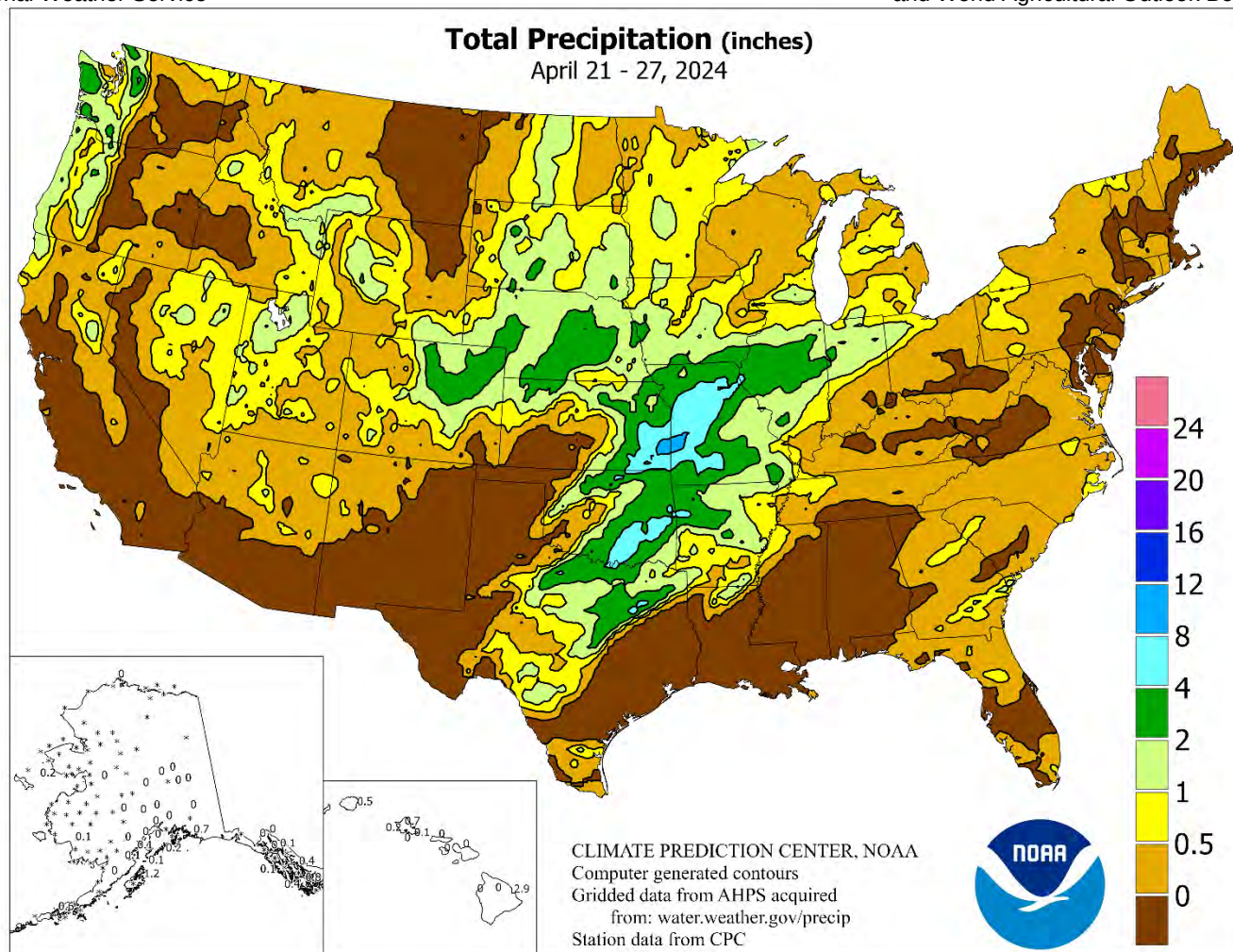


WEEKLY WEATHER AND CROP BULLETIN

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 21 – 27, 2024

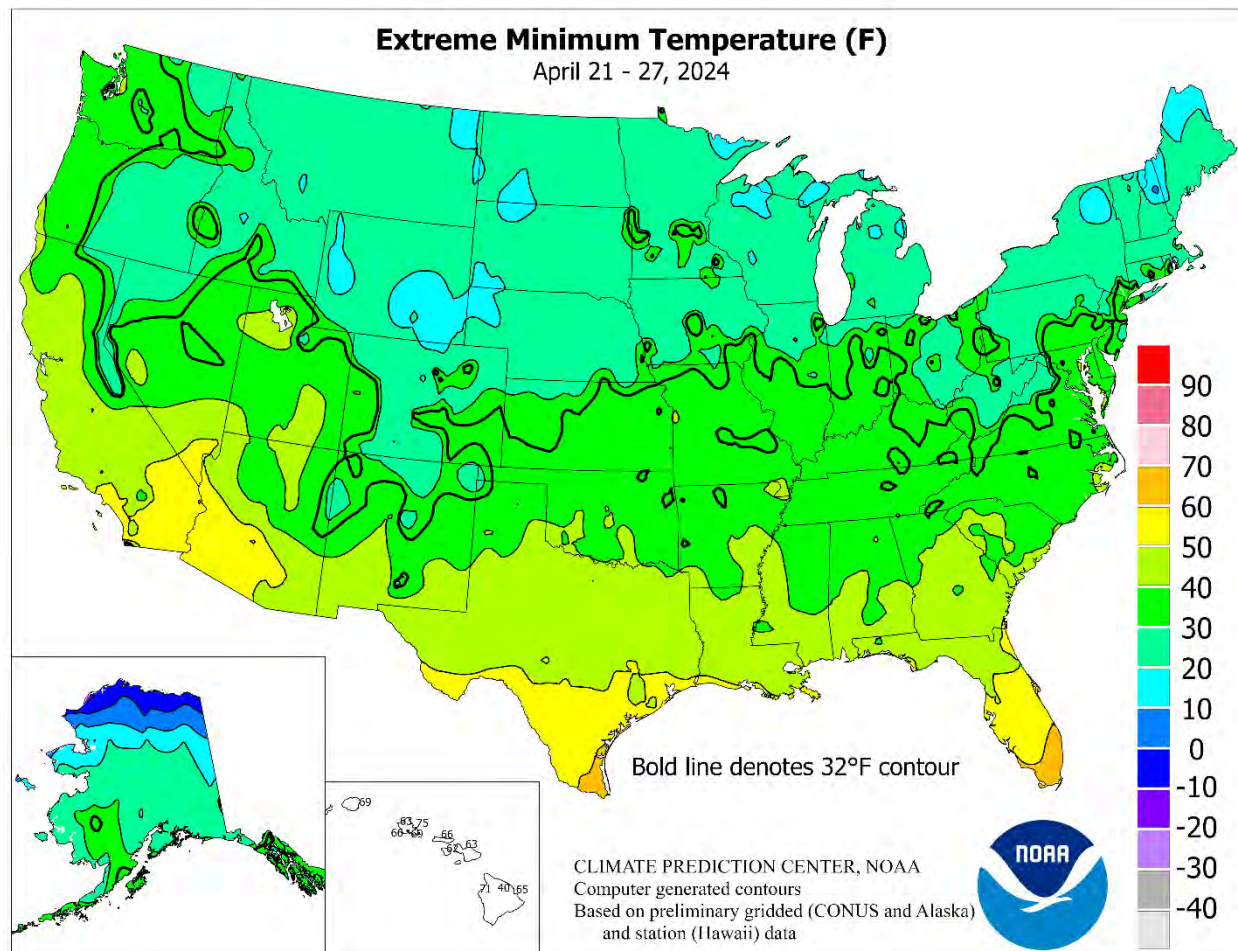
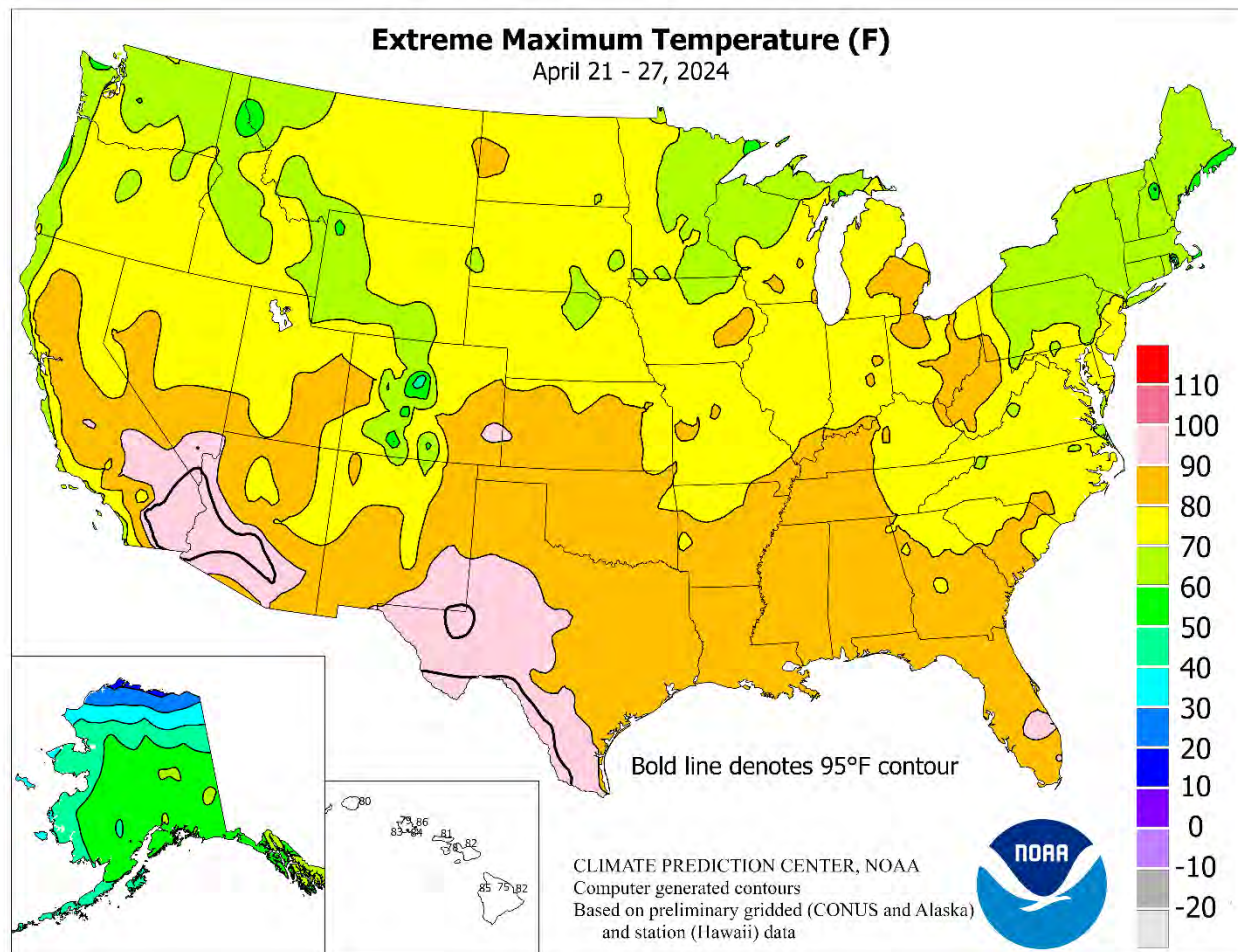
Highlights provided by USDA/WAOB

Following several days of mostly tranquil weather, back-to-back storm systems emerged from the **western U.S.** Prior to the storms' arrival, warm weather in the **West** had contrasted with chilly conditions farther east, especially in the **Midwest** and **Northeast**. In fact, weekly temperatures averaged at least 5°F below normal across large sections of the **middle and northern Atlantic States**, with cooler-than-normal conditions extending westward into the **Mississippi Valley**. Freezes were broadly reported as far south as the **Ohio Valley**, **central Appalachians**, and

(Continued on page 3)

Contents

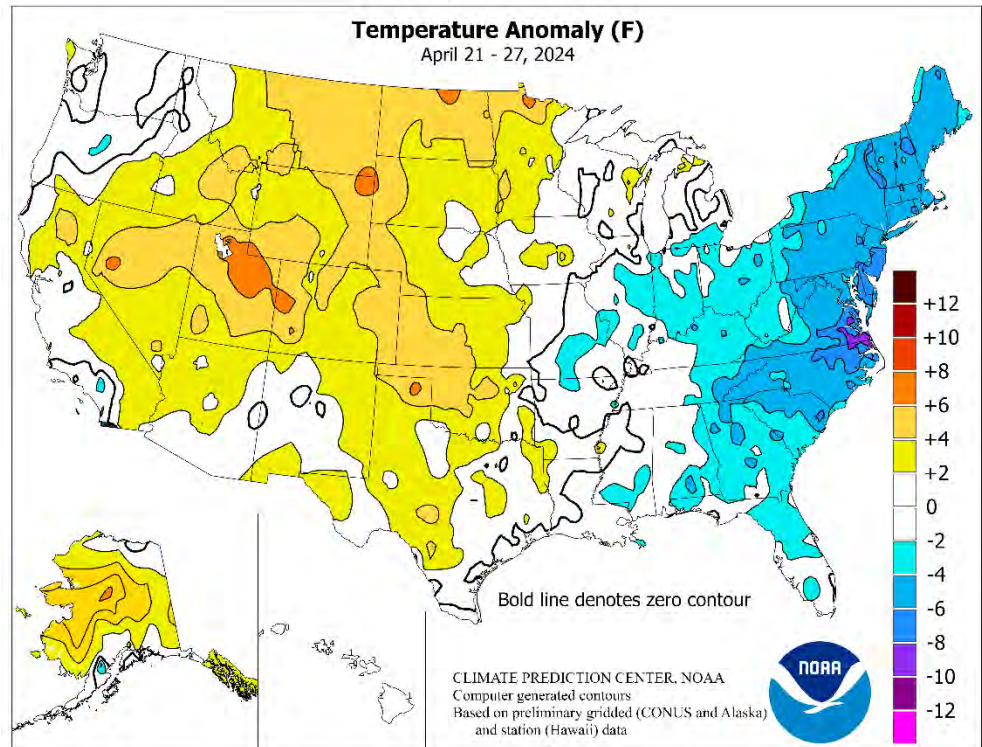
Extreme Maximum & Minimum Temperature Maps	2
Temperature Departure Map	3
Palmer Drought & Crop Moisture Maps.....	4
April 23 Drought Monitor & U.S. Monthly Drought Outlook	5
Growing Degree Day Maps	6
National Weather Data for Selected Cities	8
National Agricultural Summary	11
Crop Progress and Condition Tables	12
Days Suitable for Fieldwork & Soil Temperature Map	17
International Weather and Crop Summary	18
European Freeze Follows Record-Shattering Warmth.....	29
Bulletin Information & April 26 Satellite Image of Severe Weather	30



(Continued from front cover)

middle Atlantic States, with scattered frost and light freezes reaching into the **Tennessee Valley**. (Earlier in the week, freezes had occurred throughout the **northwestern half of the Plains**.) In freeze-affected areas where fruits were blooming or winter wheat was heading, producers monitored crops for signs of injury. In contrast, temperatures averaged more than 5°F above normal in numerous locations across the **Intermountain West**, as well as the **northern and central High Plains**. As the weather pattern began to change, separate areas of rain developed across the **Pacific Northwest** and **mid-South**, starting on April 25. That day also marked the start of a protracted spell of severe weather, beginning with several tornadoes—mainly in **Colorado, Kansas, and Oklahoma**. Subsequently, the severe weather outbreak peaked on April 26-27, with well over 100 tornadoes spotted—based on preliminary reports—across the **Plains and western Corn Belt**. Some of the thunderstorms also produced heavy rain and resulted in localized damage due to high winds and large hail. Elsewhere, periodic rain and snow showers dotted the **West**, while a long stretch of dry weather in much of the **South and East** favored fieldwork, including spring planting. However, dryness also persisted across the **southern half of the High Plains**, with cascading impacts on drought-stressed winter wheat.

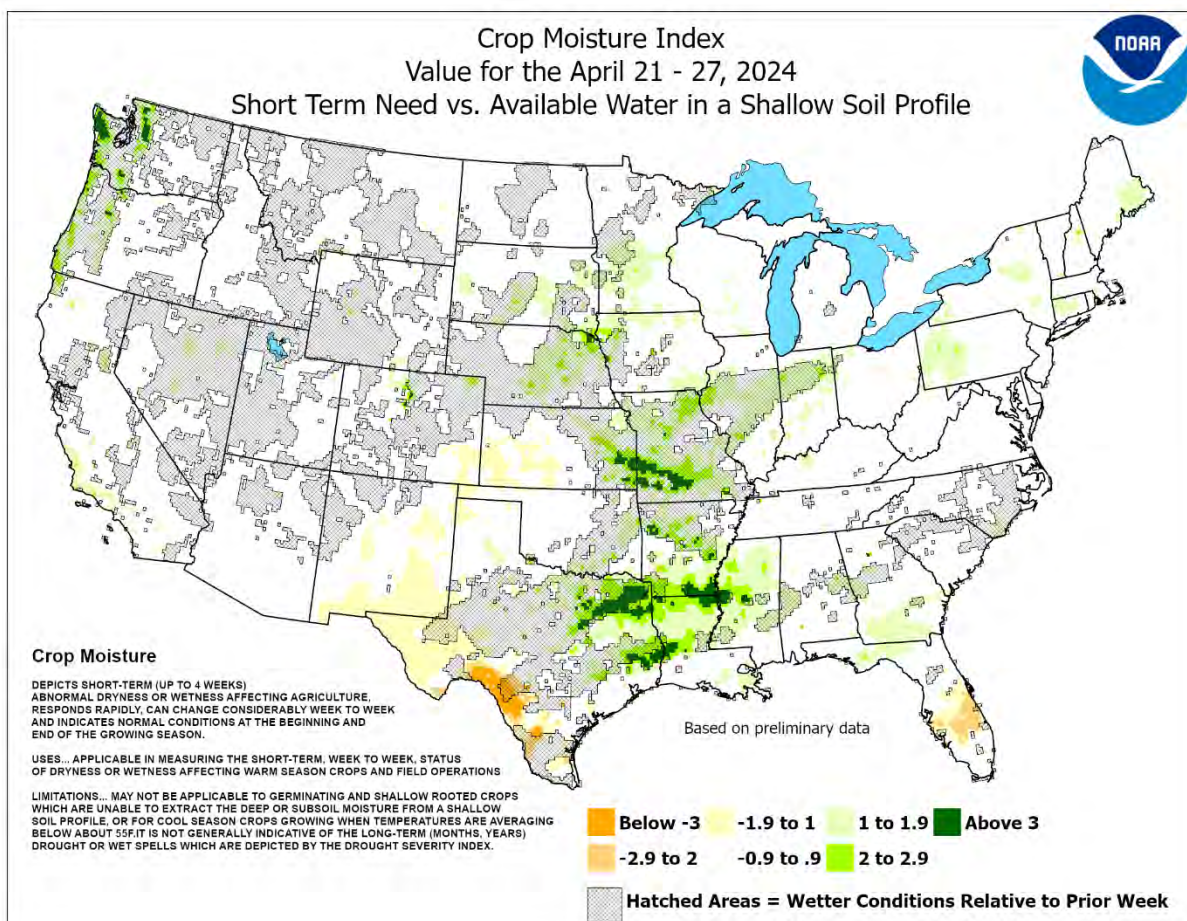
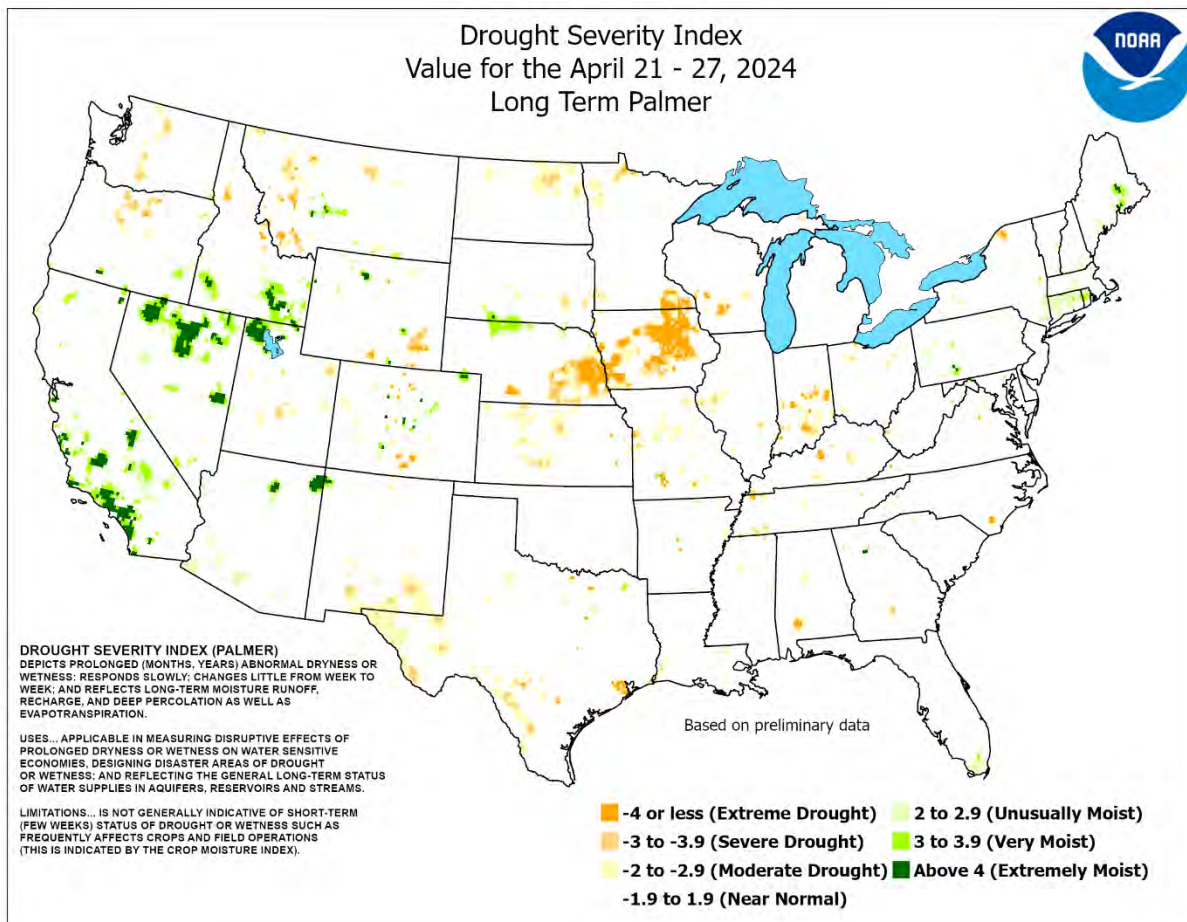
No measurable precipitation fell during the week in **Dodge City, KS**, leaving the March 1 – April 27 total at 0.27 inch (9 percent of normal). Additionally, **Dodge City's** winds gusted to 50 mph or higher this month on April 6, 15, 16, 18, 22, and 23. Elsewhere in **Kansas**, however, **Concordia, KS**, netted a daily-record rainfall total of 2.50 inches on April 25. Totals also topped 2 inches on the 25th, setting daily records, in **Springfield, MO** (2.54 inches), and **Russellville, AR** (2.44 inches). Farther west, rain on April 25 resulted in daily-record totals in locations such as **Astoria, OR** (1.29 inches), and **Hoquiam, WA** (1.11 inches). Farther inland, record-setting amounts for April 26 in **Nevada** included 0.72 inch in **Winnemucca**, 0.31 inch in **Eureka**, and 0.24 inch in **Las Vegas**. Across the **Plains and Midwest**, daily-record totals topped an inch on the 26th in **Quincy, IL** (1.66 inches); **Vichy-Rolla, MO** (1.60 inches); and **Lincoln, NE** (1.29 inches). Those totals occurred the same day that dozens of tornadoes prowled the **Plains and western Corn Belt**. While storm surveys and damage documentation are still ongoing, several of the April 26 and 27 tornadoes reached at least EF-3 intensity, featuring estimated winds greater than 135 mph. A twister that struck on April 27 in parts of **Marietta, Love County, OK**, was rated an EF-4, with estimated winds above 165 mph, becoming the nation's strongest twister since late-March 2023. Elsewhere, locally catastrophic damage was reported on April 26 in communities such as **Elkhorn, NE**, and **Minden, IA**, and on

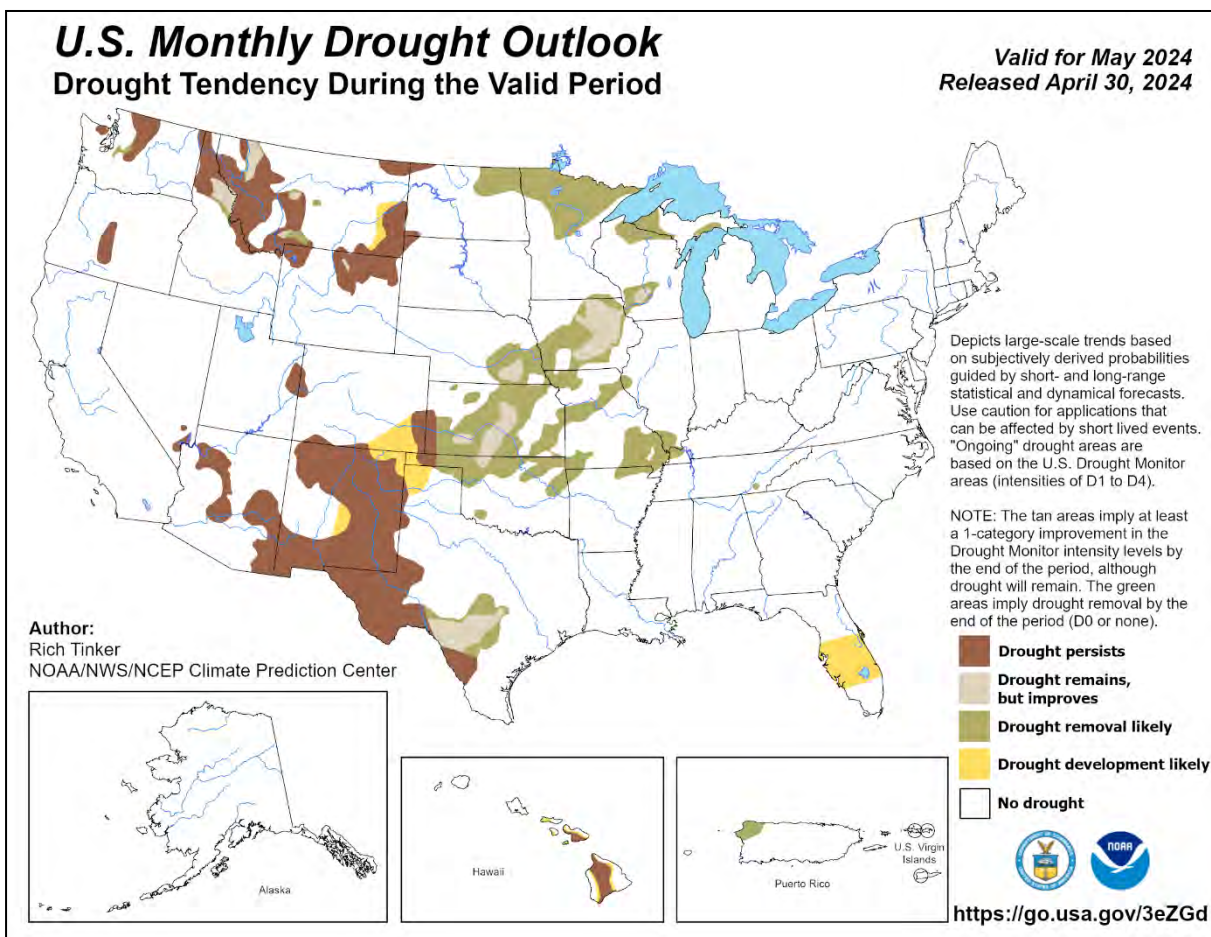
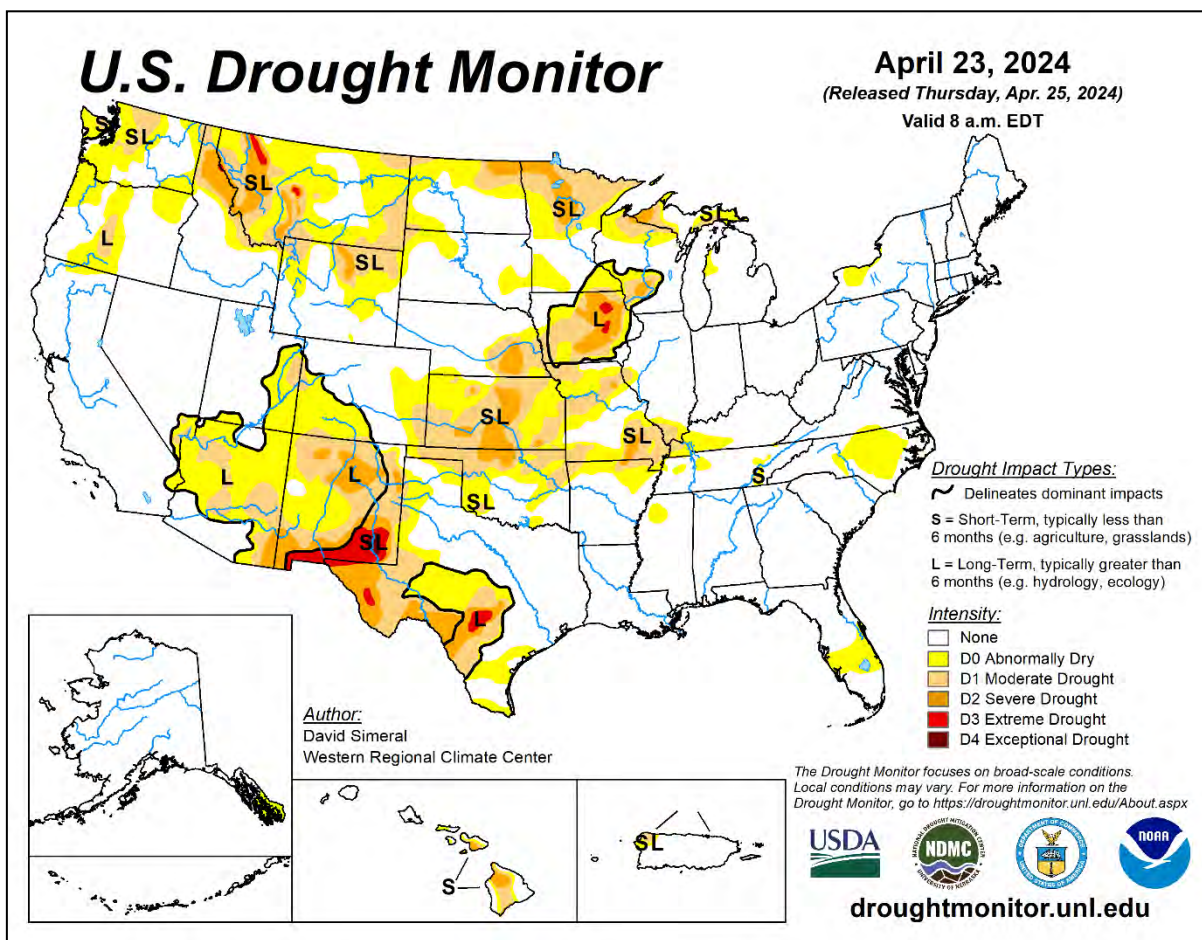


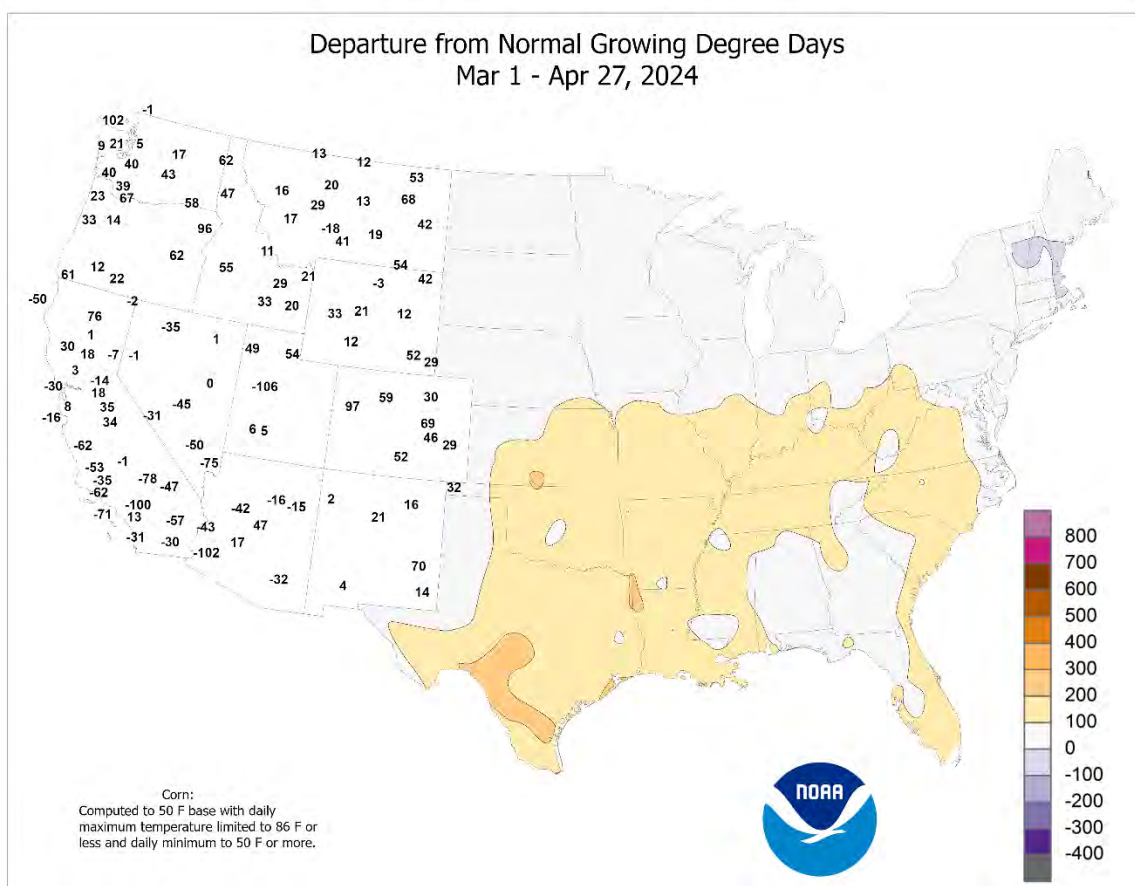
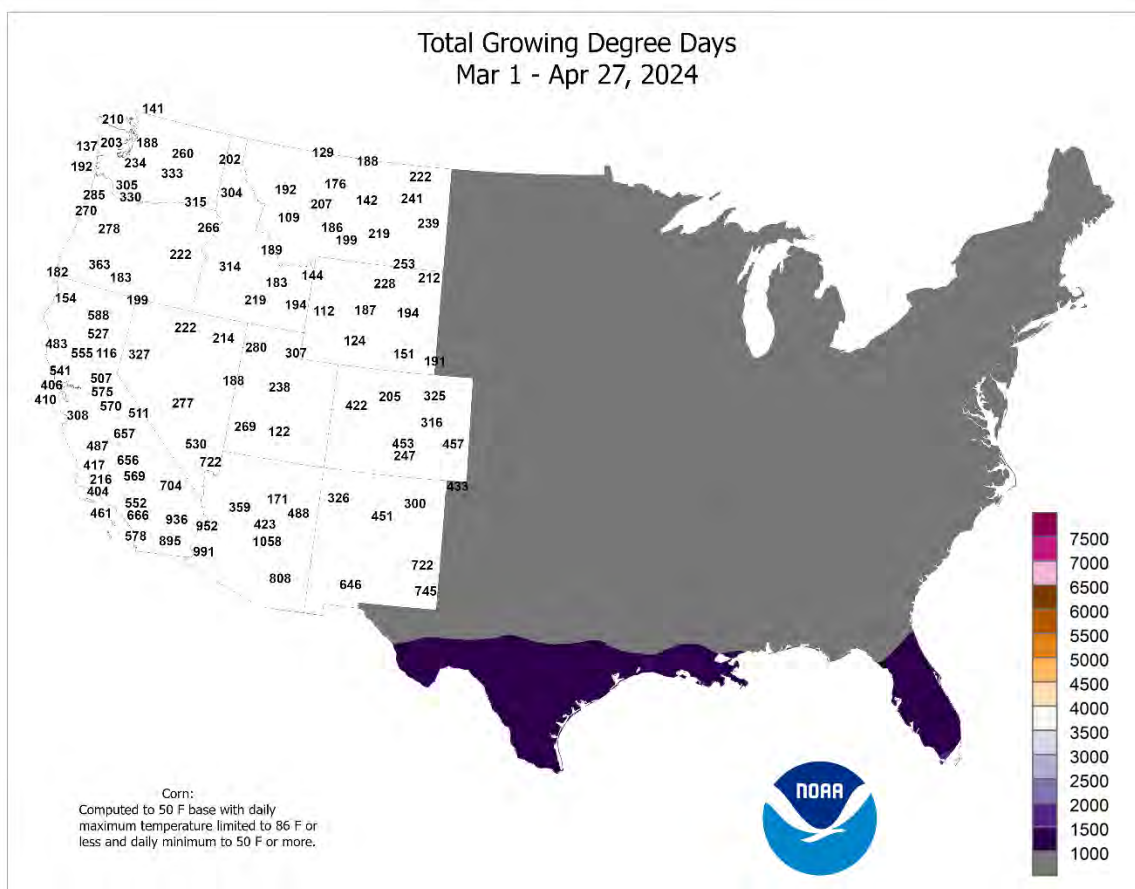
April 27 in multiple **Oklahoma** towns, including **Sulphur (Murray County)** and **Holdenville (Hughes County)**. Early reports indicated five tornado-related fatalities—four in **Oklahoma** and one in **Minden, IA**.

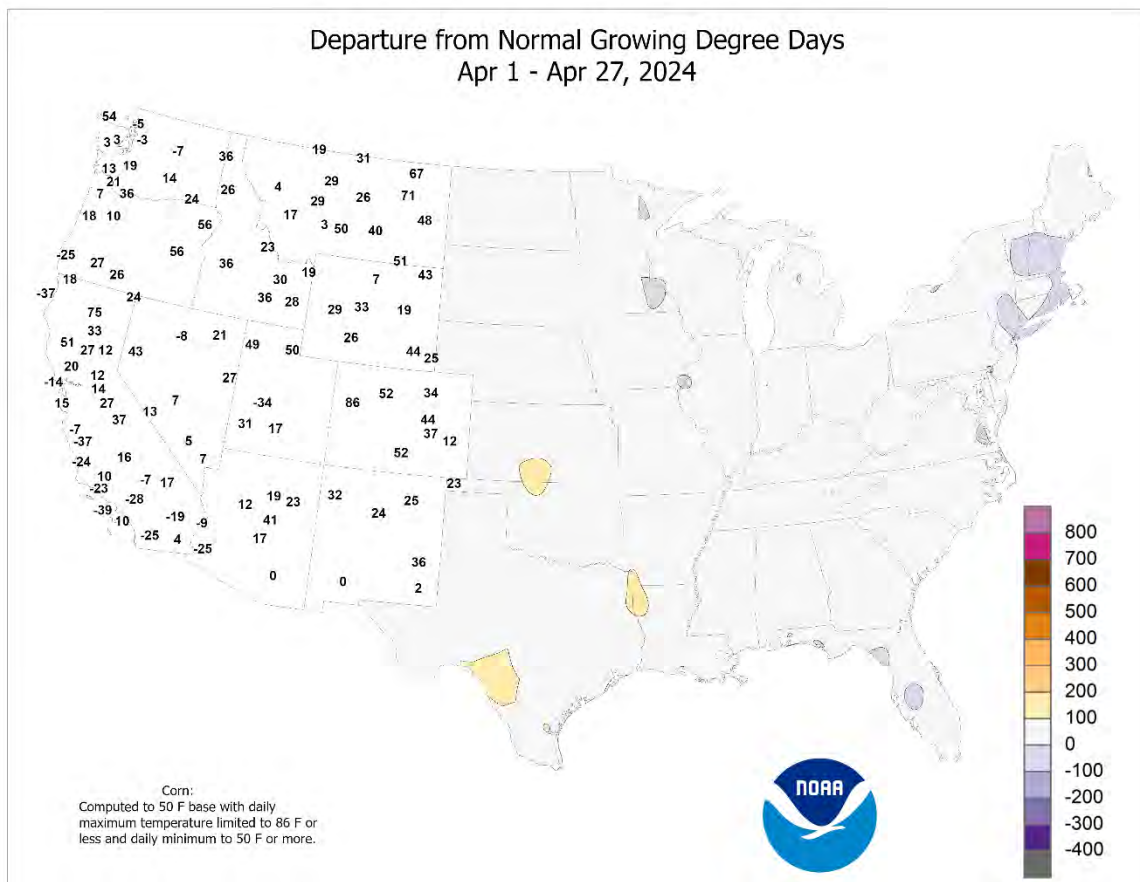
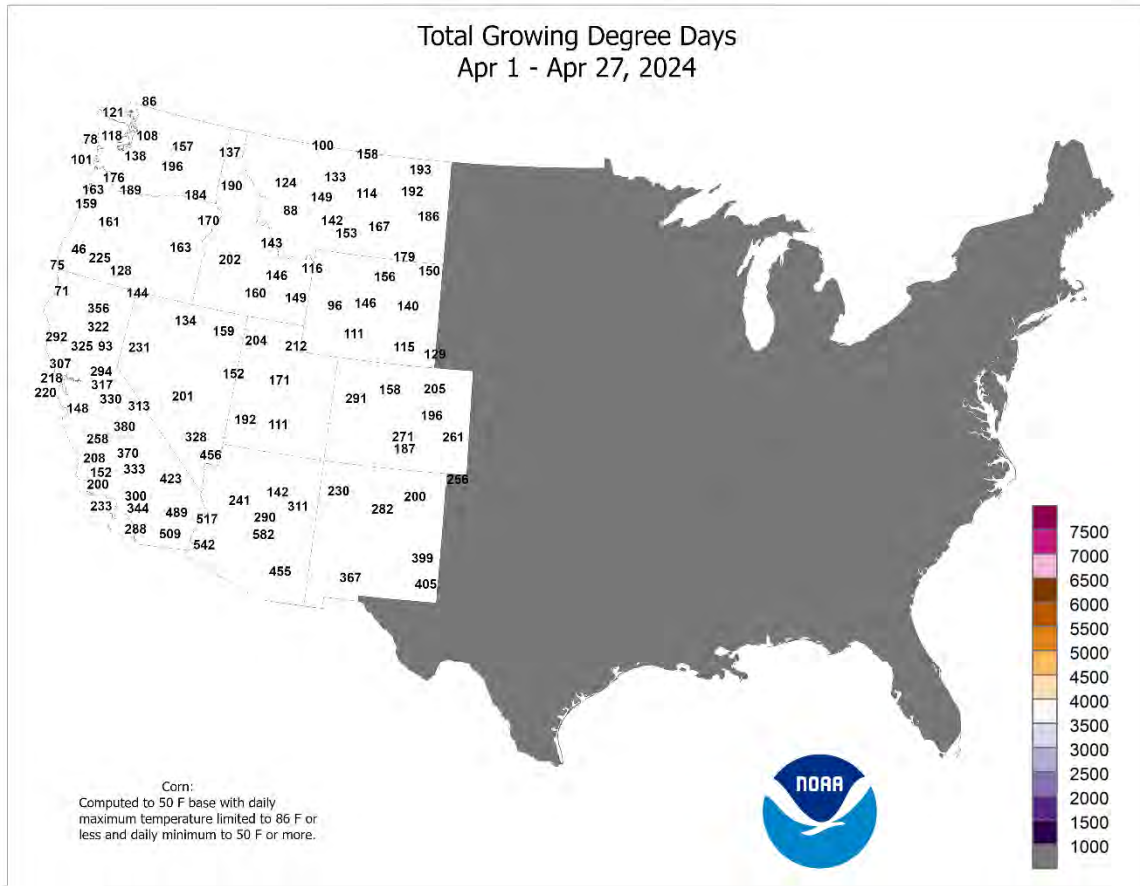
As the week began, chilly conditions covered the **Midwest**, where **Dubuque, IA**, notched a daily-record low (24°F) for April 21. Soon, cool air covered much of the remainder of the **central and eastern U.S.** By April 23, daily-record lows dipped to 40°F in **McComb, MS**, and 46°F in **New Iberia, LA**. Meanwhile, general warmth covered areas **west of the Rockies**, where **Grand Junction, CO**, collected a daily record-tying high of 85°F on April 22. During the second half of the week, a fresh surge of cool air covered the **Great Lakes and Northeastern States**. In **Michigan**, record-setting lows for April 25 included 20°F in **Alpena** and 26°F in **Flint**. In **Maine**, **Augusta** reported a freeze each calendar day from April 23-27, including a daily-record low of 26°F on the 25th. Elsewhere in **Maine**, record-setting minima for April 26 fell to 23°F in **Bangor** and 26°F in **Portland**. **Montpelier, VT** (22°F), also measured a daily-record low for April 26. Warmth returned, however, across the **Deep South**, where daily-record highs soared to 89°F (on April 26) in **Baton Rouge, LA**, and 98°F (on April 27) in **Del Rio, TX**.

In **Alaska**, near- or above-normal temperatures accompanied mostly dry weather. In **Fairbanks**, where measurable precipitation last fell on April 12, maximum temperatures topped 60°F on April 19, 20, 24, and 25. **Anchorage** also last received measurable precipitation on April 12. Farther south, frequent showers in **Hawaii**—mainly in windward locations—continued to ease any remaining short-term drought. Through April 27, month-to-date rainfall totaled 13.20 inches (153 percent of normal) in **Hilo**, on the **Big Island**, and 13.13 inches (710 percent) in **Lihue, Kauai**.









National Weather Data for Selected Cities

Weather Data for the Week Ending April 27, 2024

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN. SINCE MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL, IN. SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AK	ANCHORAGE	53	35	58	33	44	3	0.00	-0.10	0.00	1.36	126	3.44	126	81	43	0	0	0	0
	BARROW	12	5	16	-2	8	0	0.00	-0.04	0.00	0.00	0	0.00	0	86	75	0	7	0	0
	FAIRBANKS	59	34	62	28	46	6	0.00	-0.09	0.00	0.39	55	0.97	52	72	26	0	3	0	0
	JUNEAU	57	35	61	31	46	3	0.08	-0.78	0.08	5.83	86	18.04	104	88	40	0	1	1	0
	KODIAK	44	37	47	32	41	-1	1.21	-0.21	0.35	14.35	138	28.96	114	97	78	0	1	7	0
AL	NOME	39	32	46	27	35	7	0.17	0.00	0.05	3.45	246	5.78	172	94	78	0	3	5	0
	BIRMINGHAM	76	53	84	38	64	-1	0.17	-0.96	0.17	7.94	77	18.81	92	80	38	0	0	1	0
	HUNTSVILLE	77	50	88	37	64	-2	0.00	-1.17	0.00	6.78	69	17.51	87	81	33	0	0	0	0
	MOBILE	80	55	86	45	67	-1	0.03	-1.32	0.03	8.04	75	17.78	84	91	39	0	0	1	0
	MONTGOMERY	78	52	87	41	65	-3	0.24	-0.62	0.24	10.02	113	25.52	137	94	39	0	0	1	0
AR	FORT SMITH	75	53	81	37	64	-1	0.76	-0.49	0.71	8.69	105	13.39	96	88	48	0	0	3	1
	LITTLE ROCK	75	54	84	41	65	1	1.74	0.31	1.15	10.29	103	22.50	127	80	44	0	0	3	2
AZ	FLAGSTAFF	62	33	73	30	47	2	0.57	0.40	0.38	3.86	143	9.33	133	78	29	0	3	3	0
	PHOENIX	92	68	102	63	80	5	0.00	-0.02	0.00	1.70	163	3.74	132	30	11	4	0	0	0
	PRESCOTT	71	45	81	42	58	3	0.35	0.26	0.24	2.34	167	4.65	118	63	22	0	0	3	0
CA	TUCSON	86	58	95	53	72	2	0.00	-0.02	0.00	2.07	263	5.18	207	38	12	3	0	0	0
	BAKERSFIELD	77	55	91	48	66	1	0.00	-0.11	0.00	1.64	95	5.31	128	75	33	1	0	0	0
	EUREKA	56	45	60	40	51	-1	0.52	-0.14	0.35	8.25	90	25.30	116	99	77	0	0	2	0
	FRESNO	77	55	88	50	66	2	0.01	-0.18	0.01	3.48	120	8.67	123	79	35	0	0	1	0
	LOS ANGELES	64	55	66	53	60	-2	0.00	-0.09	0.00	3.76	163	15.26	185	89	64	0	0	0	0
CO	REDDING	76	56	88	50	66	5	0.12	-0.33	0.12	6.46	94	19.39	104	75	35	0	0	1	0
	SACRAMENTO	74	51	85	45	62	1	0.10	-0.11	0.10	3.22	83	11.40	102	89	42	0	0	1	0
	SAN DIEGO	65	59	67	57	62	-1	0.00	-0.11	0.00	2.69	129	10.76	169	80	62	0	0	0	0
	SAN FRANCISCO	65	54	71	51	59	1	0.00	-0.21	0.00	4.13	102	13.36	111	82	55	0	0	0	0
	STOCKTON	75	52	86	48	64	1	0.03	-0.16	0.03	3.67	124	10.17	124	85	39	0	0	1	0
CT	ALAMOSA	67	28	75	24	48	3	0.05	-0.09	0.05	1.31	129	2.02	124	78	16	0	6	1	0
	CO SPRINGS	66	39	78	33	53	3	1.24	0.82	1.18	3.01	146	5.01	186	87	31	0	0	3	1
	DENVER INTL	67	41	78	31	54	5	1.84	1.37	1.48	4.81	208	6.54	210	81	35	0	1	3	1
	GRAND JUNCTION	74	48	86	41	61	7	0.33	0.11	0.20	1.48	87	2.14	75	52	20	0	0	2	0
	PUEBLO	73	41	86	33	57	4	0.89	0.47	0.89	2.93	132	4.71	165	77	25	0	0	1	1
DC	BRIDGEPORT	58	39	68	36	49	-5	0.01	-0.96	0.01	12.94	165	20.72	145	76	34	0	0	1	0
	HARTFORD	64	35	70	31	49	-4	0.01	-0.92	0.01	11.77	161	21.92	158	75	24	0	1	1	0
	WASHINGTON	66	48	77	42	57	-4	0.03	-0.76	0.03	6.30	99	13.45	112	72	33	0	0	1	0
DE	WILMINGTON	61	39	71	32	50	-7	0.00	-0.82	0.00	11.52	157	19.54	144	83	38	0	1	0	0
FL	DAYTONA BEACH	80	59	88	50	69	-2	0.04	-0.44	0.03	4.51	79	9.99	92	95	46	0	0	2	0
	JACKSONVILLE	80	56	86	49	68	-2	0.13	-0.49	0.13	6.94	116	13.33	109	91	43	0	0	1	0
	KEY WEST	84	74	87	73	79	0	0.01	-0.57	0.01	5.50	163	11.56	170	79	59	0	0	1	0
	MIAMI	83	70	86	68	77	-1	1.04	0.13	1.00	5.77	105	9.69	101	78	48	0	0	2	1
	ORLANDO	83	59	89	54	71	-2	0.14	-0.46	0.14	2.45	45	6.41	64	89	41	0	0	1	0
GA	PENSACOLA	76	58	82	49	67	-3	0.05	-1.20	0.05	7.80	75	15.26	75	83	45	0	0	1	0
	TALLAHASSEE	83	53	88	44	68	-1	0.03	-0.71	0.03	15.02	177	22.17	127	91	39	0	0	1	0
	TAMPA	83	65	88	58	74	-1	0.00	-0.61	0.00	3.80	78	10.08	99	79	42	0	0	0	0
	WEST PALM BEACH	83	70	88	65	77	1	0.11	-0.77	0.11	8.74	131	14.43	112	77	49	0	0	1	0
	ATHENS	74	50	80	41	62	-3	0.86	0.03	0.86	10.30	136	25.46	154	92	47	0	0	1	1
HI	ATLANTA	73	53	82	44	63	-2	0.39	-0.49	0.39	13.25	162	22.87	131	82	41	0	0	1	0
	AUGUSTA	76	47	82	39	62	-5	0.27	-0.34	0.27	5.23	77	11.08	76	97	38	0	0	1	0
	MACON	76	48	83	40	62	-5	0.23	-0.52	0.23	11.04	144	21.94	134	100	45	0	0	1	0
	SAVANNAH	78	55	85	46	66	-3	0.62	-0.14	0.62	8.81	133	14.04	109	92	40	0	0	1	1
	HILO	80	67	82	65	74	1	2.91	0.90	0.93	28.26	132	37.13	93	98	66	0	0	7	3
IA	HONOLULU	82	71	84	69	77	0	0.00	-0.14	0.00	1.66	54	4.54	65	81	50	0	0	0	0
	KAHULUI	80	67	82	63	73	-3	0.02	-0.24	0.01	2.49	64	7.40	88	92	59	0	0	2	0
	LIHUE	79	71	80	69	75	0	0.52	0.13	0.31	14.03	188	18.51	132	85	66	0	0	5	0
	BURLINGTON	66	44	78	33	55	0	2.02	0.96	1.09	11.50	196	13.46	148	86	41	0	0	2	2
	CEDAR RAPIDS	67	40	82	26	53	1	0.14	-0.79	0.07	3.07	59	3.67	49	85	34	0	2	2	0
ID	DES MOINES	68	46	77	31	57	3	0.79	-0.30	0.65	4.42	77	8.73	107	76	36	0	1	2	1
	DUBUQUE	64	40	79	24	52	1	0.22	-0.80	0.14	6.79	115	8.76	99	84	36	0	1	2	0
	SIOUX CITY	66	40	74	27	53	1	1.46	0.65	1.44	6.10	133	7.72	125	85	47	0	2	2	1
	WATERLOO	67	40	75	28	53	1	1.78	0.74	1.17	5.65	101	7.17	91	77	32	0	1	2	2
	BOISE	68	43	74	34	55	2	0.01	-0.26	0.01	3.90	159	8.23	168	67	24	0	0	1	0
IL	LEWISTON	66	43	72	35	55	1	0.12	-0.22	0.10	1.70	65	4.44	92	70	30	0	0	3	0
	POCATELLO	65	38	72	29	51	4	0.29	0.00	0.27	3.77	165	7.33	166	76	31	0	2	3	0
	CHICAGO/O_HARE	62	41	79	33	51	-1	0.41	-0.55	0.38	5.92	102	9.91	101	78	37	0	0	2	0
	MOLINE	67	43	80	31	55	0	0.96	-0.04	0.64	7.87	131	10.89	114	81	36	0	1	2	1
	PEORIA	65	44	79	33	54	-2	1.72	0.69	0.78	7.83	125	11.50	110	88	40	0	0	3	2
IN	ROCKFORD	65	39	79	26	52	0	0.49	-0.43	0.43	8.05	140	10.59	117	83	33	0	2	2	0
	SPRINGFIELD	65	45	79	32	55	-3	0.13	-0.92	0.12	5.94	95	10.59	104	88	41	0	1	2	0
	EVANSVILLE	70	47	80	36	59	-2	0.16	-1.21	0.16	7.47	81	14.31	90	85	40	0	0	1	0
	FORT WAYNE	61	40	79	31	50	-3	1.46	0.59	0.83	10.68	173	15.55	143	87	44	0	1	3	1
	INDIANAPOLIS	64	43	79	34	53	-3	0.19												

Weather Data for the Week Ending April 27, 2024

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																		TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
KY	LEXINGTON	68	43	78	31	55	-4	0.06	-1.07	0.06	6.84	81	15.65	100	84	42	0	1	1	0	
	LOUISVILLE	70	48	82	39	59	-3	0.19	-1.04	0.18	6.37	71	14.17	89	74	34	0	0	2	0	
LA	PADUCAH	73	48	83	35	60	-1	0.26	-1.09	0.10	4.78	51	14.53	84	88	32	0	0	4	0	
	BATON ROUGE	82	57	89	46	70	0	0.13	-1.04	0.13	10.75	119	21.01	105	90	41	0	0	1	0	
	LAKE CHARLES	78	60	82	49	69	-2	0.23	-0.85	0.23	5.81	76	17.41	103	93	49	0	0	1	0	
MA	NEW ORLEANS	79	61	85	49	70	-2	0.04	-1.23	0.04	14.74	163	26.13	141	90	47	0	0	1	0	
	SHREVEPORT	81	62	88	46	71	3	0.00	-1.19	0.00	0.00	0	0.00	0	84	44	0	0	0	0	
	BOSTON	57	38	66	34	48	-4	***	***	***	***	***	***	***	75	31	0	0	***	***	
MD	WORCESTER	58	35	63	30	46	-4	0.06	-0.86	0.04	12.86	163	22.41	151	68	25	0	2	2	0	
	BALTIMORE	64	43	75	35	53	-5	0.02	-0.78	0.02	7.97	113	15.58	118	76	34	0	0	1	0	
ME	CARIBOU	49	24	63	19	37	-6	0.23	-0.48	0.22	6.18	113	9.30	85	74	32	0	7	2	0	
	PORTLAND	55	29	59	26	42	-6	0.03	-1.01	0.03	12.34	153	20.69	135	80	31	0	6	1	0	
MI	ALPENA	59	28	80	20	43	-1	0.18	-0.52	0.12	6.23	140	9.51	121	91	30	0	5	2	0	
	GRAND RAPIDS	61	37	80	28	49	-2	0.18	-0.76	0.12	5.41	90	10.50	98	80	37	0	2	3	0	
	HOUGHTON LAKE	59	30	72	22	45	-1	0.29	-0.45	0.16	4.96	113	6.45	102	93	32	0	5	2	0	
MN	LANSING	61	35	81	27	48	-2	0.53	-0.24	0.37	5.24	104	9.32	105	83	38	0	3	2	0	
	MUSKEGON	60	39	74	32	50	0	0.10	-0.72	0.06	5.23	95	8.74	86	75	39	0	1	2	0	
	TRAVERSE CITY	62	35	80	27	48	2	0.15	-0.53	0.08	3.76	92	5.39	79	81	29	0	4	3	0	
MO	DULUTH	55	33	65	28	44	1	0.63	0.00	0.50	3.46	93	4.50	79	86	43	0	4	4	1	
	INT'L FALLS	59	32	68	24	46	4	0.51	0.10	0.23	2.00	81	3.40	86	86	31	0	4	3	0	
	MINNEAPOLIS	62	41	70	33	52	1	0.31	-0.42	0.24	5.19	121	5.97	98	72	35	0	0	3	0	
MS	ROCHESTER	62	36	67	27	49	0	0.21	-0.67	0.18	4.44	85	5.24	72	76	38	0	3	2	0	
	ST. CLOUD	62	40	71	30	51	4	0.64	-0.05	0.41	5.46	141	6.65	124	75	36	0	1	2	0	
	COLUMBIA	68	47	76	35	57	-2	1.50	0.16	0.59	6.47	88	9.39	80	85	44	0	0	4	2	
MT	KANSAS CITY	70	47	79	34	58	1	2.62	1.48	1.30	6.88	116	9.09	105	82	42	0	0	3	2	
	SAINT LOUIS	68	48	77	38	58	-2	1.23	0.03	0.79	8.28	107	12.64	100	82	39	0	0	2	1	
	SPRINGFIELD	69	46	77	33	57	-2	2.58	1.27	1.73	7.06	92	10.42	82	89	47	0	0	2	2	
NC	JACKSON	78	53	85	40	66	-1	0.63	-0.59	0.63	18.02	163	32.14	147	93	42	0	0	1	1	
	MERIDIAN	79	51	86	39	65	-3	0.98	-0.28	0.98	13.94	130	24.68	112	93	41	0	0	1	1	
	TUPELO	77	50	87	38	64	-2	0.00	-1.30	0.00	12.59	121	24.14	116	81	35	0	0	0	0	
ND	BILLINGS	65	39	74	29	52	4	0.07	-0.33	0.07	1.72	70	2.94	82	63	25	0	1	1	0	
	BUTTE	57	29	68	19	43	3	0.16	-0.17	0.16	1.49	81	2.94	108	76	29	0	4	1	0	
	CUT BANK	58	32	67	26	45	3	0.30	0.05	0.30	0.78	64	1.17	69	68	25	0	2	1	0	
NE	GLASGOW	70	37	75	27	53	5	0.00	-0.29	0.00	1.27	94	2.30	107	61	22	0	2	0	0	
	GREAT FALLS	62	35	74	27	49	4	0.13	-0.30	0.13	2.46	110	4.54	133	65	29	0	2	1	0	
	HAVRE	67	35	75	22	51	4	0.08	-0.20	0.08	1.24	89	3.06	138	73	20	0	2	1	0	
NH	MISSOULA	60	34	71	25	47	1	0.40	0.09	0.24	2.06	95	3.73	92	80	34	0	4	2	0	
	ASHEVILLE	66	43	73	34	54	-5	0.45	-0.59	0.38	7.83	103	17.56	115	89	41	0	0	2	0	
	CHARLOTTE	71	50	77	41	60	-3	0.33	-0.61	0.33	6.03	81	14.22	100	86	38	0	0	1	0	
NJ	GREENSBORO	69	47	75	38	58	-4	0.43	-0.48	0.41	5.66	79	14.76	109	87	38	0	0	2	0	
	HATTERAS	65	53	70	48	59	-5	0.74	-0.20	0.72	11.61	145	15.33	88	91	57	0	0	2	1	
	RALEIGH	71	46	80	37	59	-5	0.34	-0.50	0.26	5.29	72	11.37	83	91	38	0	0	2	0	
NM	WILMINGTON	72	49	78	39	61	-5	0.89	0.15	0.89	8.19	121	11.65	82	89	46	0	0	1	1	
	BISMARCK	64	36	77	23	50	4	0.91	0.54	0.85	2.33	116	3.03	100	84	36	0	2	4	1	
	DICKINSON	65	33	80	23	49	5	0.08	-0.27	0.08	0.89	51	0.94	40	83	31	0	4	1	0	
NV	FARGO	66	40	80	27	53	6	0.35	-0.05	0.27	2.31	89	3.15	78	69	29	0	2	2	0	
	GRAND FORKS	63	33	78	22	48	3	0.33	-0.02	0.32	1.20	61	1.70	57	80	29	0	3	2	0	
	JAMESTOWN	64	35	78	25	49	4	0.23	-0.17	0.23	1.47	85	1.52	62	79	35	0	4	1	0	
NY	GRAND ISLAND	69	43	76	29	56	3	3.57	2.91	2.50	5.74	160	7.25	146	83	37	0	1	3	2	
	LINCOLN	70	42	79	26	56	1	1.99	1.21	1.43	2.97	100	4.30	93	83	35	0	1	3	1	
	NORFOLK	66	43	73	30	54	3	1.99	1.26	1.37	5.91	153	7.33	138	83	43	0	2	2	2	
OH	NORTH PLATTE	67	39	73	21	53	3	1.47	0.85	0.68	3.15	104	4.60	115	88	39	0	1	4	2	
	OMAHA	69	44	77	31	56	1	0.97	0.11	0.75	3.60	78	4.52	71	84	37	0	1	3	1	
	SCOTTSBLUFF	68	39	78	20	54	4	1.08	0.59	0.96	2.63	97	4.41	120	79	32	0	1	3	1	
PA	VALENTINE	64	39	76	22	52	2	0.25	-0.42	0.19	3.26	101	4.69	112	86	40	0	1	3	0	
	CONCORD	60	27	67	24	44	-5	0.08	-0.71	0.07	8.72	137	15.80	131	85	23	0	7	2	0	
	ATLANTIC_CITY	59	36	74	31	47	-8	0.00	-0.75	0.00	12.06	160	20.20	141	83	33	0	3	0	0	
TX	NEWARK	62	42	74	38	52	-5	0.04	-0.89	0.04	9.78	128	16.09	113	66	28	0	0	1	0	
	ALBUQUERQUE	74	49	83	45	61	3	0.11	0.00	0.11	0.60	64	1.34	77	58	18	0	0	1	0	
	ELY	64	33	74	31	48	3	0.74	0.50	0.61	2.38	122	4.28	119	82	29	0	4	3	1	
UT	LAS VEGAS	82	62	92	52	72	2	0.25	0.21	0.25	0.91	151	2.07	104	44	16	2	0	1	0	
	RENO	71	47	82	38	58	5	0.08	-0.02	0.07	2.55	212	4.95	140	64	22	0	0	2	0	
	WINNEMUCCA	64	42	72	33	53	3	0.81	0.67	0.73	3.38	207	6.80	204	91	34	0	0	3	1	
VT	ALBANY	61	33	70	30	47	-5	0.00	-0.72	0.00	9.29	158	14.74	136	70	26	0	2	0	0	
	BINGHAMTON	56	32	66	27	44	-4	0.17	-0.68	0.10	8.10	128	14.25	124	71	31	0	5	2	0	
	BUFFALO	56	37	66	29	47	-2	0.32	-0.45	0.13	5.41	91	11.07	93	81	37	0	3	3	0	
WA	ROCHESTER	55	36	68	28	46	-5	0.11	-0.56	0.08	5.61	108	9.99	100	82	35	0	4	2	0	
	SYRACUSE	58	35	71	28	47	-4	0.66	-0.13	0.53	6.87	111	12.43	109	80	31	0	3	3	1	
	AKRON-CANTON	60	37	77	30																

Weather Data for the Week Ending April 27, 2024

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
OK	YOUNGSTOWN	62	37	79	30	49	-3	0.26	-0.60	0.11	8.91	134	14.41	117	83	44	0	2	3	0
	OKLAHOMA CITY	77	54	84	37	65	4	1.10	0.05	0.73	4.85	85	7.86	92	87	46	0	0	3	1
	TULSA	77	53	82	39	65	2	2.71	1.48	1.53	5.19	75	9.19	89	90	46	0	0	3	2
OR	ASTORIA	57	45	63	37	51	1	2.12	0.93	1.24	10.51	79	33.35	106	93	68	0	0	5	2
	BURNS	65	35	75	25	50	4	0.04	-0.16	0.03	1.35	73	5.63	136	77	25	0	1	2	0
	EUGENE	63	42	76	34	52	0	0.33	-0.31	0.22	5.59	72	14.88	79	92	53	0	0	3	0
PA	MEDFORD	68	46	81	42	57	3	0.26	-0.06	0.19	3.48	108	9.65	121	78	35	0	0	2	0
	PENDLETON	64	40	70	31	53	1	0.08	-0.19	0.08	1.26	52	4.61	88	75	29	0	1	1	0
	PORTLAND	65	48	78	42	56	2	0.45	-0.15	0.36	3.61	54	16.93	109	78	43	0	0	3	0
	SALEM	62	44	74	35	53	0	0.60	-0.02	0.34	5.29	73	19.80	109	87	49	0	0	3	0
	ALLENTOWN	62	34	69	30	48	-7	0.04	-0.84	0.04	9.36	135	16.91	129	76	27	0	3	1	0
	ERIE	58	38	75	31	48	-3	0.37	-0.41	0.16	5.25	84	10.30	84	84	44	0	3	3	0
	MIDDLETOWN	61	41	70	37	51	-5	0.07	-0.79	0.04	8.35	121	16.56	131	79	34	0	0	2	0
	PHILADELPHIA	63	42	72	39	53	-5	0.01	-0.79	0.01	11.02	155	18.35	140	76	29	0	0	1	0
	PITTSBURGH	64	40	81	33	52	-3	0.08	-0.70	0.07	10.70	174	16.63	140	77	37	0	0	2	0
	WILKES-BARRE	61	35	69	31	48	-6	0.05	-0.72	0.03	7.79	137	14.87	142	65	26	0	3	2	0
RI	WILLIAMSPORT	62	35	70	30	49	-5	0.09	-0.77	0.05	8.86	139	16.98	144	77	29	0	3	2	0
	PROVIDENCE	59	35	66	33	47	-6	0.00	-0.94	0.00	15.17	172	25.29	154	85	31	0	0	0	0
	CHARLESTON	76	54	83	42	65	-3	0.24	-0.52	0.24	11.59	183	16.53	128	89	41	0	0	1	0
SC	COLUMBIA	75	50	81	40	62	-4	0.44	-0.22	0.42	9.72	159	15.03	114	98	45	0	0	2	0
	FLORENCE	75	48	82	36	61	-5	0.30	-0.41	0.22	6.71	113	11.30	93	94	41	0	0	2	0
	GREENVILLE	71	47	78	40	59	-5	0.46	-0.54	0.44	8.76	107	21.40	131	86	42	0	0	2	0
SD	ABERDEEN	65	39	75	26	52	4	0.50	-0.09	0.43	3.21	127	3.50	94	79	37	0	2	3	0
	HURON	64	39	72	25	52	3	1.37	0.69	1.12	3.36	99	4.41	93	87	42	0	2	2	1
	RAPID CITY	67	38	76	24	52	6	0.74	0.19	0.47	5.18	189	5.99	168	76	36	0	1	2	0
TN	SIOUX FALLS	66	42	74	27	54	3	1.07	0.31	1.07	4.47	104	5.79	100	72	39	0	1	1	1
	BRISTOL	69	41	79	32	55	-4	0.42	-0.45	0.19	6.16	83	13.49	90	90	37	0	1	3	0
	CHATTANOOGA	74	51	80	41	63	-2	0.00	-1.17	0.00	7.55	77	16.90	84	76	33	0	0	0	0
TX	KNOXVILLE	70	46	78	38	58	-4	0.51	-0.60	0.39	7.63	83	18.11	95	88	38	0	0	2	0
	MEMPHIS	74	53	85	41	64	-2	0.42	-1.05	0.34	8.20	74	18.42	92	82	37	0	0	3	0
	NASHVILLE	74	49	84	37	62	-2	0.28	-0.96	0.24	6.38	73	15.33	88	78	33	0	0	2	0
	ABILENE	80	59	89	45	69	1	0.83	0.31	0.79	3.59	107	7.00	121	93	45	0	0	2	1
	AMARILLO	75	49	84	36	62	3	0.01	-0.39	0.01	2.55	100	4.19	110	79	30	0	0	1	0
	AUSTIN	79	63	84	49	71	0	0.02	-0.57	0.02	3.38	67	10.32	107	89	57	0	0	1	0
	BEAUMONT	79	62	83	51	70	-1	0.11	-0.80	0.11	5.76	80	19.07	121	92	57	0	0	1	0
	BROWNSVILLE	85	72	91	63	78	0	0.50	0.20	0.41	1.28	46	4.54	92	93	66	1	0	3	0
	CORPUS CHRISTI	81	68	86	58	75	0	0.03	-0.44	0.02	1.25	30	5.50	80	94	67	0	0	2	0
	DEL RIO	88	69	98	59	79	4	0.00	-0.37	0.00	0.11	4	0.69	18	75	37	3	0	0	0
UT	EL PASO	84	60	92	50	72	3	0.00	-0.04	0.00	0.06	16	0.78	65	39	13	2	0	0	0
	FORT WORTH	76	61	82	46	69	1	0.41	-0.43	0.41	9.85	160	14.72	127	89	58	0	0	1	0
	GALVESTON	77	67	82	59	72	-1	0.14	-0.31	0.14	3.59	73	11.20	98	92	68	0	0	1	0
	HOUSTON	79	63	84	52	71	-1	0.20	-0.74	0.20	5.44	77	16.09	116	91	57	0	0	1	0
	LUBBOCK	81	53	93	44	67	4	0.00	-0.36	0.00	1.76	78	3.06	85	73	26	2	0	0	0
	MIDLAND	82	57	91	44	69	1	0.02	-0.13	0.02	1.27	96	1.84	71	84	29	1	0	1	0
	SAN ANGELO	84	59	93	48	72	3	0.02	-0.35	0.02	1.17	42	2.33	47	87	37	4	0	1	0
	SAN ANTONIO	80	64	86	52	72	1	0.04	-0.57	0.04	2.71	61	8.91	108	89	57	0	0	1	0
	VICTORIA	81	64	89	51	73	0	0.02	-0.67	0.02	2.60	46	13.00	125	92	57	0	0	1	0
	WACO	77	60	83	42	69	0	0.05	-0.80	0.03	5.43	87	11.11	95	95	63	0	0	2	0
VA	WICHITA FALLS	78	56	86	41	67	2	3.98	3.28	3.31	8.44	200	12.73	185	90	53	0	0	2	2
	SALT LAKE CITY	69	50	79	45	59	6	1.12	0.63	0.85	3.45	93	7.43	114	71	33	0	0	2	1
	LYNCHBURG	68	44	75	33	56	-3	0.02	-0.83	0.02	6.40	93	14.24	106	84	37	0	0	1	0
VT	NORFOLK	62	48	68	41	55	-8	0.32	-0.51	0.30	11.48	171	17.52	133	84	53	0	0	2	0
	RICHMOND	67	45	77	37	56	-6	0.22	-0.57	0.21	8.64	126	16.65	130	86	42	0	0	2	0
	ROANOKE	70	47	78	38	58	-2	0.01	-0.86	0.01	4.54	68	11.08	86	70	33	0	0	1	0
WV	WASH/DULLES	65	43	75	34	54	-4	0.08	-0.79	0.08	5.25	79	12.44	101	78	33	0	0	1	0
	BURLINGTON	57	31	70	27	44	-5	0.16	-0.60	0.12	6.49	130	10.00	111	74	27	0	3	2	0
	OLYMPIA	60	43	73	32	51	2	1.08	0.34	0.85	6.28	69	20.74	93	96	57	0	1	4	1
WI	QUILLAYUTE	59	44	65	35	52	4	2.79	1.16	1.69	16.95	87	42.99	95	85	58	0	0	5	2
	SEATTLE-TACOMA	58	46	70	42	52	-1	0.63	-0.04	0.43	3.35	47	12.99	77	87	52	0	0	4	0
	SPOKANE	62	41	68	32	51	2	0.00	-0.26	0.00	1.49	49	5.43	84	68	29	0	1	0	0
WY	YAKIMA	65	36	71	30	51	-1	0.08	-0.05	0.08	0.70	61	3.03	95	80	31	0	2	1	0
	EAU CLAIRE	61	37	68	27	49	0	0.01	-0.75	0.01	5.22	110	5.85	85	79	35	0	4	0	0
	GREEN BAY	63	34	79	29	49	1	0.62	-0.13	0.31	4.44	95	5.70	78	82	31	0	3	4	0
WY	LA CROSSE	64	39	70	29	52	-1	0.47	-0.46	0.43	4.52	83	5.66	71	78	31	0	2	2	0
	MADISON	64	38	80	28	51	1	0.20	-0.72	0.16	7.15	126	9.66	111	77	31	0	3	2	0
	MILWAUKEE	61	38	80	31	49	0	0.19	-0.71	0.12	8.86	156	12.72	138	78	38	0	2	3	0
WY	BECKLEY	65	41	77	29	53	-4	0.05	-0.82	0.05	5.75	79	13.63	100	76	32	0	1	1	0
	CHARLESTON	70	41	82	31	55	-4	0.19	-0.72	0.12	8.35	114	16.37	116	85	29	0	1	2	0
	ELKINS	6																		

National Agricultural Summary

April 22 – 28, 2024

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Large sections of the Great Basin, Mississippi Valley, Great Plains, Rockies, and Southwest recorded at least twice the normal amount of weekly precipitation. Parts of eastern Kansas received at least 6 inches of rain. Meanwhile, most of the nation's mid-section and West recorded above-normal temperatures for

the week. Parts of the Great Plains and Rockies recorded temperatures 6°F or more above normal. In contrast, most of the eastern one-third of the nation was cooler than normal. Some locations in eastern Kentucky, the mid-Atlantic, and Northeast noted temperatures 6°F or more below normal.

Corn: By April 28, producers had planted 27 percent of the nation's corn crop, 4 percentage points ahead of last year and 5 points ahead of the 5-year average. Progress was furthest advanced in Texas and North Carolina, with 71 and 70 percent planted, respectively. Seven percent of the nation's corn acreage had emerged by April 28, two percentage points ahead of the previous year and 3 points ahead of average.

Soybean: Eighteen percent of the nation's soybean acreage was planted by April 28, two percentage points ahead of last year and 8 points ahead of the 5-year average. Progress was furthest advanced in Arkansas and Mississippi, with 56 and 52 percent planted, respectively.

Winter Wheat: By April 28, thirty percent of the nation's winter wheat crop was headed, 7 percentage points ahead of last year and 9 points ahead of the 5-year average. On April 28, forty-nine percent of the 2024 winter wheat crop was reported in good to excellent condition, 1 percentage point below the previous week but 21 points above last year. In Kansas, the largest winter wheat-producing state, 31 percent of the winter wheat crop was rated in good to excellent condition.

Cotton: Nationwide, 15 percent of the cotton crop was planted by April 28, one percentage point ahead of both the previous year and the 5-year average. Planting progress was furthest advanced in Arizona at 64 percent, 21 percentage points ahead of last year and 9 points ahead of average.

Sorghum: Nineteen percent of the nation's sorghum acreage was planted by April 28, one percentage point behind both last year and the 5-year average. Texas had planted 65 percent of its sorghum acreage by April 28, two percentage points behind last year and 1 point behind average.

Rice: By April 28, producers had seeded 72 percent of the 2024 rice acreage, 12 percentage points ahead of the previous year and 26 points ahead of the 5-year average. Louisiana and Texas had the largest percentages of acreage planted, at 92 and

86 percent, respectively. By April 28, forty-eight percent of the nation's rice acreage had emerged, 12 percentage points ahead of last year and 20 points ahead of average.

Small Grains: Nationally, oat producers had seeded 63 percent of this year's acreage by April 28, sixteen percentage points ahead of last year and 12 points ahead of the 5-year average. Forty-two percent of the nation's oat acreage had emerged by April 28, ten percentage points ahead of the previous year and 8 points ahead of average.

Thirty-five percent of the nation's barley crop was planted by April 28, nineteen percentage points ahead of last year and 6 points ahead of the 5-year average. Progress was furthest advanced in Washington and Idaho, with 70 and 65 percent planted, respectively. Six percent of the nation's barley crop had emerged by April 28, four percentage points ahead of the previous year but 2 points behind average.

By April 28, thirty-four percent of the spring wheat crop was seeded, 24 percentage points ahead of last year and 15 points ahead of the 5-year average. Progress was furthest advanced in Washington and Idaho, with 76 and 72 percent planted, respectively. By April 28, five percent of the nation's spring wheat crop had emerged, 3 percentage points ahead of the previous year but equal to the 5-year average.

Other Crops: Nationally, producers had planted 9 percent of the 2024 peanut acreage by April 28, two percentage points ahead of the previous year and 1 point ahead of the 5-year average. Producers in Florida had planted 23 percent of the 2024 intended acreage by week's end, equal to last year but 1 percentage point ahead of average.

By April 28, sixty-six percent of the sugarbeet crop was planted, 44 percentage points ahead of last year and 34 points ahead of the 5-year average. Progress was furthest advanced in Minnesota and Idaho, with 81 and 63 percent planted, respectively.

Crop Progress and Condition

Week Ending April 28, 2024

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

Corn Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
CO	5	1	8	12
IL	34	11	25	25
IN	17	2	8	13
IA	24	13	39	28
KS	31	26	39	29
KY	47	23	35	38
MI	2	1	4	5
MN	4	8	30	18
MO	74	47	63	40
NE	24	6	22	23
NC	65	51	70	65
ND	0	0	6	2
OH	9	0	6	6
PA	13	0	2	6
SD	1	3	13	6
TN	57	31	49	45
TX	73	68	71	69
WI	2	2	10	8
18 Sts	23	12	27	22
These 18 States planted 92% of last year's corn acreage.				

Corn Percent Emerged				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
CO	0	0	0	0
IL	3	1	6	3
IN	1	0	0	1
IA	1	0	2	1
KS	8	3	17	6
KY	21	8	15	14
MI	0	0	0	0
MN	0	0	1	0
MO	25	12	35	10
NE	1	0	1	1
NC	41	26	46	40
ND	0	0	0	0
OH	0	0	0	0
PA	1	0	0	0
SD	0	0	0	0
TN	20	5	18	18
TX	64	55	62	58
WI	0	0	0	0
18 Sts	5	3	7	4
These 18 States planted 92% of last year's corn acreage.				

Soybeans Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
AR	40	43	56	23
IL	32	11	26	18
IN	15	2	8	9
IA	13	8	25	12
KS	11	6	12	6
KY	25	13	22	15
LA	54	42	49	37
MI	5	1	7	6
MN	1	5	14	5
MS	40	28	52	35
MO	29	16	24	9
NE	13	2	10	11
NC	8	6	14	9
ND	0	0	0	0
OH	12	0	7	6
SD	0	0	4	2
TN	21	17	28	10
WI	2	2	11	3
18 Sts	16	8	18	10
These 18 States planted 96% of last year's soybean acreage.				

Cotton Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
AL	13	3	8	10
AZ	43	42	64	55
AR	8	6	14	6
CA	66	20	40	60
GA	7	4	10	9
KS	1	0	1	1
LA	14	5	13	15
MS	3	1	12	5
MO	4	3	10	3
NC	5	1	3	5
OK	0	0	0	1
SC	2	4	10	6
TN	4	1	5	2
TX	19	16	18	18
VA	28	12	26	12
15 Sts	14	11	15	14
These 15 States planted 99% of last year's cotton acreage.				

Sorghum Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
CO	2	0	0	0
KS	1	1	2	1
NE	1	0	1	1
OK	16	0	5	6
SD	0	3	12	1
TX	67	60	65	66
6 Sts	20	17	19	20
These 6 States planted 100% of last year's sorghum acreage.				

Crop Progress and Condition**Week Ending April 28, 2024**

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

Rice Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
AR	63	67	83	43
CA	4	5	15	10
LA	88	87	92	84
MS	49	27	45	40
MO	70	56	68	37
TX	80	72	86	82
6 Sts	60	59	72	46
These 6 States planted 100% of last year's rice acreage.				

Rice Percent Emerged				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
AR	30	29	54	19
CA	0	0	0	0
LA	82	77	82	77
MS	26	13	25	20
MO	26	14	24	16
TX	66	56	72	68
6 Sts	36	33	48	28
These 6 States planted 100% of last year's rice acreage.				

Oats Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
IA	80	78	90	77
MN	9	29	50	25
NE	79	71	82	77
ND	1	4	16	4
OH	68	27	66	57
PA	63	25	44	53
SD	24	45	60	38
TX	100	100	100	100
WI	21	19	39	30
9 Sts	47	51	63	51
These 9 States planted 66% of last year's oat acreage.				

Oats Percent Emerged				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
IA	24	34	53	24
MN	2	10	15	7
NE	37	36	55	39
ND	0	1	2	0
OH	27	10	19	26
PA	31	5	35	33
SD	1	13	24	11
TX	100	100	100	100
WI	4	7	11	9
9 Sts	32	35	42	34
These 9 States planted 66% of last year's oat acreage.				

Peanuts Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
AL	10	1	4	8
FL	23	11	23	22
GA	5	3	9	7
NC	6	1	4	3
OK	0	0	0	2
SC	6	4	13	8
TX	0	0	0	2
VA	11	0	9	6
8 Sts	7	3	9	8
These 8 States planted 96% of last year's peanut acreage.				

Sugarbeets Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
ID	66	39	63	82
MI	68	18	49	52
MN	0	29	81	18
ND	0	17	50	10
4 Sts	22	26	66	32
These 4 States planted 86% of last year's sugarbeet acreage.				

Crop Progress and Condition

Week Ending April 28, 2024

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

Winter Wheat Percent Headed				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
AR	64	50	65	57
CA	80	65	75	68
CO	0	0	0	0
ID	0	0	0	0
IL	13	11	16	11
IN	4	0	7	2
KS	9	4	33	6
MI	0	0	0	0
MO	21	23	51	17
MT	0	0	0	0
NE	0	0	0	0
NC	71	41	67	55
OH	0	0	0	0
OK	40	30	45	41
OR	0	0	0	2
SD	0	0	0	0
TX	64	50	64	64
WA	0	0	0	1
18 Sts	23	17	30	21
These 18 States planted 89% of last year's winter wheat acreage.				

Winter Wheat Condition by Percent					
	VP	P	F	G	EX
AR	0	4	31	59	6
CA	0	0	5	25	70
CO	10	13	31	44	2
ID	0	5	28	62	5
IL	0	1	12	71	16
IN	1	3	18	62	16
KS	10	21	38	28	3
MI	0	4	29	44	23
MO	1	1	20	69	9
MT	0	5	52	41	2
NE	2	5	30	48	15
NC	0	2	20	71	7
OH	1	3	27	55	14
OK	3	11	40	43	3
OR	2	9	26	51	12
SD	1	3	29	61	6
TX	5	9	38	41	7
WA	4	8	32	52	4
18 Sts	5	11	35	43	6
Prev Wk	5	11	34	43	7
Prev Yr	19	23	30	25	3

Spring Wheat Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
ID	40	55	72	57
MN	0	18	48	11
MT	10	7	35	20
ND	5	7	20	11
SD	13	40	62	36
WA	67	60	76	73
6 Sts	10	15	34	19
These 6 States planted 100% of last year's spring wheat acreage.				

Spring Wheat Percent Emerged				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
ID	9	10	30	18
MN	0	2	5	2
MT	0	0	0	2
ND	0	0	1	1
SD	0	6	10	11
WA	30	18	38	38
6 Sts	2	2	5	5
These 6 States planted 100% of last year's spring wheat acreage.				

Barley Percent Planted				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
ID	42	53	65	59
MN	1	12	30	10
MT	12	21	30	24
ND	1	3	16	6
WA	47	52	70	62
5 Sts	16	24	35	29
These 5 States planted 84% of last year's barley acreage.				

Barley Percent Emerged				
	Prev Year	Prev Week	Apr 28 2024	5-Yr Avg
ID	10	8	23	22
MN	0	1	4	1
MT	0	0	0	1
ND	0	0	1	0
WA	10	4	24	25
5 Sts	2	2	6	8
These 5 States planted 84% of last year's barley acreage.				

VP - Very Poor

P - Poor

F - Fair

G - Good

EX - Excellent

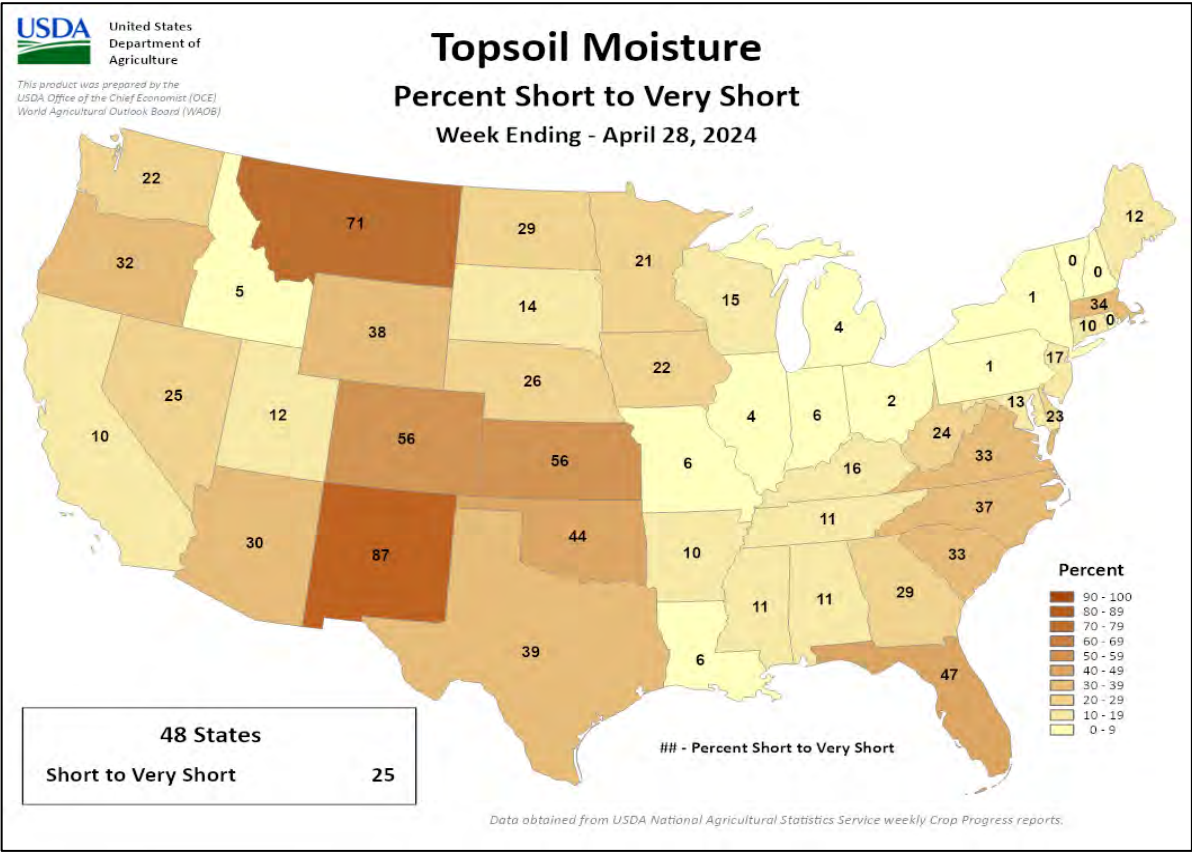
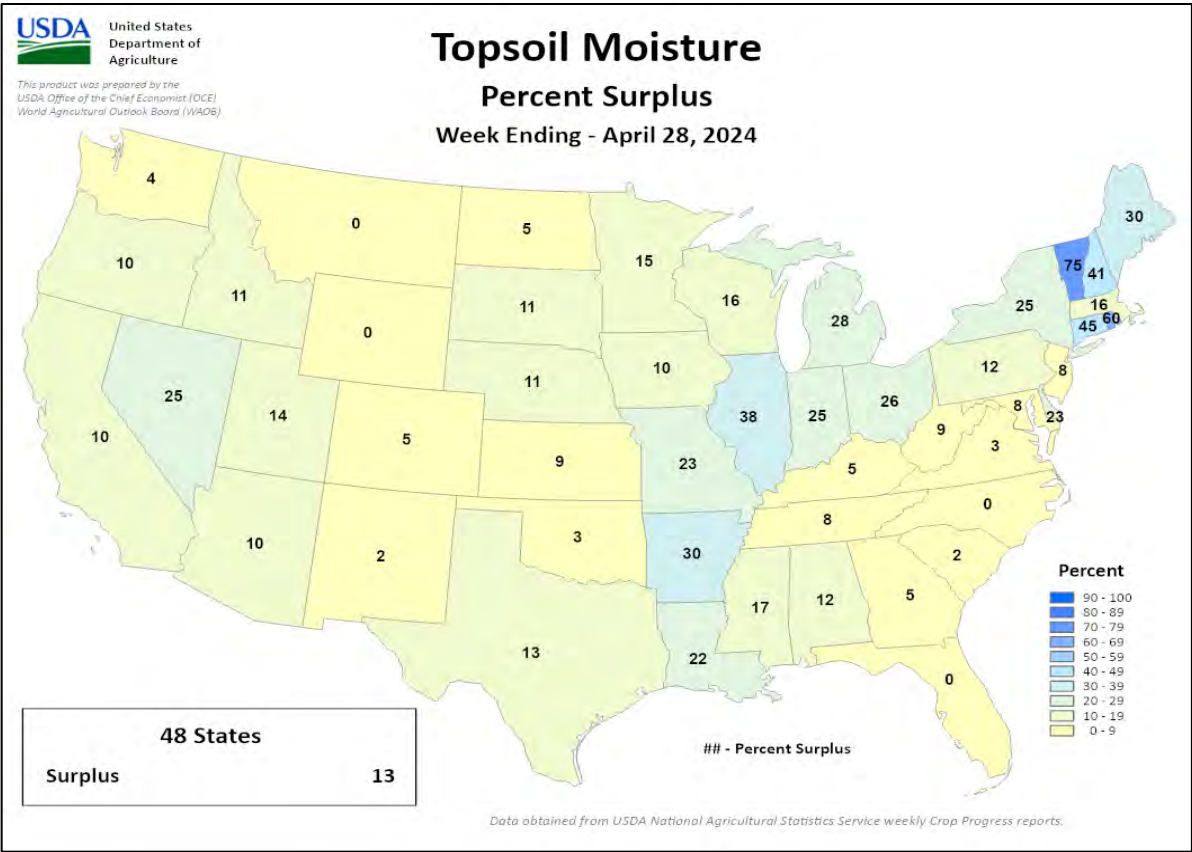
NA - Not Available

*Revised

Crop Progress and Condition

Week Ending April 28, 2024

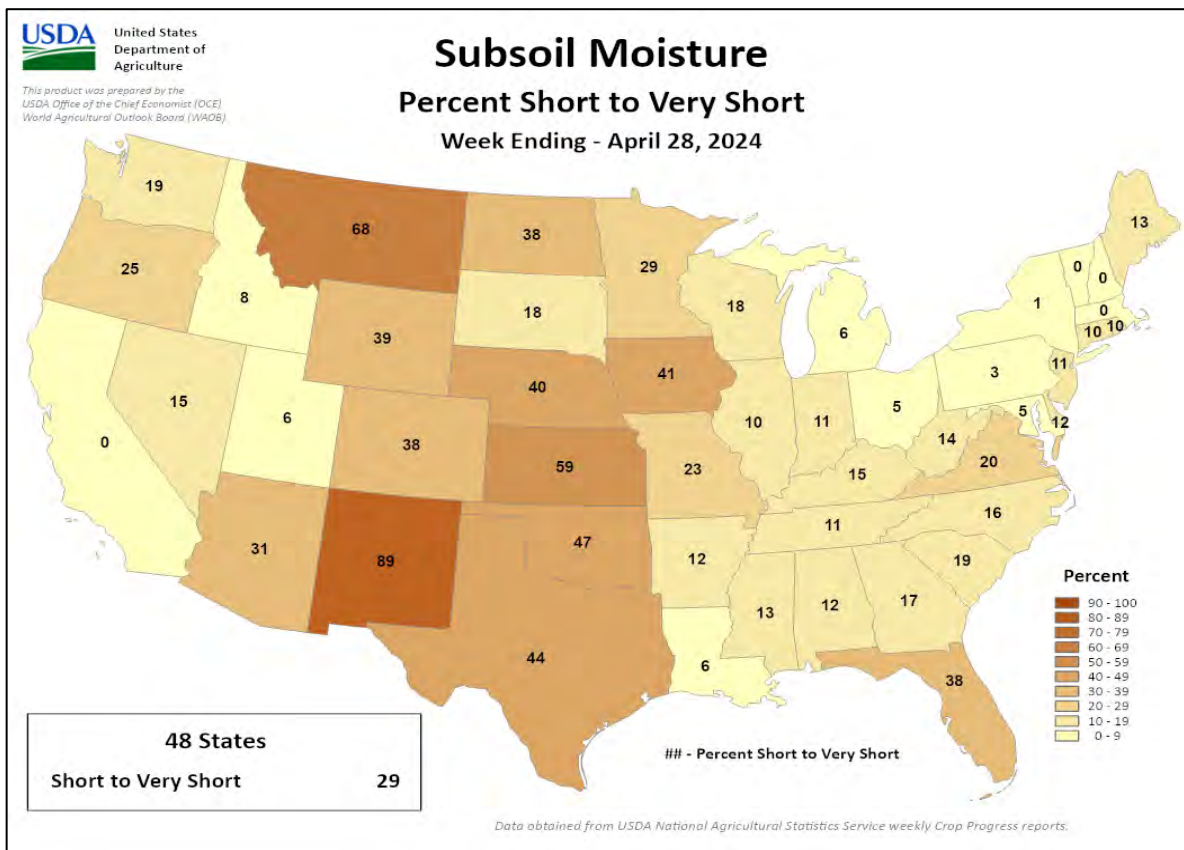
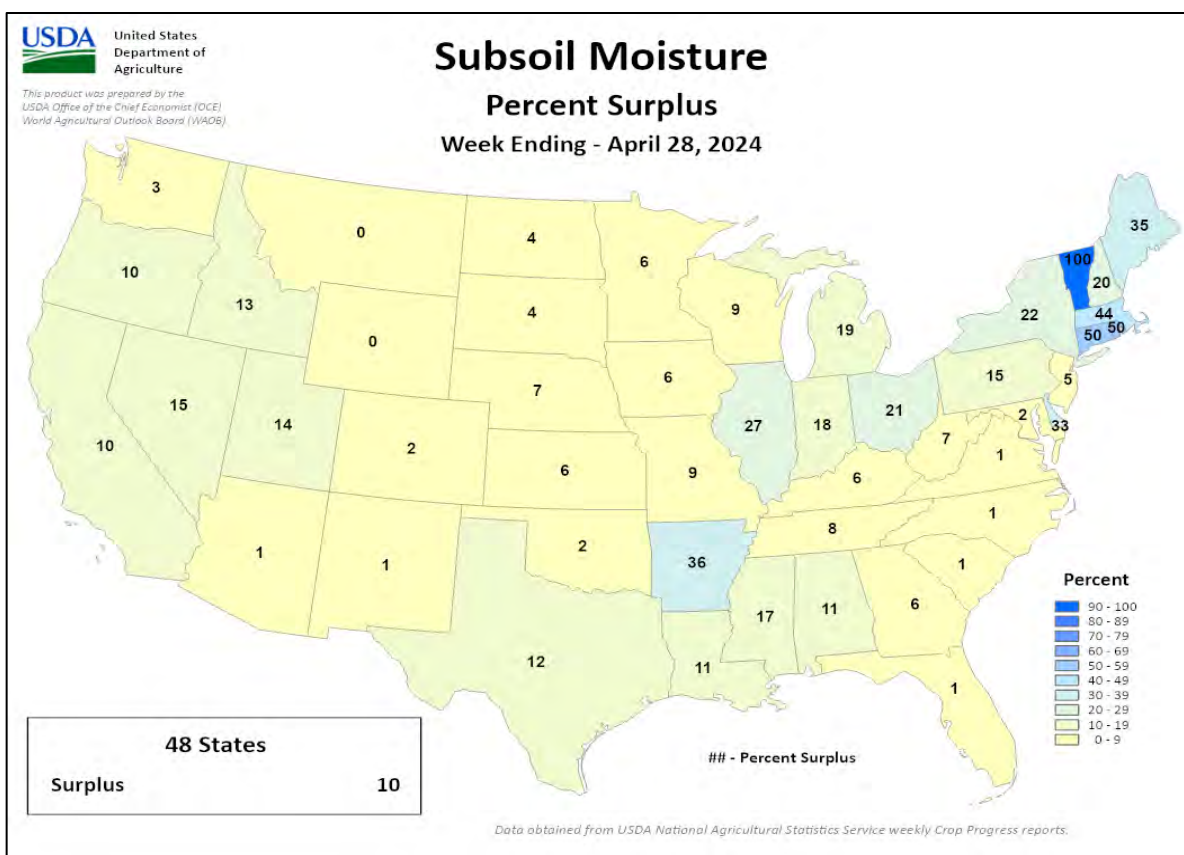
Weekly U.S. Progress and Condition Data provided by USDA/NASS

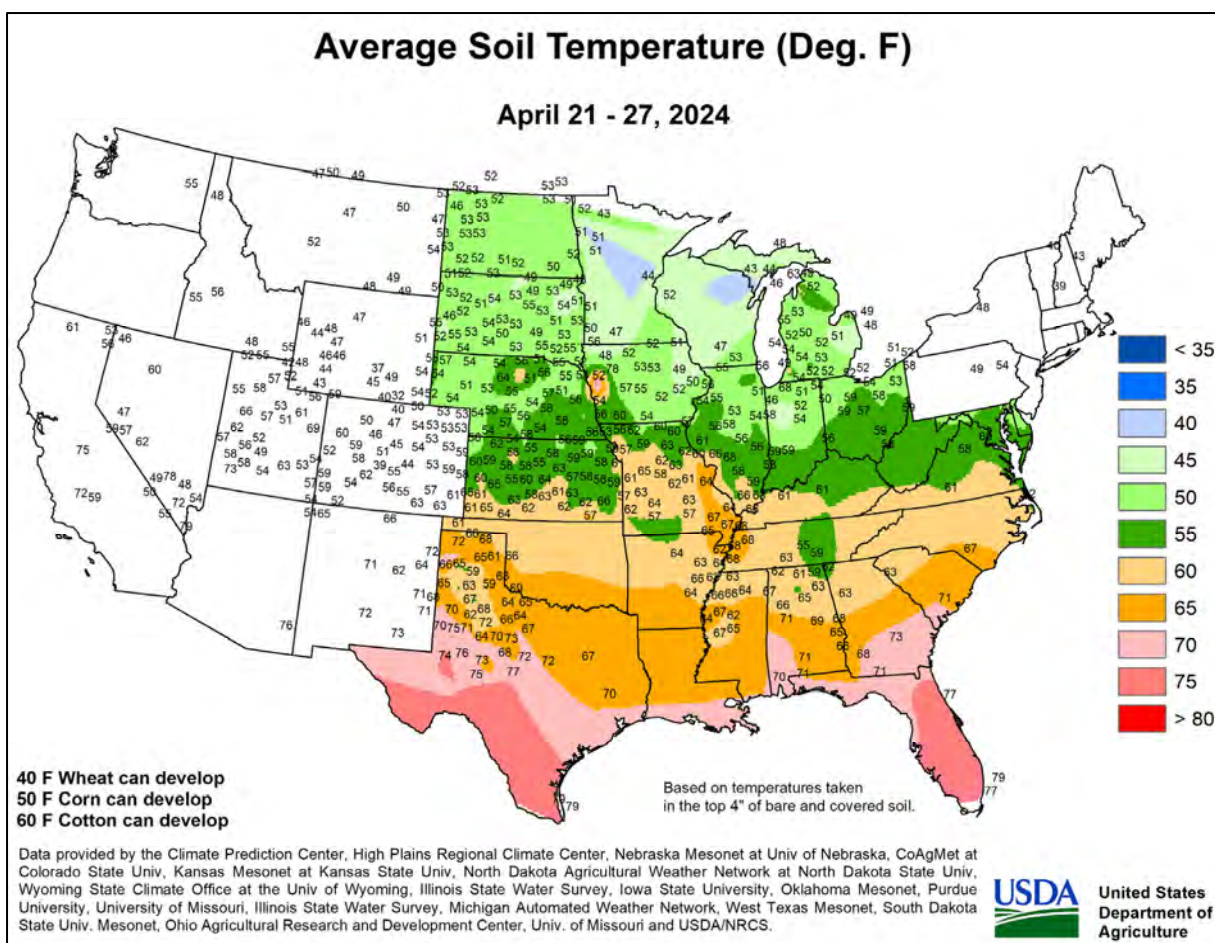
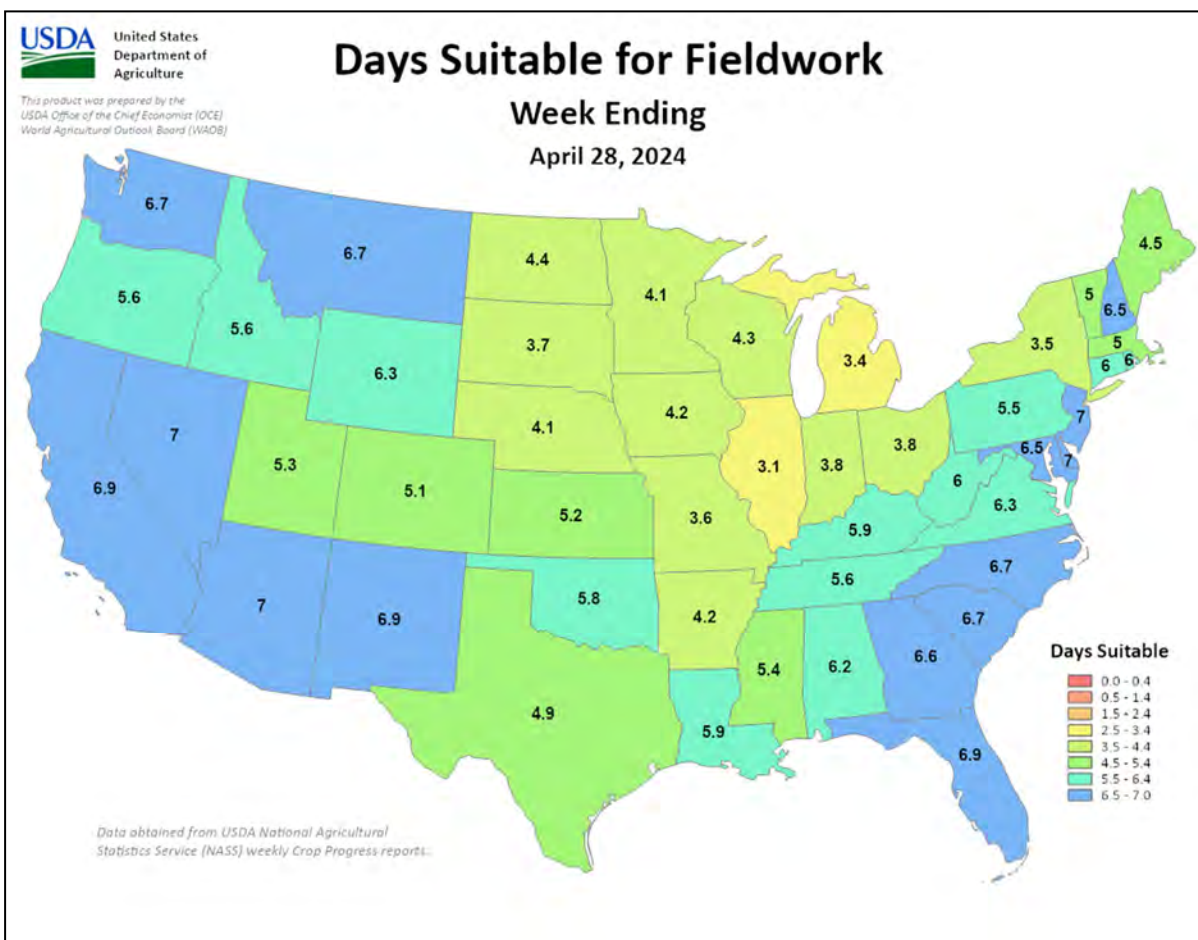


Crop Progress and Condition

Week Ending April 28, 2024

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





International Weather and Crop Summary

April 21-27, 2024

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

HIGHLIGHTS

EUROPE: An untimely hard freeze impacted reproductive winter crops across western, central, and northeastern Europe, while rain eased dryness concerns in the Balkans.

WESTERN FSU: Continued cool and rainy weather in the west stood in sharp contrast with persistent heat and dryness farther east.

EASTERN FSU: Sunny skies encouraged early spring grain sowing in the north and cotton sowing in the south, though some showers across eastern Uzbekistan and environs boosted soil moisture and irrigation reserves.

MIDDLE EAST: Sunny and hot weather expanded across the region, though rain lingered in southeastern croplands.

EAST ASIA: Heavy showers in southern China supported rice, while unseasonable warmth in winter crop areas promoted development.

SOUTHEAST ASIA: Showers prevailed in southern portions of the region, while extreme heat plagued northern locales.

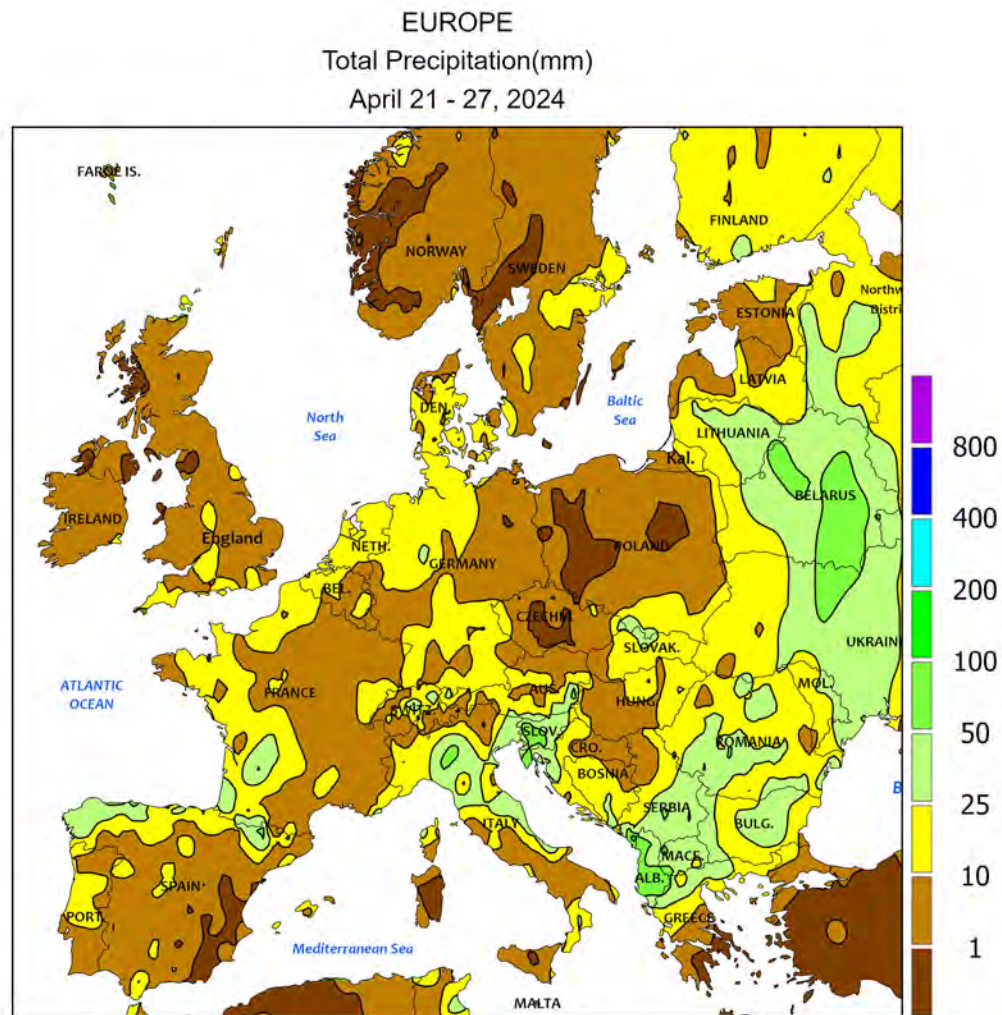
AUSTRALIA: Rain is needed in the south and west to promote winter crop planting and germination.

ARGENTINA: Scattered showers provided additional moisture for winter grain development in eastern farming areas.

BRAZIL: Dry, sunny weather dominated large sections of central Brazil.

MEXICO: Local showers helped to condition fields for planting corn and other rain-fed summer crops.





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

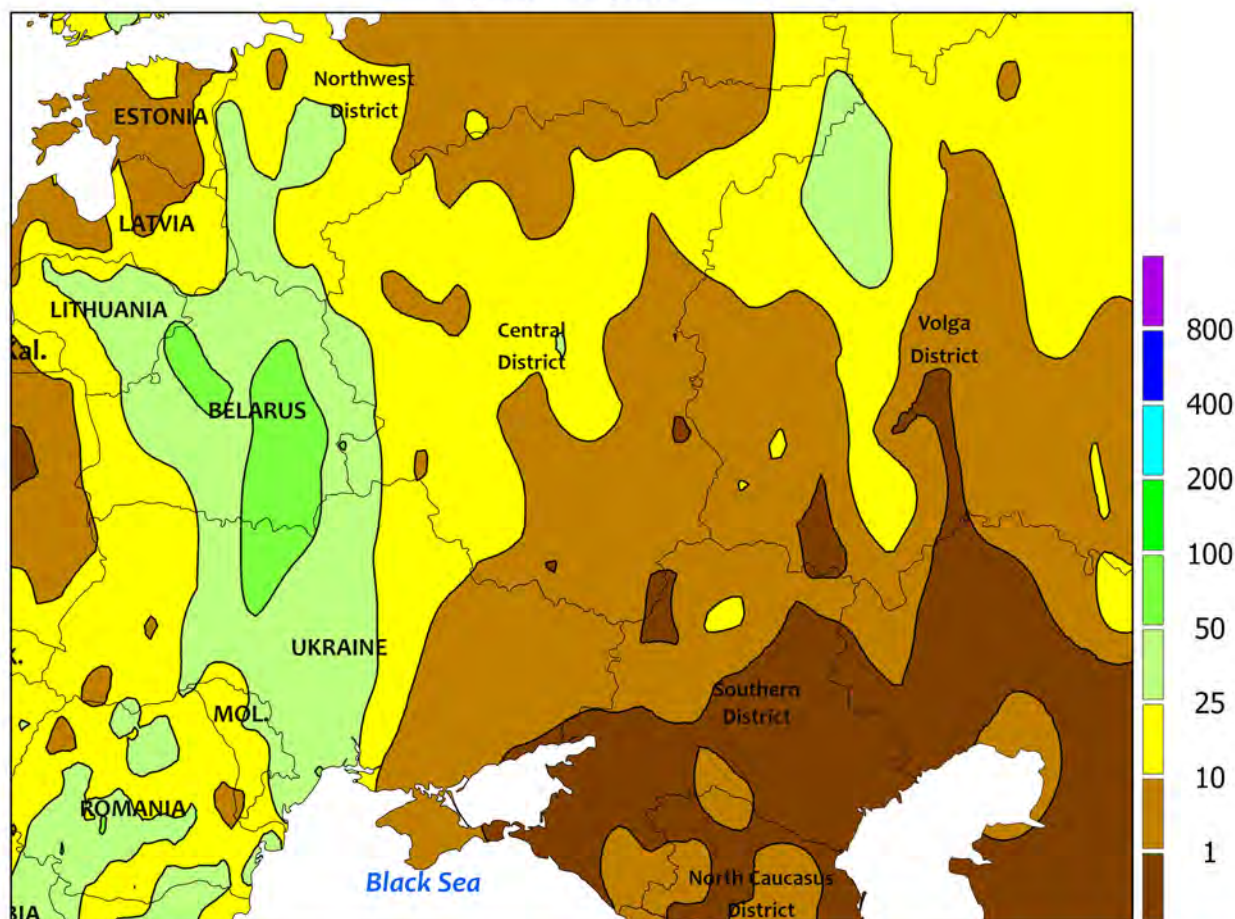


EUROPE

An untimely hard freeze overspread much of Europe, with additional showers in western and central growing areas transitioning to heavy rain in southeastern portions of the continent. Sharply colder weather (3-7°C below normal) overspread Europe, with hard freezes (-8 to -2°C) posing a threat to reproductive winter crops from central and eastern France eastward into Poland and environs. Similarly, the cold snap also impacted winter grains in northern portions of Spain and England; more information regarding the hard freeze can be found on page 29 of this week's *Bulletin*. Widespread albeit highly variable showers (2-55 mm) over much of western and central Europe maintained adequate to

locally abundant moisture supplies for winter grains and oilseeds. Conversely, dry weather in eastern Germany and Poland facilitated spring grain and summer crop planting, though moderate to heavy rain wrapping into the Baltic States (locally more than 40 mm) slowed fieldwork. Meanwhile, 10 to 55 mm of rainfall in the Balkans eased soil moisture deficits and improved prospects for reproductive winter crops, though the rain largely bypassed northern Serbia, eastern Croatia, and western Hungary. Similarly, moderate to heavy rain (locally more than 60 mm) in northern Italy boosted moisture supplies for reproductive winter grains and emerging summer crops.

WESTERN FSU
Total Precipitation(mm)
April 21 - 27, 2024



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

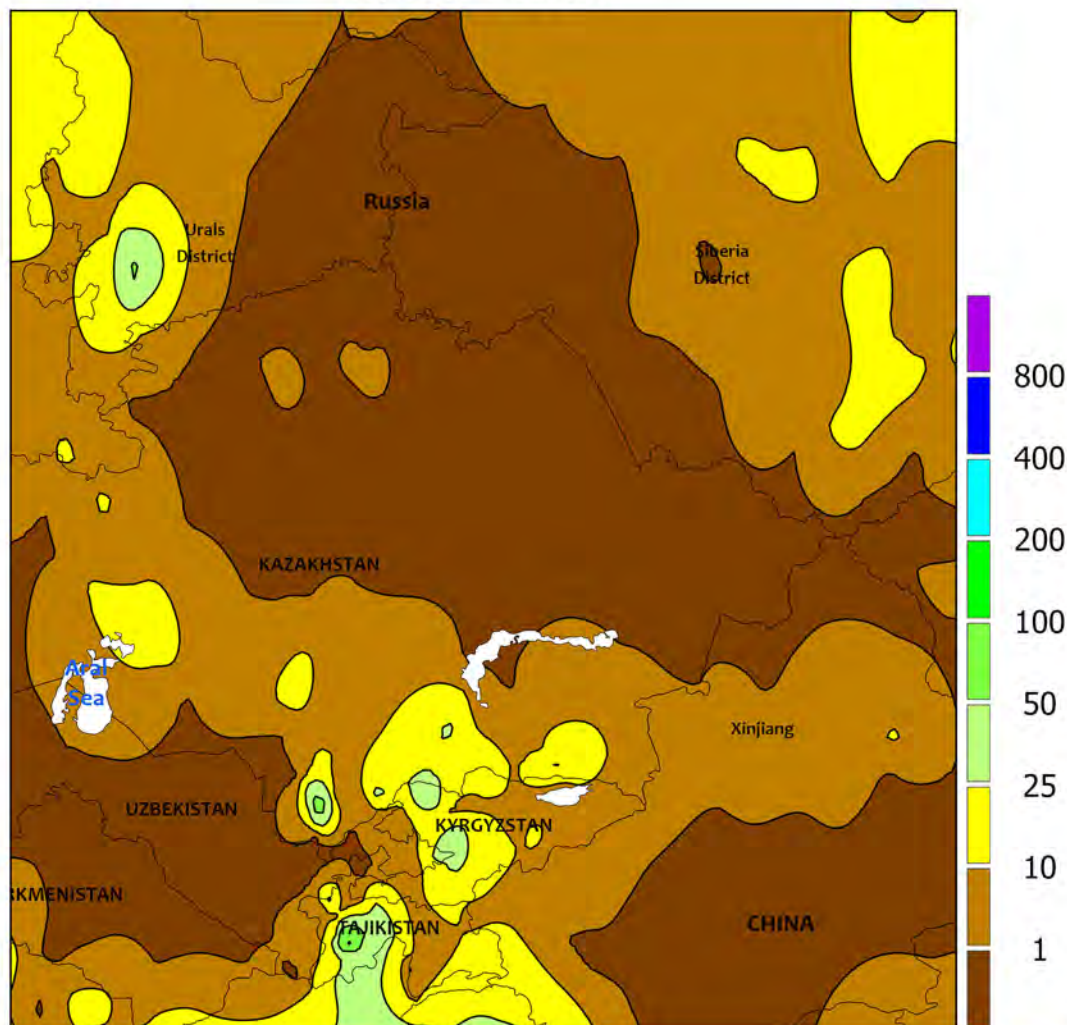


WESTERN FSU

Continued hot and dry weather across Russia and eastern Ukraine contrasted sharply with rainy and cooler conditions in western growing areas. Temperatures averaged 4 to 9°C above normal from southeastern Ukraine into Russia, accelerating winter crop growth but heightening soil moisture losses. In particular, daytime highs into the lower and middle 30s (degrees C) in southern Russia hastened winter wheat toward or into the heading stage of development up to two weeks ahead of average. Many of these same primary winter crop areas have received little to no rainfall since early February,

with this week's isolated showers (5 mm or less) doing little to ease concerns over developing drought. However, spring grain and summer crop sowing proceeded without delay. Similar to previous weeks, moderate to heavy rain (10-70 mm) across Moldova, central and western Ukraine, Belarus, and northwestern Russia boosted moisture reserves for emerging spring grains in the north and late-vegetative winter crops in the south but curtailed fieldwork. The cloudy, showery weather in the west was accompanied by near- to below-normal temperatures (up to 4°C below normal in the far west).

EASTERN FSU
Total Precipitation(mm)
April 21 - 27, 2024



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

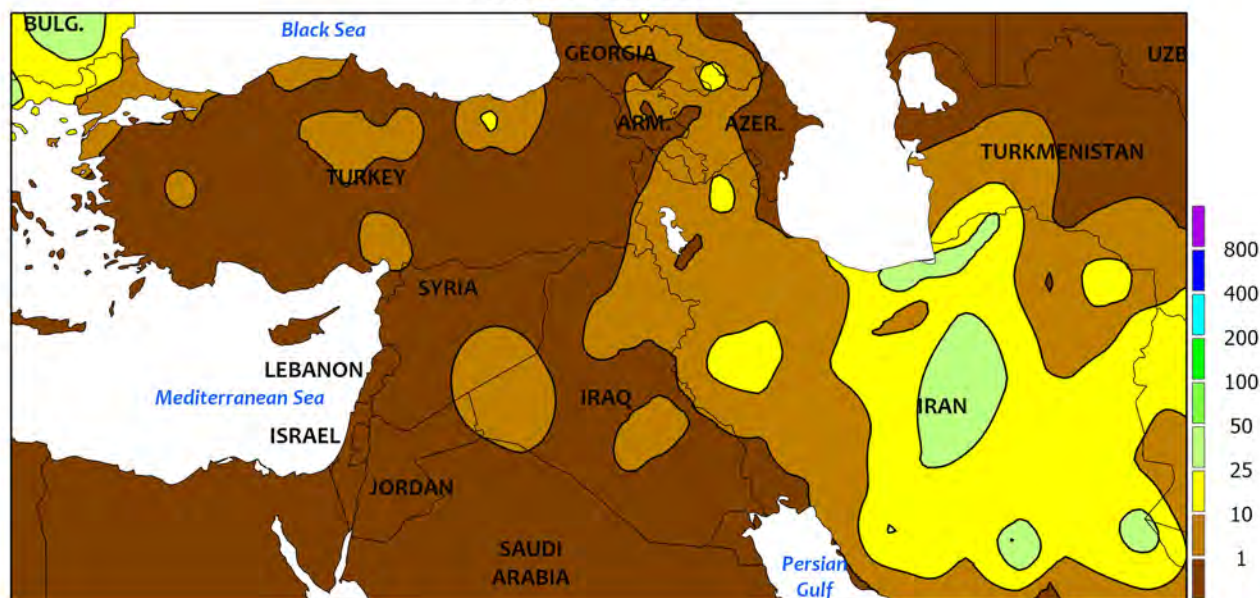


EASTERN FSU

Dry weather prevailed in the north, while showers in the eastern cotton belt gave way to drier, hotter conditions farther west. Mostly sunny skies across northern Kazakhstan and central Russia promoted early spring grain and summer crop sowing. Above-normal temperatures (up to 7°C above normal) in the western spring grain belt facilitated spring wheat and barley emergence, while chilly conditions (2-5°C below normal) lingered in eastern croplands. Farther south across the

Commonwealth of Independent States (CIS), dry and hot weather (up to 6°C above normal, highs reaching 35°C) in western portions of Uzbekistan and Turkmenistan accelerated cotton planting but hastened winter wheat through the reproductive stages of development. Conversely, additional rain and mountain snow (10-125 mm liquid equivalent) in eastern portions of the CIS boosted soil moisture for winter crops as well as irrigation supplies for cotton and other summer crops.

MIDDLE EAST
Total Precipitation(mm)
April 21 - 27, 2024



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

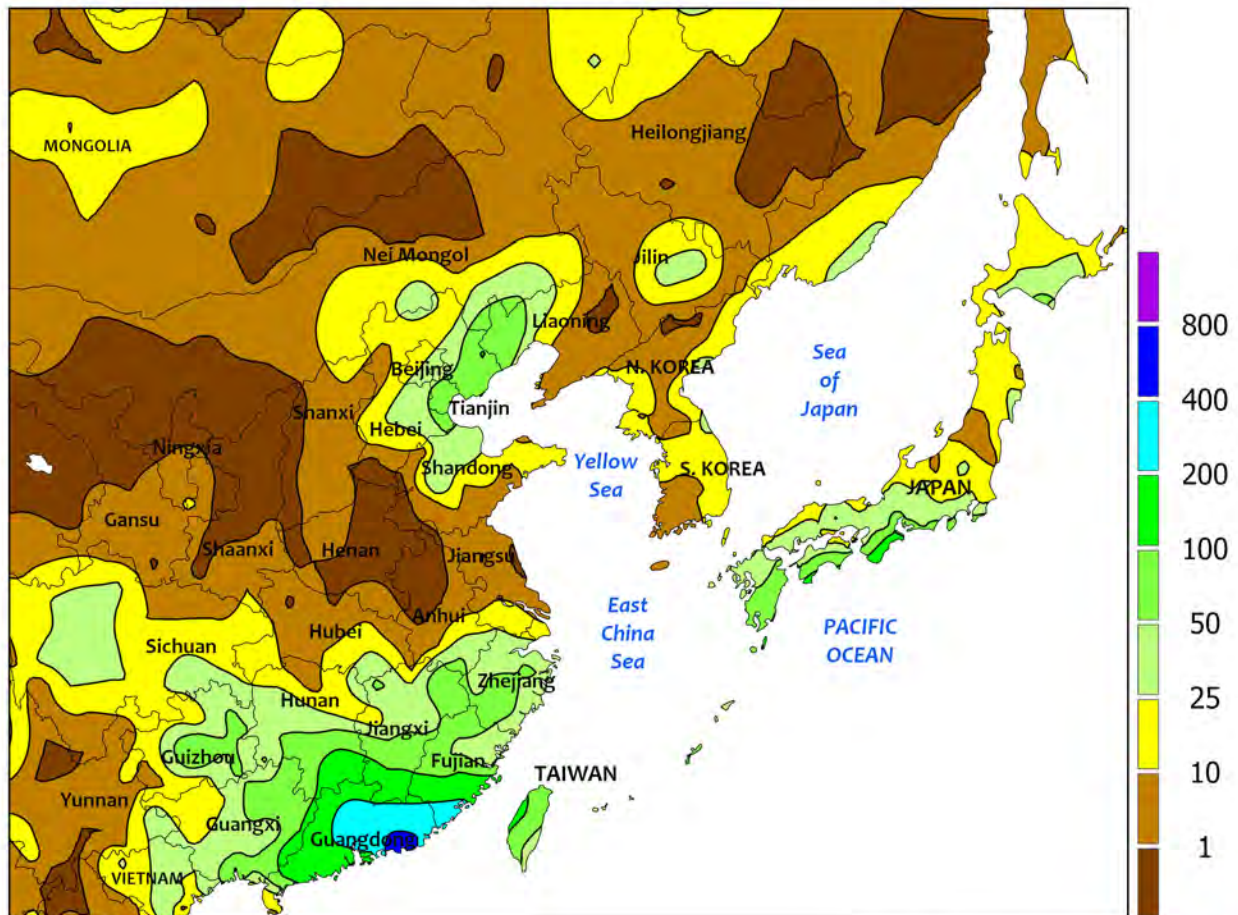


MIDDLE EAST

Lingering rain in southeastern Iran gave way to sunny skies and increasing heat across western and central growing areas. Early-week showers primarily associated with the previous week's slow-moving storm tallied 5 to 50 mm over much of central and southern Iran, further boosting moisture supplies for reproductive to filling winter grains. Conversely, dry and hot weather (3-7°C above normal) prevailed elsewhere, with daytime highs reaching into the

lower and middle 30s (degrees C) in Turkey and Syria. Even higher temperatures (36-41°C) were reported from the southeastern Mediterranean Coast into central and southern Iraq. The latest satellite-derived Vegetation Health Index (VHI) indicated good to excellent conditions across most of the region, but the recent turn to anomalous heat and dryness has likely trimmed yield prospects for reproductive (north) to filling (south) winter grains.

EASTERN ASIA
Total Precipitation(mm)
April 21 - 27, 2024



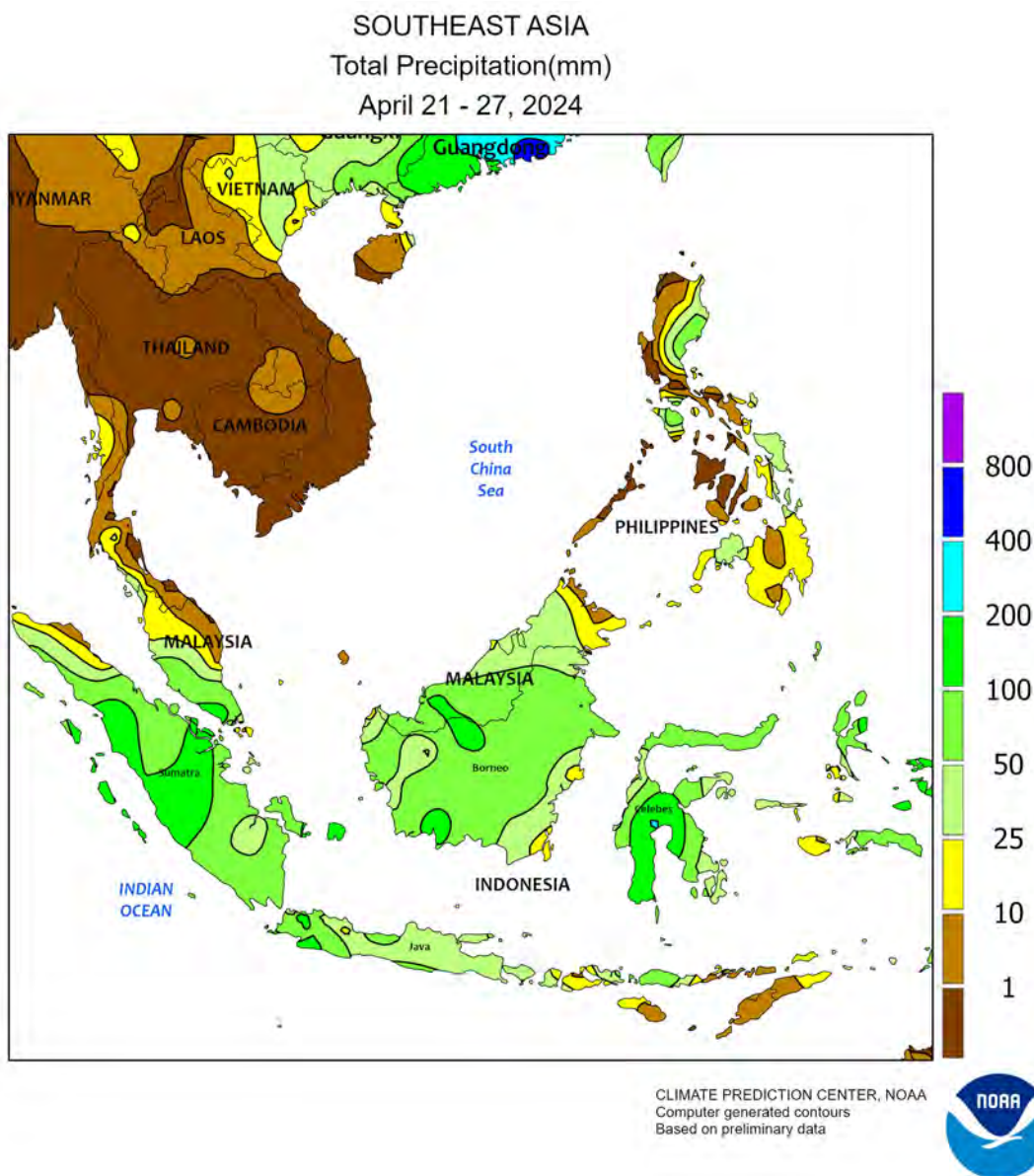
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



EASTERN ASIA

Daily showers in southern China further boosted moisture supplies for early-crop rice approaching reproduction. In some locales, rainfall totals topped 200 mm, with two-week totals nearing 400 mm. Rainfall became light (less than 25 mm) and more spotty into the Yangtze Valley where flowering rapeseed could benefit from additional moisture. Meanwhile, precipitation (10-50 mm) in wheat areas was limited to eastern- and northern-most portions of the North China Plain; spring rainfall has trended near normal, maintaining good soil

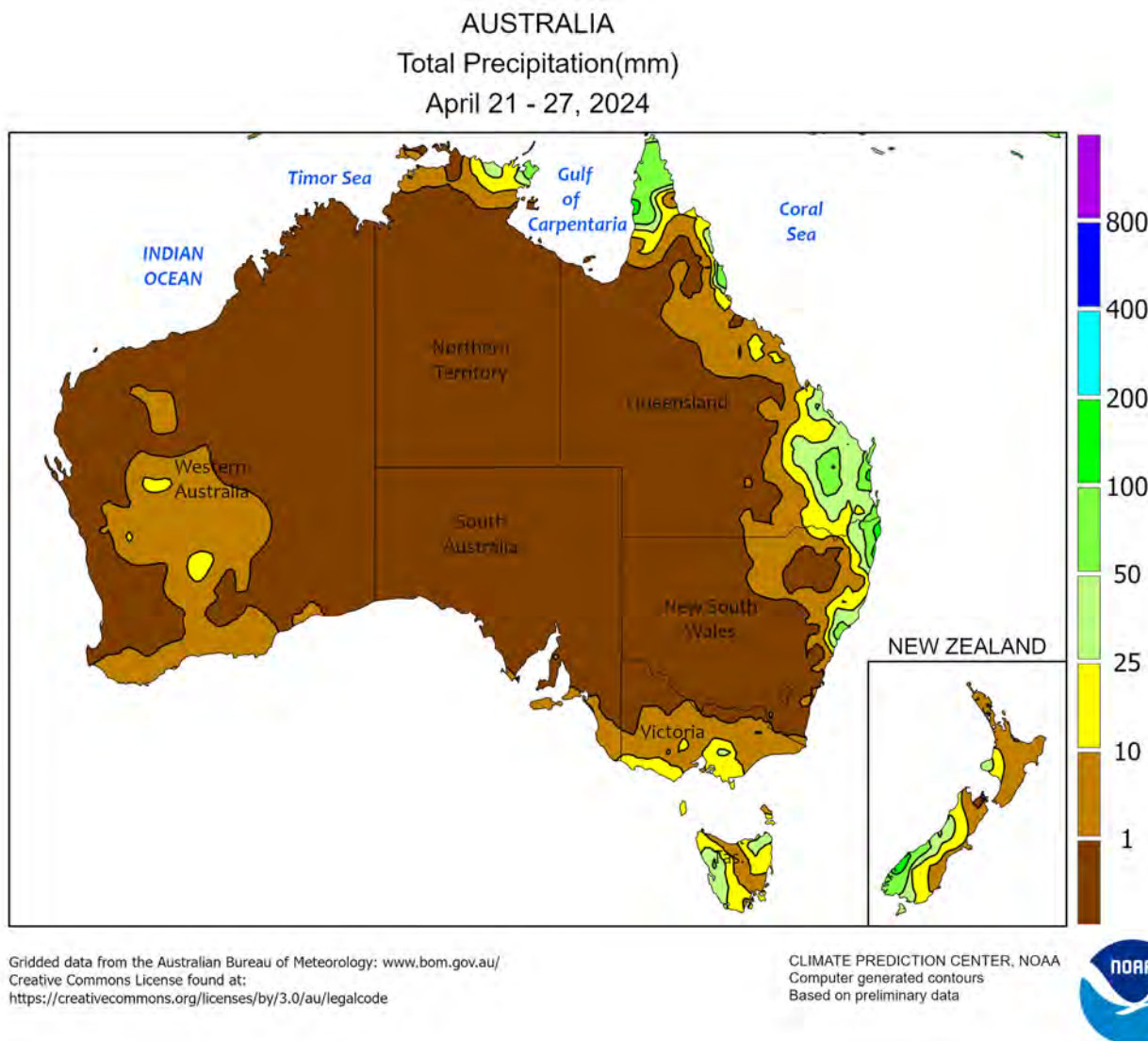
moisture for the crop now in reproductive stages of development. Furthermore, temperatures for the period across all winter crop areas were as much as 4°C above average, promoting crop development but increasing moisture requirements. Elsewhere, cotton sowing proceeded in western China, while corn and soybean planting activities expanded in the northeast under unseasonably mild conditions. Additionally, warmer-than-normal weather on the Korean peninsula and in Japan supported rice sowing.



SOUTHEAST ASIA

Widespread showers continued across Indonesia and Malaysia, with most locales receiving 25 to 100 mm. The moisture continued to benefit seasonal rice as well as ease lingering moisture deficits for oil palm following poor rainfall in February and March. The Philippines experienced some improvement in precipitation, although amounts over 25 mm were spotty; year-to-date totals in key growing areas in the north continued to be half of normal,

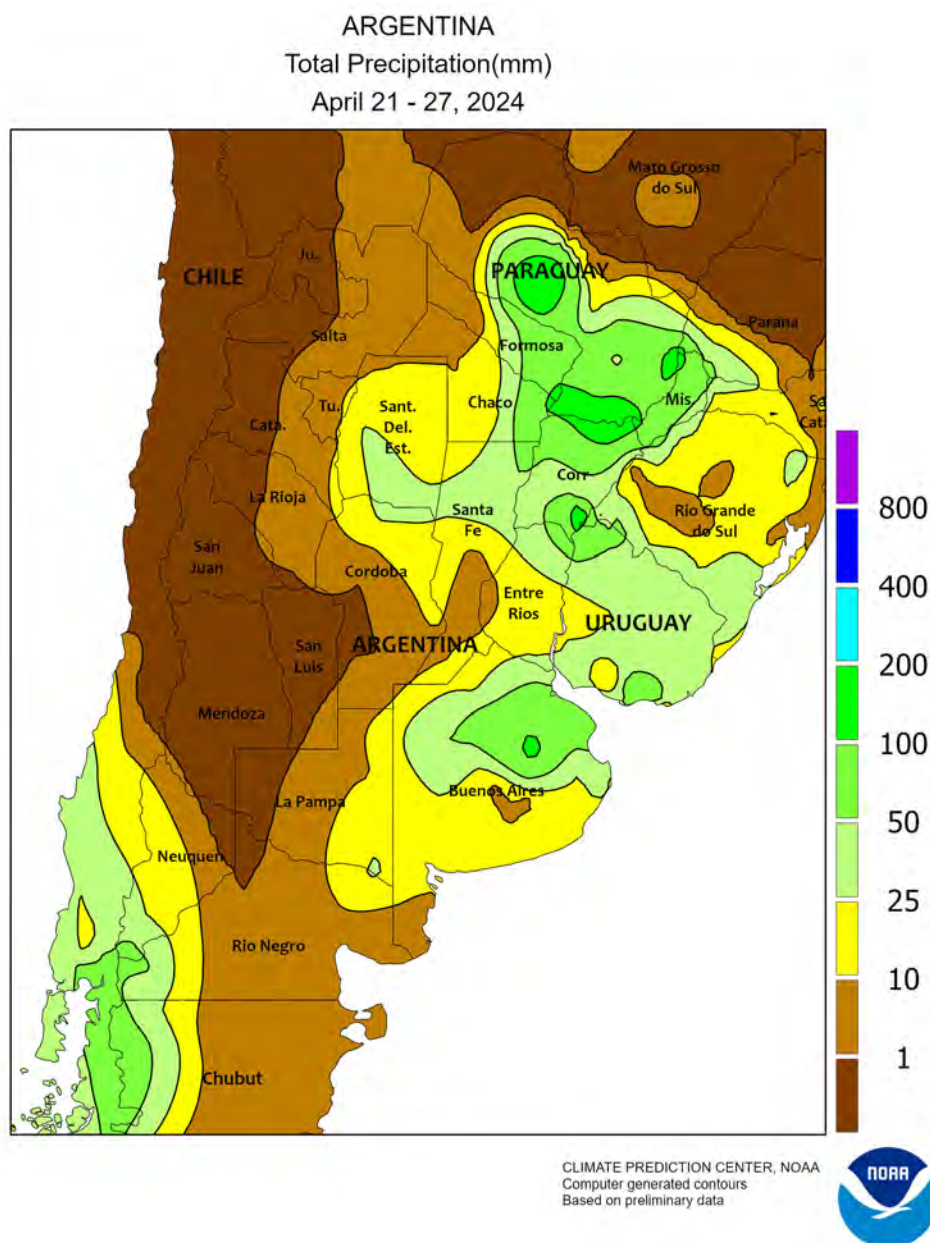
lowering seasonal rice and corn yield prospects. Meanwhile, blistering heat (up to 44°C) plagued Thailand and some of the surrounding areas. While seasonal heat is common prior to the onset of the southwest monsoon, daytime temperatures were nearly 6°C above average. The excessive heat caused significant stress and possible yield loss to seasonal rice and other crops while also taxing irrigation supplies with evaporative losses.



AUSTRALIA

After a wet start (10-50 mm, locally more) to the week, drier weather overspread southern Queensland, allowing cotton and sorghum harvesting and winter wheat planting to steadily regain momentum. Farther south, mostly dry weather prevailed across New South Wales and northern Victoria, enabling summer crop harvesting and early winter crop sowing to proceed without delay. A combination of sunny skies, mild temperatures, and average to above-average topsoil moisture favored germination of recently sown winter grains and oilseeds throughout eastern Australia. Elsewhere in the wheat

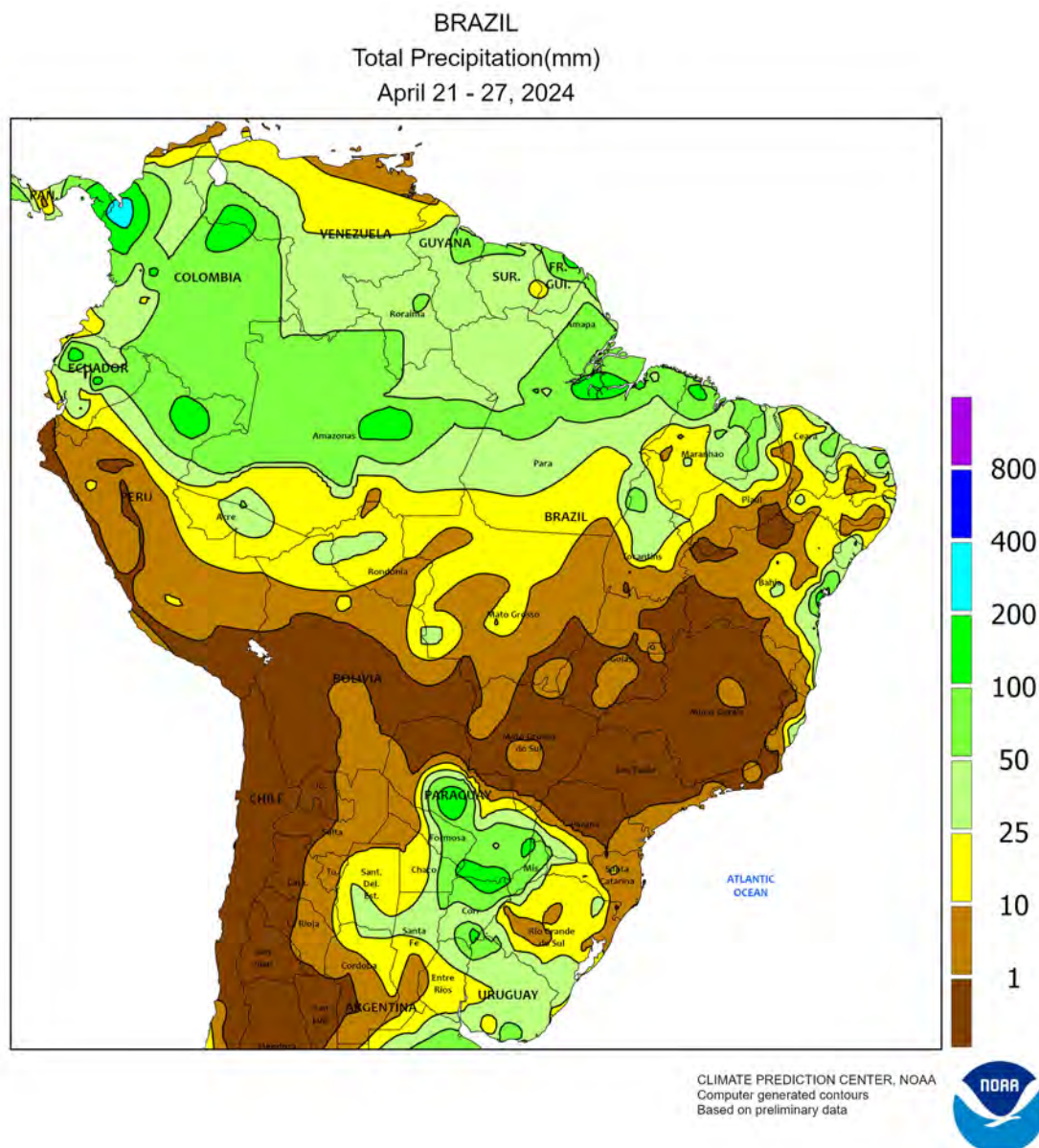
belt, dry weather persisted in South Australia and Western Australia. Farmers have reportedly been dry sowing winter crops, but some farmers are likely waiting for rain to arrive before planting. Regardless, more rain is needed in these states to help fill the soil moisture profile and to spur winter crop germination and emergence. Temperatures averaged 2 to 4°C below normal in South Australia and near to somewhat below normal (up to 2°C below normal) elsewhere in the wheat belt, with maximum temperatures generally in the lower to middle 20s (degrees C).



ARGENTINA

Lingering showers slowed summer crop harvesting but provided additional moisture for winter crop establishment. Moderate to heavy rainfall (25-100 mm, locally higher) continued over northern Buenos Aires and in northern locations in and around Corrientes and southern Paraguay. Lesser amounts were recorded elsewhere, particularly in western farming areas (notably Córdoba and Salta) that typically experience gradually drier conditions this time of year as the rainy season winds down. Weekly average temperatures ranged from 1 to 2°C

below normal in southern farming areas to as much as 5°C above normal in the far north, with nighttime lows dropping near freezing in southern-most production areas in La Pampa and Buenos Aires. Daytime highs reaching the middle and upper 30s (degrees C) hastened maturation and drydown of summer crops – including cotton – in northern farming areas. According to the government of Argentina, corn and soybeans were both 23 percent harvested, respectively, as of April 25, and cotton was 14 percent harvested.

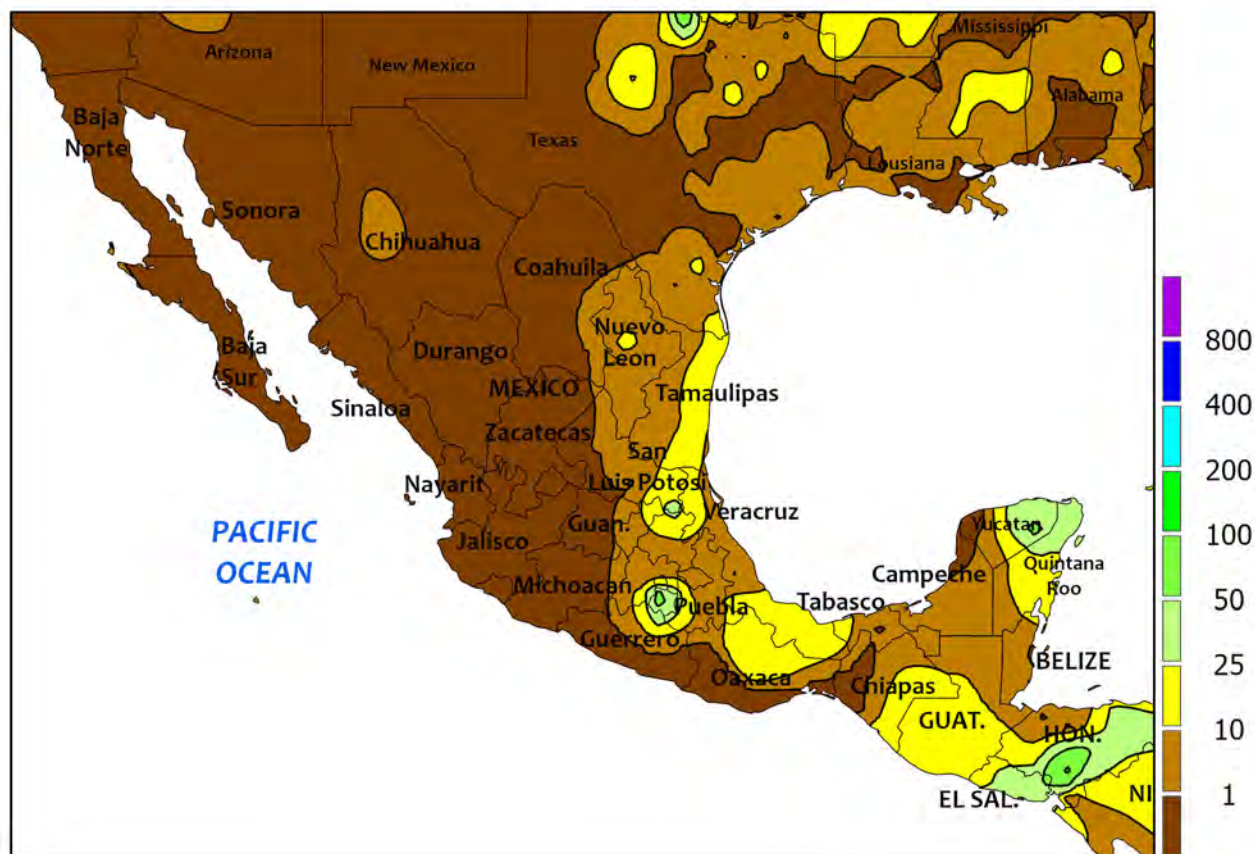


BRAZIL

Warm, sunny weather promoted rapid development of corn and cotton in key production areas of central Brazil. No rain fell from Mato Grosso do Sul and central Paraná northward into Bahia, including most of Goiás and neighboring sections of Mato Grosso, with highest temperatures reaching the middle 30s (degrees C) daily. In contrast, variable showers (10-50

mm) benefited immature crops in the far northern (Maranhão and environs) and southern (Rio Grande do Sul and southern Paraná) production areas. According to the government of Paraná, over 80 percent of the second corn crop had flowered as of April 22, while harvesting of both first-crop corn (97 percent) and soybeans (99 percent) was nearing completion.

MEXICO
Total Precipitation(mm)
April 21 - 27, 2024



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



MEXICO

Scattered showers provided timely moisture for germination of rain-fed summer crops in eastern farming areas. Rain was widely scattered and light, however, with few locations recording more than 10 mm, and heavier, more widespread rain will be needed soon. This is particularly true for eastern summer crop areas on the southern plateau (Jalisco to Puebla)

and along the Gulf Coast, which have entered the summer growing season in varying degrees of drought. Warm, sunny weather prevailed elsewhere, with high temperatures reaching 40°C in some of the warmer locations in the north and southeast, prompting rapid maturation of winter grains and other winter-grown crops.

Untimely European Hard Freeze Follows Record-Shattering Warmth

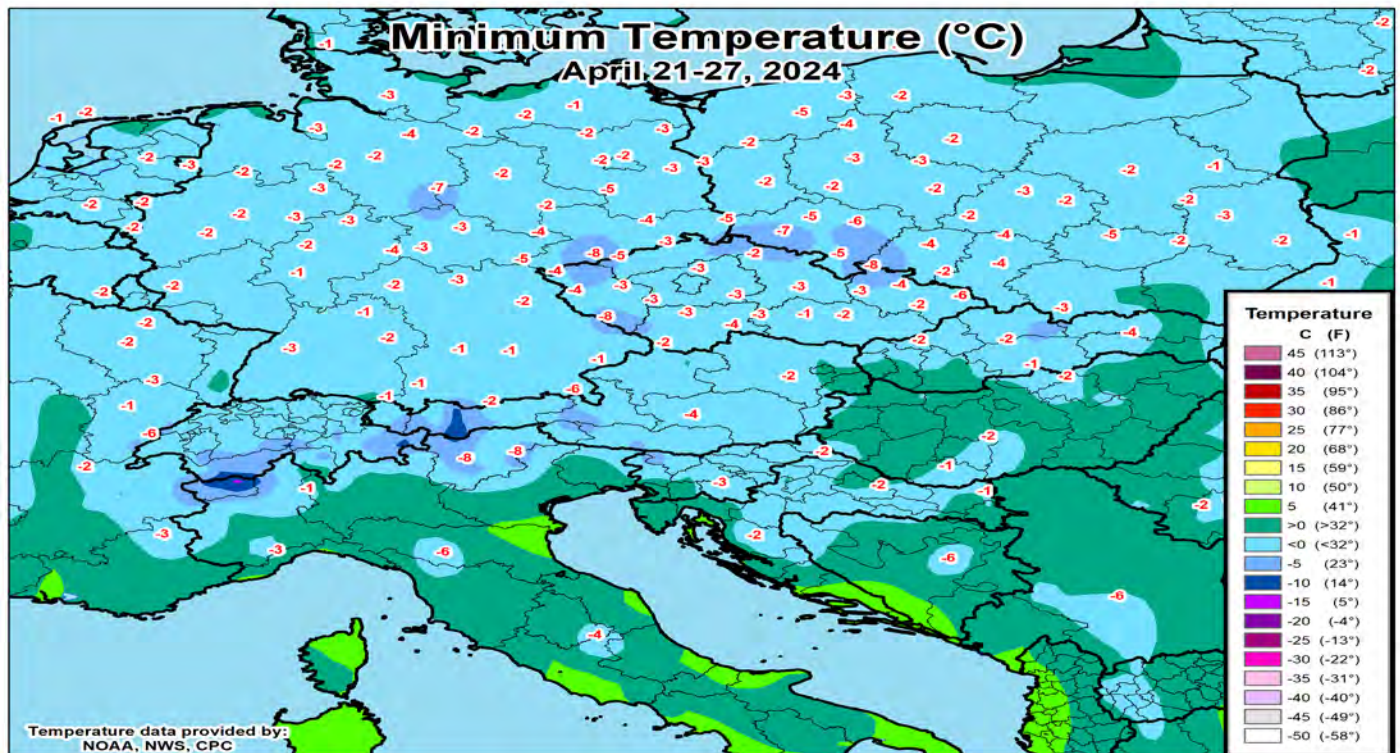


Figure 1: Minimum temperatures reported by first-order weather stations for the period April 21-27, 2024. Values at or below -1°C are plotted. Temperatures reached as low as -8°C in eastern Germany, western Poland, and the western Czech Republic.

Synopsis: Following record-shattering warmth which hastened winter crops into reproduction two to four weeks ahead of average, an ensuing and very untimely hard freeze impacted many primary growing areas.

An untimely hard freeze in Europe followed persistent, at times record-shattering warmth, adversely impacting winter grains and oilseeds. As seen in Figure 1, minimum temperatures during the monitoring period dropped below -2°C across central and northeastern growing areas, with numerous readings at or below -5°C across portions of Germany, Poland, and the Czech Republic. Hard freezes (-2°C or lower) were also noted in parts of Spain, France, and England.

The cold snap was not just widespread but long lasting. The first round of spotty freezes arrived on or about April 19 but intensified and expanded on the 21st before finally relenting on April 28. The freeze coincided with winter grains and oilseeds in the reproductive stages of development, with flowering rapeseed the most susceptible to deleterious impacts. In particular, Poland's rapeseed areas were subjected to six consecutive days with minimum temperatures at or below -2°C , with a low of -7°C notched on April 23.

The effects of the sharp cold snap were heightened by the record-shattering warmth which prevailed over Europe for much of the winter and early spring. Average temperatures from February 1 through April 21 were by far the warmest on record in nearly all of the continent's primary growing areas. Anomalies were most pronounced across the eastern half of the region, where numerous daily record highs were set and

temperatures during the aforementioned timeframe averaged 3 to 5°C above normal (see Figure 2). As a result, winter grains and oilseeds reached the freeze-sensitive flowering stage two to four weeks ahead of normal.

The extent of the freeze's impacts will not be known for weeks or months. However, there was likely burnback or winterkill to rapeseed and — to a lesser extent — wheat and barley.

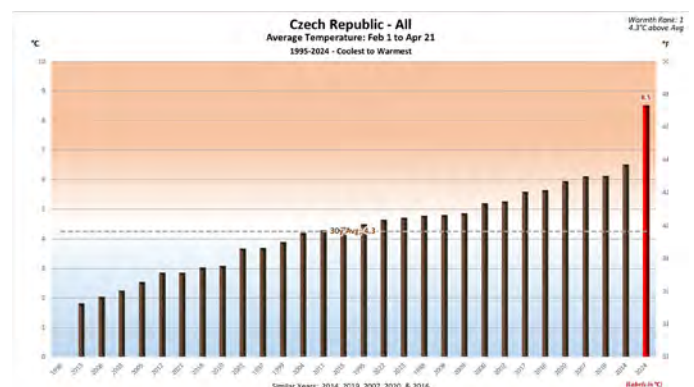
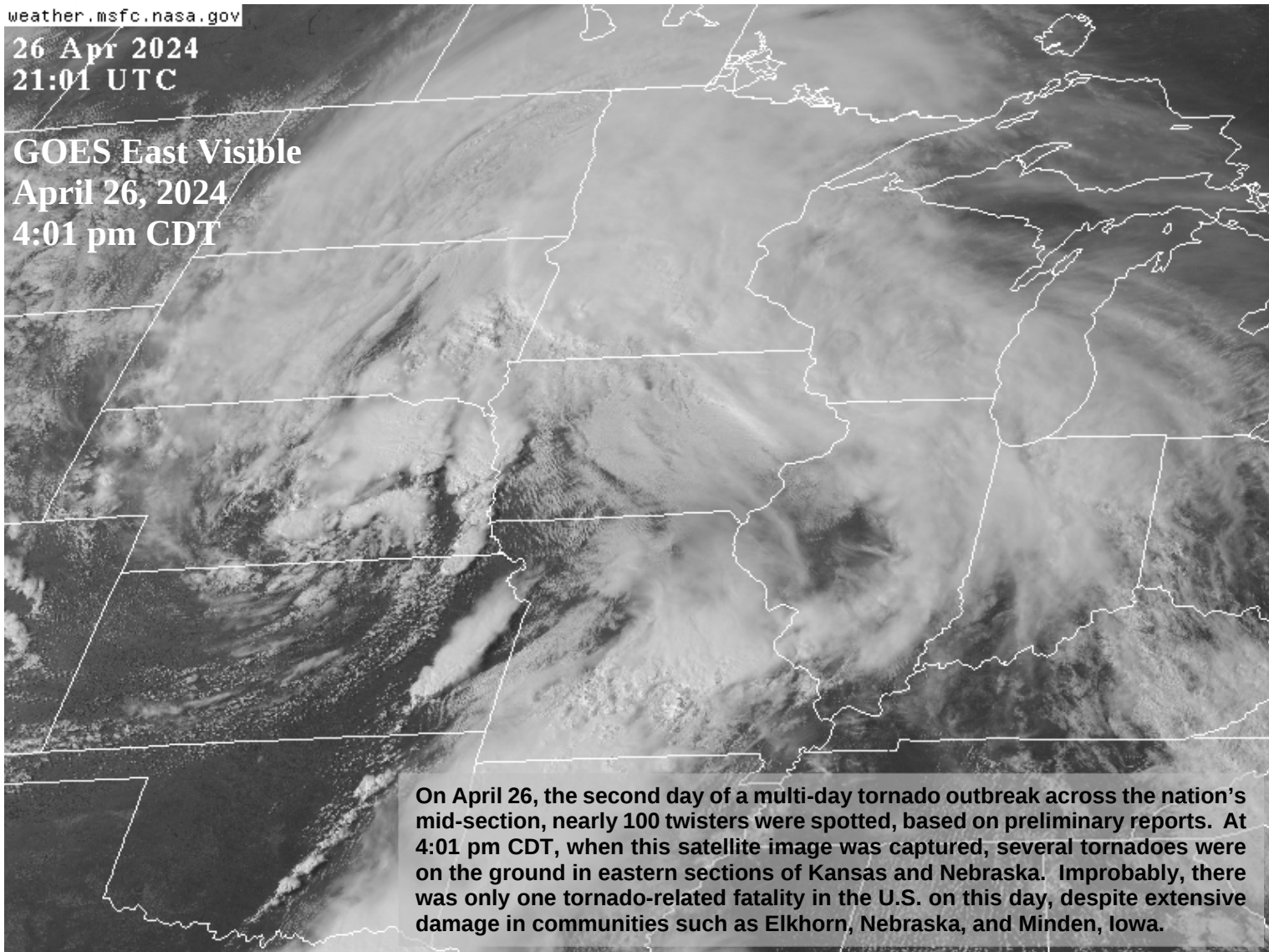


Figure 2: Average temperature ($^{\circ}\text{C}$) for the period February 1 – April 21 from 1995 to 2024, for the Czech Republic, from coolest to warmest. This chart is representative of nearly all European croplands.

26 Apr 2024
21:01 UTC

GOES East Visible
April 26, 2024
4:01 pm CDT



On April 26, the second day of a multi-day tornado outbreak across the nation's mid-section, nearly 100 twisters were spotted, based on preliminary reports. At 4:01 pm CDT, when this satellite image was captured, several tornadoes were on the ground in eastern sections of Kansas and Nebraska. Improbably, there was only one tornado-related fatality in the U.S. on this day, despite extensive damage in communities such as Elkhorn, Nebraska, and Minden, Iowa.

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.

Correspondence to the meteorologists should be directed to:
***Weekly Weather and Crop Bulletin*, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 4443B, Washington, DC 20250.**

Internet URL: www.usda.gov/oce/weather-drought-monitor

E-mail address: brad.rippey@usda.gov

An archive of past *Weekly Weather and Crop Bulletins* can be found at <https://usda.library.cornell.edu/>, keyword search "*Weekly Weather and Crop Bulletin*".

U.S. DEPARTMENT OF AGRICULTURE

World Agricultural Outlook Board

Managing Editor..... **Brad Rippey** (202) 720-2397
Production Editor..... **Brian Morris** (202) 720-3062
International Editor..... **Mark Brusberg** (202) 720-2012
Agricultural Weather Analysts..... **Harlan Shannon**
and **Eric Luebehusen**

National Agricultural Statistics Service

Agricultural Statistician and State Summaries Editor.....
Irwin Anolik (202) 720-7621

U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

National Weather Service/Climate Prediction Center

Meteorologists.....**Brad Pugh, Adam Allgood, and Rich Tinker**

USDA is an equal opportunity provider and employer. To file a complaint of discrimination, write: USDA, Office of the Assistant Secretary for Civil Rights, Office of Adjudication, 1400 Independence Ave., SW, Washington, DC 20250-9410 or call (866) 632-9992 (Toll-Free Customer Service), (800) 877-8339 (Local or Federal relay), (866) 377-8642 (Relay voice users).