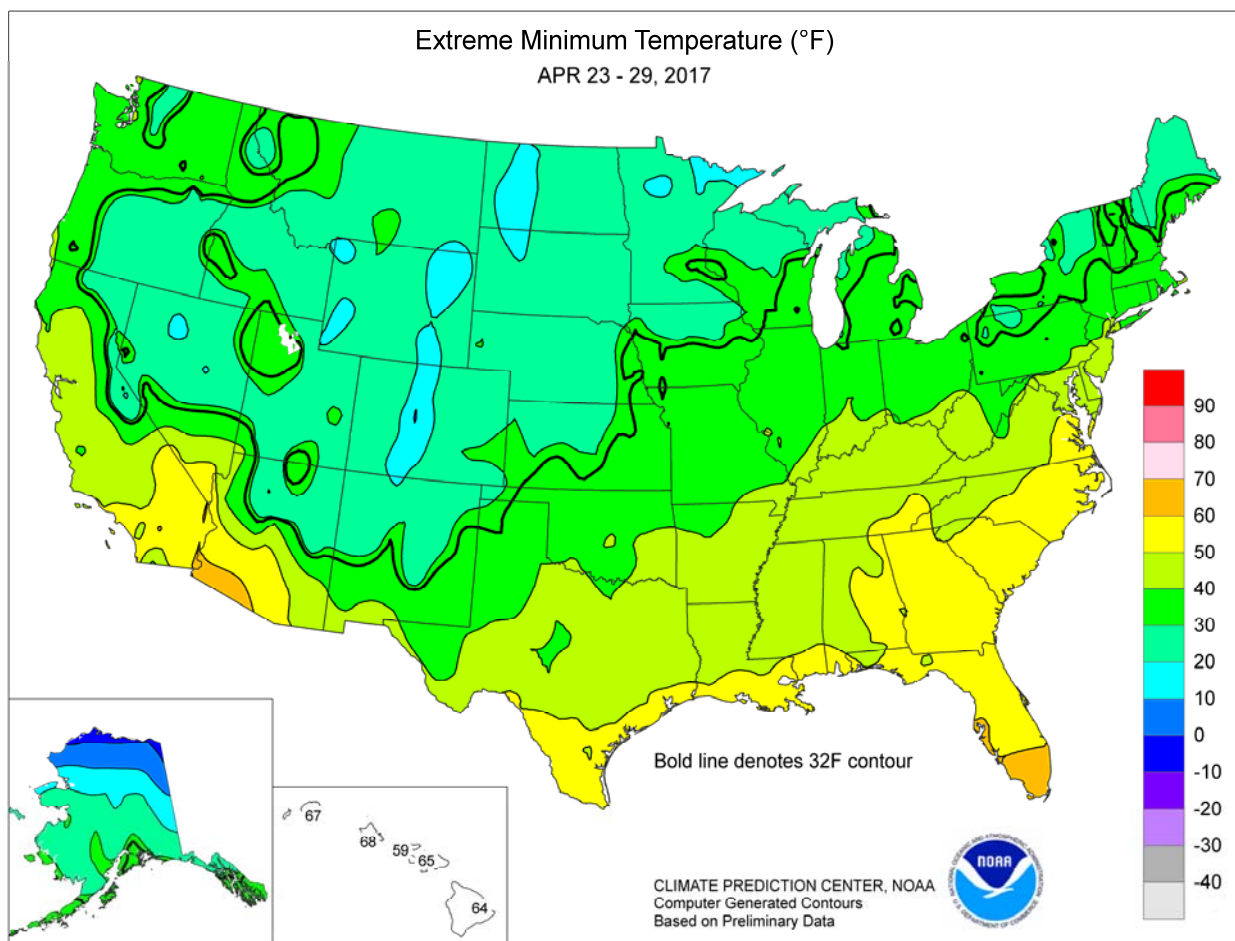
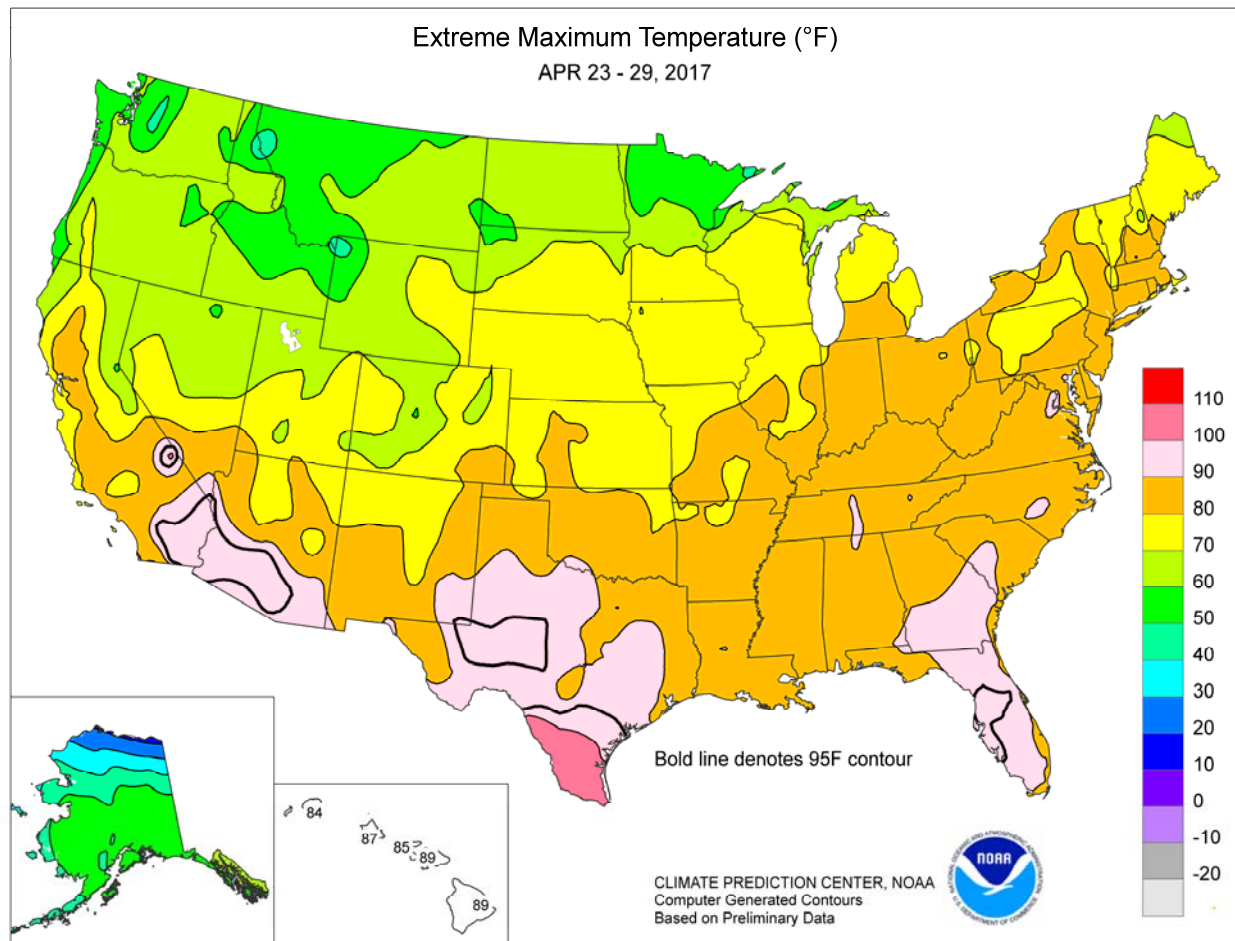
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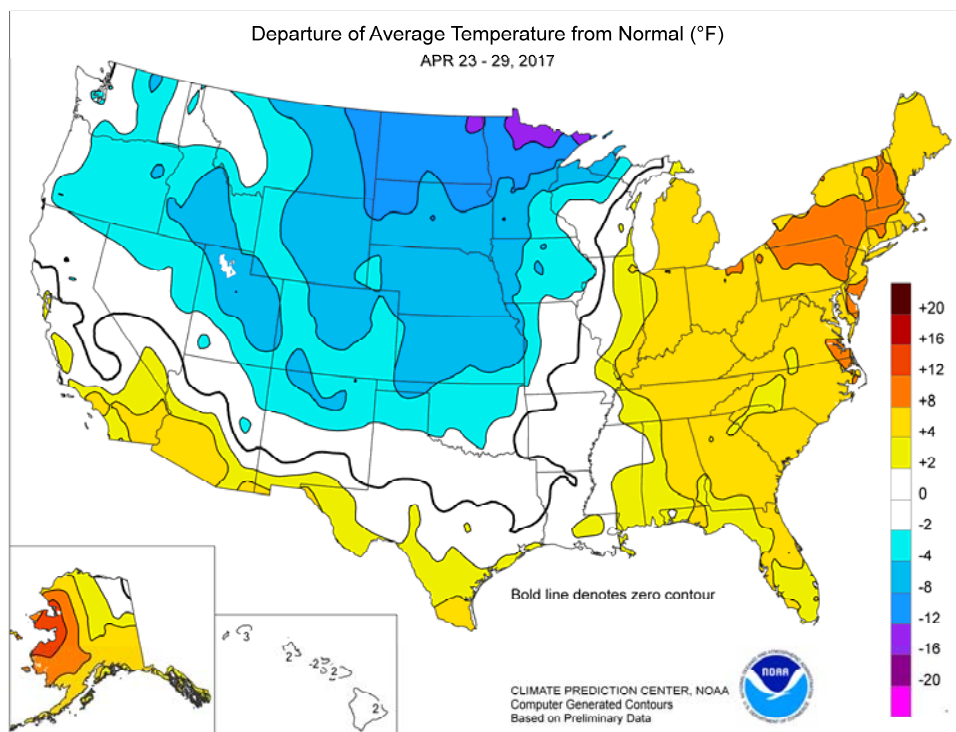




(Continued from front cover)

fieldwork in some northern crop production areas, including the **Red River Valley**, while rain showers limited or prevented fieldwork in the **Northwest, central Plains, Midwest, and mid-South**. In fact, cool weather dominated areas from the **Pacific Northwest to the Plains and upper Midwest**, with weekly temperatures averaging at least 10°F below normal in much of **North Dakota and northern Minnesota**. General warmth prevailed, however, in the **Desert Southwest, the lower Rio Grande Valley, and the eastern U.S.** Temperatures averaged as much as 10°F above normal in the **northern Mid-Atlantic States and southern New England**. Late in the week, a powerful spring storm emerged from the **West**. Torrential rainfall developed from the **southeastern Plains into the middle Mississippi Valley**; severe thunderstorms erupted across the **South**; and heavy snow blanketed **central and southern portions of the Rockies and High Plains**. Specific agricultural impacts from the late-week storm included localized wind damage and isolated tornadoes from **eastern Texas into the lower and middle Mississippi Valley**; extensive lowland flooding and fieldwork delays across the **mid-South and lower Midwest**; and heavy snow in a narrow band across the **central and southern Plains**. In particular, snowfall totals in excess of a foot across **western Kansas** and environs left rural roads impassable; resulted in significant livestock mortality, especially in calves; and flattened winter wheat, with the full extent of damage unknown.

The week began with beneficial rain falling across **southern Florida**, where record-setting rainfall totals for April 23 included 3.70 inches in **Fort Lauderdale** and 3.50 inches in **West Palm Beach**. Farther north, the 24th was the wettest April day on record in **Raleigh-Durham (RDU), NC**, where 4.51 inches fell. **RDU's** previous wettest April day had been April 26, 1978, when 3.37 inches occurred. In addition, **RDU's** April 23-25 rainfall reached 7.45 inches. In **Haw River, NC**, the **Haw River** rose 5.38 feet above flood stage to reach its highest level since March 2003. Elsewhere in **North Carolina**, daily-record amounts for April 24 reached 3.67 inches in **Wilmington** and 2.74 inches in **Fayetteville**. In neighboring **Virginia**, **Danville** received 5.53 inches from April 22-25, aided by a daily-record sum of 1.94 inches on the 24th. Meanwhile, precipitation spread across the **nation's northern tier**. Snowfall totaled 3.3 inches (on April 25) in **East Rapid City, SD**, and 4.7 inches (on April 26) in **Grand Forks, ND**. It was the snowiest day in **Grand Forks** since December 6, 2016, when 8.8 inches accumulated. Farther south, daily-record rainfall totals for the 26th topped 2 inches in locations such as **Fayetteville, AR** (2.93 inches) and **West Plains, MO** (2.16 inches). Pounding rainfall would return to the same region just 3 days later, on April 29, when **West Plains** netted 6.94 inches. Rainfall in **West Plains** totaled 11.36 inches during the last 5 days of the month, boosting its monthly sum to 17.93 inches (400 percent of normal). Daily-record amounts for April 29 climbed to 4.75 inches in **Mount Ida, AR**; 4.52 inches in **Joplin, MO**; 4.46 inches in **Columbia, MO**; 4.31 inches in **Springfield, MO**; 2.83 inches in **Evansville, IN**; 2.81 inches in **Tulsa, OK**; and 2.47 inches in **Quincy, IL**. Heavy snow began to blanket parts of the **Intermountain West** on April 28, when **Riverton, WY**, received a daily-record sum of 9.5 inches. At week's end, rain changed to snow across the **High Plains**, where **Dalhart, TX**, measured 9.0 inches on April 30. With the bulk of the **Plains'** snow occurring on Sunday, April 30, additional details will appear next week. Meanwhile, serious flooding developed in the **mid-South and lower Midwest**. In **Missouri**, for example, the **Current River** surged to record-high levels in **Van Buren** (17.20 feet above flood stage on April 30) and **Doniphan** (20.13 feet above flood stage on May 1), surpassing high-water marks originally set in March 1904. Elsewhere in **Missouri**, record-setting crests were also established in late April or early May along rivers such as the

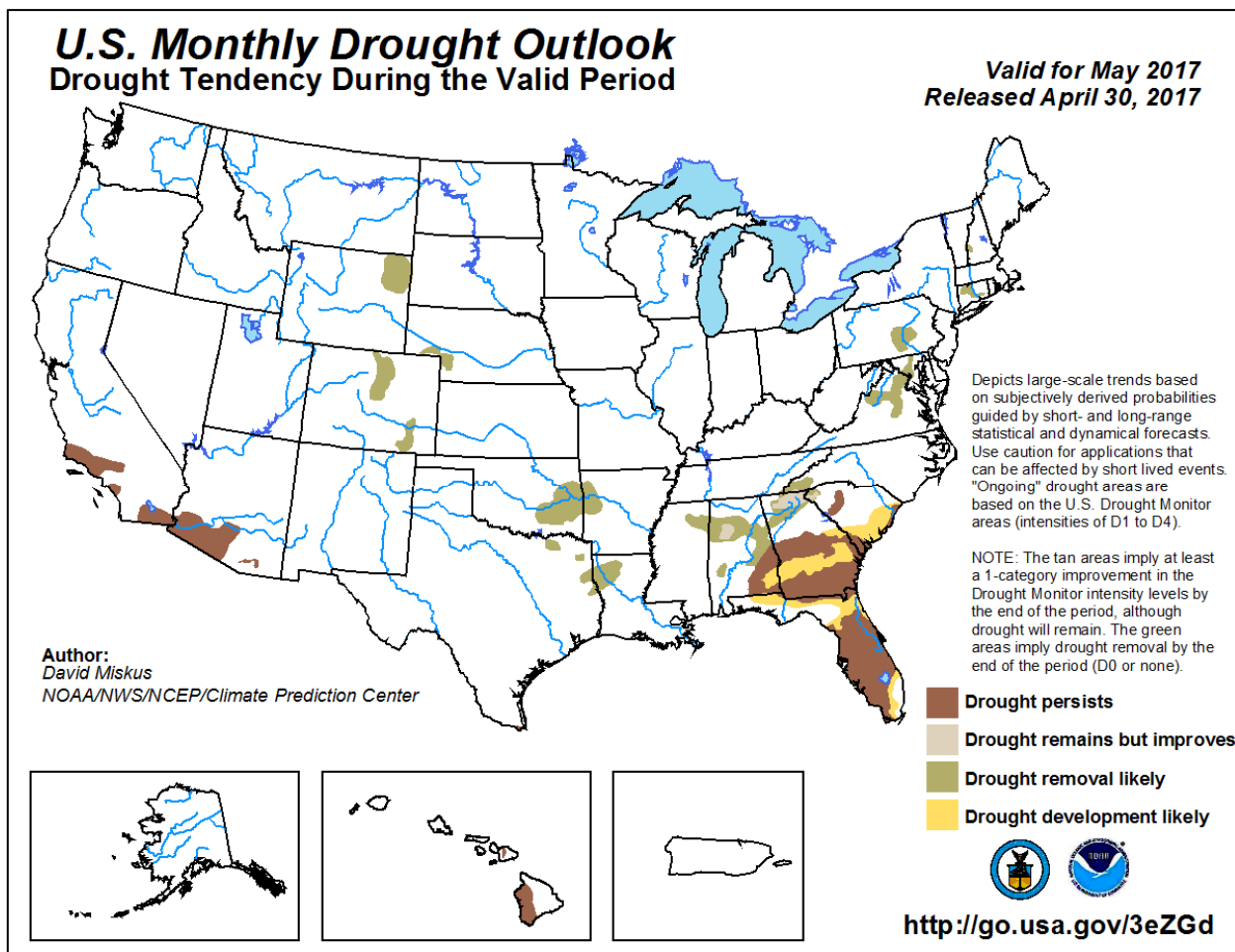
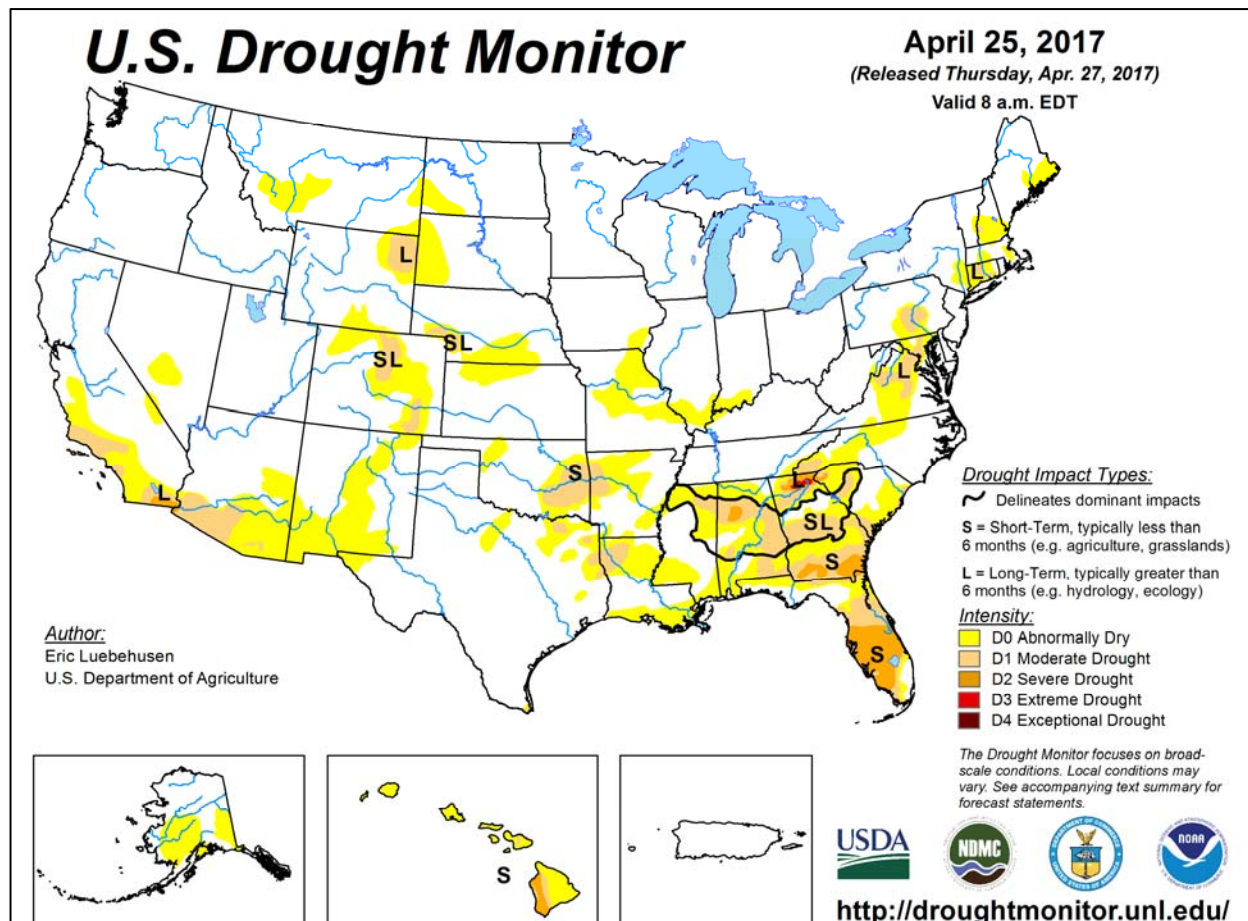


Gasconade, Meramec, and St. Francis Rivers.

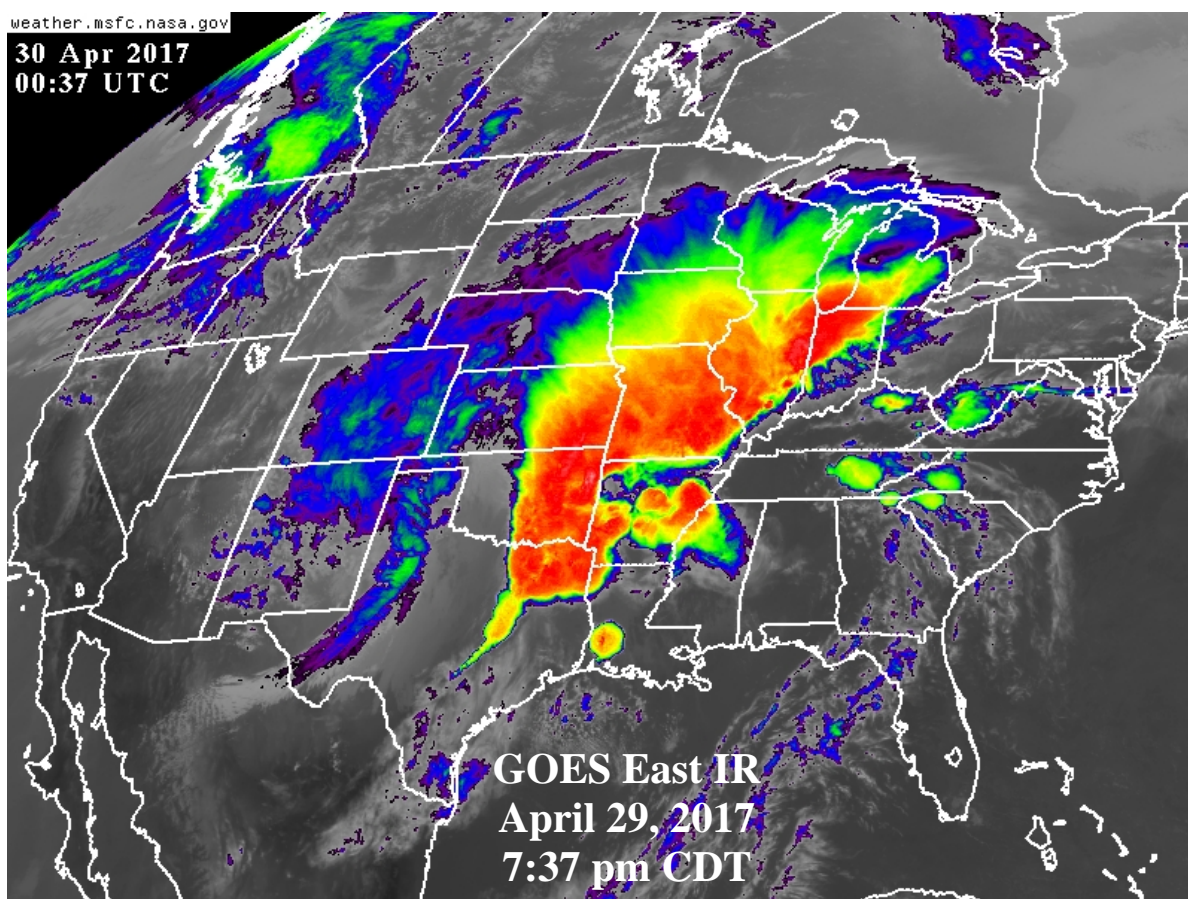
For much of the week, hot weather prevailed across the **Deep South**. On April 26 in **Brownsville, TX**, the high temperature of 104°F eclipsed the monthly record of 102°F, set on April 27, 1984. Two days later in **Florida**, on April 28, **Fort Myers** attained a monthly record-tying high of 96°F. And, on April 29, monthly record highs were broken in **Florida** locations such as **Tampa** and **Sarasota-Bradenton**—both 96°F. Late-week warmth also surged northward across the **eastern U.S.**, where daily-record highs for April 29 included 91°F in **Washington, DC**; **Georgetown, DE**; **Nashville, TN**; and **Augusta, GA**. Farther west, however, daily-record lows of 29°F were observed on April 27 in **Kansas** locations such as **Concordia** and **Russell**. Other daily-record lows across the **nation's mid-section** included 21°F (on April 27) in **Pierre, SD**, and 30°F (on April 28) in **Dubuque, IA**. Cold air also settled across the **West**, resulting in daily-record lows in **Winnemucca, NV** (18°F on April 29), and **Grand Junction, CO** (24°F on April 28).

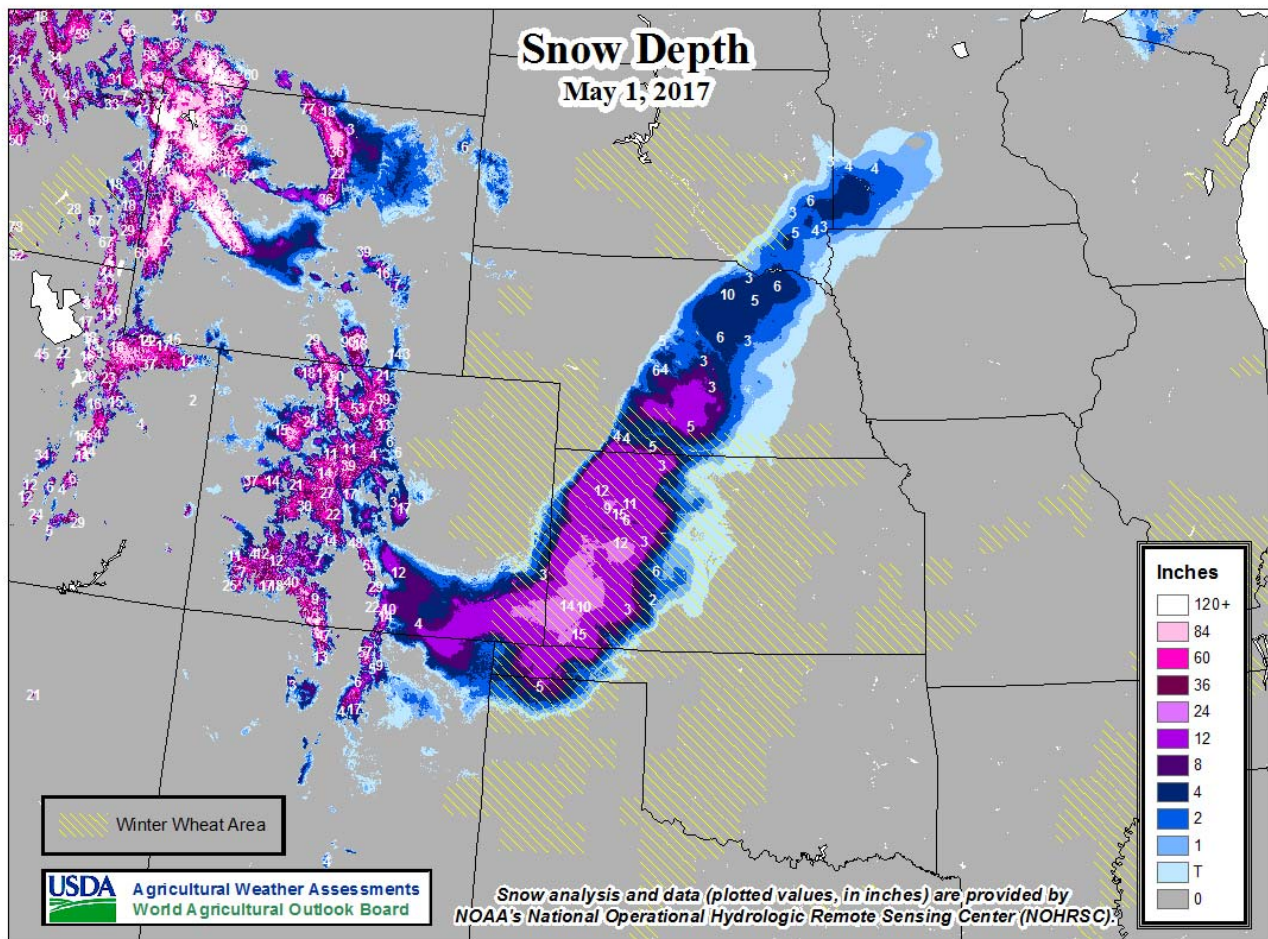
Mild weather dominated **western and southern Alaska**, while precipitation was mostly confined to the southern tier of the state. **Alaskan** daily-record highs were set or tied in locations such as **Pelican** (60°F on April 23) and **Nome** (48°F on April 24). Farther south, warm weather in **Hawaii** preceded some heavy rain. **Kahului, Maui**, opened the week with a daily-record high of 89°F on April 23. On the **Big Island, Hilo** posted a daily-record high of 89°F on April 29. As the month ended, cool, wet weather arrived. **Kahului** received 5.98 inches of rain during the last 2 days of the month, aided by a daily-record total of 3.79 inches on April 29. Similarly, **Honolulu, Oahu**, collected 2.51 inches of rain during the last 3 days of the month, more than half (1.35 inches) of which fell on April 28.

Mostly dry weather and near- to above-normal temperatures covered **mainland Alaska**, while occasional showers fell across the state's southern tier. Weekly temperatures averaged at least 10°F above normal across much of **western Alaska**. Early-season warmth also prevailed in **southeastern Alaska**, where **Annette Island** posted daily-record highs (64 and 69°F, respectively) on April 17 and 22. Farther south, beneficial showers dotted **Hawaii**. In **Kahului, Maui**, April 1-19 rainfall totaled just 0.12 inch. However, **Kahului**, received 1.66 inches on April 20-21, aided by a daily-record sum of 1.34 inches on the 20th. On the **Big Island, Hilo** netted 2.03 inches from April 16-18. Through, April 22, **Hilo's** month-to-date rainfall totaled 4.15 inches (47 percent of normal).

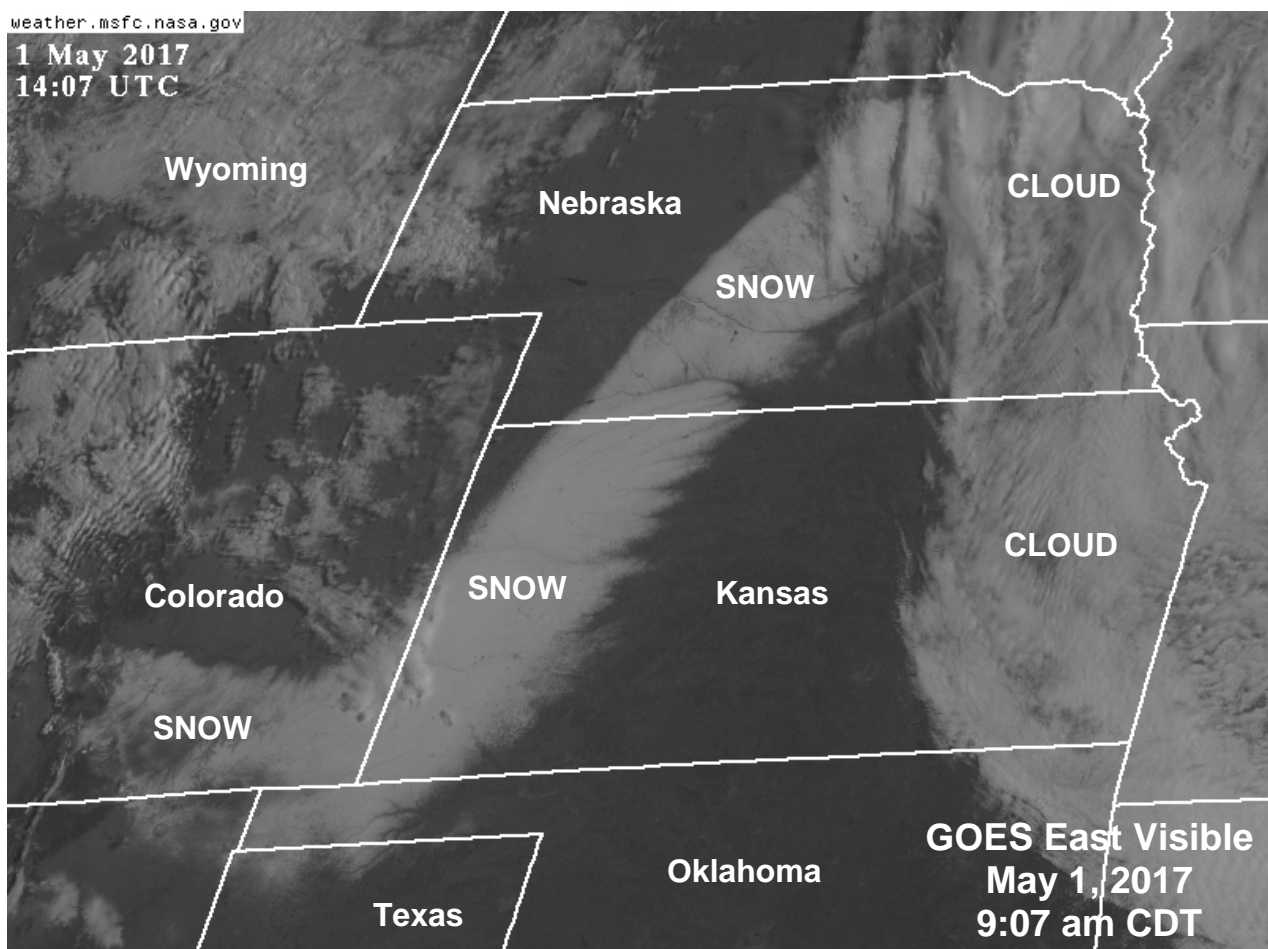


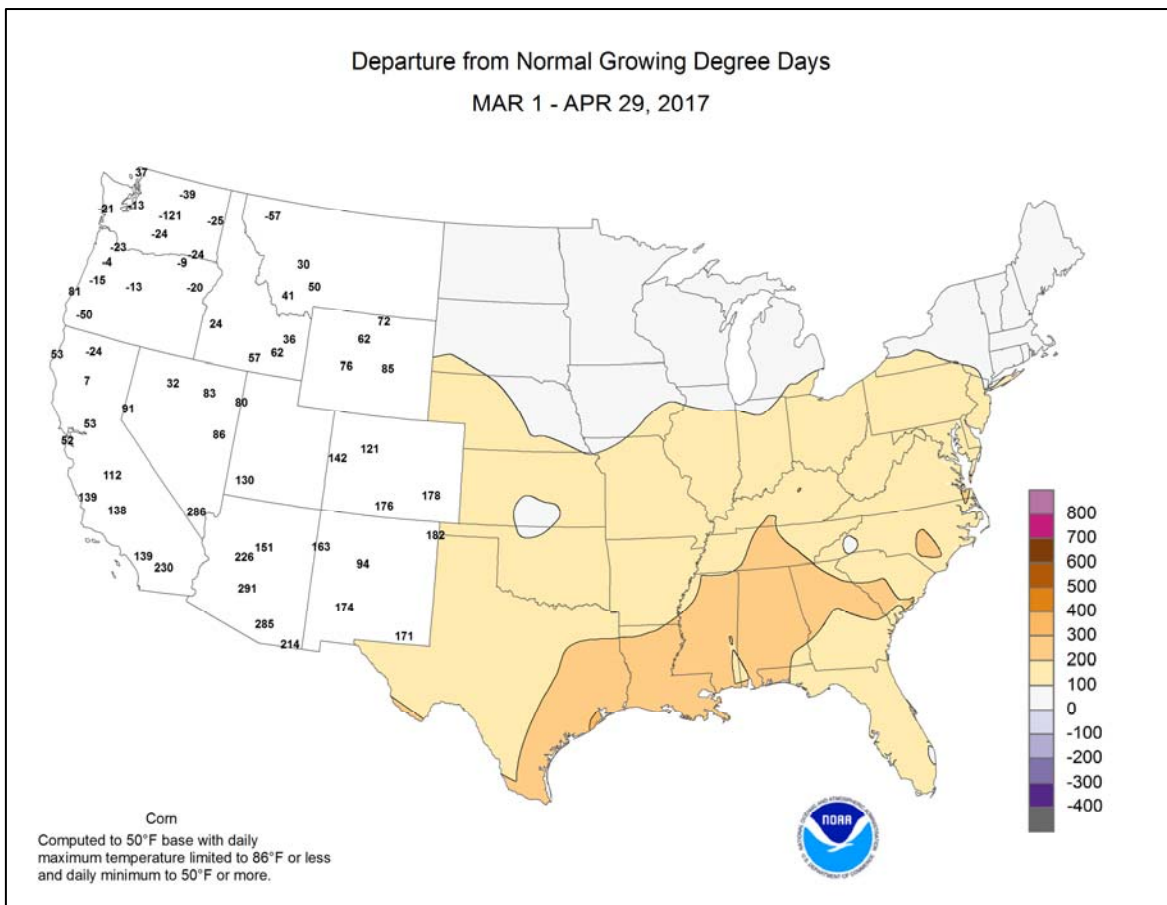
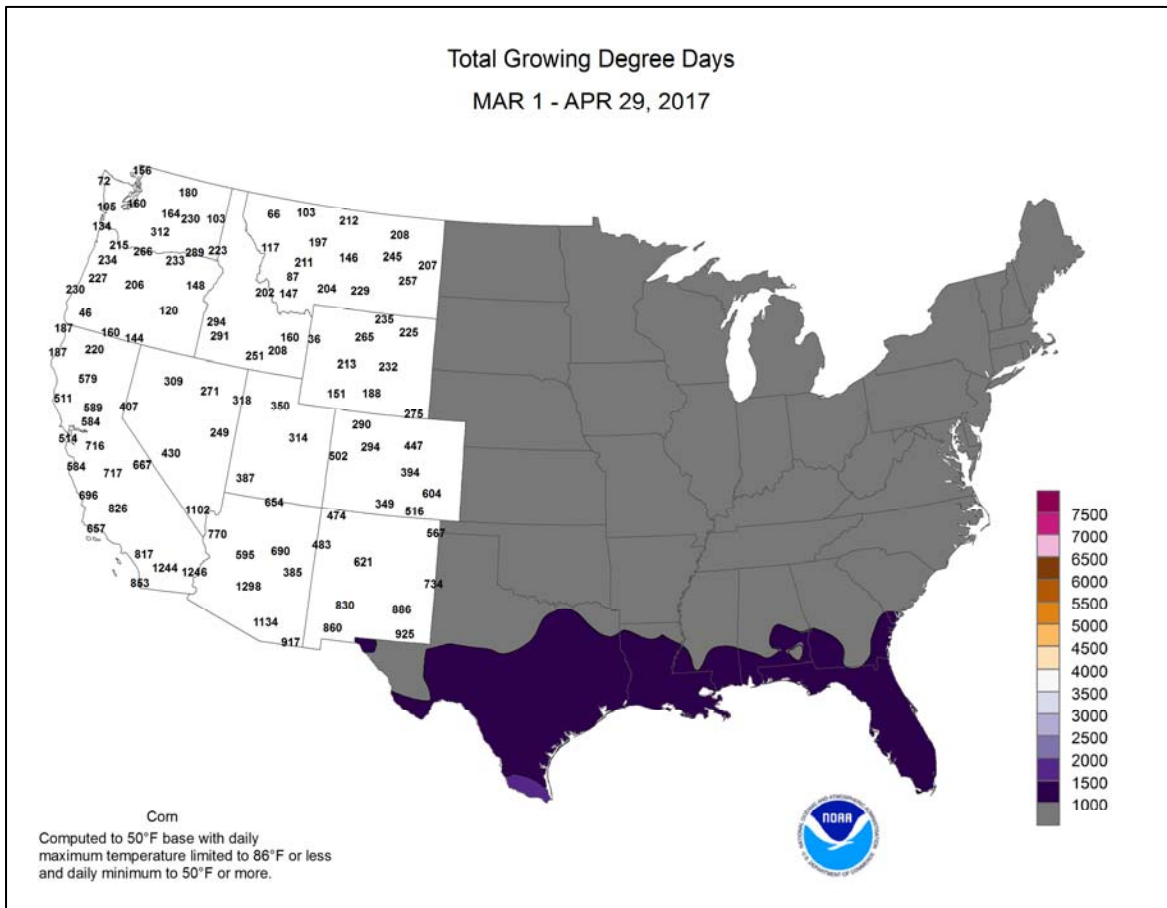
Satellite Images of Powerful Spring Storm

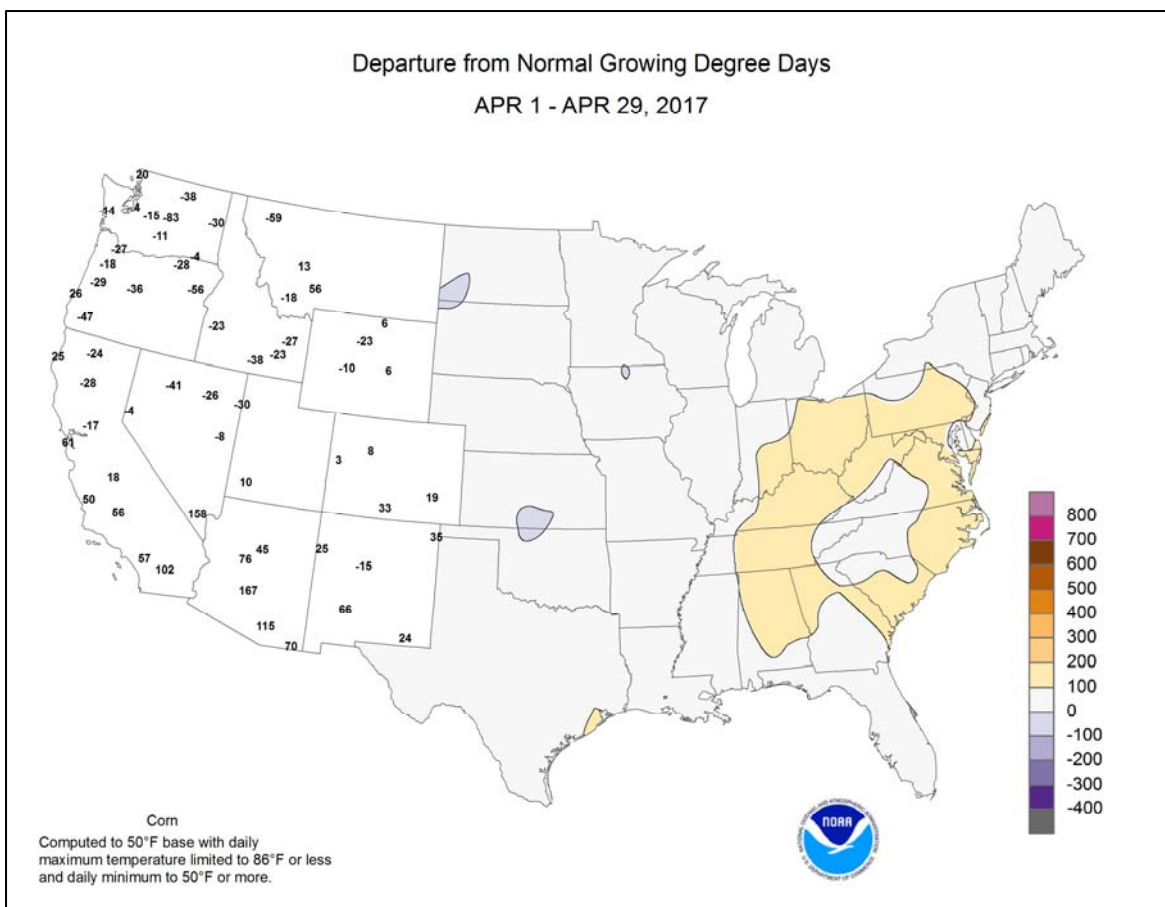
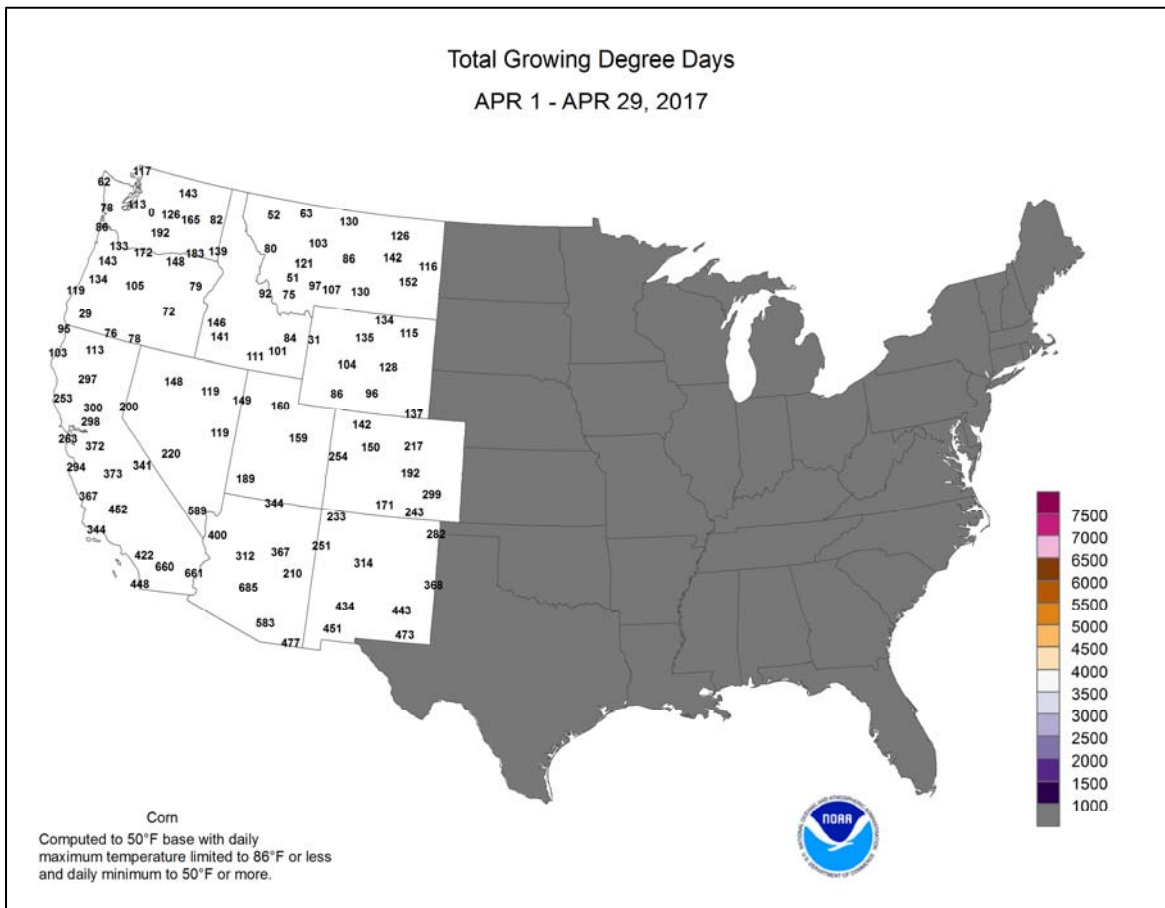




weather.msfc.nasa.gov

1 May 2017
14:07 UTC





National Weather Data for Selected Cities

Weather Data for the Week Ending April 29, 2017

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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
AL	BIRMINGHAM	80	59	88	51	69	6	0.74	-0.28	0.54	10.47	98	20.13	99	92	48	0	0	2	1	
	HUNTSVILLE	78	56	91	49	67	4	0.77	-0.21	0.73	7.55	68	16.43	76	97	67	1	0	2	1	
	MOBILE	81	62	88	52	72	4	0.12	-0.99	0.07	6.53	54	18.74	82	87	56	0	0	2	0	
AK	MONTGOMERY	82	61	90	53	72	6	0.27	-0.67	0.21	5.43	51	20.13	95	83	46	2	0	2	0	
	ANCHORAGE	52	38	55	32	45	5	0.34	0.23	0.31	1.03	93	3.73	147	81	63	0	1	2	0	
	BARROW	13	2	19	-6	7	2	0.00	-0.03	0.00	1.55	1033	2.39	613	85	73	0	7	0	0	
	FAIRBANKS	54	31	58	28	43	6	0.00	-0.03	0.00	0.26	67	2.46	188	71	47	0	5	0	0	
	JUNEAU	55	37	62	30	46	3	1.08	0.37	0.64	6.19	99	16.77	111	96	75	0	1	4	1	
	KODIAK	47	37	51	30	42	3	0.74	-0.59	0.31	7.90	76	13.45	55	93	83	0	2	5	0	
AZ	NOME	43	33	48	28	38	14	0.04	-0.10	0.03	0.17	15	1.62	57	84	71	0	2	2	0	
	FLAGSTAFF	61	32	69	23	46	1	0.00	-0.25	0.00	1.96	51	8.85	103	57	14	0	4	0	0	
	PHOENIX	90	66	99	58	78	5	0.00	0.00	0.00	0.06	5	2.40	83	27	16	4	0	0	0	
	PRESCOTT	71	43	78	32	57	5	0.00	-0.14	0.00	0.79	30	4.25	70	47	12	0	1	0	0	
	TUCSON	86	62	98	53	74	6	0.00	-0.06	0.00	0.21	20	1.58	54	27	16	3	0	0	0	
	FORT SMITH	77	52	84	44	65	2	2.64	1.68	2.00	10.22	134	15.03	120	87	50	0	0	3	1	
CA	LITTLE ROCK	77	51	85	44	64	0	4.46	3.19	2.75	11.60	115	16.60	97	96	53	0	0	2	2	
	BAKERSFIELD	78	52	84	48	65	0	0.00	-0.03	0.00	0.51	28	4.73	112	69	38	0	0	0	0	
	FRESNO	75	52	80	49	63	0	0.00	-0.08	0.00	4.50	151	12.52	172	78	49	0	0	0	0	
	LOS ANGELES	75	59	84	56	67	5	0.00	-0.06	0.00	0.47	15	11.95	131	62	44	0	0	0	0	
	REDDING	72	47	83	43	60	0	0.25	-0.15	0.18	8.43	111	27.46	140	75	42	0	0	2	0	
	SACRAMENTO	73	51	81	49	62	1	0.00	-0.14	0.00	5.31	139	23.49	210	88	40	0	0	0	0	
	SAN DIEGO	72	61	81	59	66	3	0.00	-0.06	0.00	0.09	3	6.81	93	78	61	0	0	0	0	
	SAN FRANCISCO	66	53	77	49	60	3	0.00	-0.14	0.00	5.24	117	22.00	170	80	60	0	0	0	0	
	STOCKTON	75	49	83	43	62	0	0.00	-0.14	0.00	4.04	125	15.52	185	83	54	0	0	0	0	
CO	ALAMOSA	55	28	72	21	41	-2	0.27	0.15	0.15	1.36	148	3.01	218	79	39	0	6	4	0	
	CO SPRINGS	56	35	73	28	46	-2	0.29	-0.11	0.18	2.58	102	2.97	94	79	32	0	3	3	0	
	DENVER INTL	57	33	76	26	45	-2	0.41	0.08	0.25	1.91	110	2.68	122	83	39	0	4	4	0	
	GRAND JUNCTION	62	37	75	24	50	-3	0.06	-0.13	0.05	0.63	36	2.18	76	78	33	0	1	2	0	
	PUEBLO	62	37	78	32	50	-2	1.38	1.09	0.98	4.67	221	5.59	207	83	49	0	1	4	1	
	BRIDGEPORT	67	51	86	42	59	7	0.98	0.10	0.81	9.15	115	14.34	98	87	64	0	0	4	1	
CT	HARTFORD	71	49	86	38	60	8	0.79	-0.10	0.54	7.55	100	13.53	94	89	66	0	0	2	1	
	WASHINGTON	73	58	91	49	65	6	0.32	-0.33	0.25	4.47	72	7.90	66	92	61	1	0	3	0	
	WILMINGTON	70	55	87	44	63	8	0.56	-0.23	0.50	7.30	102	11.32	84	96	60	0	0	4	1	
DE	DAYTONA BEACH	86	64	91	53	75	5	0.00	-0.46	0.00	2.29	36	6.30	52	98	46	2	0	0	0	
	JACKSONVILLE	87	59	94	53	73	5	0.00	-0.64	0.00	1.81	26	7.21	52	95	44	2	0	0	0	
	KEY WEST	83	75	85	71	79	1	0.14	-0.33	0.14	4.81	127	7.86	104	90	71	0	0	1	0	
FL	MIAMI	86	73	89	65	80	3	2.05	1.28	2.05	6.08	106	10.79	112	83	57	0	0	1	1	
	ORLANDO	89	63	94	53	76	3	0.00	-0.46	0.00	0.14	2	3.07	29	93	43	3	0	0	0	
	PENSACOLA	78	67	83	57	73	4	0.29	-0.44	0.29	2.92	28	18.27	90	84	61	0	0	1	0	
	TALLAHASSEE	83	59	89	49	71	3	0.03	-0.64	0.03	4.36	43	14.29	71	97	59	0	0	1	0	
	TAMPA	87	71	96	66	79	6	0.00	-0.36	0.00	1.58	35	4.50	47	80	47	2	0	0	0	
	WEST PALM BEACH	84	68	88	61	76	1	3.50	2.72	3.50	5.13	72	8.67	65	84	61	0	0	1	1	
GA	ATHENS	78	56	88	51	67	4	2.55	1.83	2.52	11.17	135	18.87	109	99	81	0	0	2	1	
	ATLANTA	77	60	87	52	69	5	0.93	0.14	0.84	8.43	95	18.48	100	92	74	0	0	3	1	
	AUGUSTA	84	61	92	54	72	8	1.25	0.69	1.21	4.35	58	16.58	103	92	62	2	0	2	1	
	COLUMBUS	81	62	90	56	71	5	2.74	1.94	2.04	5.94	62	20.20	108	88	52	1	0	2	2	
	MACON	82	60	89	54	71	6	1.52	0.90	0.82	4.46	56	17.66	101	94	51	0	0	2	2	
	SAVANNAH	86	65	92	59	76	9	0.04	-0.63	0.04	3.38	49	12.21	89	84	48	2	0	1	0	
HI	HILO	85	66	89	64	75	2	0.12	-2.43	0.05	7.32	27	25.83	57	83	66	0	0	4	0	
	HONOLULU	84	72	87	68	78	2	1.39	1.17	1.35	4.64	158	11.96	149	74	65	0	0	3	1	
	KAHULUI	85	67	89	65	76	2	1.18	0.87	1.17	7.10	174	9.58	94	86	72	0	0	2	1	
	LIHUE	82	71	84	67	77	3	1.17	0.51	0.48	6.49	101	12.97	91	84	69	0	0	4	0	
	BOISE	57	40	65	34	49	-4	0.60	0.32	0.32	4.50	174	8.68	170	81	58	0	0	4	0	
	LEWISTON	59	44	66	39	51	-2	0.90	0.60	0.44	5.35	237	8.13	187	87	63	0	0	4	0	
ID	POCATELLO	53	35	62	26	44	-4	0.55	0.28	0.21	3.42	140	9.37	203	87	63	0	2	5	0	
	CHICAGO/O'HARE	67	44	79	37	56	5	2.31	1.47	1.95	9.63	156	14.02	147	85	48	0	0	3	1	
	MOLINE	64	40	80	35	52	-2	2.15	1.27	1.14	8.84	136	11.25	117	84	58	0	0	4	2	
	PEORIA	67	44	80	36	56	2	3.95	3.07	2.90	11.23	183	13.89	149	83	51	0	0	4	2	
	ROCKFORD	64	42	79	35	53	2	2.28	1.43	1.01	9.18	158	13.21	155	82	52	0	0	4	3	
	SPRINGFIELD	69	48	83	37	59	3	3.25	2.46	2.24	10.30	163	11.97	123	85	50	0	0	4	2	
IN	EVANSVILLE	77	53	84	46	65	7	5.90	4.83	2.87	12.99	152	16.26	112	80	54	0	0	4	2	
	FORT WAYNE	69	46	85	36	58	6	1.13	0.30	0.74	7.40	119	13.87	136	85	50	0	0	4	1	
	INDIANAPOLIS	74	50	83	40	62	7	3.37	2.50	1.99	9.55	140	15.00	128	86	50	0	0	3	2	
	SOUTH BEND	68	43	82	31	56	5	0.48	-0.33	0.27	6.41	101	13.40	127	84	49	0	1	2	0	
	BURLINGTON	65	43	78	37	54	-1	2.17	1.30	1.07	7.52	119	9.38	102	89	54	0	0	4	2	
	CEDAR RAPIDS	60	39																		

Weather Data for the Week Ending April 29, 2017

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 MAR 1	PCT. NORMAL SINCE MAR 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		
KY	WICHITA	66	42	76	34	54	-4	1.35	0.74	1.32	10.45	205	14.07	202	87	59	0	0	3	1		
	JACKSON	75	54	88	46	65	6	0.80	-0.12	0.75	8.44	106	16.01	105	90	51	0	0	2	1		
	LEXINGTON	75	51	86	43	63	6	0.06	-0.80	0.05	4.98	63	13.08	90	79	58	0	0	2	0		
	LOUISVILLE	78	55	86	47	66	7	1.53	0.59	1.19	8.11	100	14.38	98	82	49	0	0	3	1		
LA	PADUCAH	77	54	86	47	65	6	2.17	0.98	1.53	9.80	110	14.63	90	88	47	0	0	5	2		
	BATON ROUGE	82	61	90	50	71	3	0.03	-1.27	0.03	8.31	80	19.74	91	91	48	1	0	1	0		
	LAKE CHARLES	80	60	85	50	70	1	0.03	-0.88	0.02	6.15	89	13.10	83	91	58	0	0	2	0		
	NEW ORLEANS	80	63	85	52	72	2	0.01	-1.06	0.01	5.44	54	13.08	61	87	63	0	0	1	0		
ME	SHREVEPORT	80	54	89	44	67	0	0.58	-0.49	0.45	5.62	67	9.76	57	93	55	0	0	2	0		
	CARIBOU	58	37	67	25	48	6	0.75	0.13	0.55	6.58	131	12.20	121	88	59	0	2	4	1		
	PORTLAND	62	42	81	34	52	5	1.85	0.90	1.22	9.46	115	17.66	114	95	65	0	0	2	2		
	BALTIMORE	71	55	89	46	63	7	0.67	-0.02	0.55	7.34	108	11.49	87	95	66	0	0	2	1		
MA	BOSTON	65	48	84	41	56	5	1.46	0.68	1.02	9.79	134	17.26	119	90	67	0	0	3	1		
	WORCESTER	66	46	79	36	56	8	0.84	-0.04	0.43	8.63	108	14.98	99	89	48	0	0	3	0		
MI	ALPENA	60	38	77	31	49	5	0.00	-0.53	0.00	6.85	159	12.70	171	88	52	0	1	0	0		
	GRAND RAPIDS	68	45	81	35	56	6	0.99	0.19	0.68	8.34	142	13.90	147	91	48	0	0	2	1		
	HOUGHTON LAKE	66	40	76	33	53	8	0.06	-0.44	0.04	7.26	172	12.74	180	74	45	0	0	2	0		
	LANSING	70	45	82	35	57	8	0.19	-0.48	0.19	7.53	142	13.81	165	76	44	0	0	1	0		
MN	MUSKEGON	67	44	80	32	55	7	0.79	0.13	0.42	6.36	125	12.06	136	80	46	0	1	3	0		
	TRAVERSE CITY	63	41	78	31	52	6	0.21	-0.38	0.19	4.28	93	10.44	112	81	43	0	1	2	0		
	DULUTH	44	28	59	23	36	-7	1.01	0.54	0.44	4.07	112	7.03	126	86	66	0	6	3	0		
	INT'L FALLS	39	25	55	20	32	-12	0.96	0.63	0.66	2.26	102	5.01	136	85	55	0	7	4	1		
MS	MINNEAPOLIS	56	41	72	32	49	-2	0.86	0.34	0.45	4.43	110	6.05	103	75	49	0	1	4	0		
	ROCHESTER	56	38	70	29	47	-2	0.27	-0.45	0.24	6.65	142	10.42	164	81	57	0	2	3	0		
	ST. CLOUD	53	33	69	28	43	-5	0.79	0.32	0.42	3.54	101	5.06	104	90	49	0	4	2	0		
	JACKSON	79	57	89	49	68	3	1.02	-0.33	0.94	14.29	124	24.50	113	92	54	0	0	2	1		
MO	MERIDIAN	80	57	89	49	69	3	0.60	-0.63	0.51	13.07	105	22.64	96	93	66	0	0	4	1		
	TUPELO	75	56	87	48	66	3	0.67	-0.44	0.64	8.04	73	16.51	79	89	71	0	0	3	1		
	COLUMBIA	68	46	83	38	57	0	6.04	5.00	4.42	11.00	155	12.52	114	86	59	0	0	3	2		
	KANSAS CITY	62	43	75	41	53	-4	2.03	1.10	1.65	9.10	166	10.55	133	88	56	0	0	5	1		
MT	SAINT LOUIS	72	50	82	44	61	1	5.52	4.65	3.15	12.61	178	14.90	130	76	60	0	0	4	3		
	SPRINGFIELD	70	47	81	38	58	0	6.01	5.03	3.89	16.00	202	20.46	166	88	69	0	0	3	3		
	BILLINGS	53	37	67	32	45	-4	1.06	0.61	0.77	5.56	207	7.32	180	92	60	0	1	5	1		
	BUTTE	50	32	55	27	41	0	0.81	0.55	0.65	2.95	172	3.74	138	86	37	0	5	4	1		
NE	CUT BANK	49	34	56	31	42	-2	0.49	0.24	0.25	2.58	197	3.85	194	97	54	0	2	5	0		
	GLASGOW	52	32	61	29	42	-6	0.03	-0.17	0.02	0.87	80	1.89	111	76	50	0	5	2	0		
	GREAT FALLS	53	34	58	30	44	-1	0.73	0.36	0.32	3.99	177	5.41	157	93	52	0	3	5	0		
	HAVRE	53	33	59	28	43	-5	0.11	-0.12	0.06	0.81	57	2.19	97	95	67	0	4	4	0		
NV	MISSOULA	54	38	59	33	46	-1	0.43	0.15	0.17	3.28	172	6.58	176	88	62	0	0	4	0		
	GRAND ISLAND	56	36	75	25	46	-7	0.80	0.14	0.70	1.74	39	3.06	54	89	62	0	2	3	1		
	LINCOLN	58	38	76	32	48	-6	0.73	-0.01	0.47	3.97	82	5.62	91	83	55	0	2	3	0		
	NORFOLK	54	36	73	29	45	-7	0.47	-0.17	0.25	3.23	74	5.47	96	78	57	0	2	2	0		
NY	NORTH PLATTE	57	35	74	30	46	-5	1.85	1.32	1.08	3.98	134	5.97	154	86	50	0	3	3	2		
	OMAHA	59	41	76	36	50	-5	0.56	-0.20	0.45	3.90	81	6.00	94	76	55	0	0	3	0		
	SCOTTSBLUFF	57	35	78	31	46	-3	1.21	0.75	0.55	3.11	112	5.33	137	84	57	0	3	5	1		
	VALENTINE	55	34	75	21	45	-4	0.13	-0.41	0.10	2.04	72	4.45	123	71	49	0	3	2	0		
OH	ELY	54	29	64	23	42	-2	0.14	-0.07	0.08	2.68	144	5.93	177	74	47	0	6	3	0		
	LAS VEGAS	82	63	89	57	73	5	0.00	-0.02	0.00	0.05	7	1.51	77	18	12	0	0	0	0		
	RENO	64	42	70	34	53	3	0.03	-0.03	0.03	1.55	136	10.54	323	56	34	0	0	1	0		
	WINNEMUCCA	58	35	67	18	46	-3	0.27	0.08	0.15	2.23	137	4.82	156	85	51	0	2	3	0		
NC	CONCORD	70	44	84	32	57	9	0.93	0.22	0.60	8.15	137	13.38	119	91	48	0	1	3	1		
	NEWARK	69	53	86	44	61	6	1.14	0.22	0.88	8.56	108	15.29	103	91	63	0	0	3	1		
	ALBUQUERQUE	68	43	82	32	55	-3	0.57	0.46	0.23	0.98	92	2.37	118	67	28	0	1	3	0		
	ALBANY	72	48	81	35	60	10	0.25	-0.49	0.18	6.94	111	12.92	119	82	42	0	0	2	0		
ND	BINGHAMTON	68	46	76	32	57	9	0.68	-0.13	0.60	11.14	177	17.40	154	83	58	0	1	2	1		
	BUFFALO	67	45	85	34	56	7	0.45	-0.22	0.36	9.67	164	14.85	130	81	49	0	0	2	0		
	ROCHESTER	69	46	86	36	57	8	0.42	-0.19	0.21	9.19	177	14.27	149	76	61	0	0	2	0		
	SYRACUSE	70	45	82	32	57	8	0.33	-0.44	0.19	8.79	141	15.37	140	88	47	0	1	3	0		
OH	ASHEVILLE	70	53	84	47	61	5	3.29	2.53	2.05	9.78	123	14.20	90	91	66	0	0	5	2		
	CHARLOTTE	74	58	86	51	66	3	3.36	2.73	2.24	8.26	114	15.17	103	91	65	0	0	3	2		
	GREENSBORO	71	57	86	48	64	4	4.23	3.43	2.51	8.28	117	13.89	101	99	73	0	0	4	2		
	HATTERAS	76	66	81	58	71	9	3.72	3.06	2.10	13.31	163	19.62	109	91	69	0	0	4	2		
OH	RALEIGH	75	60	89	53	68	7	7.45	6.81	4.81	11.77	176	16.20	114	91	74	0	0	3	3		
	WILMINGTON	79	64	86	59	71	6	4.22	3.54	3.67	9.76	139	15.30	101	98	66	0	0	3	2		
	BISMARCK	49	29	65	22	39	-8	0.13	-0.24	0.13	1.56	73	3.36	108	86	50	0	6	1	0		
	DICKINSON	46	25	61	17	35	-12	0.00	-0.44	0.00	1.15	50	1.93	62	89	46	0	7	0	0		
OH	FARGO	47	29	62	24	38	-10	0.32	-0.01	0.27	1.77	74	3.54	95	93	59	0	5	3	0		
	GRAND FORKS	44	30	62	22	37																

Weather Data for the Week Ending April 29, 2017

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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
OK	TOLEDO	68	45	85	33	57	6	0.54	-0.18	0.34	6.47	113	12.24	129	89	58	0	0	3	0	
	YOUNGSTOWN	70	44	80	31	57	7	1.56	0.79	0.71	8.75	140	16.63	157	81	53	0	1	4	1	
	OKLAHOMA CITY	72	46	85	38	59	-3	2.05	1.26	2.02	8.14	145	12.83	152	90	49	0	0	2	1	
OR	TULSA	71	48	81	39	60	-3	4.31	3.29	2.83	12.24	170	16.83	157	92	66	0	0	5	2	
	ASTORIA	54	43	56	36	48	-2	2.76	1.80	0.91	23.14	188	41.02	138	90	78	0	0	7	3	
	BURNS	52	31	60	23	41	-4	0.38	0.19	0.20	2.88	144	7.88	184	88	58	0	5	4	0	
PA	EUGENE	59	42	71	34	50	-1	1.24	0.52	0.48	9.33	99	22.71	97	96	77	0	0	6	0	
	MEDFORD	62	42	74	36	52	-1	0.30	0.02	0.27	3.03	99	12.04	158	88	50	0	0	3	0	
	PENDLETON	58	42	61	35	50	-3	0.67	0.42	0.32	4.28	187	8.20	165	83	61	0	0	4	0	
	PORTLAND	58	44	64	39	51	-2	1.79	1.23	1.06	11.73	187	26.22	169	90	74	0	0	6	1	
	SALEM	59	42	66	36	50	-1	1.72	1.15	0.62	12.03	176	30.84	173	89	71	0	0	6	1	
	ALLENTOWN	72	51	82	38	62	10	0.39	-0.44	0.27	7.88	115	12.97	99	84	54	0	0	3	0	
	ERIE	67	46	84	33	57	7	0.44	-0.29	0.28	7.45	117	14.87	133	79	60	0	0	4	0	
	MIDDLETOWN	72	52	85	39	62	8	0.73	-0.07	0.42	8.12	129	12.50	104	97	52	0	0	4	0	
	PHILADELPHIA	72	56	88	46	64	8	0.70	-0.11	0.61	7.41	104	11.62	87	87	68	0	0	5	1	
	PITTSBURGH	72	48	81	38	60	7	1.20	0.50	0.57	8.46	141	14.76	133	92	50	0	0	4	1	
RI	WILKES-BARRE	73	50	80	35	61	9	0.09	-0.69	0.05	8.45	146	14.68	142	87	40	0	0	3	0	
	WILLIAMSPORT	73	50	80	34	62	10	0.23	-0.57	0.10	7.47	115	12.77	107	89	56	0	0	5	0	
	PROVIDENCE	67	49	87	39	58	7	2.47	1.58	1.47	10.83	128	18.01	111	93	75	0	0	3	2	
SC	BEAUFORT	84	66	88	59	75	8	0.08	-0.46	0.06	4.88	73	10.79	78	97	53	0	0	3	0	
	CHARLESTON	83	65	86	58	74	8	1.82	1.29	1.82	7.24	108	11.42	82	91	58	0	0	1	1	
	COLUMBIA	81	62	92	57	71	6	2.48	1.93	1.70	8.47	112	17.11	107	89	62	2	0	3	2	
SD	GREENVILLE	74	56	85	49	65	4	3.53	2.74	1.85	14.46	166	20.18	116	94	67	0	0	3	2	
	ABERDEEN	51	29	71	24	40	-9	0.18	-0.25	0.18	2.05	68	3.23	81	84	57	0	5	1	0	
	HURON	54	30	74	22	42	-8	0.00	-0.55	0.00	1.90	51	3.31	69	90	47	0	5	0	0	
TN	RAPID CITY	52	31	71	24	41	-7	0.33	-0.16	0.33	2.65	99	3.76	107	88	52	0	4	1	0	
	SIOUX FALLS	54	35	71	24	45	-4	0.29	-0.34	0.28	2.37	56	4.22	80	85	61	0	3	2	0	
	BRISTOL	75	52	90	48	63	6	2.20	1.42	1.88	9.56	138	14.65	106	98	57	1	0	2	1	
TX	CHATTANOOGA	78	57	89	54	68	6	2.55	1.67	1.85	12.63	122	21.05	102	94	63	0	0	4	1	
	KNOXVILLE	76	55	89	52	66	6	2.66	1.75	1.97	13.34	149	19.88	113	91	59	0	0	2	2	
	MEMPHIS	77	56	88	48	66	2	1.41	0.07	1.02	7.91	71	13.57	69	90	55	0	0	4	1	
	NASHVILLE	76	55	91	50	66	5	1.32	0.40	1.04	11.21	131	16.11	99	93	56	1	0	3	1	
	ABILENE	82	51	95	40	67	0	0.02	-0.39	0.02	1.76	60	5.14	102	76	45	1	0	1	0	
	AMARILLO	71	41	89	32	56	-2	0.89	0.58	0.64	3.19	138	6.87	196	85	33	0	2	4	1	
	AUSTIN	88	57	95	44	72	2	0.07	-0.65	0.07	4.42	101	11.73	142	81	43	4	0	1	0	
	BEAUMONT	82	61	87	52	72	2	0.02	-0.90	0.02	9.77	133	11.82	72	89	53	0	0	1	0	
	BROWNSVILLE	91	71	104	58	81	6	0.14	-0.36	0.14	2.47	91	4.01	76	83	57	4	0	1	0	
	CORPUS CHRISTI	88	64	99	53	76	3	0.29	-0.24	0.28	7.18	201	10.02	143	88	54	3	0	2	0	
UT	DEL RIO	88	61	91	54	75	3	0.00	-0.39	0.00	***	***	7.13	193	78	44	3	0	0	0	
	EL PASO	84	58	91	43	71	4	0.14	0.08	0.14	0.14	34	1.34	107	40	15	1	0	1	0	
	FORT WORTH	82	54	91	46	68	1	0.05	-0.82	0.05	4.42	74	11.14	109	84	47	1	0	1	0	
	GALVESTON	81	68	86	58	75	3	0.00	-0.59	0.00	2.59	50	6.86	58	85	62	0	0	0	0	
	HOUSTON	84	62	91	52	73	3	0.01	-0.85	0.01	7.32	109	15.83	118	80	55	2	0	1	0	
	LUBBOCK	79	46	94	37	63	0	0.51	0.17	0.51	1.99	105	4.91	158	67	39	1	0	1	1	
	MIDLAND	86	53	95	41	70	4	0.00	-0.24	0.00	2.98	304	4.82	231	55	35	4	0	0	0	
	SAN ANGELO	86	53	97	40	70	3	0.00	-0.46	0.00	1.72	73	4.43	102	65	30	3	0	0	0	
	SAN ANTONIO	87	58	92	48	73	3	0.08	-0.62	0.08	4.94	117	11.27	148	81	36	4	0	1	0	
	VICTORIA	85	60	95	50	73	2	0.13	-0.66	0.13	7.89	160	16.49	175	85	50	1	0	1	0	
VA	WACO	83	52	90	43	68	0	0.01	-0.82	0.01	10.29	199	16.45	173	92	53	2	0	1	0	
	WICHITA FALLS	79	49	93	41	64	-1	0.14	-0.51	0.13	1.79	38	5.75	78	81	51	1	0	2	0	
	SALT LAKE CITY	56	40	67	35	48	-4	0.99	0.50	0.51	6.74	179	10.40	161	81	47	0	0	5	1	
WV	BURLINGTON	69	45	81	35	57	10	0.21	-0.48	0.17	7.07	141	11.74	132	83	40	0	0	2	0	
	LYNCHBURG	70	52	86	47	61	3	2.13	1.31	1.41	6.65	94	11.03	80	98	66	0	0	3	2	
	NORFOLK	77	63	91	55	70	10	2.00	1.24	0.81	8.19	112	13.26	91	90	63	1	0	5	2	
WA	RICHMOND	74	59	88	50	66	6	0.96	0.24	0.37	5.96	84	10.96	80	97	72	0	0	6	0	
	ROANOKE	71	54	87	47	62	4	3.21	2.36	1.71	8.24	114	12.88	95	95	74	0	0	4	2	
	WASH/DULLES	72	54	89	45	63	7	0.44	-0.31	0.27	5.70	86	9.14	74	89	63	0	0	2	0	
WY	OLYMPIA	56	39	61	32	48	-1	1.35	0.65	0.42	16.80	190	29.80	132	98	77	0	2	6	0	
	QUILLAYUTE	53	40	58	36	46	-2	2.45	0.90	1.24	35.66	195	55.71	126	99	77	0	0	6	2	
	SEATTLE-TACOMA	57	45	59	42	51	-1	0.77	0.27	0.49	11.46	182	24.52	157	90	71	0	0	6	0	
WI	SPOKANE	55	40	58	36	47	-2	0.19	-0.11	0.09	5.71	211	11.95	198	84	49	0	0	4	0	
	YAKIMA	64	39	69	33	52	1	0.00	-0.09	0.00	2.34	198	6.90	219	74	45	0	0	0	0	
	BECKLEY	70	52	85	45	61	7	0.47	-0.37	0.30	7.37	108	13.74	106	89	58	0	0	4	0	
WV	CHARLESTON	74	53	86	44	64	7	0.50	-0.27	0.26	6.94	100	15.24	114	92	53	0	0	5	0	
	ELKINS	72	46	83	35	59	8	0.63	-0.22	0.24	9.08	126	16.33	118	93	43	0	0	4	0	
	HUNTINGTON	75	52	84	43	64	6	0.14	-0.66	0.11	5.91	85	13.71	103	90	52	0	0	2	0	
WI	EAU CLAIRE	58	38	73	31	48	-1	0.87	0.18	0.55	5.49	120	9.56	149	88	45	0	3	2	1	
	GREEN BAY	60	40	73	34	50	2	1.09	0.52	0.91	6.46	144	9.81	1							

National Agricultural Summary

April 24 – 30, 2017

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Cool weather stretched from the Pacific Coast to the Mississippi Valley. Some locations from Nebraska to North Dakota and Minnesota recorded average temperatures more than 9°F below normal. On the northeastern Plains, measurable snowfall and low temperatures

were reported. Precipitation was above normal across several regions, with notably heavy rainfall across the middle Mississippi Valley and the Mid-Atlantic States. A large portion of southern Missouri received more than 7.5 inches of rain during the week.

Corn: Producers had planted 34 percent of this year's corn crop by April 30, nine percentage points behind last year but equal to the 5-year average. Planting progress was well ahead of historical averages in most of the eastern Corn Belt States, including Ohio at 21 percentage points ahead of the 5-year average. By week's end, 9 percent of the nation's corn crop had emerged, 3 percentage points behind last year but slightly ahead of the 5-year average.

Soybeans: By week's end, 10 percent of the nation's soybean crop was planted, 3 percentage points ahead of both last year and the 5-year average. Favorable planting conditions in Indiana and Ohio led to double-digit advances in weekly planting progress.

Winter Wheat: By April 30, heading of the winter wheat crop had advanced to 42 percent complete, 2 percentage points ahead of last year and 8 points ahead of the 5-year average. Heading progress during the week advanced at least 20 percentage points in Illinois, Missouri, and North Carolina. Overall, 54 percent of the winter wheat crop was reported in good to excellent condition, unchanged from last week but 7 percentage points lower than at the same time last year.

Cotton: Nationally, producers had planted 14 percent of the cotton crop by week's end, slightly behind last year and 3 percentage points behind the 5-year average. Producers in Texas, the largest cotton-producing state, had planted 13 percent of the crop by week's end, 3 percentage points behind the 5-year average.

Sorghum: Planting advanced to 27 percent complete by April 30, four percentage points ahead of last year and slightly ahead of the 5-year average. Rainfall slowed planting progress in the lower Mississippi Valley.

Rice: By week's end, 73 percent of the rice crop was seeded, 2 percentage points ahead of last year and 15 points ahead of the 5-year average. Nationally, emergence advanced to 58 percent complete, 5 percentage points ahead of last year and 17 points ahead of the 5-year

average. An additional 20 percent of the crop emerged during the week in Arkansas, the nation's leading rice-producing state.

Other Small Grains: By April 30, oat producers had sown 67 percent of the nation's crop, 10 percentage points behind last year and 3 points behind the 5-year average. Nationally, 47 percent of the oat crop had emerged by week's end, 7 percentage points behind last year and 3 points behind the 5-year average. At least 20 percent of the crop emerged during the week in Ohio, Pennsylvania, and South Dakota.

Nationwide, barley producers had seeded 32 percent of the nation's crop by week's end, 23 percentage points behind last year and 21 points behind the 5-year average. All estimating states remained well behind their respective 5-year averages. By April 30, emergence was evident in 14 percent of the nation's barley acreage, 13 percentage points behind last year and 7 points behind the 5-year average.

Thirty-one percent of the spring wheat crop was seeded by April 30, twenty-one percentage points behind last year and 15 points behind the 5-year average. Planting progress was behind the 5-year average in all estimating states except South Dakota. By week's end, 9 percent of the spring wheat crop had emerged, 11 percentage points behind last year and 8 points behind the 5-year average.

Other Crops: Nationally, peanut producers had planted 12 percent of this year's crop by week's end, slightly ahead of last year and 2 percentage points ahead of the 5-year average. Planting was most advanced in Florida, at 20 percent complete, 4 percentage points ahead of the 5-year average.

By April 30, sugarbeet producers had planted 48 percent of the nation's crop, 29 percentage points behind last year and 12 points behind the 5-year average. In Michigan, planting progress advanced 25 percentage points during the week to 32 percent complete.

Crop Progress and Condition**Week Ending April 30, 2017**

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

Corn Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
CO	17	8	16	19
IL	63	34	63	47
IN	27	15	45	26
IA	55	8	28	35
KS	49	21	38	41
KY	62	29	42	45
MI	7	1	5	12
MN	57	6	12	36
MO	88	46	67	56
NE	25	17	34	30
NC	82	63	79	77
ND	15	1	3	15
OH	24	9	42	21
PA	31	6	9	17
SD	11	3	7	20
TN	78	45	66	63
TX	64	68	71	67
WI	20	1	5	14
18 Sts	43	17	34	34
These 18 States planted 92% of last year's corn acreage.				

Corn Percent Emerged				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
CO	0	0	0	1
IL	22	5	20	15
IN	3	2	10	7
IA	6	0	1	3
KS	26	4	12	18
KY	26	10	24	21
MI	0	0	0	1
MN	4	0	0	2
MO	52	13	30	27
NE	6	2	3	4
NC	52	12	54	50
ND	1	0	0	0
OH	1	0	5	2
PA	2	0	2	1
SD	0	0	0	1
TN	41	21	40	34
TX	46	60	64	55
WI	1	0	0	0
18 Sts	12	4	9	8
These 18 States planted 92% of last year's corn acreage.				

Soybeans Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
AR	30	39	45	26
IL	8	4	13	6
IN	5	3	16	8
IA	6	0	2	3
KS	2	0	2	3
KY	6	2	6	6
LA	28	59	66	39
MI	2	0	1	3
MN	5	0	0	6
MS	43	60	69	38
MO	10	2	5	5
NE	2	4	8	5
NC	4	1	5	3
ND	2	0	0	2
OH	4	1	14	5
SD	1	1	2	2
TN	11	4	6	6
WI	2	0	0	1
18 Sts	7	6	10	7
These 18 States planted 95% of last year's soybean acreage.				

Cotton Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
AL	21	4	11	18
AZ	72	53	67	69
AR	31	7	15	22
CA	84	50	51	74
GA	9	7	12	11
KS	0	0	0	2
LA	13	37	51	24
MS	19	11	20	17
MO	46	13	14	19
NC	4	1	4	7
OK	4	6	20	3
SC	15	2	18	12
TN	9	3	4	6
TX	13	12	13	16
VA	10	7	15	4
15 Sts	15	11	14	17
These 15 States planted 98% of last year's cotton acreage.				

Sorghum Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
AR	41	46	51	54
CO	1	0	0	2
IL	2	1	3	7
KS	0	0	0	0
LA	70	79	81	79
MO	20	10	13	10
NE	1	0	0	2
NM	6	0	1	6
OK	15	16	23	14
SD	0	0	0	0
TX	56	65	72	63
11 Sts	23	24	27	26
These 11 States planted 99% of last year's sorghum acreage.				

Peanuts Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
AL	8	1	7	10
FL	23	12	20	16
GA	12	5	15	11
NC	3	0	2	4
OK	10	3	19	15
SC	3	1	9	8
TX	11	0	5	5
VA	4	0	3	2
8 Sts	11	4	12	10
These 8 States planted 96% of last year's peanut acreage.				

Crop Progress and Condition

Week Ending April 30, 2017

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

Winter Wheat Percent Headed				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
AR	80	96	98	65
CA	89	90	96	89
CO	1	0	0	3
ID	4	0	1	2
IL	25	28	67	23
IN	12	18	32	11
KS	45	25	44	33
MI	0	0	0	0
MO	51	56	76	31
MT	0	0	0	0
NE	1	0	0	2
NC	56	59	89	59
OH	4	1	5	1
OK	70	65	76	68
OR	1	0	1	2
SD	0	0	0	0
TX	70	67	78	65
WA	13	0	0	3
18 Sts	40	32	42	34
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	2	5	29	54	10
CA	0	0	0	30	70
CO	3	13	37	42	5
ID	2	5	32	45	16
IL	0	5	23	60	12
IN	1	3	25	55	16
KS	4	12	35	43	6
MI	2	9	25	53	11
MO	0	5	30	58	7
MT	1	4	32	48	15
NE	2	12	36	46	4
NC	2	12	25	55	6
OH	0	2	17	61	20
OK	6	11	36	42	5
OR	0	5	10	59	26
SD	1	11	34	53	1
TX	2	13	41	37	7
WA	1	1	15	65	18
18 Sts	3	10	33	45	9
Prev Wk	3	10	33	45	9
Prev Yr	1	6	32	50	11

Rice Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
AR	85	84	89	65
CA	13	0	0	15
LA	81	89	93	88
MS	67	77	83	54
MO	93	65	67	61
TX	79	70	76	82
6 Sts	71	69	73	58
These 6 States planted 100% of last year's rice acreage.				

Rice Percent Emerged				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
AR	62	51	71	43
CA	0	0	0	4
LA	72	80	86	77
MS	50	43	56	38
MO	61	17	36	33
TX	75	60	69	74
6 Sts	53	45	58	41
These 6 States planted 100% of last year's rice acreage.				

Spring Wheat Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
ID	74	48	49	82
MN	61	14	21	49
MT	59	24	33	47
ND	37	9	18	33
SD	80	75	84	68
WA	81	38	49	82
6 Sts	52	22	31	46
These 6 States planted 99% of last year's spring wheat acreage.				

Spring Wheat Percent Emerged				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
ID	41	12	21	45
MN	24	2	5	22
MT	18	0	6	9
ND	9	2	2	9
SD	48	32	49	35
WA	54	1	11	49
6 Sts	20	5	9	17
These 6 States planted 99% of last year's spring wheat acreage.				

Sugarbeets Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
ID	71	78	84	87
MI	68	7	32	53
MN	86	32	47	55
ND	71	30	31	51
4 Sts	77	36	48	60
These 4 States planted 84% of last year's sugarbeet acreage.				

Crop Progress and Condition**Week Ending April 30, 2017**

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

Barley Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
ID	76	57	58	79
MN	44	8	10	41
MT	63	30	36	57
ND	34	6	13	28
WA	52	12	29	65
5 Sts	55	27	32	53
These 5 States planted 83% of last year's barley acreage.				

Oats Percent Planted				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
IA	95	69	82	81
MN	80	29	38	53
NE	86	81	90	89
ND	37	10	21	29
OH	74	51	75	64
PA	87	60	80	67
SD	79	68	84	72
TX	100	100	100	100
WI	52	19	33	44
9 Sts	77	57	67	70
These 9 States planted 66% of last year's oat acreage.				

Oats Percent Emerged				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
IA	64	26	45	48
MN	49	9	15	29
NE	68	39	56	62
ND	9	0	0	8
OH	36	17	41	31
PA	49	19	58	35
SD	50	30	50	39
TX	100	100	100	100
WI	16	5	17	16
9 Sts	54	37	47	50
These 9 States planted 66% of last year's oat acreage.				

Barley Percent Emerged				
	Prev Year	Prev Week	Apr 30 2017	5-Yr Avg
ID	51	26	37	44
MN	16	1	2	14
MT	27	2	13	16
ND	9	0	1	6
WA	35	1	4	34
5 Sts	27	7	14	21
These 5 States planted 83% of last year's barley acreage.				

VP - Very Poor;

P - Poor;

F - Fair;

G - Good;

EX - Excellent

NA - Not Available;

*Revised

Crop Progress and Condition

Week Ending April 30, 2017

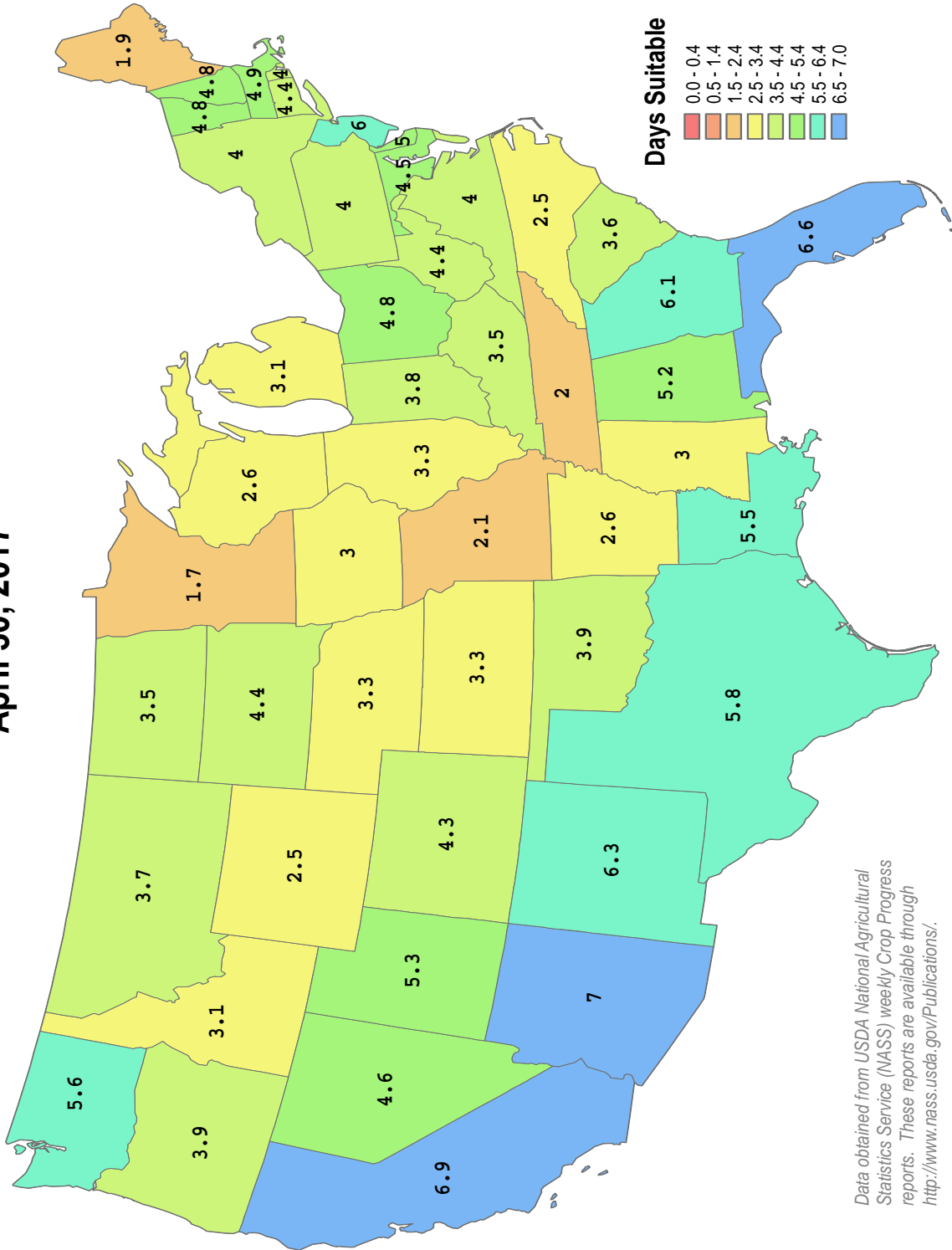
Weekly U.S. Progress and Condition Data provided by USDA/NASS

Days Suitable for Fieldwork

Week Ending
April 30, 2017



This product was prepared by the
USDA Office of the Chief Economist (OCE)
World Agricultural Outlook Board (WAOB)

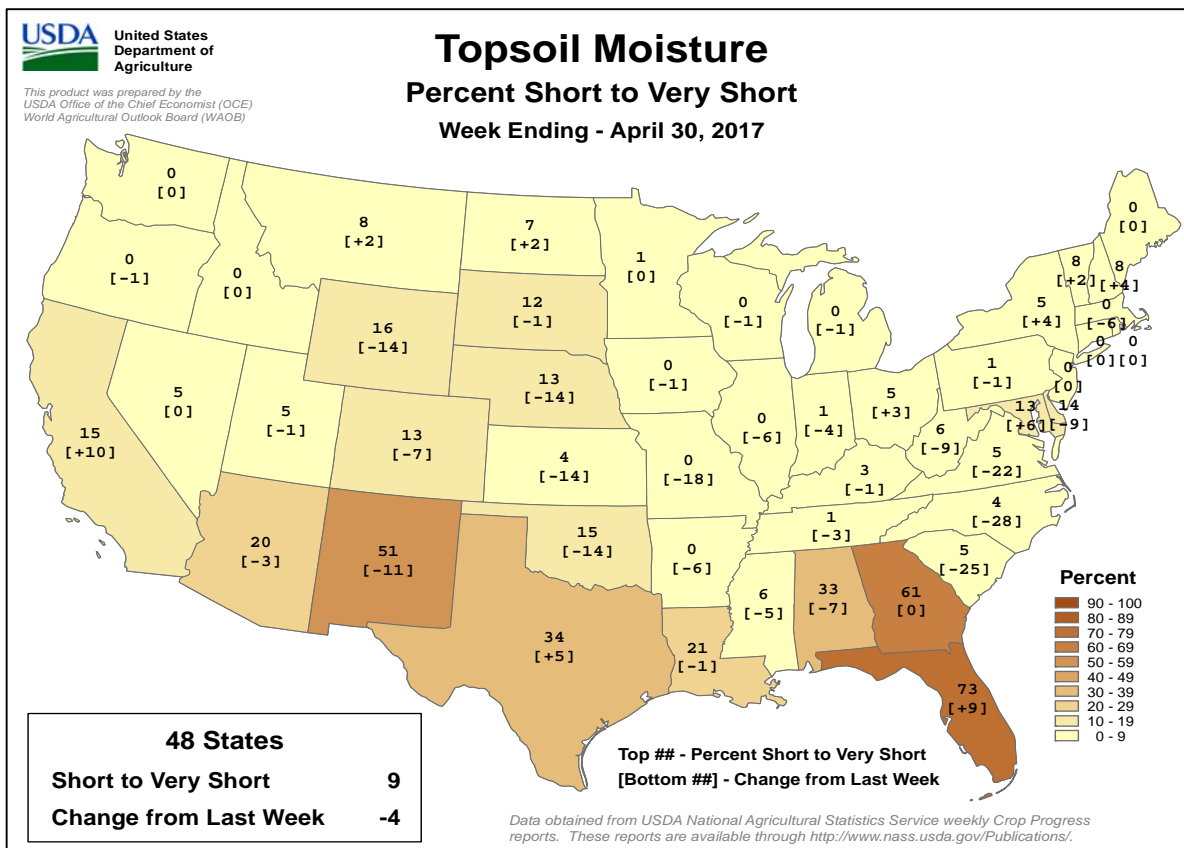
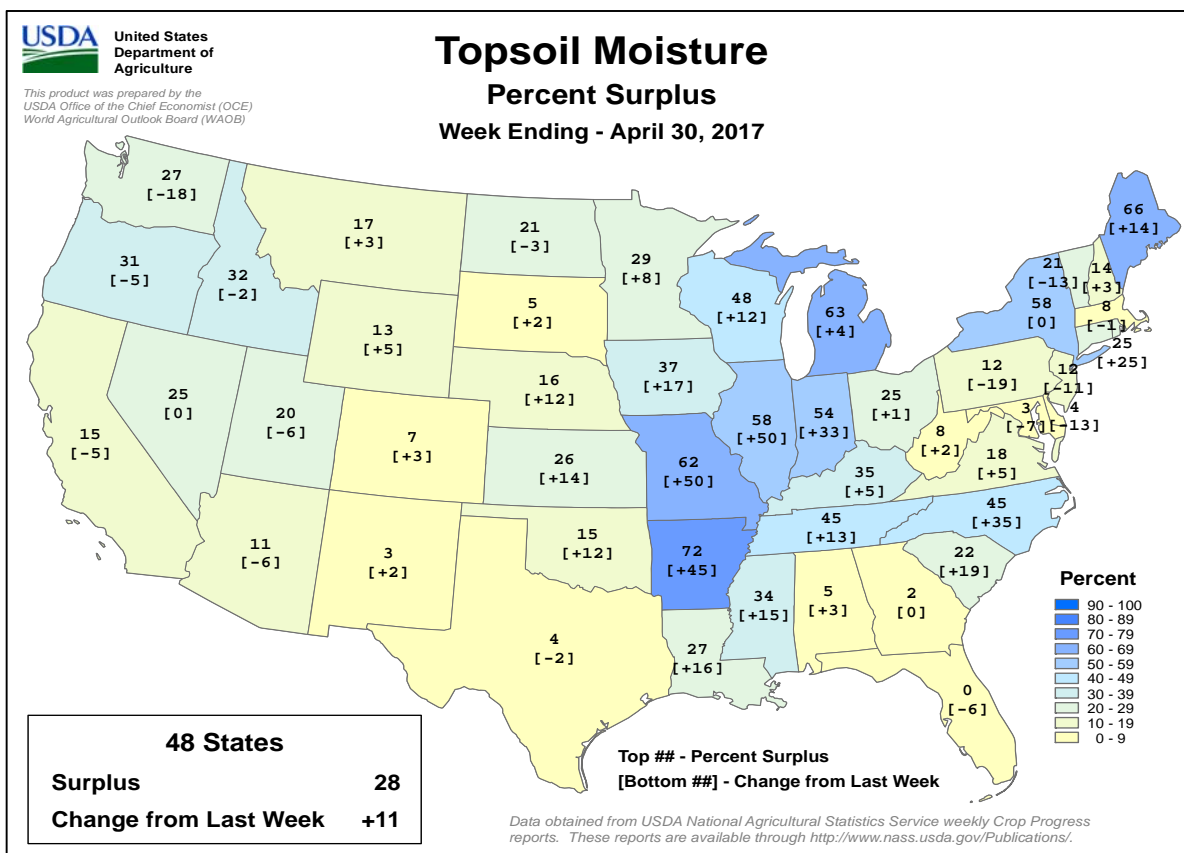


Data obtained from USDA National Agricultural
Statistics Service (NASS) weekly Crop Progress
reports. These reports are available through
<http://www.nass.usda.gov/Publications/>.

Crop Progress and Condition

Week Ending April 30, 2017

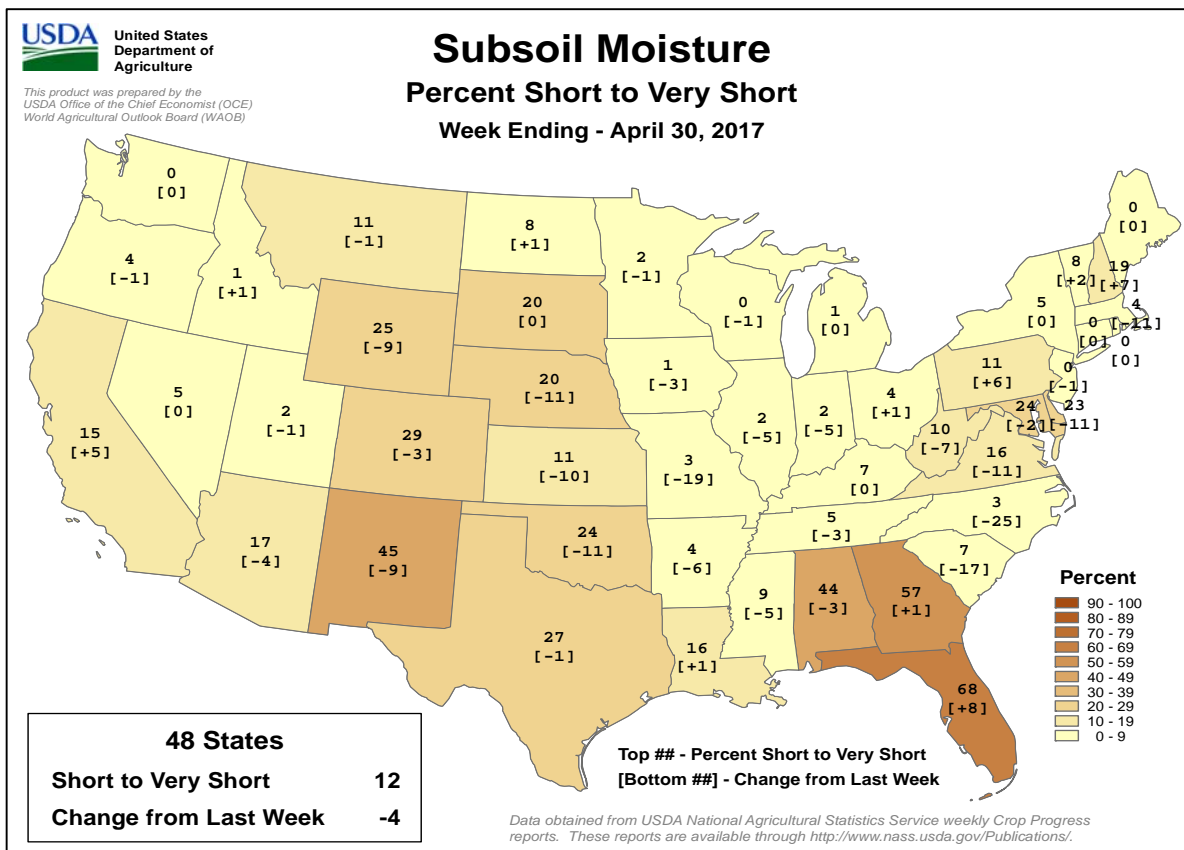
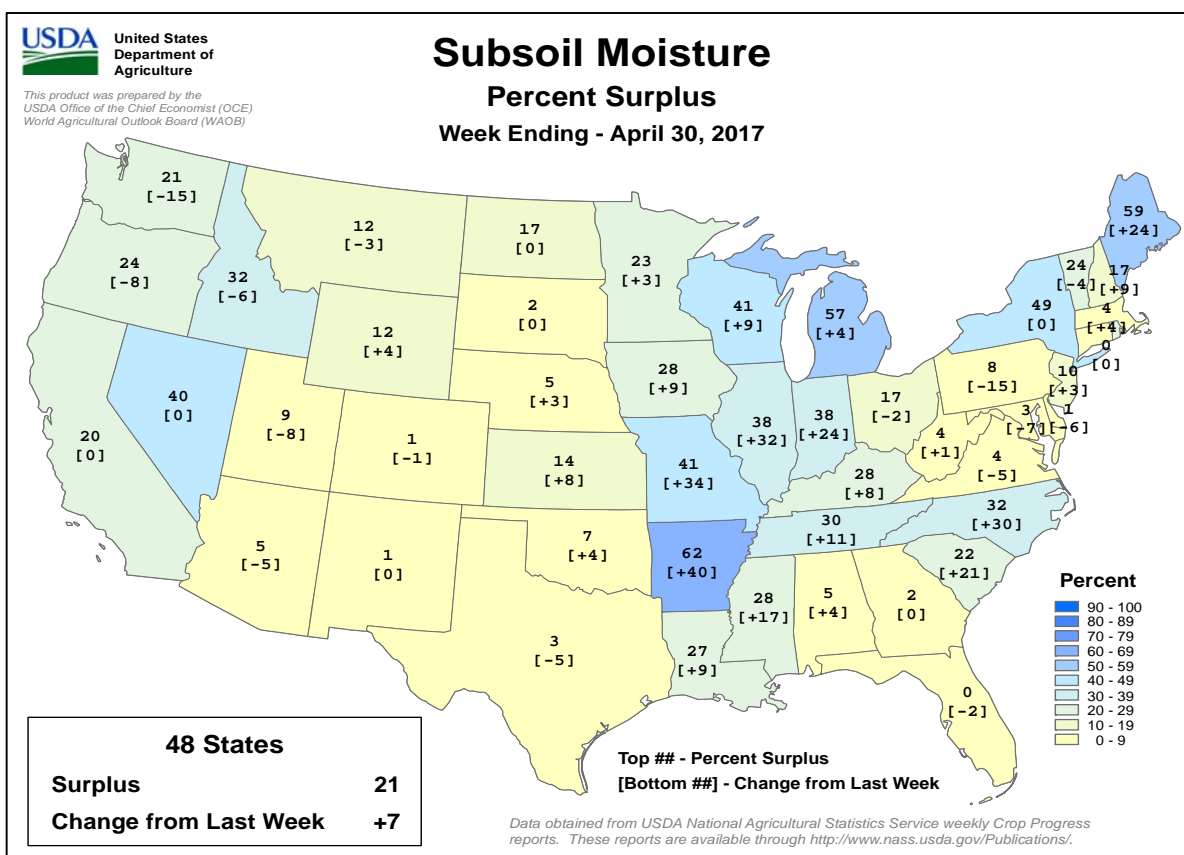
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending April 30, 2017

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



International Weather and Crop Summary

April 23-29, 2017

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

EUROPE: Hard freezes posed a risk to reproductive winter crops across northern portions of Spain and France, while rain soaked fields from southern Spain into Poland.

FSU-WESTERN: Moderate to heavy rain was beneficial for winter wheat, though drought concerns are increasing in northern Ukraine's corn areas.

FSU-EASTERN: Early spring wheat planting proceeded without significant delay, while prospects for irrigated winter wheat in Uzbekistan remained good to excellent.

MIDDLE EAST: Dryness concerns returned to Turkey, while winter grain prospects remained good to excellent in Iran despite this week's dry weather.

NORTHWEST AFRICA: Warm, generally dry weather accelerated winter grains toward maturity.

EAST ASIA: Rainfall continued to benefit rice in southern China but the weather was too wet for maturing rapeseed.

SOUTHEAST ASIA: Widespread showers increased soil moisture in northern areas ahead of the summer rainy season, while heavy showers in the south benefited rice and oil palm.

AUSTRALIA: Widespread showers helped condition fields for wheat, barley, and canola planting.

ARGENTINA: Showers returned to central Argentina, slowing corn and soybean harvesting but increasing topsoil moisture for germination of winter grains.

BRAZIL: Rain maintained favorable conditions for second-crop corn.

MEXICO: Warm, dry weather dominated the region as summer corn planting advanced.

April 2017

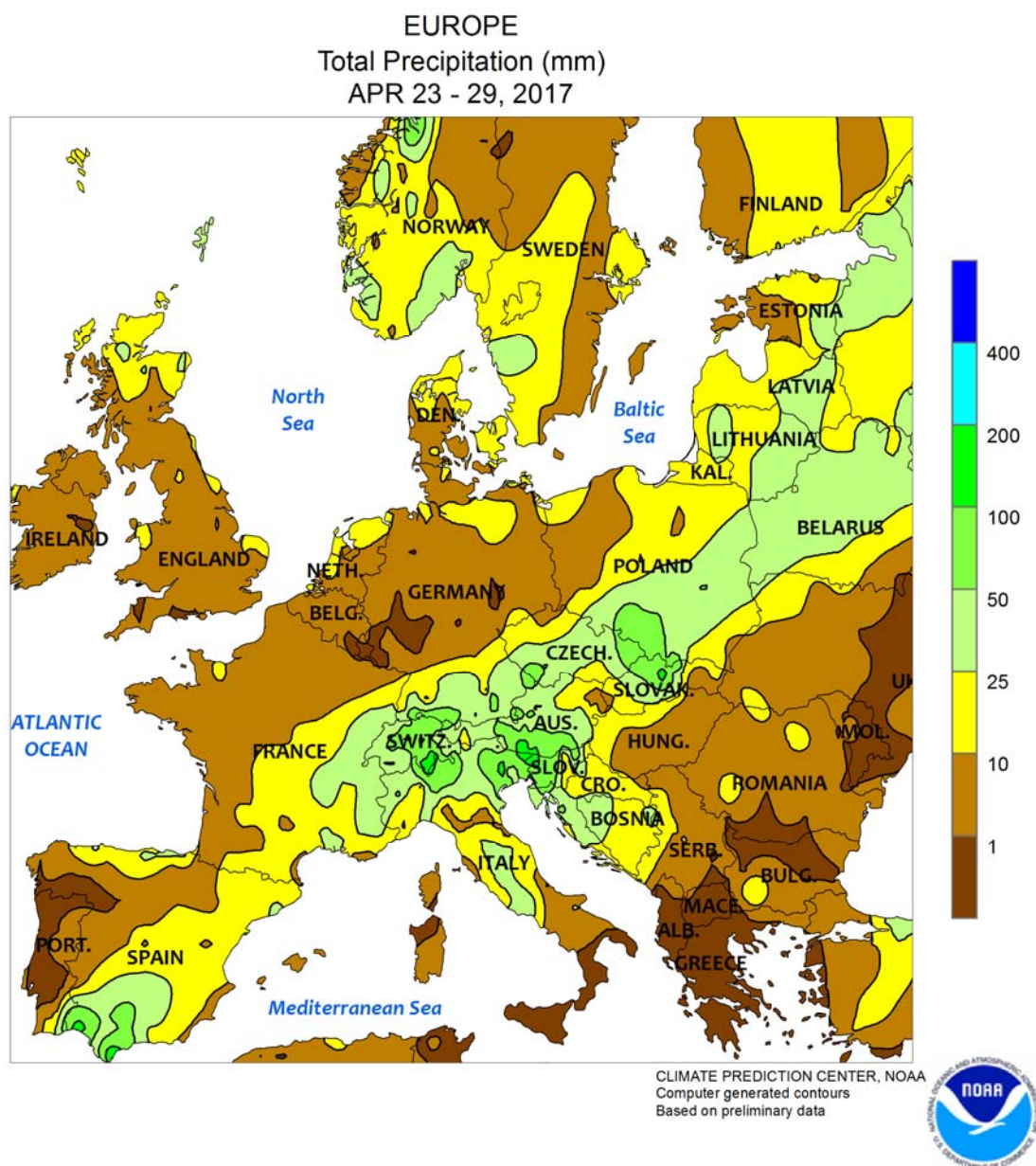
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	22	9	28	5	16	0.9	21	-28
	BATNA	22	5	29	-1	14	1.2	20	-5
ARGENT	IGUAZU	26	17	30	7	21	-0.5	259	98
	FORMOSA	27	17	33	9	22	-0.4	310	109
	CERES	25	14	31	6	19	0.4	84	-20
	CORDOBA	23	11	30	3	17	-0.3	42	-30
	RIO CUARTO	22	11	27	6	17	0.2	59	-2
	ROSARIO	23	13	29	3	18	0.6	125	-3
	BUENOS AIRES	23	13	28	5	18	1.4	81	-7
	SANTA ROSA	22	10	29	5	16	0.5	167	108
	TRES ARROYOS	20	10	28	3	15	0.8	121	37
AUSTRA	DARWIN	32	25	34	18	28	-0.2	66	-38
	BRISBANE	24	16	29	12	20	-1	15	-95
	PERTH	28	12	33	6	20	0.3	0	-35
	CEDUNA	23	11	33	5	17	-0.2	10	-9
	ADELAIDE	22	14	31	9	18	1	27	-10
	MELBOURNE	20	12	29	7	16	0.8	56	11
	WAGGA	23	10	28	3	16	0.6	19	-28
	CANBERRA	19	6	24	-1	13	-0.5	26	-22
AUSTRI	VIENNA	14	5	24	0	10	-0.4	123	84
	INNSBRUCK	15	4	24	-4	9	0.8	111	48
BAHAMA	NASSAU	29	22	33	19	25	1.7	19	-41
BARBAD	BRIDGETOWN	30	25	31	24	28	1.3	35	-21
BELARU	MINSK	10	2	22	-4	6	-0.4	74	25
BERMUD	ST GEORGES	22	18	25	16	20	0.5	20	-76
BOLIVI	LA PAZ	15	2	19	-3	8	-0.1	53	-38
BRAZIL	FORTALEZA	30	25	32	24	28	0.2	203	-150
	RECIFE	30	26	32	24	28	-0.4	141	-111
	CAMPO GRANDE	28	19	33	12	23	-1.3	150	56
	FRANCA	28	18	30	14	23	1.3	68	4
	RIO DE JANEIRO	27	21	34	18	24	-0.7	78	-31
	LONDRINA	28	17	32	9	23	0.8	166	51
	SANTA MARIA	25	15	32	6	20	0.1	107	-63
	TORRES	25	17	28	8	21	-2.9	64	-46
BULGAR	SOFIA	17	5	27	-2	11	0.3	55	3
BURKIN	OUAGADOUGOU	40	28	43	25	34	1.2	14	-6
CANADA	TORONTO	15	4	26	-1	9	3.1	111	41
	MONTREAL	12	3	25	-2	8	2.1	160	79
	WINNIPEG	11	-1	21	-7	5	1	0	-33
	REGINA	11	-2	23	-11	5	0.4	0	-24
	SASKATOON	10	-2	21	-9	4	-0.3	0	-25
	LETHBRIDGE	***	***	***	***	***	*****	*****	*****
	CALGARY	10	-1	18	-7	5	0.2	67	44
	VANCOUVER	13	7	15	2	10	0.3	140	56
CANARY	LAS PALMAS	25	18	34	15	21	2.2	1	-5
CHILE	SANTIAGO	24	9	32	2	16	1.9	5	-13
CHINA	HARBIN	16	3	26	-6	9	1.7	3	-20
	HAMI	23	9	29	3	16	2.4	3	1
	BEIJING	24	10	34	4	17	2.4	0	-21
	TIENTSIN	24	11	34	6	17	2.3	0	-23
	LHASA	17	4	22	-2	11	2.2	3	-4
	KUNMING	22	12	27	8	17	-0.3	58	35
	CHENGCHOW	24	13	34	6	19	2.9	27	-12
	YEHCHANG	22	13	30	8	18	0.4	139	53
	HANKOW	23	13	30	6	18	0.8	225	96
	CHUNGKING	24	17	32	13	20	2.1	105	11
	CHIHKIANG	23	14	30	6	19	2	101	-49
	WU HU	23	13	30	6	18	1.7	100	-24
	SHANGHAI	22	13	30	6	17	2.3	96	2
	NANCHANG	24	16	30	9	20	2.6	172	-46
	TAIPEI	26	20	35	12	23	1	74	-126
	CANTON	26	18	33	10	22	0	120	-80
	NANNING	27	19	33	13	23	0.3	8	-91
COLOMB	BOGOTA	20	9	22	3	15	0.9	105	3
COTE D	ABIDJAN	32	26	33	23	29	0.8	131	-45
CUBA	HAVANA	30	20	34	10	25	0.3	0	-53
CYPRUS	LARNACA	23	13	28	9	18	0.7	31	17
CZECHR	PRAGUE	12	4	22	-3	8	0.1	57	29
DENMAR	COPENHAGEN	11	4	17	-1	7	0.6	63	30
EGYPT	CAIRO	28	17	38	14	23	1	8	7

Based on Preliminary Reports

April 2017

COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)			COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	NRM	TOT	DEP NRM			AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	NRM	TOT	DEP NRM
	ASWAN	36	21	43	13	28	1.2	0	0		MARRAKECH	30	15	37	12	22	4.6	23	-11
ESTONI	TALLINN	7	-1	15	-6	3	-0.6	48	13	MOZAMB	MAPUTO	31	20	37	15	25	1.3	36	-12
ETHIOP	ADDIS ABABA	26	13	28	8	19	1.5	25	-59	N KORE	PYONGYANG	19	8	27	1	13	2.1	43	2
F GUIA	CAYENNE	30	24	32	22	27	1.0	518	73	NEW CA	NOUMEA	28	22	32	19	25	1	77	-30
FIJI	NAUSORI	31	23	33	20	27	1.4	178	-193	NIGER	NIAMEY	42	29	45	24	35	1.3	3	-5
FINLAN	HELSINKI	7	-1	12	-7	3	-0.6	42	7	NORWAY	OSLO	8	-1	14	-6	4	0.6	44	-3
FRANCE	PARIS/ORLY	16	5	25	0	10	0.3	11	-43	NZEALA	AUCKLAND	21	14	25	9	18	*****	180	*****
	STRASBOURG	17	5	27	-2	11	1.2	20	-20		WELLINGTON	17	13	22	7	15	*****	188	*****
	BOURGES	17	5	25	-1	11	1.1	36	-22	P RICO	SAN JUAN	30	24	33	21	27	0.6	149	55
	BORDEAUX	20	7	28	0	13	1.7	22	-52	PAKIST	KARACHI	36	25	42	19	30	1.6	0	-4
	TOULOUSE	19	7	25	1	13	2.2	32	-31	PERU	LIMA	26	21	30	19	23	2.3	0	0
	MARSEILLE	20	9	26	3	14	1.5	41	-13	PHILIP	MANILA	34	26	36	24	30	-0.2	89	58
GABON	LIBREVILLE	30	25	32	23	28	0.9	496	149	PNEWGU	PORT MORESBY	30	25	32	24	27	0.7	58	-61
GERMAN	HAMBURG	12	4	19	-4	8	-0.1	50	4	POLAND	WARSAW	12	4	24	-3	8	-0.2	48	13
	BERLIN	13	5	24	-3	9	0.2	26	-11		LODZ	11	3	23	-4	7	-1.3	69	32
	DUSSELDORF	14	3	23	-4	8	-1.5	21	-35		KATOWICE	11	3	24	-4	7	-1.0	107	59
	LEIPZIG	13	4	22	-2	8	0.5	22	-19	PORTUG	LISBON	24	13	28	9	18	4.0	5	-53
	DRESDEN	12	4	22	-2	8	0.3	44	-5	ROMANI	BUCHAREST	18	3	27	-1	10	-1.1	90	35
	STUTTGART	14	4	24	-3	9	0.2	39	-16	RUSSIA	ST.PETERSBURG	6	0	16	-6	3	-1.4	100	66
	NURNBERG	14	3	23	-3	8	0.1	29	-13		KAZAN	9	1	24	-8	5	0.3	53	19
	AUGSBURG	13	2	22	-4	7	-0.6	73	22		MOSCOW	9	2	25	-4	6	-0.7	91	52
GREECE	THESSALONIKA	20	9	26	3	14	0.3	8	-29		YEKATERINBURG	10	1	20	-10	5	1.0	26	-3
	LARISSA	21	6	29	1	14	0.0	22	-16		OMSK	11	1	24	-11	6	2.1	24	3
	ATHENS	22	13	27	8	17	1.4	4	-29		BARNAUL	12	1	29	-13	6	2.6	10	-17
GUADEL	RAIZET	29	23	31	20	26	0.0	138	46		KHABAROVSK	11	0	19	-7	5	1.0	36	-10
HONGKO	HONG KONG INT	27	22	31	16	24	1.6	104	-35		VLADIVOSTOK	11	4	22	-2	7	2.8	30	-26
HUNGAR	BUDAPEST	16	6	25	0	11	0.1	67	27		VOLGOGRAD	16	4	25	-3	10	0.4	23	0
ICELAN	REYKJAVIK	6	1	10	-4	4	0.8	124	70		ASTRAKHAN	18	6	25	-4	12	0.2	1	-21
INDIA	AMRITSAR	36	18	44	10	27	2.2	52	24		ORENBURG	13	1	25	-11	7	-0.2	16	-7
	NEW DELHI	39	23	43	17	31	2.1	32	16	S AFRI	JOHANNESBURG	22	11	29	6	17	1.3	204	161
	AHMEDABAD	40	24	44	16	32	0.5	0	-2		DURBAN	26	18	33	13	22	0.1	60	-15
	INDORE	39	21	41	16	30	-0.2	0	-3		CAPE TOWN	26	13	36	9	20	2.8	20	-24
	CALCUTTA	36	27	39	23	31	1.2	14	-31	S KORE	SEOUL	20	9	28	3	15	1.8	62	4
	VERAVAL	33	25	43	20	29	2.0	0	*****	SAMOA	PAGO PAGO	31	26	33	24	28	0.7	191	-92
	BOMBAY	34	24	36	19	29	0.3	0	*****	SENEGA	DAKAR	27	20	38	18	24	2.4	0	0
	POONA	38	20	41	15	29	0.3	0	-10	SPAIN	VALLADOLID	22	6	27	-1	14	3.4	7	-37
	BEGAMPET	41	25	43	20	33	1.7	10	-9		MADRID	23	7	28	1	15	2.7	15	-23
	VISHAKHAPATNAM	33	27	38	24	30	0.7	3	-18		SEVILLE	26	13	33	8	19	2.5	50	-5
	MADRAS	38	27	42	25	32	1.1	0	-10	SWITZE	ZURICH	14	5	23	-2	9	1.2	117	35
	MANGALORE	34	26	35	23	30	0.2	5	-39		GENEVA	17	4	25	-1	11	1.7	36	-26
INDONE	SERANG	33	24	35	23	28	0.5	98	-24	SYRIA	DAMASCUS	26	9	34	3	18	2.0	2	-9
IRELAN	DUBLIN	12	5	17	-1	9	0.4	10	-42	TAHITI	PAPEETE	31	25	33	23	28	0.8	106	-13
ITALY	MILAN	21	9	25	1	15	2.8	74	-6	TANZAN	DAR ES SALAAM	31	24	33	23	27	0.9	686	414
	VENICE	18	10	25	4	14	1.7	117	45	THAILA	PHITSANULOK	37	26	39	23	31	-0.3	86	32
	GENOA	18	12	25	8	15	1.3	38	-73		BANGKOK	36	28	39	24	32	1.2	14	-65
	ROME	20	8	23	2	14	0.7	24	-42	TOGO	LOME	32	27	34	24	30	1.5	0	-100
	NAPLES	20	11	24	4	15	1.8	29	-62	TRINID	PORT OF SPAIN	34	24	35	22	29	1.9	6	-30
JAMAIC	KINGSTON	31	25	33	23	28	0.6	108	72	TUNISI	TUNIS	23	12	30	9	18	2.0	19	-18
JAPAN	SAPPORO	12	4	20	-2	8	1.4	66	3	TURKEY	ISTANBUL	18	9	26	5	14	1.1	18	-28
	NAGOYA	20	11	26	4	15	1.1	161	14		ANKARA	17	2	27	-4	9	-0.4	14	-38
	TOKYO	20	11	26	5	15	0.8	127	-2	TURKME	ASHKhabAD	23	12	36	5	18	0.1	17	-17
	YOKOHAMA	19	12	26	5	15	0.8	129	-23	UKINGD	ABERDEEN	11	5	18	-2	8	1.3	49	-10
	KYOTO	20	11	28	3	16	0.8	134	14		LONDON	16	6	25	1	11	1.4	4	-45
	OSAKA	20	12	26	5	16	0.9	100	-25	UKRAIN	KIEV	16	6	26	0	11	1.8	26	-22
KAZAKH	KUSTANAY	11	1	23	-14	6	0.6	18	-3		LVOV	14	3	23	-4	8	0.3	49	-5
	TSELINOGRAD	12	3	28	-11	7	2.8	28	12		KIROVOGRAD	16	4	26	-1	10	0.6	34	-4
	KARAGANDA	12	1	27	-13	7	1.1	37	13		ODESSA	12	6	20	1	9	-0.5	60	25
KENYA	NAIROBI	27	16	31	12	22	1.2	74	-70		KHARKOV	14	4	24	-5	9	-0.6	38	2
LIBYA	TRIPOLI	***	***	21	***	***	*****	*****	*****	UZBEKI	TASHKENT	21	10	30	1	15	-0.4	37	-20
LITHUA	KAUNAS	10	2	23	-4	6	-0.6	77	37	YUGOSL	BELGRADE	18	8	28	2	13	0.5	53	-7
LUXEMB	LUXEMBOURG	14	4	22	-1	9	1.0	4	-54	ZAMBIA	LUSAKA	24	16	30	13	20	-1.6	0	-17
MALAYS	KUALA LUMPUR	33	25	35	24	29	1.5	340	97	ZIMBAB	KADOMA	***	***	29	10	***	*****	*****	*****
MALI	BAMAKO	40	26	42	17	33	0.1	52	34										
MARSHA	MAJURO	30	27	31	24	28	0.8	262	-29										
MARTIN	LAMENTIN	31	24	32	21	27	1.7	133	6										
MAURIT	NOUAKCHOTT	35	21	44	17	28	3.1	0	0										
MEXICO	GUADALAJARA	27	12	33	8	19	-2.3	0	-8										
	TLAXCALA	25	9	30	5	17	-0.8	38	12										
	ORIZABA	26	17	36	12	22	2.2	118	78										
MOROCC	CASABLANCA	23	15	31	10	19	2.8	6	-31										

Based on Preliminary Reports

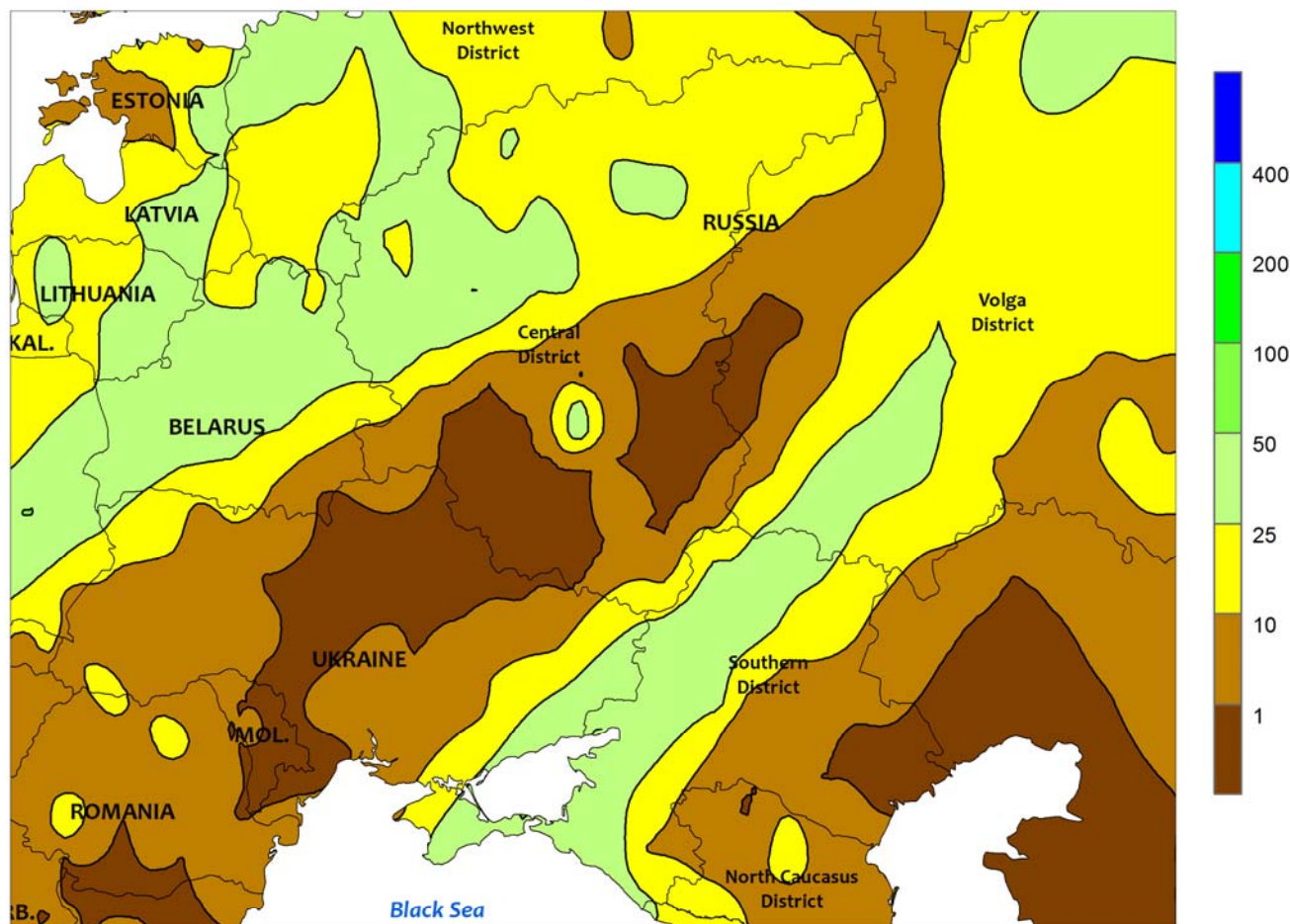


EUROPE

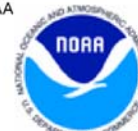
Hard freezes posed a risk to reproductive winter crops in western growing areas, while soaking rainfall boosted soil moisture but hampered fieldwork from southern Spain into Poland. For much of the week, a stationary frontal boundary was the focus for moderate to heavy rain (10-50 mm, locally more) from southern Spain into Poland. The wet weather improved soil moisture for recently-planted corn, soybeans, and sunflowers, but impeded late sowing efforts. Furthermore, heavy to excessive rain (40-170 mm) in southern Spain (Andalucía) was detrimental for filling to maturing wheat, while totals approaching 100 mm in northeastern Italy and northern Slovakia caused localized flooding. North of the front, unseasonably cold, dry weather prevailed across much of

central and northern Europe. Crops most at risk for freeze damage included: flowering winter wheat and barley in northern Spain (5 nights of subfreezing low temperatures since April 18, with readings as low as -9°C); heading winter wheat in northern France (8 nights of freezes since April 17, with values as low as -5°C); and flowering rapeseed in northeastern France (9 nights of freezes since April 17, with a minimum of -7°C). The full extent of freeze impacts — if any — will not be known for days or weeks, until producers are able to inspect fields. However, crop-stage estimates (based on growing degree day data) suggested crops were progressing through key reproductive stages of development in the aforementioned areas during the cold snap.

WESTERN FSU
Total Precipitation (mm)
APR 23 - 29, 2017



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

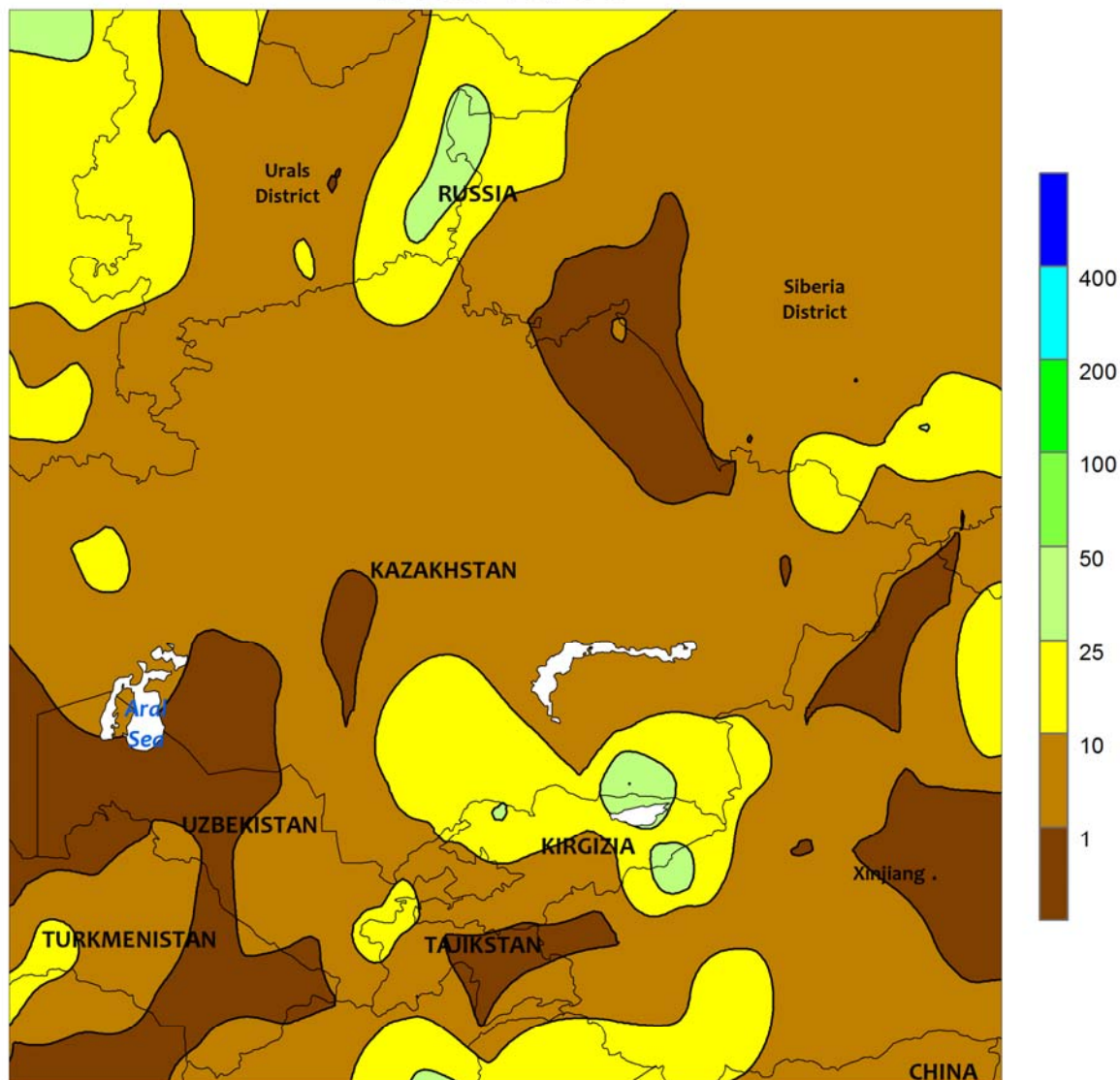


WESTERN FSU

Beneficial rain in southern and central growing areas contrasted with developing dryness in northern Ukraine. A slow-moving storm system produced 10 to 50 mm of rain from southeastern Ukraine into southern and central Russia, maintaining abundant moisture supplies for jointing winter wheat. A second area of moderate to heavy rain (10-40 mm) boosted moisture supplies for vegetative spring grains in Belarus and northwestern Russia. Despite the active weather

pattern, rain bypassed areas from Moldova into central Ukraine and Russia's Central District. The dryness was welcomed in Moldova and Russia, where precipitation over the past 60 days has totaled 100 to 200 percent of normal. However, the lack of rain in north-central Ukraine exacerbated developing short-term drought (25-50 percent of normal rainfall over the past 60 days), leaving soil moisture in short supply for corn and sunflower planting and emergence.

EASTERN FSU
Total Precipitation (mm)
APR 23 - 29, 2017



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

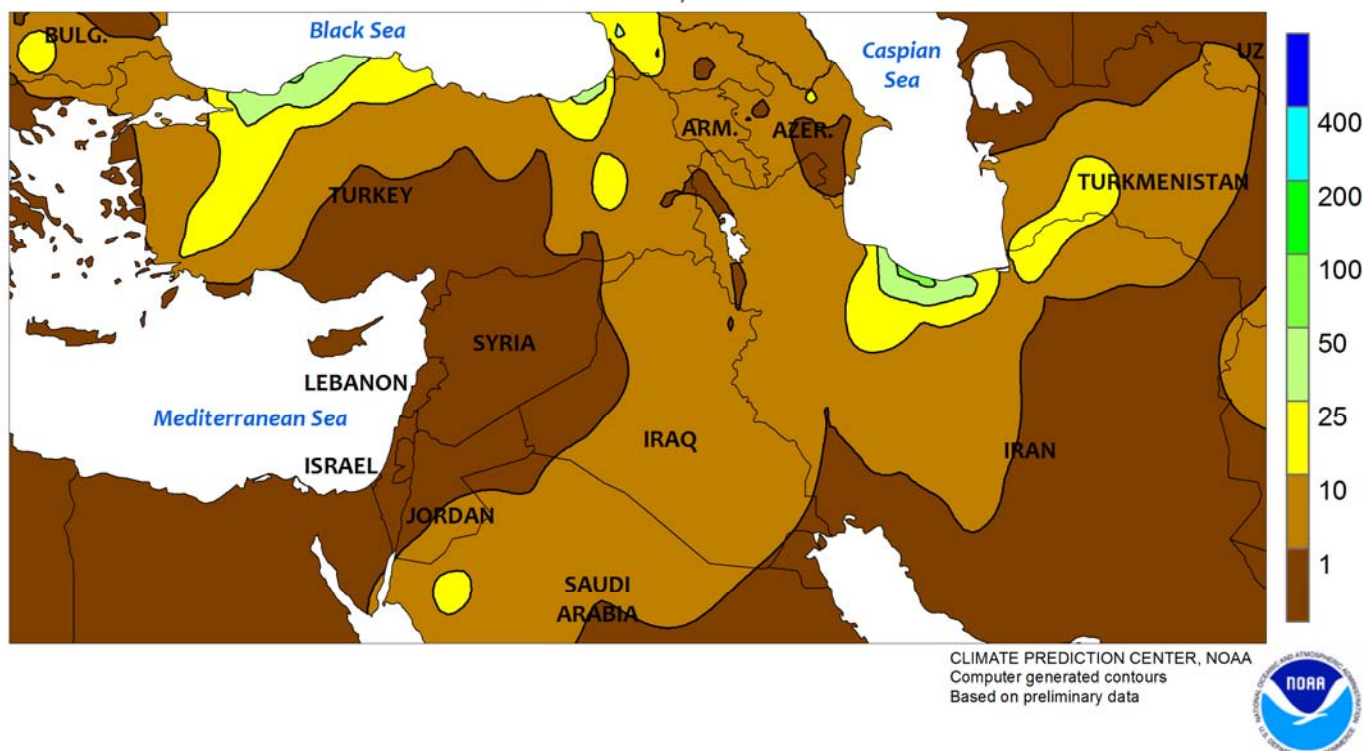


EASTERN FSU

Spring grain planting gained momentum in the north, while showers maintained excellent moisture supplies for crops in southern growing areas. Early spring grain planting was able to proceed without significant delay despite scattered showers (5-30 mm) in central Russia and northern Kazakhstan. Farther south, winter wheat approached or progressed through the

reproductive stages of development in Uzbekistan in good to excellent condition, with above-normal year-to-date precipitation providing abundant supplemental moisture for crop development. However, showers slowed cotton planting in eastern portions of Uzbekistan (10-20 mm) and southern Kazakhstan (10-500 mm).

MIDDLE EAST
Total Precipitation (mm)
APR 23 - 29, 2017

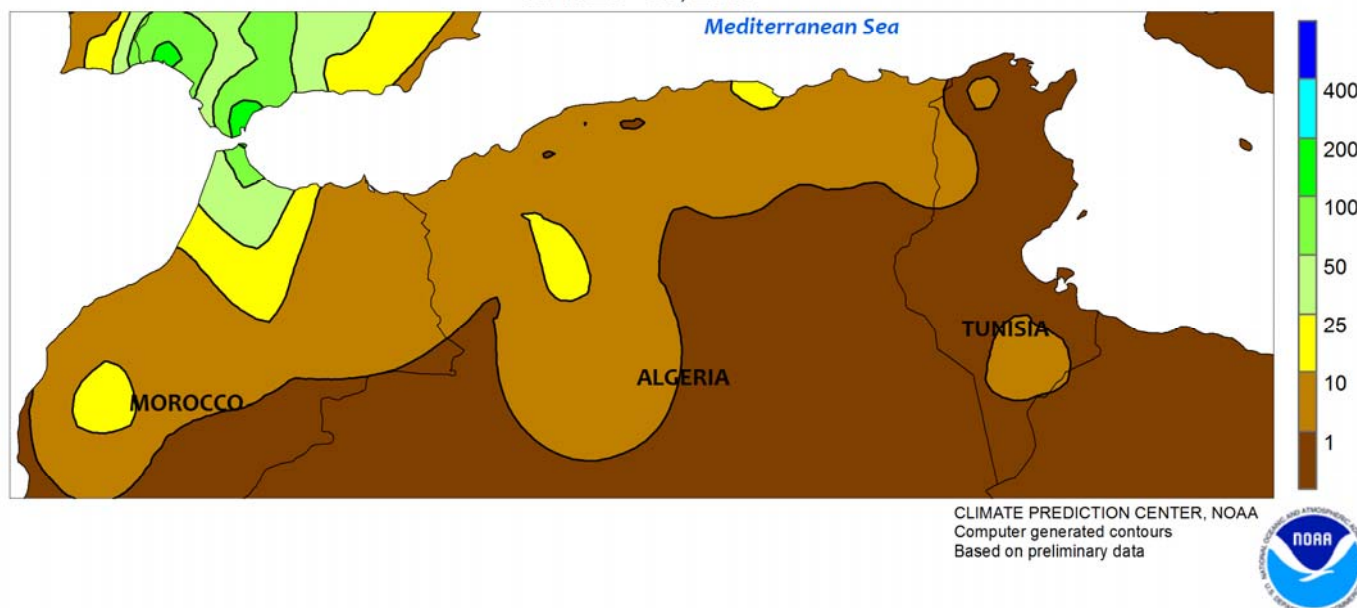


MIDDLE EAST

Dry, warm weather prevailed over much of the region, with showery and cool conditions confined to parts of western and northern Turkey. In Iraq, Iran, and Syria, sunny skies and above-normal temperatures (1-4°C above normal) accelerated winter grains through the reproductive and filling stages of development. Prospects for wheat and barley remained good to excellent due to timely spring

rainfall and a lack of damaging freezes or untimely heat in the aforementioned areas. In Turkey, early-week showers (2-15 mm) provided some moisture for jointing winter grains on the Anatolian Plateau. However, crops in central Turkey continued to exhibit varying levels of stress in satellite-derived vegetation health data, likely due to autumn dryness and resultant poor establishment.

NORTHWESTERN AFRICA
Total Precipitation (mm)
APR 23 - 29, 2017

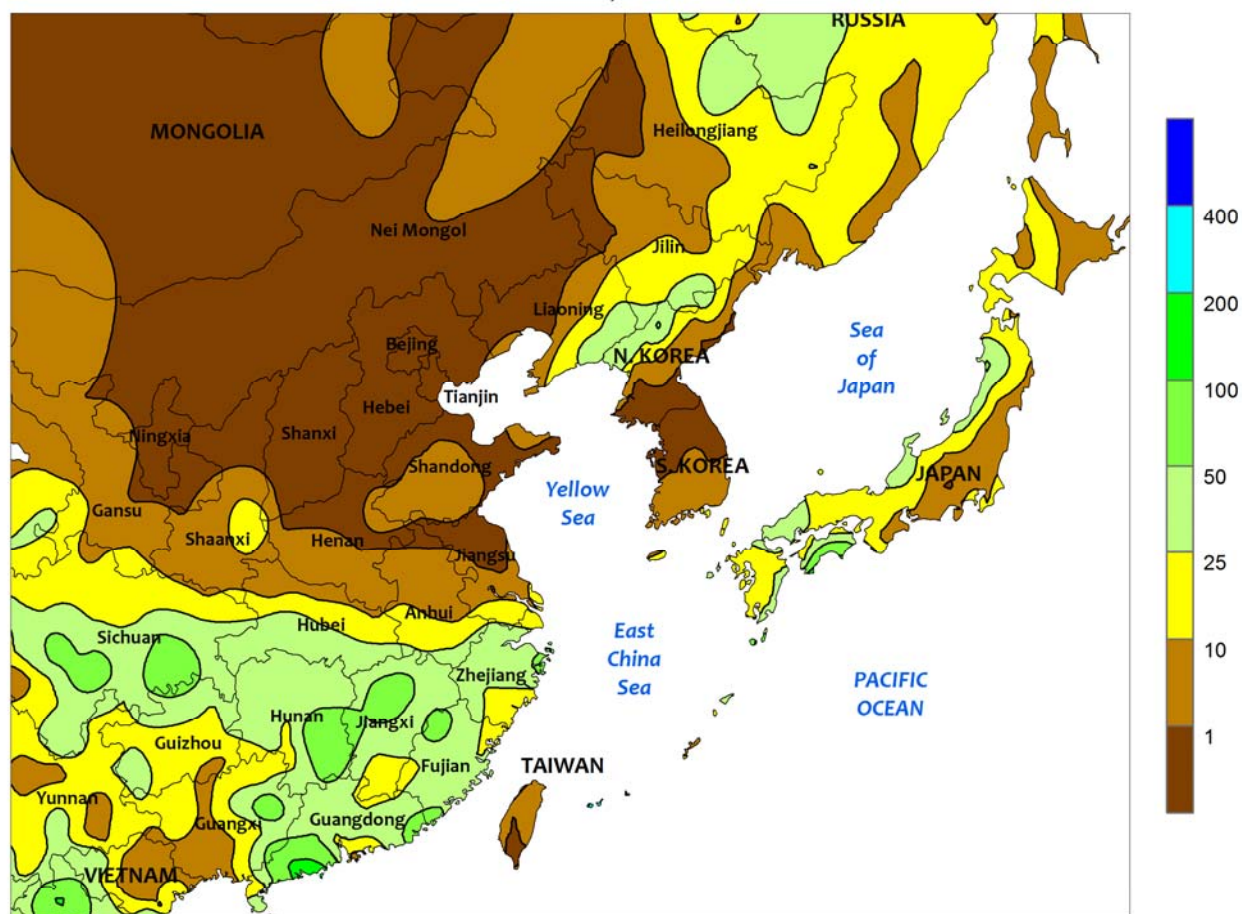


NORTHWESTERN AFRICA

Periods of sun and above-normal temperatures advanced winter grains toward maturity. In Morocco, scattered light to moderate showers provided little additional benefit to filling to maturing winter wheat and barley, with the heaviest rain (20 mm or more) mostly falling outside of the region's major production areas. Scattered light to moderate showers (2-15 mm) in Algeria maintained current yield prospect for

flowering to filling wheat and barley, which are mostly mixed due to recent dryness in the west as well as dry autumn weather for planting and establishment in the northeast. In northern Tunisia, sunny skies accelerated winter grains into the filling stage of development, though hot weather (30-34°C) during the past week may have adversely impacted later-developing crops.

EASTERN ASIA
Total Precipitation (mm)
APR 23 - 29, 2017



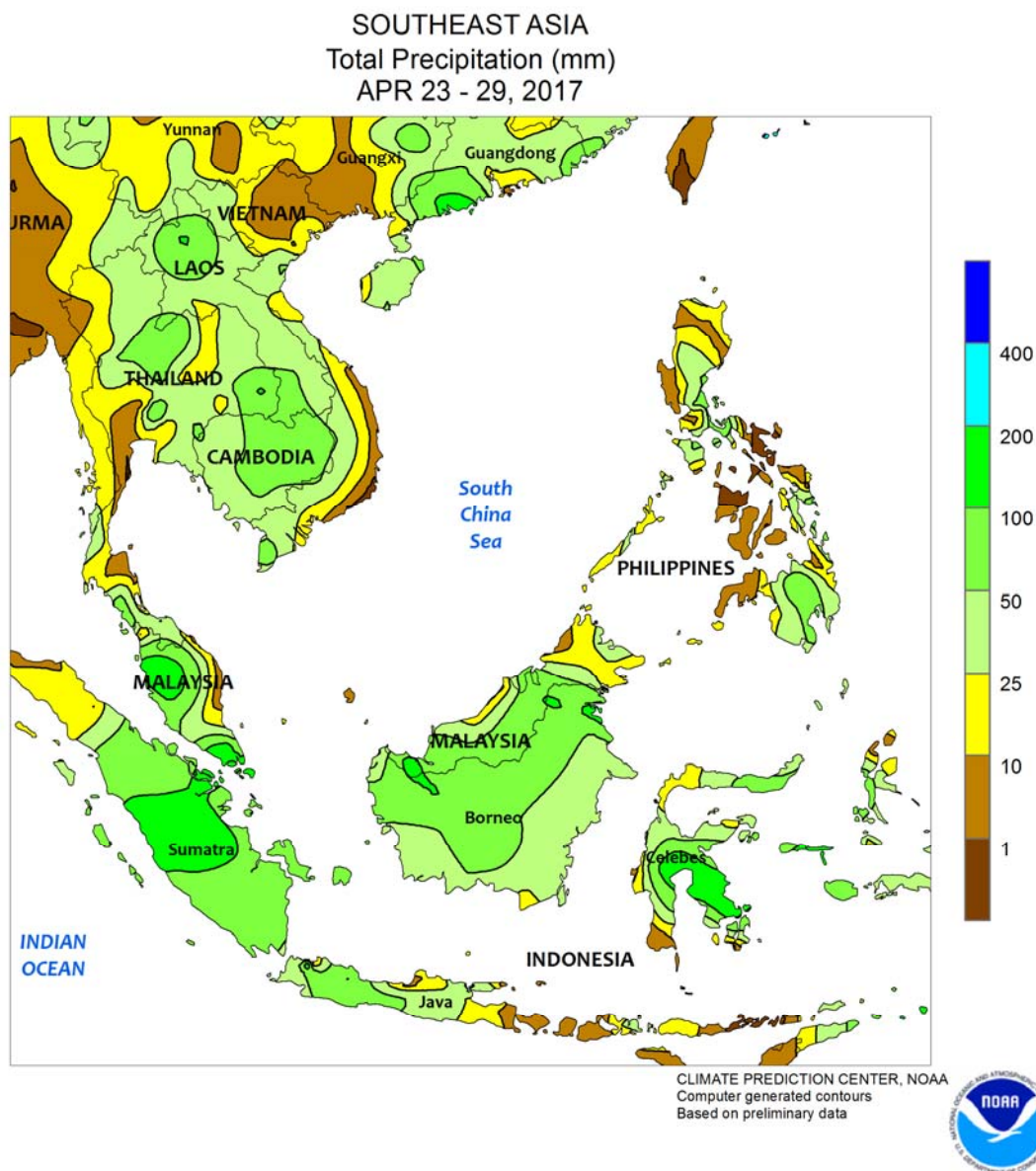
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



EASTERN ASIA

Rainfall remained confined to the southern sections of China, where totals exceeded 25 mm and locally topped 100 mm. The rainfall maintained plentiful soil moisture and irrigation water for early-crop rice. In contrast, the wet weather was untimely for maturing rapeseed in the Yangtze Valley. Meanwhile on the North China Plain, short-term

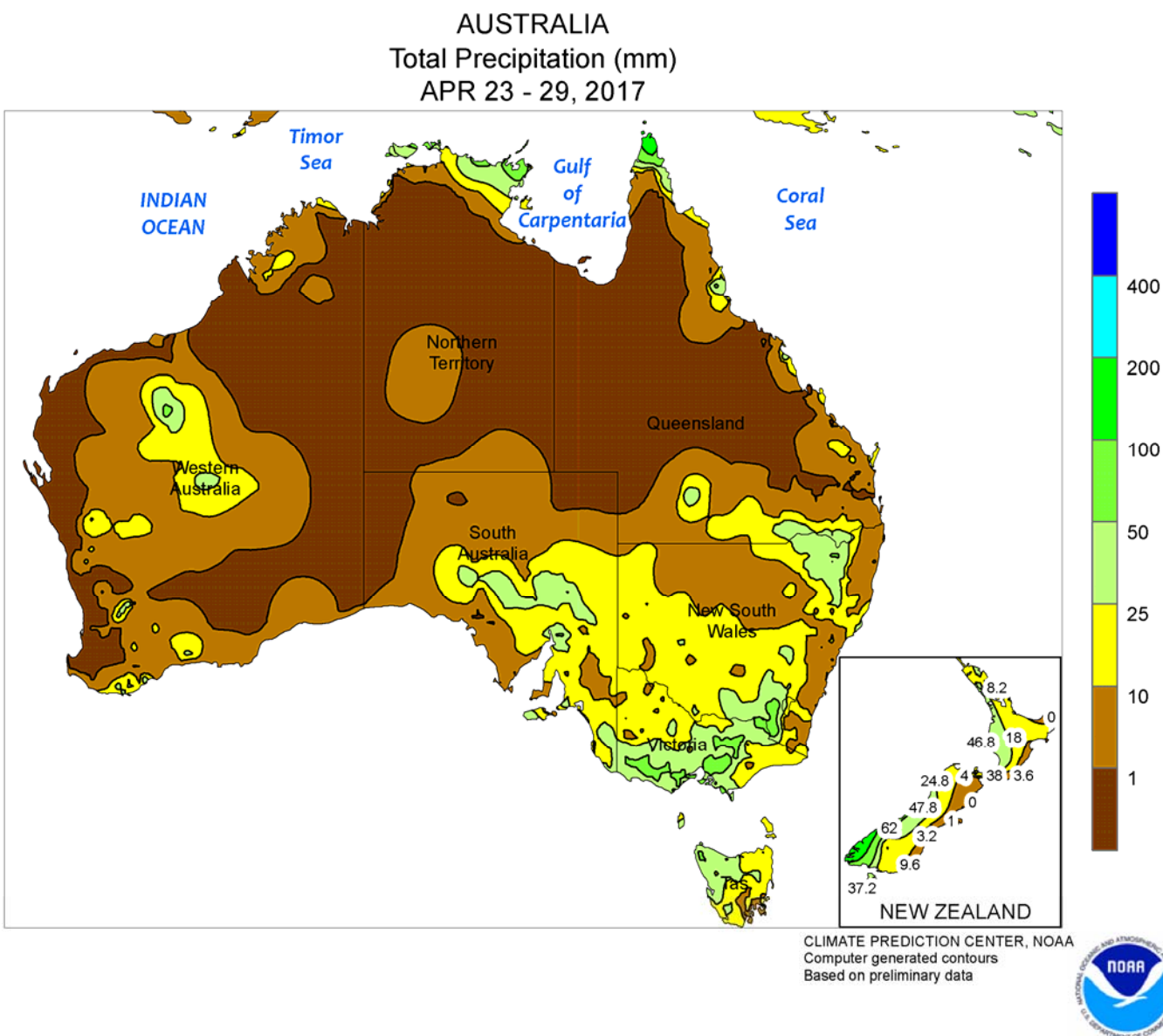
dryness continued to develop for wheat with another week of mostly dry, warmer-than-normal weather. However, longer-term moisture conditions remained favorable for wheat due to periodic spring rainfall, and crop conditions appeared better than last year based on satellite-derived vegetative health measurements.



SOUTHEAST ASIA

Rainfall was widespread in the region, with the heaviest showers still confined to southern locales. In Thailand and environs, 25 mm or more of rainfall improved soil moisture as growers continued to prepare fields for the onset of the rainy season next month. Similar amounts were observed in

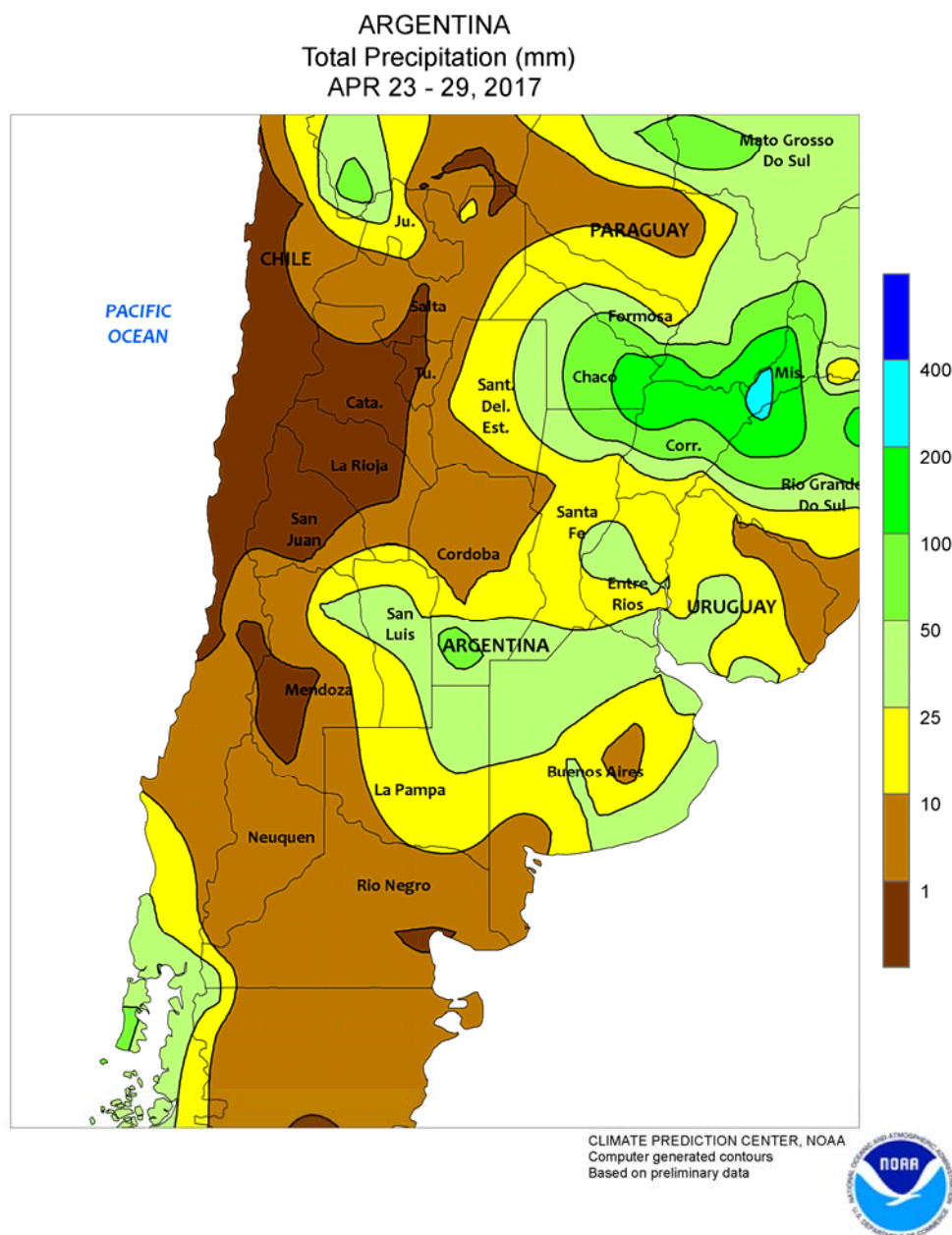
the Philippines, where fieldwork had begun for the summer crop season as well. In the southern sections of the region, heavy showers (25-50 mm or more) in Indonesia and parts of Malaysia maintained good soil moisture for oil palm and spring-sown rice.



AUSTRALIA

In southern and eastern Australia, widespread showers (5-30 mm, locally near 50 mm) through midweek further increased topsoil moisture in advance of winter crop planting. The rain slowed summer crop drydown and harvesting in southern Queensland and northern New South Wales, but dry weather during the latter half of the week allowed harvesting to regain momentum. Additionally, the showers and subsequent dryness likely triggered widespread wheat, barley, and canola planting

throughout southern and eastern Australia. Most of the winter grain and oilseed crops are typically planted in May and June each year, with extensive sowing normally commencing after the first significant rainfall of the growing season. Elsewhere in the wheat belt, widely scattered showers in Western Australia caused few delays in winter crop planting. Temperatures in the wheat belt were generally seasonable, averaging within 1°C of normal for the week.

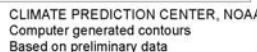


ARGENTINA

Following last week's favorably drier weather, showers returned to central Argentina, slowing summer crop harvesting but keeping topsoils moist for germination of winter grains. Rainfall totaling 10 to 45 mm covered most agricultural areas of La Pampa, Buenos Aires, and neighboring locations of Cordoba, Santa Fe, and Entre Rios. The rain fell during the early and middle parts of the week, followed by several days of drier and warmer weather (daytime highs reaching the middle and upper 20s degrees C). Farther north, heavy rain (50-200 mm, locally

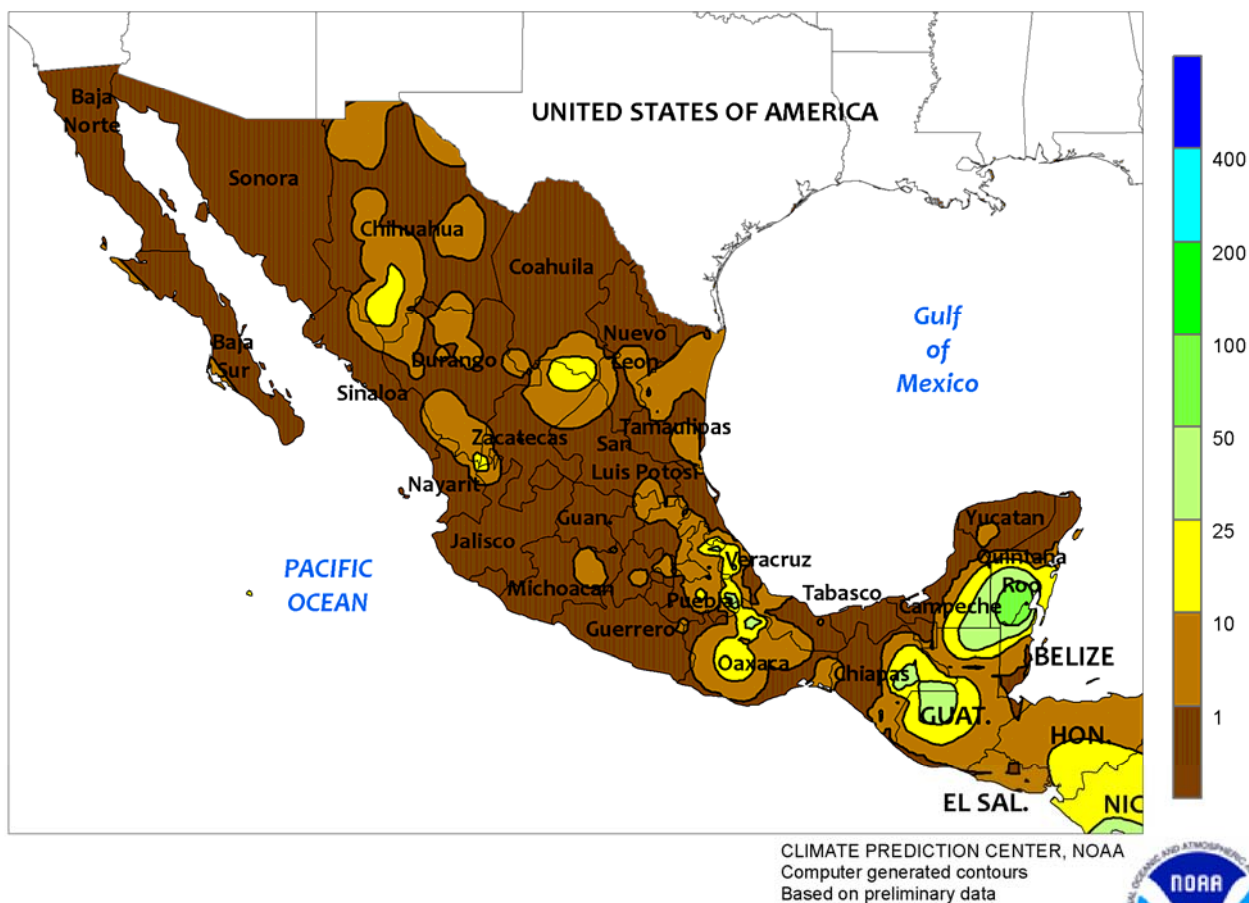
higher) lingered over the northeast, including Chaco and nearby locations in Santa Fe, Formosa, and Corrientes. In contrast, mostly dry weather continued to dominate northwestern farming areas, engendering seasonal fieldwork. According to the government of Argentina, corn and soybeans were 25 and 34 percent harvested, respectively, as of April 27, still at least 5 points ahead of last year's pace for both crops. In addition, wheat planting was reportedly underway in Salta, though no national-level statistics were available.

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development of summer row crops in the aforementioned areas. Elsewhere, moderate to heavy rain (25-50 mm, locally in excess of 100 mm) fell from southern Minas Gerais and Sao Paulo southward through Rio Grande do Sul, providing a late season boost in moisture for sugarcane, coffee, and second-crop corn. According to the government of Parana, corn was over 60 percent in the flowering to filling stages of development as of April 24, reinforcing the need for the continuation of beneficial rain. In addition, wheat was 12 percent planted and germinating with generally favorable levels of topsoil moisture.

MEXICO
Total Precipitation (mm)
APR 23 - 29, 2017



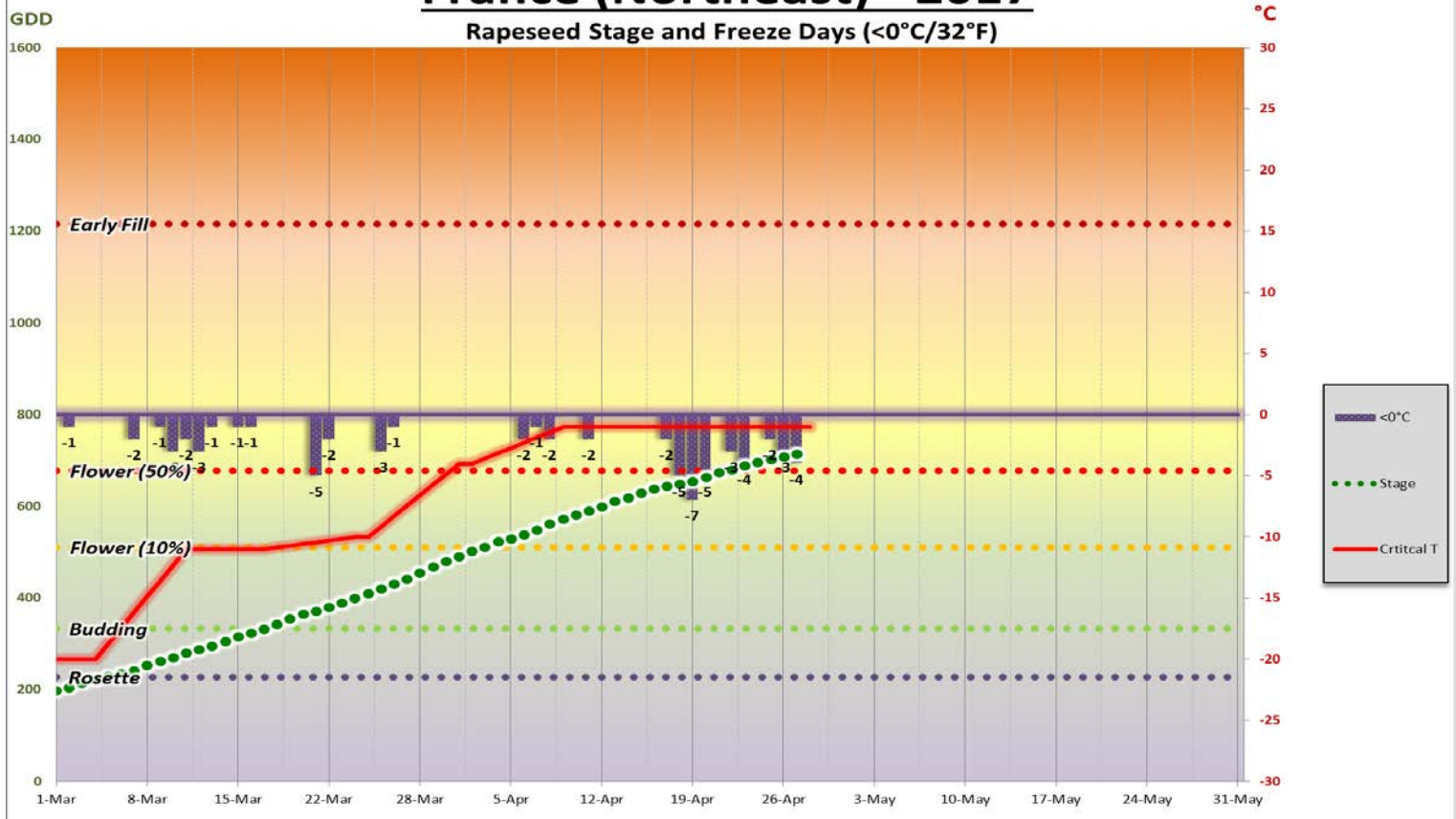
MEXICO

Rainfall tapered off from the previous week in eastern Mexico, allowing the early stages of summer corn planting to progress with few delays. Showers were scattered and light in eastern sections of the southern plateau (in and around Puebla) and Oaxaca, with little to no rain falling in northeastern Mexico or on the Yucatan Peninsula.

Meanwhile, seasonably dry weather continued in Mexico's western farming areas, including western sections of the southern plateau, where farmers awaited rain for planting. Near- to above-normal temperatures dominated the region, hastening development of maturing winter grains while increasing evaporative losses.

France (Northeast) - 2017

Rapeseed Stage and Freeze Days (<0°C/32°F)



A protracted hard freeze may have posed a risk to flowering winter rapeseed in northern and northeastern France during the latter half of April. In the chart above, crop development stage is estimated using cumulative growing degree day data symbolized by the green dots; this methodology indicates the crop entered the flowering stage of development on or about April 5. The purple bars signify daily subfreezing readings, with the plotted values at the end of each bar highlighting the lowest recorded temperature in northeastern France. The solid red line indicates the crop-stage specific freeze-damage threshold, with the crop tolerance decreasing to near 0°C as rapeseed approaches or enters flowering. Starting April 17, there were 9 out of 11 days with hard freezes (-2°C or lower), with 5 days of readings at or below -4°C, well below the crop's freeze tolerance threshold. Early indications are rapeseed in France likely suffered burnback or freeze damage.

The *Weekly Weather and Crop Bulletin* (ISSN 0043-1974) is jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. The contents may be redistributed freely with proper credit.

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