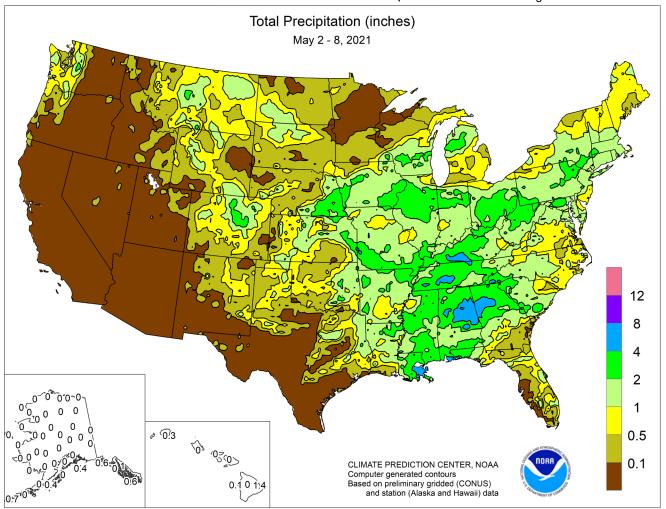
WEEKLY MATHER AND CROP BULLETIN

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



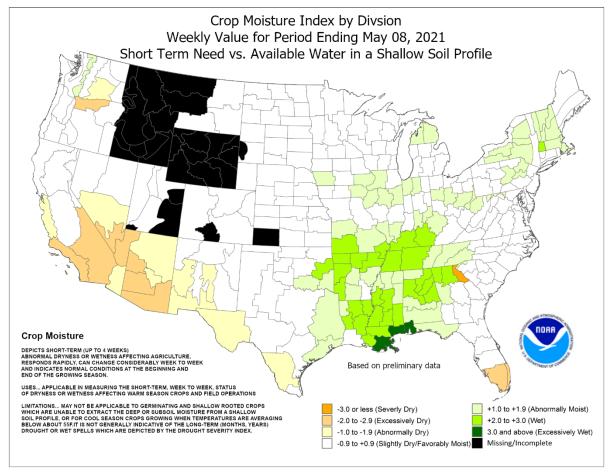
HIGHLIGHTS May 2 – 8, 2021

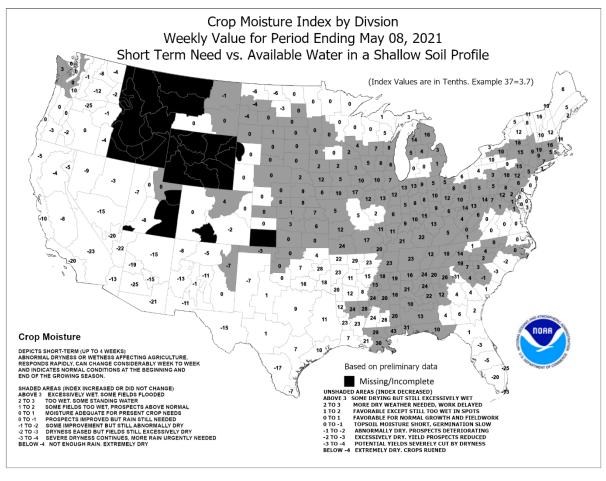
Highlights provided by USDA/WAOB

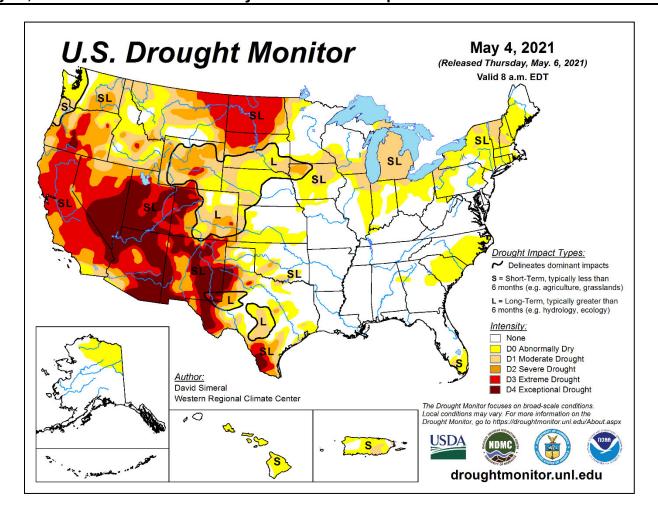
ctive weather, primarily across the eastern half of the country, resulted in widespread rain. Precipitation was heaviest from the central and eastern Corn Belt southward to the central Gulf Coast; weekly totals of 2 to 4 inches or more were common throughout this region. Especially in areas where soils were already wet, the latest round of rain caused lowland flooding and fieldwork delays. A broader area surrounding the core region of heavy rain—including the Atlantic Seaboard, the Rockies, and the Plains—noted generally light

(Continued on page 5)

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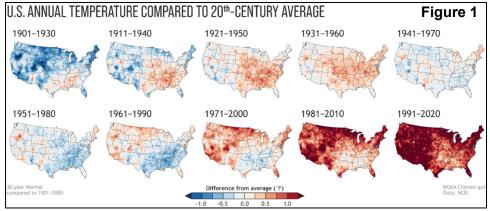


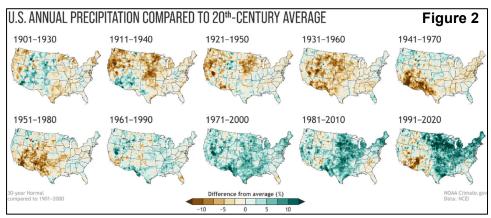


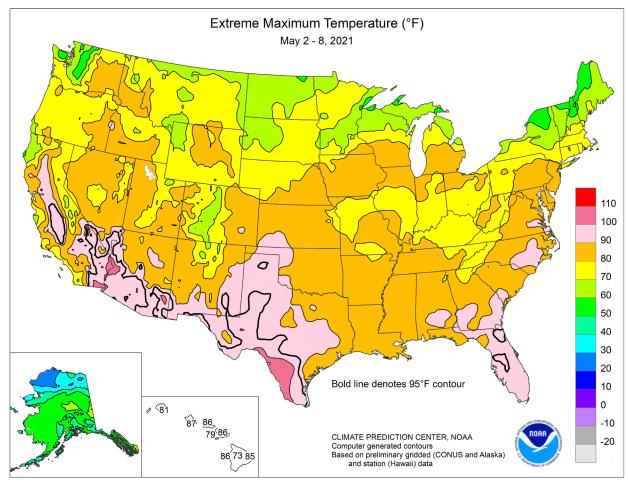


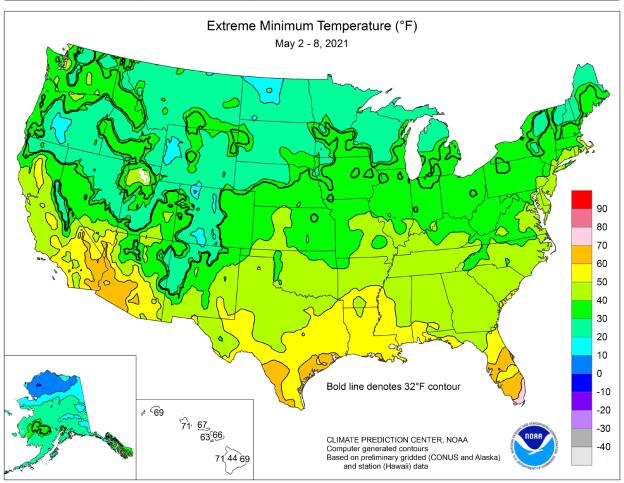
On May 4, 2021, a new set of climate normals was issued by NOAA's National Centers for Environmental Information. The new normals, valid for 1991-2020, replace the 1981-2010 values that have been used for the last decade.

As the cooler 1980s were dropped and the warmer 2010s were added, the effect is apparent (figure 1). In addition, the 1991-2020 normals reflect a climate regime that has become drier in the Southwest and generally wetter east east of the Rockies (figure 2).









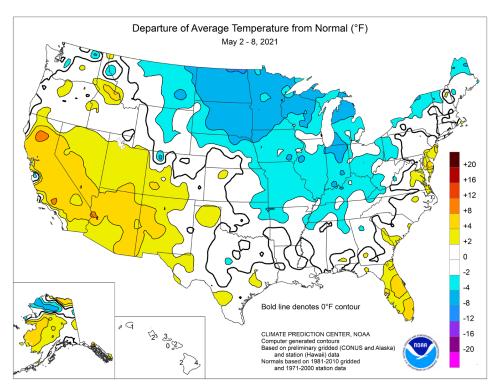
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precipitation. In contrast, mostly dry weather prevailed west of the Rockies, aside from a few showers in the Pacific **Northwest.** Combined with warmth. dry, sunny weather from California into the Southwest has prematurely eliminated most of the 2020-21 snowpack. Meanwhile, portions of the northern Plains received muchneeded precipitation (rain and wet snow). Weekly totals topped an inch at several locations in Montana, southwestern North Dakota, and northern South Dakota. However, mostly dry weather persisted across the northeastern one-half of North Dakota, extending eastward to Lake Superior. Elsewhere, generally nearor below-normal temperatures east of the Rockies contrasted with very warm weather from California into the Rio Grande Valley. Southern Florida was an exception, remaining warm.

Weekly temperatures averaged more than 5°F below normal in scattered locations from the **northern Plains into the Ohio Valley**, but were at least 5°F above normal across portions of **peninsular Florida** and from **California into the Southwest**.

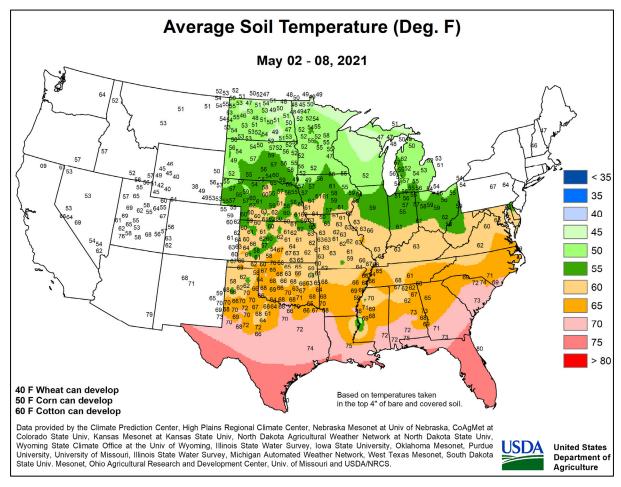
Early-week temperatures topped 90°F across the southern High Plains, with Borger, TX, posting a daily-record high of 96°F on May 2. Scattered daily-record highs were also reported in other areas, including California, Florida, and southern Texas. Daily-record highs included 107°F (on May 3) in Laredo, TX, and 96°F (on May 5) in Lakeland, FL. During the second half of the week, warmth began to expand eastward across the West. Daily-record highs reached 92°F (on May 6) in Lewiston, ID, and 88°F (on May 7) in Greybull, WY. In contrast, unusually cool air settled across the northern Plains and upper Midwest, resulting in multiple freezes that continued to slow winter wheat development and limit emergence of spring-sown crops. In the Northwest, late-week freezes were reported at some interior locations. At times, scattered frost extended as far south as the central Plains and the Corn Belt. Daily-record lows were set in several locations, including Jamestown, ND (22°F on May 4), and Eau Claire, WI (27°F on May 8). Elsewhere on May 8, daily record-tying lows of 32°F were noted in Cedar Rapids, IA, and Moline, IL. From May 3-11, Grand Forks, ND, reported nine consecutive hard freezes, with low temperatures of 28°F or below. The only other instance of at least nine consecutive hard freezes in Grand Forks during May was May 1-9, 1954. In addition, Grand Forks has reported at least nine hard freezes during all of May in only five other years: 1907, with thirteen hard freezes; 2002, with eleven; 1929, with ten; 1945, with nine; and 1954, with nine.

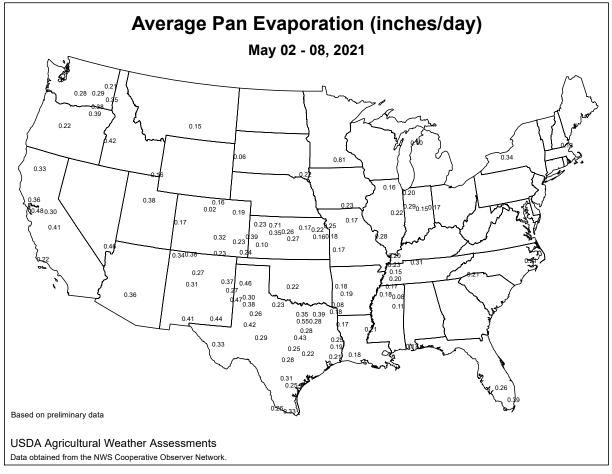
Some of the most impressive **Southern** rainfall occurred on May 4, when daily-record totals topped 3 inches in **Alabama**

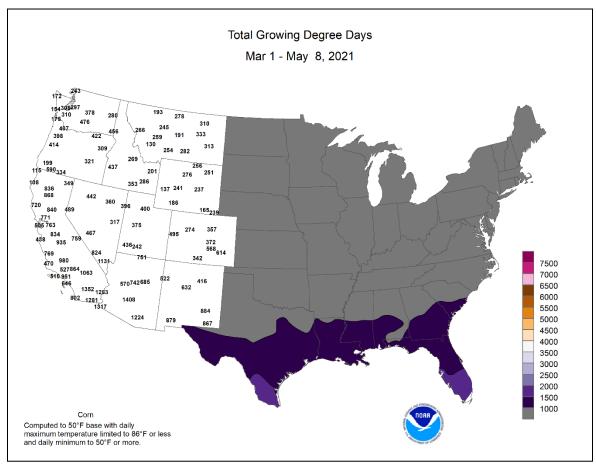


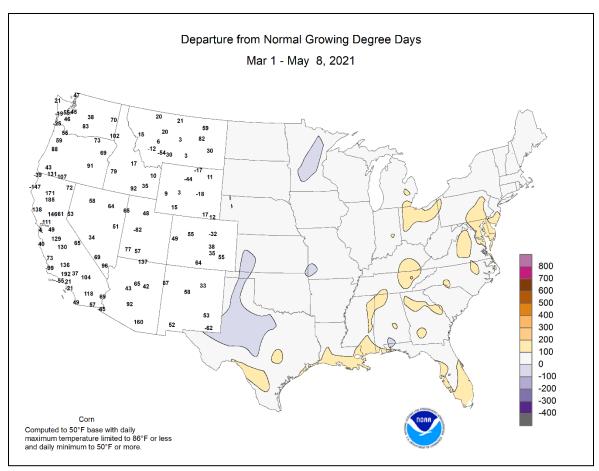
locations such as Birmingham (3.59 inches) and Huntsville (3.25 inches). On the same date, daily-record totals exceeded 2 inches in Bowling Green, KY (3.11 inches); Anniston, AL (2.97 inches); and Greenville-Spartanburg, SC (2.16 inches). In addition, there were numerous reports of severe weather high winds, large hail, and isolated tornadoes—across the **Southeast** from May 2-4. Periodic heavy showers extended into other regions, including the East and Midwest. Daily-record rainfall totaled 1.41 inches (on May 3) in Columbia, SC, and 1.22 inches (on May 2) in **Houghton Lake, MI**. As the week progressed, cold air became more deeply entrenched across the North. In Caribou, ME, precipitation on May 5-6 totaled 0.89 inch, with a trace of snow falling on the latter date. Sioux Falls, SD, recorded a trace of snow on May 8, while Ennis, MT, received 2.3 inches in a 24-hour period on May 7-8. During the same period, Ennis collected precipitation totaling 1.60 inches—the wettest 24-hour period during May in that location since 1944. Elsewhere in Montana, Glasgow netted a dailyrecord sum of 0.74 inch on May 8, representing the wettest day in that location since September 7, 2020. From January 1 – May 7, Glasgow's precipitation had totaled just 0.91 inch (35 percent of normal).

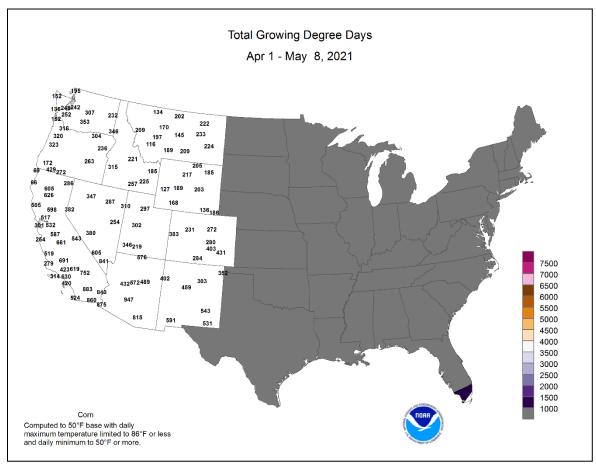
Much of **Alaska** experienced dry weather and near- or abovenormal temperatures, although some precipitation fell across the **state's southern tier**. With the dry weather, there were some large temperature swings, leading to a daily-record low (20°F on May 6) in **King Salmon**. Meanwhile, **Fairbanks** posted highs above the 60-degree mark on May 3, 4, 6, and 8, peaking at 65°F on the last day of the week. Farther south, **Hawaii** also noted warm, mostly dry weather. On the **Big Island**, **Hilo** notched a daily record-tying high of 85°F on May 3. At the state's major airport observation sites, rainfall during the first 10 days of May ranged from a trace in **Honolulu**, **Oahu**, to 2.42 inches in **Hilo**.

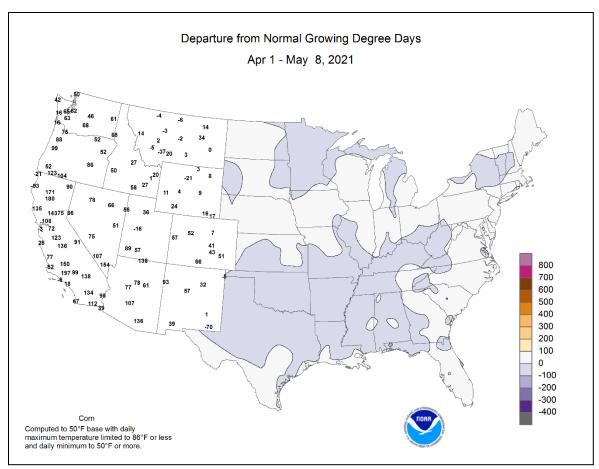












National Weather Data for Selected Cities

Weather Data for the Week Ending May 8, 2021

Data Provided by Climate Prediction Center

						Julu	11001	ovided by Climate Prediction Center					RELATIVI		NUN	/IBER	OF D	AYS		
	STATES	7	TEMF	PERA	TUR	E °	F			PRE	CIPITA	ATION	l			IDITY CENT	TEN	IP. °F	PRE	ECIP
	AND STATIONS	AVERAGE MAXIMUM	AVERAGE	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 BARROW	52 18	37 11	54 20	32 4	44 14	0 -1	0.06	-0.07 -0.05	0.04 0.00	1.23 0.27	99 79	2.81 0.88	103 132	76 86	42 75	0	1 7	2	0
	FAIRBANKS	60	39	65	32	50	5	0.12	0.00	0.12	2.35	301	3.71	205	68	33	0	1	1	0
	JUNEAU	52	41	57	35	47	1	1.04	0.33	0.61	11.96	159	22.48	132	88	61	0	0	5	1
	KODIAK NOME	46 45	36 30	52 52	28 23	41 38	-1 6	2.56 0.00	1.36 -0.20	1.32 0.00	10.34 3.12	81 188	27.72 4.25	102 118	89 72	65 47	0	2	6 0	1 0
AL	BIRMINGHAM	78	56	85	48	67	-1	3.95	2.80	3.59	18.30	167	25.15	123	88	46	0	0	3	1
	HUNTSVILLE	75	54	84	45	64	-3	3.37	2.16	3.25	17.62	161	25.28	122	96	53	0	0	4	1
	MOBILE MONTGOMERY	80 82	60 59	84 91	53 48	70 71	-1 1	3.29 1.52	2.18 0.72	1.28 0.75	21.17 13.46	173 123	26.20 18.63	114 89	98 89	60 44	0	0	4 3	3 2
AR	FORT SMITH	77	53	86	45	65	-2	0.67	-0.56	0.73	11.24	117	14.78	97	94	46	0	0	2	1
	LITTLE ROCK	79	55	86	49	67	-1	0.60	-0.65	0.33	7.43	65	14.93	80	93	45	0	0	3	0
AZ	FLAGSTAFF	70	34	77	29	52	4	0.00	-0.15	0.00	2.89	83	7.33	95	61	13	0	1	0	0
	PHOENIX PRESCOTT	96 78	70 46	100 85	66 42	83 62	4 4	0.00	-0.04 -0.11	0.00	0.38 0.71	28 41	0.82 2.62	25 61	26 42	8 12	7	0	0	0
	TUCSON	93	62	99	56	78	5	0.00	-0.05	0.00	0.31	26	1.02	33	26	7	6	0	0	0
CA	BAKERSFIELD	87	62	97	55	74	7	0.00	-0.07	0.00	0.92	50	1.97	46	44	16	3	0	0	0
	EUREKA FRESNO	56 88	45 60	59 98	37 53	50 74	-2 6	0.00	-0.49 -0.13	0.00	2.91 1.46	31 46	11.89 5.11	55 69	95 57	82 16	0	0	0	0
	LOS ANGELES	66	58	68	57	62	0	0.00	-0.13	0.00	1.31	49	3.20	37	86	63	0	0	0	0
	REDDING	87	59	94	55	73	9	0.00	-0.43	0.00	2.98	40	9.09	49	49	14	2	0	0	0
	SACRAMENTO SAN DIEGO	87 69	55 61	93 73	51 60	71 65	8 2	0.00 0.01	-0.19 -0.04	0.00 0.01	1.07 1.56	26 58	4.48 3.44	40 49	66 77	15 58	3	0	0	0
	SAN FRANCISCO	69	52	78	50	60	2	0.00	-0.04	0.00	1.35	30	5.43	49	80	44	0	0	0	0
	STOCKTON	85	53	93	49	69	5	0.00	-0.14	0.00	1.00	30	5.91	68	76	19	1	0	0	0
CO	ALAMOSA	70	32	78	21	51	3	0.02	-0.11	0.02	0.48	37	0.98	51	73	15	0	4	1	0
	CO SPRINGS DENVER INTL	68 67	40 40	82 86	35 37	54 54	2 1	0.83 0.88	0.44 0.40	0.49 0.67	2.99 5.62	103 175	4.41 6.63	121 163	81 89	31 36	0	0	3 4	0
	GRAND JUNCTION	75	47	87	37	61	3	0.51	0.48	0.40	1.33	61	2.00	61	65	19	0	0	2	0
	PUEBLO	76	45	90	38	60	3	0.72	0.35	0.71	1.95	70	2.98	84	79	27	1	0	2	1
CT	BRIDGEPORT HARTFORD	63 66	49 47	74 80	46 41	56 57	0	1.37 1.38	0.56 0.53	0.73 0.72	7.56 6.52	82 78	13.03 12.20	87 85	87 86	49 41	0	0	3 4	1
DC	WASHINGTON	74	54	84	44	64	1	0.70	-0.14	0.72	6.40	86	12.20	99	82	43	0	0	5	0
DE	WILMINGTON	73	52	84	42	62	3	0.41	-0.42	0.25	7.61	91	13.89	99	87	44	0	0	5	0
FL	DAYTONA BEACH	87	66	93	56	77	4	0.98	0.52	0.59	5.53	79	9.69	78	91	45	3	0	3	1
	JACKSONVILLE KEY WEST	86 85	59 79	93 86	46 76	73 82	1 3	0.16 1.11	-0.30 0.69	0.11 1.11	7.39 2.26	104 49	15.26 3.67	112 45	96 80	42 65	3	0	3	0
	MIAMI	89	76	93	71	82	4	0.86	0.06	0.66	5.54	79	8.93	82	86	53	2	0	2	1
	ORLANDO	91	70	94	61	80	5	0.12	-0.38	0.12	8.46	120	11.29	96	93	39	5	0	1	0
	PENSACOLA TALLAHASSEE	81 86	65 61	85 91	58 46	73 74	1 2	5.42 0.52	4.46 -0.08	2.50 0.48	20.22 5.76	180 59	25.91 16.07	123 85	90 93	60 42	0 2	0	3	3
	TAMPA	89	74	92	67	82	6	0.32	-0.22	0.46	4.46	81	9.00	85	84	47	4	0	1	0
	WEST PALM BEACH	90	76	92	72	83	6	0.25	-0.35	0.25	3.55	39	6.45	43	82	49	5	0	1	0
GA	ATHENS ATLANTA	77	55	82	45	66	-1	2.36	1.66	1.70	9.50	113	16.82	99	86	48	0	0	2	2
	AUGUSTA	76 83	57 56	81 89	50 43	66 70	-1 2	3.78 1.67	2.88 1.15	1.89 1.02	11.22 7.92	122 104	18.46 19.17	102 124	85 93	47 41	0	0	2	2 2
	COLUMBUS	80	57	89	46	69	-1	2.24	1.49	1.66	10.74	109	18.95	104	89	41	0	0	2	2
	MACON	82	55	90	42	69	0	0.57	0.02	0.40	8.07	99	15.60	93	95	42	1	0	2	0
н	SAVANNAH HILO	84 83	61 71	91 85	48 69	73 77	2 4	0.00 1.38	-0.59 -0.81	0.00 0.41	8.12 35.69	109 129	14.11 64.34	101 138	89 82	41 57	1	0	0 6	0
	HONOLULU	85	74	87	71	79	2	0.00	-0.17	0.00	4.41	154	9.13	128	72	46	0	0	0	0
	KAHULUI	85	69	86	66	77	2	0.01	-0.24	0.01	8.76	204	13.04	144	83	50	0	0	1	0
IA	LIHUE BURLINGTON	80 67	72 47	81 80	69 39	76 57	1 -4	0.25 0.96	-0.29 -0.16	0.08 0.55	13.36 8.47	178 108	18.73 10.20	130 95	88 87	67 42	0	0	5 2	0
	CEDAR RAPIDS	66	41	85	32	53	-3	0.93	0.02	0.80	4.11	66	5.03	60	87	37	0	1	2	1
	DES MOINES	67	47	83	39	57	-2	0.80	-0.27	0.77	4.63	62	6.02	62	75	32	0	0	2	1
	DUBUQUE SIOUX CITY	64 66	42 40	83	34	53 53	-2 -4	1.48 1.32	0.55	1.07	5.19 6.36	73 108	7.03	72 113	87	43 30	0	0	3	1
	WATERLOO	66 67	40 41	82 87	29 31	53 54	-4 -3	1.32	0.52 0.15	1.03 0.90	3.57	108 51	8.13 5.63	113 64	83 83	30	0	1	2	1
ID	BOISE	72	44	90	37	58	2	0.00	-0.32	0.00	2.04	68	5.06	96	61	17	1	0	0	0
	LEWISTON	72	47	91	41	59	3	0.00	-0.35	0.00	0.56	19	2.74	57	59	20	1	0	0	0
IL	POCATELLO CHICAGO/O HARE	67 64	39 47	84 85	32 37	53 55	2 -1	0.37 0.22	0.04 -0.58	0.33 0.10	2.76 2.17	98 32	4.71 4.48	98 43	77 85	26 44	0	1	2	0
I	MOLINE	68	46	84	32	57	-1 -1	0.22	-0.04	0.10	7.15	95	10.30	97	82	39	0	1	2	0
	PEORIA	66	48	79	38	57	-2	1.11	0.13	0.70	9.09	121	13.35	120	86	42	0	0	2	1
	ROCKFORD SPRINGFIELD	67 69	46 48	86 78	34 39	56 59	0 -2	0.95 0.71	0.17 -0.21	0.64 0.29	3.96	60 115	6.73 12.72	72 118	81 93	39 45	0	0	3 4	1 0
IN	EVANSVILLE	69	48 49	78 79	39 41	59 59	-2 -3	1.67	0.46	1.01	8.27 9.06	90	16.69	102	93	45 49	0	0	4	1
	FORT WAYNE	63	44	80	33	53	-4	0.85	0.07	0.43	6.40	90	9.69	85	93	51	0	0	6	0
	INDIANAPOLIS	65	46	77	36	55 51	-4 -	0.88	-0.24	0.28	8.47	98 75	12.39	91	93	51	0	0	6	0
KS	SOUTH BEND CONCORDIA	60 72	42 47	82 84	30 37	51 60	-5 0	0.47 0.93	-0.34 0.12	0.40 0.58	4.95 5.37	75 100	8.33 6.50	77 95	88 81	49 38	0	1	4	0
1	DODGE CITY	76	47	91	41	61	1	1.22	0.69	0.59	5.53	137	5.90	111	87	41	1	0	3	1
	GOODLAND	72	40	84	32	56	0	0.03	-0.50	0.02	4.89	148	5.63	133	84	32	0	1	2	0
	TOPEKA	72	47	81	35	60	-2	1.09	0.00	1.03	7.16	98	9.71	102	85	37	0	0	4	1

Based on 1981-2010 normals *** Not Available

Weekly Weather and Crop Bulletin
Weather Data for the Week Ending May 8, 2021

VICHITA									for the Week Ending May 8, 2021						REL	ATIVE	NUN	/IBER	OF D	AYS	
## AND STATIONS ## AND		STATES	1	ГЕМР	PERA	TUR	E '	`F			PRE	CIPITA	ATION	I				TEM	IP. °F	PRE	CIP
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EXPLICITION 68 47 76 78 78 78 78 78 78 7	S		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURI FROM NORM	WEEKLY TOTAL, IN.	DEPARTURI FROM NORM	GREATEST I 24-HOUR, IN	TOTAL, IN SINCE MAR	PCT. NORMA SINCE MAR	TOTAL, IN., SINCE JAN	PCT. NORMA SINCE JAN	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABO	32 AND BELC	.01 INCH OR MORE	.50 INCH OR MORE
UNISHILE 72 51 90 64 62 22 157 0.33 0.93 1001 101 106 166 122 68 0.90 0 0 0 5 1 PARAMETER PARLICATE 77 157 157 157 157 157 157 157 157 157	KY																				0
LA BATON ROUSE	IX1	LOUISVILLE	72	51	80	44	62	-2	1.57	0.33	0.93	10.01	104	19.66	123	86	39	0	0	5	1
LAME CHARLES 85 66 86 75 62 0.06 0.08 0.04 0.05 0.																					
SHEVEPORT 61 61 61 61 61 61 61 6	LA																		-		0
MA		NEW ORLEANS	84	69	87	62	76		3.58	2.57	1.81		252	32.75	157	86	55		0		2
WORCESTER 01 45 74 43 53 03 1.00 0.45 0.73 0.47 0.96 11.94 74 85 44 0 0 0 2 2 1																-			-		
ND BALTIMORIE 74 52 87 41 63 30 778 -0.03 0.26 6.51 52 13.50 97 78 85 30 0 0 5 5 0 1	MA															-			-		
PORTLAND 67	MD																		-		0
MI ALPENA 43 43 43 43 45 45 45 45	ME			-			-						-			-					
GRAND RAPIOS 00 43 83 32 52 53 0.51 -0.055 0.26 0.78 56 0.40 61 90 0.51 0.0 1 3 0 0 1 1 3 0 1 1 0 1 1 1 1 1 1 1 1																					
LANSING California Califo	MI																		-		
MISSECON		HOUGHTON LAKE	55	37	72	29	46	-4	2.24	1.69	1.22	3.91	80	5.77	76	93	57	0		5	1
TRAYLERS CITY 55 38 73 28 47 -3 227 1.70 1.52 4.11 78 4.81 50 94 55 0 2 3 2 2 1.70 1.52 4.11 78 4.81 50 94 55 0 2 0 2 0 0 1.70				-	_						-										
NN DULLITH																-					
INT_LFALLS	MN															-					
ROCHESTER ST.CLOUD ST.CL		_																			0
ST. CLOUD MO COLUMBIA MI 52 83 65 65 27 47 -6 0.018 -0.48 0.18 5.74 117 6.92 112 84 34 0 0 3 1 0 0 0 5 0 0 0 5 0 0 5 0 0 0 2 1 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0																-			-		-
NO COLUMBIA TI 52 83 42 62 1 0 0 0 5 5 0 KANASCRITY 71 49 77 38 60 - 1 0.93 - 0.24 0.87 906 122 184 118 82 42 0 0 0 2 1 1 SAINTLOUIS 71 48 80 38 59 - 3 1.47 0.24 0.87 906 122 184 118 82 42 0 0 0 2 1 1 SPRINGFIELD 71 48 80 38 59 - 3 1.47 0.24 0.87 906 122 184 14 60 121 84 42 0 0 0 4 4 0 0 0 4 0 0 0 4 0 0 0 0 4 0																			-		_
SAINTLOUIS 71 48 80 38 59 3 147 0.21 0.80 1.42 9.41 1.16 80 44 0 0 0 4 4 0 0 0 3 2 2 8 8 8 87 8 9 88 52 70 1 1 0.09 -0.02 0.55 145 145 59 155 180 14.85 116 80 24 1 0 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	МО																	0		5	
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GREAT FALLS 60 34 4 72 27 47 -1 129 0.91 0.57 2.82 100 3.70 97 90 0.33 0 2 3 1 1 MISSOULA 65 36 84 31 50 0 0 0.06 -0.27 0.04 0.74 28 2.26 5.8 82 3.0 0 1 1 2 0.0 MISSOULA 65 36 84 45 66 2 0.92 0.24 0.46 0.74 28 2.26 5.8 82 3.0 0 1 2 2 0.0 GREENSBORO 75 52 83 42 64 0.0 0.93 0.20 0.75 7.19 88 15.79 108 88 46 0.0 0 3 3 1 HATTERAS 75 62 81 54 68 4 0.0 0.93 0.20 0.75 7.19 88 15.79 108 88 46 0.0 0 0 3 4 0.0 RALEIGH 77 55 48 87 42 65 0 0.73 0.08 0.33 3.11 40 14.17 98 96 49 0 0 0 3 2 0 MD BISMARCK 61 33 71 22 47 5-5 0.48 0.02 0.39 1.21 45 1.03 44 86 28 0 0 4 2 0 DICKINSON 61 31 67 26 46 4 0 0 0.01 0.02 0.39 1.21 45 1.03 44 86 28 0 0 4 2 0 DICKINSON 61 31 67 26 48 4 4 8 8 0 0.02 0.39 0.41 1.74 53 2.33 50 85 27 0 0 3 1 1 PARCO GRAND FORKS 59 27 68 23 43 8 0.0 0.0 0.0 0.0 0.0 0.0 16 1.30 6.2 1.80 48 85 27 0 0 4 2 0 GRAND FORKS 69 27 68 23 43 8 0 0.0 0.0 0.0 0.0 0.0 16 1.30 6.2 1.80 48 85 27 0 0 4 0 2 0 NORTH GRAND FORKS 69 41 8 43 38 59 0.0 0.0 0.0 0.0 16 1.30 6.2 1.80 48 85 27 0 0 4 0 2 0 NORTH PLATTE 70 42 80 34 56 2 2 1.37 0.03 0.25 0.00 11.74 53 0.33 1.10 8 84 43 0 0 1 2 0 NORTH PLATTE 70 42 80 34 56 2 2 1.37 0.03 0.25 0.00 1.17 17 17 17 18 98 96 0.0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																-			-		
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FARGO 62 33 78 26 47 -6 0.01 -0.53 0.01 1.74 53 2.33 50 85 27 0 3 1 1 0 GRAND FORKS 59 27 68 23 43 -8 0.23 -0.26 0.6 1.36 52 1.80 48 85 27 0 6 2 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ND																				
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NE GRAND ISLAND			59			23	43	-8	0.23	-0.26	0.16	1.36	52		48	85	27	0	-		0
LINCOLN 70 43 85 32 57 -2 0.73 -0.23 0.31 7.64 133 9.29 130 84 34 0 1 1 4 0 NORFOLK 69 41 84 33 55 -2 0.18 -0.61 0.10 7.45 140 8.26 123 80 28 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0																					0
NORFOLK 69 41 84 33 55 -2 0.18 -0.61 0.10 7.45 140 8.26 123 80 28 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0	NE																				
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SCOTTSBLUFF 68 37 78 29 53 -1 0.03 -0.43 0.02 2.58 76 3.57 80 84 31 0 1 2 0																			-		0
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NH CONCORD 62 41 74 34 51 -1 0.87 0.07 0.78 4.98 66 9.46 73 86 38 0 0 3 1 NJ ATLANTIC_CITY 72 50 84 42 61 3 0.43 -0.28 0.25 8.11 93 16.59 112 91 46 0 0 0 3 0 NM ALBUQUERQUE 79 52 84 43 65 3 0.10 -0.02 0.08 0.57 6.51 69 13.64 86 81 43 0 0 0 4 1 NM ALBUQUERQUE 79 52 84 43 65 3 0.10 -0.02 0.08 0.57 43 1.19 53 53 11 0 0 0 2 0 NM ELY 68 34 80 26 51 3 0.00 -0.24 0.00 2.02 90 3.06 82 59 16 0 3 0 0 0 NM ELY 68 34 80 26 51 3 0.00 -0.24 0.00 2.02 90 3.06 82 59 16 0 3 0 0 0 NM ENO 75 47 85 41 61 5 0.00 -0.12 0.00 0.08 88 0.70 34 21 7 3 0 0 0 0 NM ENO 75 47 85 41 61 5 0.00 -0.12 0.00 0.06 4 1.46 42 50 12 0 0 0 0 0 NM ENDEMUCCA 73 37 87 29 55 3 0.05 -0.21 0.05 1.26 60 3.36 93 60 15 0 2 1 0 NM ENDEMUCCA 73 37 38 51 -1 1.54 0.78 0.55 8.34 114 12.78 106 97 56 0 0 0 5 1 NM ENFALO 58 44 68 38 51 -2 0.75 0.04 0.54 3.66 54 6.75 54 89 59 0 0 5 1 1 4 1 1.54 0.78 NGHESTER 60 42 71 32 51 -2 0.75 0.04 0.55 8.34 114 12.78 106 97 56 0 0 0 5 1 NM ENFALO 58 44 68 80 35 55 -1 1.63 0.72 0.56 5.81 77 9.69 78 86 56 0 0 0 5 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0																					0
NEWARK 69 51 86 47 60 1 1.16 0.30 0.57 6.51 69 13.64 86 81 43 0 0 4 1 NM ALBUQUERQUE 79 52 84 43 65 3 0.10 -0.02 0.08 0.57 43 1.19 53 53 11 0 0 0 2 0 NV ELY 68 34 80 26 51 3 0.00 -0.24 0.00 2.02 90 3.06 82 59 16 0 3 0 0 0 RENO 75 47 85 41 61 5 0.00 -0.12 0.00 0.60 88 0.70 34 21 7 3 0 0 0 0 WINNEMUCCA 73 37 87 29 55 3 0.05 -0.21 0.05 1.26 60 3.36 93 60 15 0 2 1 0 NY ALBANY 60 41 68 32 51 -5 1.28 0.53 0.50 7.00 97 10.66 89 97 53 0 1 4 1 BINGHAMTON 60 42 73 33 51 -1 1.54 0.78 0.55 8.34 114 12.78 106 97 56 0 0 5 1 ROCHESTER 60 42 71 32 51 -2 0.37 -0.26 0.24 4.69 79 8.09 78 96 54 0 1 4 0 0 0 5 2 CINCINNATI 68 47 77 36 58 -3 1.86 0.77 1.06 7.98 87 14.92 100 89 45 0 0 7 1 CINCINNATI 68 47 77 36 58 -3 1.86 0.77 1.06 7.98 87 14.92 100 89 45 0 0 7 1 COLUMBUS 65 46 80 37 56 -2 2.04 1.00 1.01 7.09 82 11.55 85 84 47 0 0 0 7 1	NH	CONCORD	62	41	74	34	51	-1	0.87	0.07	0.78	4.98	66	9.46	73	86	38	0	0	3	1
NM ALBUQUERQUE 79 52 84 43 65 3 0.10 -0.02 0.08 0.57 43 1.19 53 53 11 0 0 0 2 0 0 NV ELY 68 34 80 26 51 3 0.00 -0.24 0.00 2.02 90 3.06 82 59 16 0 3 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NJ	_														-			-		0
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SYRACUSE 62 44 71 34 53 -1 1.41 0.72 0.36 5.14 74 9.61 83 90 51 0 0 6 0 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0																			-		
OH AKRON-CANTON 64 46 80 35 55 -1 1.63 0.72 0.56 5.81 77 9.69 78 86 56 0 0 5 2 CINCINNATI 68 47 77 36 58 -3 1.86 0.77 1.06 7.98 87 14.92 100 89 45 0 0 7 1 1 CLEVELAND 62 46 80 35 54 -3 0.67 -0.11 0.28 5.34 73 8.27 67 86 51 0 0 6 0 0 0 6 1 OCULUMBUS 65 46 80 37 56 -4 1.47 0.61 0.57 7.52 102 11.99 97 95 52 0 0 6 1 OCULUMBUS 66 47 79 37 56 -2 2.04 1.00 1.01 7.09 82 11.55 85 84 47 0 0 0 7 1																					0
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COLUMBUS 65 46 80 37 56 -4 1.47 0.61 0.57 7.52 102 11.99 97 95 52 0 0 6 1 DAYTON 66 47 79 37 56 -2 2.04 1.00 1.01 7.09 82 11.55 85 84 47 0 0 7 1	J	CINCINNATI	68	47	77	36	58	-3	1.86	0.77	1.06	7.98	87	14.92	100	89	45	0	0	7	1
DAYTON 66 47 79 37 56 -2 2.04 1.00 1.01 7.09 82 11.55 85 84 47 0 0 7 1				-			_												-		0
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		MANSFIELD	64	47	82	37	55	0	1.78	0.84	0.86	6.47	75	10.37	74	87	53	0	0	5	1

Based on 1981-2010 normals

*** Not Available

		Weather Data for the Week Ending May 8, 2021 RELATIVE NUMBER OF									OF D	AVC								
		7	ГЕМЕ	PERA	TUR	Έ	F			PRE	CIPITA	ATION	I			IDITY				
	STATES											_			PER	CENT	IEW	P. °F	PRECIP	
S	AND STATIONS	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
	TOLEDO YOUNGSTOWN	64 62	47 43	84 80	38 32	56 53	-1 -2	0.69 1.36	-0.07 0.58	0.33 0.46	5.86 5.60	90 78	9.16 9.01	86 76	82 90	43 54	0	0	4 5	0
ОК	OKLAHOMA CITY	76	55	83	46	65	-2	0.29	-0.71	0.27	4.49	61	6.70	65	86	43	0	0	2	0
OD	TULSA	77	54	86	42	65	-1	0.98	-0.31	0.75	7.66	89	10.75	89	87	42	0	0	2	1
OR	ASTORIA BURNS	58 68	43 32	73 83	40 25	51 50	0 1	0.36 0.00	-0.49 -0.25	0.24 0.00	6.61 0.76	48 32	34.83 4.17	112 91	93 74	61 17	0	0	4 0	0
	EUGENE	67	43	78	34	55	1	0.00	-0.23	0.00	2.61	28	12.13	56	92	44	0	0	4	0
	MEDFORD	74	48	89	39	61	4	0.00	-0.31	0.00	1.74	50	5.39	68	69	25	0	0	0	0
	PENDLETON	69	44	79	40	56	1	0.01	-0.29	0.01	0.74	25	3.70	68	72	22	0	0	1	0
	PORTLAND	68	49	81	44	58	3	0.06	-0.48	0.05	2.00	28	12.87	82	81	35	0	0	2	0
PA	SALEM ALLENTOWN	67 69	46 47	80 86	37 39	57 58	3 2	0.13 1.04	-0.39 0.18	0.07 0.35	3.85 5.21	52 66	16.73 11.59	93 85	84 86	39 47	0	0	3	0
PA	ERIE	60	46	77	35	53	-1	0.58	-0.17	0.35	4.39	61	10.11	81	82	55	0	0	4	0
	MIDDLETOWN	71	51	87	42	61	2	1.25	0.39	0.89	6.22	84	12.57	99	81	42	0	0	5	1
	PHILADELPHIA	73	53	84	48	63	3	0.67	-0.11	0.39	7.45	90	13.85	100	84	43	0	0	5	0
	PITTSBURGH	63	47	79	36	55	-2	1.00	0.22	0.38	7.12	103	11.23	93	86	56	0	0	4	0
	WILKES-BARRE WILLIAMSPORT	68 68	47 46	84 84	38 37	58 57	2	1.44	0.69 0.39	0.47 0.42	6.36 5.51	94 77	11.19 10.72	100	87 89	46 45	0	0	5 5	0
RI	PROVIDENCE	68	46	84 79	37 44	56	1 1	1.17 1.09	0.39	0.42	5.51 7.91	77 76	10.72	88 76	89 87	45 46	0	0	5 4	1
SC	CHARLESTON	82	61	88	50	72	2	0.63	-0.02	0.73	4.24	58	13.28	95	93	47	0	0	2	1
	COLUMBIA	81	55	89	44	68	0	1.75	1.10	1.41	5.93	83	17.54	123	89	42	0	0	2	1
	FLORENCE	83	56	90	42	69	1	0.65	0.03	0.55	3.21	48	15.59	122	88	35	1	0	2	1
SD	GREENVILLE ABERDEEN	75 61	54 35	81 73	45 28	64	-1 -	2.78 0.71	1.94 0.01	2.16 0.54	10.16 3.95	115 103	18.75 4.54	113 93	80 80	44 30	0	0	3	2
20	HURON	62	34	71	25	48 48	-5 -7	0.71	-0.56	0.05	2.87	63	3.59	63	88	31	0	4	2	1 0
	RAPID CITY	61	35	70	31	48	-3	0.14	-0.52	0.09	2.02	57	2.62	60	84	39	0	1	3	0
	SIOUX FALLS	61	39	72	30	50	-5	0.48	-0.27	0.40	4.94	88	6.31	93	81	30	0	2	2	0
TN	BRISTOL	71	49	81	41	60	-1	0.63	-0.19	0.35	8.66	112	17.15	118	92	45	0	0	4	0
	CHATTANOOGA	75	54	85	48	65	-1	1.61	0.61	1.41	15.64	154	23.77	119	89	46	0	0	3	1
	KNOXVILLE MEMPHIS	71 76	52 57	81 85	46 49	62 67	-2 -2	1.24 2.83	0.19 1.52	0.80 1.34	11.43 15.14	119 124	18.32 25.36	100 123	93 88	49 48	0	0	3	1 2
	NASHVILLE	74	54	82	45	64	-2 -1	3.31	1.99	1.85	17.43	181	24.62	142	86	44	0	0	5	2
TX	ABILENE	83	56	92	48	69	-1	0.00	-0.61	0.00	6.50	159	8.07	124	84	36	1	0	0	0
	AMARILLO	81	50	94	42	66	3	0.41	0.04	0.26	1.71	52	2.67	58	87	28	3	0	3	0
	AUSTIN	88	64	94	58	76	2	0.00	-0.89	0.00	5.94	101	8.51	84	80	37	2	0	0	0
	BEAUMONT BROWNSVILLE	85 88	64 71	87 94	56 60	74 79	1 1	0.02	-1.17 -0.51	0.02 0.00	3.54 2.57	44 76	9.09 3.67	53 64	97 90	55 57	0 4	0	1 0	0
	CORPUS CHRISTI	85	67	88	59	76	0	0.00	-0.62	0.00	5.48	123	7.21	91	98	62	0	0	0	0
	DEL RIO	94	66	103	60	80	3	0.00	-0.51	0.00	3.30	97	3.94	83	73	26	5	0	0	0
	EL PASO	89	60	97	52	74	4	0.01	-0.09	0.01	0.25	36	0.97	60	42	10	5	0	1	0
	FORT WORTH	84	60	92	52	72	1	0.12	-1.01	0.08	7.34	94	10.45	83	85	39	2	0	2	0
	GALVESTON HOUSTON	83 87	71 64	85 90	65 58	77 76	2	0.03 0.86	0.00 -0.29	0.02 0.78	3.11 6.08	0 76	5.32 10.19	0 70	84 89	60 45	0	0	2 2	0
	LUBBOCK	84	53	97	45	68	2	0.00	-0.29	0.78	2.52	85	3.76	85	75	18	3	0	1	0
	MIDLAND	86	56	97	52	71	1	0.00	-0.24	0.00	2.51	164	3.02	107	77	18	2	0	0	0
	SAN ANGELO	87	55	94	47	71	0	0.00	-0.50	0.00	2.56	72	4.09	70	83	26	3	0	0	0
	SAN ANTONIO	88	64	94	59	76	2	0.16	-0.64	0.16	8.44	159	10.74	121	87	35	3	0	1	0
	VICTORIA WACO	86 85	66 58	87 91	62 50	76 72	1 0	0.00	-1.08 -0.96	0.00 0.02	10.21 2.94	150 42	11.75 5.59	103 48	93 92	52 41	0	0	0 2	0
	WICHITA FALLS	81	55	89	47	68	0	0.03	-0.50	0.02	6.03	105	7.44	46 86	94	43	0	0	2	0
UT	SALT LAKE CITY	72	49	87	46	61	4	0.01	-0.48	0.01	3.30	75	5.82	84	62	18	0	0	1	0
VA	LYNCHBURG	75	49	87	40	62	1	0.53	-0.26	0.33	6.38	82	14.37	104	85	39	0	0	2	0
	NORFOLK	80	57	93	46	69	5	0.13	-0.59	0.08	4.74	60	14.67	102	83	37	1	0	2	0
	RICHMOND ROANOKE	78 74	53 51	90 84	42 43	65 63	2 1	0.56 0.69	-0.22 -0.13	0.21 0.46	5.75 5.53	70 71	14.30 13.95	102 103	87 82	38 39	1	0	4	0
	WASH/DULLES	73	50	85	39	61	1	1.01	0.07	0.40	5.51	70	11.60	87	91	45	0	0	5	0
VT	BURLINGTON	60	42	65	34	51	-2	0.73	0.03	0.68	5.94	102	9.14	94	83	44	0	0	3	1
WA	OLYMPIA	61	41	71	35	51	-1	0.66	0.07	0.50	4.53	47	23.74	105	94	47	0	0	3	0
	QUILLAYUTE	57	41	70	36	49	-1	0.50	-0.84	0.17	11.92	59	38.44	85	99	60	0	0	4	0
	SEATTLE-TACOMA SPOKANE	63 67	47 42	71 82	44 35	55 54	1 2	0.28	-0.17 -0.30	0.25 0.00	3.92 0.48	56 14	17.04 4.02	106 62	86 63	49 20	0	0	2	0
	YAKIMA	71	39	80	35	55	1	0.00	-0.30	0.00	0.48	8	2.48	75	70	19	0	0	0	0
WI	EAU CLAIRE	64	38	72	27	51	-4	0.02	-0.73	0.02	2.43	45	3.08	43	86	29	0	3	1	0
	GREEN BAY	60	40	78	31	50	-2	0.86	0.28	0.55	3.74	72	5.17	69	89	48	0	1	3	1
	LA CROSSE	66	44	85	34	55	-1	2.25	1.46	1.09	5.09	81	6.61	78	90	36	0	0	4	2
	MADISON MILWAUKEE	63 61	42 46	84 87	30 37	52 54	-1 1	0.81 0.72	0.05 -0.02	0.58 0.43	3.67 2.54	57 38	5.60 5.70	61 56	89 85	44 49	0	1 0	3	1
WV	BECKLEY	66	46	78	36	56	-1	0.72	-0.02	0.43	7.59	94	16.22	119	92	49	0	0	6	0
	CHARLESTON	69	47	82	37	58	-3	1.17	0.15	0.44	6.78	82	13.69	95	98	45	0	0	3	0
	ELKINS	66	43	81	35	55	-1	1.69	0.59	0.63	6.55	73	13.13	86	83	41	0	0	5	2
14/57	HUNTINGTON	69	49	79	38	59	-3	1.42	0.41	0.68	8.04	95	15.36	106	97	46	0	0	6	1
WY	CASPER CHEYENNE	64 61	31 35	83 79	26 31	47 47	-1 -2	0.13 0.63	-0.31 0.13	0.08	3.76 3.18	143 93	5.07 3.83	136 89	91 92	29 37	0	5 2	3	0
	LANDER	62	35	79 82	32	47	-2 -2	0.84	0.13	0.30	5.75	157	6.00	128	86	32	0	3	3	1
	SHERIDAN	61	33	82	30	47	-2	0.61	0.08	0.48	4.61	143	6.58	153	87	45	0	5	4	0

Based on 1981-2010 normals

*** Not Available

April Weather and Crop Summary

Weather

Weather summary provided by USDA/WAOB

Highlights: Despite periodic April rain and snow showers, drought resolutely persisted across much of the western half of the country, with national coverage increasing from 44 to 48 percent during the 4-week period ending April 27, according to the *U.S. Drought Monitor*. During the same 4 weeks, drought coverage in the 11-state Western region increased from 75 to 84 percent. In addition, Western coverage of extreme to exceptional drought (D3 to D4) increased by nearly 4 percentage points during April to reach 43 percent.

Across roughly the southern two-thirds of the West, a drought complication was premature melting of high-elevation snowpack, which disrupted the natural hydrological cycle and could potentially extend the wildfire season. By May 2, USDA/NASS reported that rangeland and pastures were rated at least 40 percent in very poor to poor condition in 12 of the 17 states from the Pacific Coast to the Great Plains, led by Arizona (87 percent very poor to poor). In contrast, pastures were rated at least 70 percent in good to excellent condition in 11 states from the Mississippi Valley eastward.

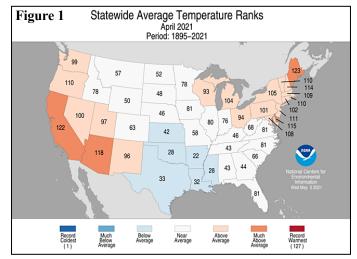
Meanwhile, a pair of April cold snaps threatened a variety of crops and commodities. In the Southeast, early-April freezes caused variable damage to fruits and ornamentals. Several weeks later, more expansive freezes across the Plains and Midwest, as well as parts of the mid-South and interior Southeast, potentially harmed some jointing to heading winter wheat. Other possible adverse freeze impacts from the late-April cold wave included blooming fruits and emerged summer crops.

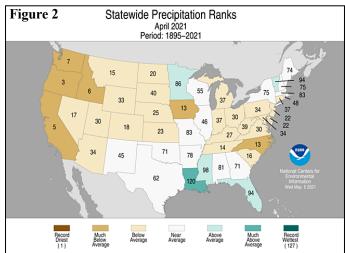
Despite early-April warmth across the nation's mid-section, subsequent cold weather helped to push monthly temperatures to near- or below-normal levels. Elsewhere, warmer-than-normal weather generally covered the Pacific Coast States, the Great Basin, and the Desert Southwest, as well as an area stretching from the Great Lakes region into the Northeast.

Elsewhere, pockets of April dryness covered the Midwest, southern High Plains, and the mid-Atlantic, while heavy precipitation was common across the Deep South, including the Gulf Coast region. Across the northern Plains, rain and snow showers were insufficient to significantly boost soil moisture, while cool weather and dry soils locally hampered crop emergence and early-season pasture growth.

Historical Perspective: According to preliminary data provided by the National Centers for Environmental Information, the contiguous U.S. experienced its 43rd-warmest, 14th-driest April during the 127-year period of record. The nation's monthly average temperature of 51.9°F was 0.9°F above the 20th century mean, while precipitation averaged 2.03 inches—just 81 percent of normal. Precipitation shortfalls, which were most pronounced across the Far West but also affected many other parts of the country, resulted in the nation's driest April since 1989.

State temperature rankings ranged from the 22nd-coolest April in Arkansas to the fifth-warmest April in Maine. California and Arizona also achieved top-ten rankings for April warmth (figure 1). Meanwhile, state precipitation rankings ranged from the third-driest April in Oregon to the eighth wettest in Louisiana. Joining Oregon with top-ten April dryness were California, Idaho, and Washington (figure 2). East of the Rockies, Iowa and North Carolina were the "driest" states, with each reporting its 13th-driest April.





Summary: An early-April cold spell, following a warm March, threatened blooming fruits and other freeze-sensitive Southeastern commodities. On April 2-3, freezes occurred as far south as Alabama, Georgia, and Mississippi. Selected Southeastern dailyrecord lows for April 2 included 21°F in Frankfort, KY; 24°F in Crossville, TN; and 30°F in Macon, GA. Macon reported another daily-record low (also 30°F) on April 3. Elsewhere on the 3rd, daily-record lows dipped to 24°F in Lynchburg, VA; 26°F in Charlotte, NC; and 27°F in Greenville-Spartanburg, SC. Meanwhile, other areas of the country experienced summer-like warmth. In California, record-setting highs for April 1 rose to 96°F in Anaheim and Santa Ana. In fact, the month opened with consecutive daily-record highs (89 and 90°F, respectively) in Bakersfield, CA. In southeastern California, daily-record highs soared to 99°F in Thermal (on April 2) and Needles (on April 3). Warmth quickly spread across the northern Plains, where Mobridge, SD, logged consecutive daily-record highs of 80 and 81°F, respectively, on April 2-3. Other daily-record highs for April 3 reached 83°F in Pierre, SD, and Bismarck, ND. Within a few days, the short-lived but expansive warm spell peaked. By April 4-5, consecutive daily-record highs were set in locations such as North Platte, NE (86 and 90°F); Goodland, KS (87 and 88°F); Pueblo, CO (86°F both days); and Sioux Falls, SD (84 and 90°F). In the Desert Southwest, daily-record highs soared to 98°F (on April 4) in Phoenix, AZ, and 99°F (on April 5) in Needles, CA. Record-setting warmth also arrived in the Great Lakes States, where daily-record highs for April 5 included 85°F in Eau Claire, WI, and Minneapolis-Saint Paul, MN. Warm weather lingered for several days in Michigan; from April 6-8, Gaylord, MI, tallied a trio of daily-record highs (77, 81, and 81°F). In neighboring Ohio, consecutive daily-record highs occurred on April 7-8 in Toledo (84 and 79°F) and Akron-Canton (82 and 83°F). With a high of 87°F on the 8th, Erie, PA, observed its second-highest April temperature on record, behind only 89°F on April 28, 1990. Farther east, Augusta, ME, collected consecutive daily-record highs (67 and 78°F, respectively) on April 9-10. Meanwhile, Del Rio, TX, logged a pair of daily-record highs (102 and 103°F, respectively) on April

Following the early-April warmth, temperatures began to plummet. As a result, widespread freezes were reported as far south as the central High Plains. Readings below 20°F were common into western Nebraska, although April 10 lows of 14°F in Alliance and 15°F in Sidney were not records for the date. Elsewhere in Nebraska, North Platte's temperature fell to 20°F on April 10, down 70°F from 5 days earlier. Notably, colder air also settled across the Northwest, threatening blooming fruits. In Oregon, daily-record lows for April 9 dipped to 12°F in Baker City; 14°F in Burns; and 17°F in Klamath Falls. On April 11-12, consecutive daily-record lows were established in Pendleton, OR (23 and 21°F), and Pasco, WA (also 23 and 21°F). Pendleton's minimum temperature of 21°F represented its lowest reading since February 18.

Overall, storminess was less impressive in April, as compared to March. Nationwide, there were fewer than 75 tornadoes spotted during April, compared to nearly 200 in March. Still, back-to-back storms during the first half of the month delivered widespread precipitation across the eastern one-half of the country. As early as April 5, stormy weather moved into the West. On that date in southern California, a wind gust to 97 mph was recorded in Indian Wells Canyon. Meanwhile in Wyoming, Greybull (0.57 inch) and Worland (0.45 inch) received daily-record precipitation totals for April 6. The following day, record-setting amounts for April 7 reached 2.10 inches in Quincy, IL, and 1.56 inches in Sisseton, SD. Later, another storm produced more Midwestern rain, resulting in daily-record totals for April 10 in Moline, IL (2.55 inches), and Burlington, IA (2.39 inches). Heavy rain also soaked the central Gulf Coast region, where Mobile, AL, collected 3.48 inches—a record for April 10. Elsewhere on the 10th, a thunderstorm in Jacksonville, FL, produced a wind gust to 60 mph—the secondhighest April gust on record in that location, behind only 67 mph on April 25, 1992. Active Eastern weather continued through April 11, when daily-record rainfall totals in Florida included 2.40 inches in Lakeland and 2.05 inches in Fort Pierce and Fort Myers. Farther

north, April 11 rainfall totals of 1.76 inches in Harrisburg, PA, and 1.18 inches in Rochester, NY, set records for the date. Meanwhile, high winds raked the north-central U.S. Before dawn on April 11, wind gusts were clocked to 68 mph in Rapid City, SD, and Greybull, WY. However, the northern Plains remained mostly dry. January-April precipitation in North Dakota totaled less than an inch in locations such as Jamestown (0.57 inch, or 20 percent of normal) and Minot (0.22 inch, or 8 percent). North Dakota experienced its driest January-April period on record, with a statewide average precipitation total of 1.16 inches. The previous record of 1.25 inches had been set in 1934.

In mid-April, torrential rain (locally 4 to 8 inches or more) sparked flooding in the central Gulf Coast region. Heavy rain (2 to 4 inches) also spread into parts of northern and central Florida. At the same time, a pair of slow-moving storms delivered widespread precipitation—including some late-season snow—across the central Plains and Northeast, respectively. Heavy snow first developed across the Intermountain West and spread eastward. In Utah, Alta received 12.1 inches of snow in a 24-hour period on April 13-14, while Laketown measured 7.0 inches. Subsequently, the storm deposited snow in parts of Wyoming, western Nebraska, northeastern Colorado, and the northwestern corner of Kansas. April 14-16 totals included 8.4 inches in Scottsbluff, NE; 6.9 inches in Denver, CO; and 4.8 inches in Goodland, KS. Scottsbluff's monthly snowfall later climbed to 9.5 inches, following another accumulation on April 19. Farther south, April rainfall totaled 12 to 16 inches (roughly 250 to 350 percent of normal) in locations such as Gulfport, MS (15.44 inches), and New Orleans, LA (12.85 inches). Remarkably, all but 0.01 inch of New Orleans' rain fell in a 10-day period from April 8-17. Finally, April 15-16 featured heavy precipitation in parts of the Northeast. Islip, NY, netted a daily-record total (1.80 inches) for April 15. The following day, on the 16th, Worcester, MA, received 6.8 inches of snow, a record for

Summery weather developed in mid-April across parts of the Southeast. In Georgia, daily-record highs included 89°F (on April 13) in Macon and 90°F (on April 14) in Augusta. Tallahassee, FL, posted a daily-record high of 92°F on April 13. Meanwhile, a warming trend commenced across the West. In California, Santa Barbara's temperature rose from a daily-record low of 39°F on the 14th to a daily-record high of 79°F on April 18. Similarly, Olympia, WA, experienced a temperature rise from 27 to 76°F between April 11 and 15, with both extremes setting records (low and high, respectively) for the date. On April 16-17, temperatures topped the 80-degree mark in Salem, OR, setting records (82 and 85°F, respectively) for both dates. On April 17, daily-record highs reached or exceeded the 80-degree mark as far north as Washington locations such as Olympia (82°F) and Seattle (80°F). The warmth was short-lived, however, as a harsh, late-April cold wave delivered widespread freezes across the Plains, Midwest, mid-South, mid-Atlantic, and Northeast.

Moisture interacting with the cold air sparked late-season snow as far south as the central Plains and the Midwest. Record-setting snowfall totals for April 19 included 7.2 inches in Valentine, NE, and 4.5 inches in Stanford, MT. The next day in Kansas, snowfall records for April 20 reached 1.9 inches in Dodge City and 3.1 inches in Concordia and Topeka. With a 3.5-inch total on the 20th, Kansas City, MO, noted its snowiest April day since 1970, when 4.6 inches fell on April 1. Meanwhile in Indiana, daily-record amounts for April 20 reached 4.2 inches in Fort Wayne and 2.0 inches in Indianapolis. For Indianapolis, the only later instances of a storm depositing at least an inch of snow were May 8-9, 1923, when 1.2 inches fell, and May 2, 1897, when 2.4 inches accumulated. April 20-21 snowfall totaled 2.8 inches in Cincinnati, OH, and 1.8 inches in Louisville, KY. Snow shifted into the Northeast on April 21, when daily-record totals in New York reached 3.1 inches in Buffalo and 2.8 inches in Rochester. Later, heavy showers and strong thunderstorms swept across the South. Several tornadoes were spotted on April 23 in northern Texas; a few more touched down the following day in northern Florida and southern sections of Alabama and Georgia. Alma, GA, endured its second-wettest day on record, with an April 24 total of 6.50 inches. Alma's wettest day on record remains December 4, 1964, when 6.92 inches fell. Elsewhere in the Southeast, daily-record amounts for April 24 included 2.88 inches in Mobile, AL, and 2.41 inches in Savannah, GA.

Prior to the peak of the late-season cold wave, cool air was already in place. In Goodland, KS, the low temperature fell to the freezing mark or below (ranging from 18 to 32°F) each day from April 12-22. Goodland recorded 18 freezes during the month, narrowly missing its April record of 21 days set in 1918 and 1973. Meanwhile in Montana, Townsend posted a daily-record low of 14°F on April 13. At the height of the cold spell, hundreds of daily-record lows were set or tied, mainly from April 20-23. Laramie, WY, collected a sub-zero, daily-record low of -8°F on April 20. On the same date in Colorado, daily-record lows dipped to 9°F in Akron and Yuma. On April 20-21, consecutive dailyrecord lows were established in locations such as Goodland (19 and 18°F, respectively), and Cedar Rapids, IA (25 and 20°F, April 21 featured the latest freeze on record respectively). (previously, 30°F on April 17, 1947) in Abilene, TX, where the temperature fell to 32°F. With a low of 32°F on the 21st, North Little Rock, AR, also registered its latest freeze on record (previously, 32°F on April 19, 1983). In Nebraska, daily-record lows for April 21 plunged to 9°F in Alliance and 12°F in Sidney. Elsewhere on the Plains, record-setting minima for the 21st included 28°F in Lubbock, TX, and 29°F in Oklahoma City, OK. As the cold spell reached maximum intensity across the Midwest on April 21-22, consecutive records included 26 and 29°F, respectively, in Springfield, MO, and 27°F both days in Moline, IL. The pattern repeated on April 22-23 in the East, where a pair of records was established in Charlotte, NC (32 and 31°F, respectively), and Charleston, WV (30 and 27°F, respectively). Meanwhile, lingering cold weather across the northern Plains and upper Midwest led to a daily-record lows for April 24 in Mobridge, SD (17°F), and Fargo, ND (18°F); Fargo had also reported lows below the 20-degree mark on April 20-21. By April 25, enough cold air lingered across the Great Lakes region to result in a dailyrecord low (21°F) in Eau Claire, WI. In fact, Eau Claire reported lows of 33°F or below each day from April 13-25, except the 23rd. Though much of the country slipped into a late-season cold spell, notable warmth prevailed southern Florida and the Far West. Yakima, WA, posted a daily-record high of 85°F on April 18. On the same date, record highs in California soared to 91°F in Sacramento and 90°F in Anaheim and Santa Rosa. Meanwhile in Florida, record-setting highs for April 19 reached 92°F in Miami and Fort Lauderdale. Less than a week later, building heat in the western Gulf Coast region resulted in daily-record highs for April 24 in McAllen, TX (103°F), and Lake Charles, LA (89°F).

Late in the month, abundant rains fell from Texas into the Northeast, while most of the country experienced several days of warm weather. In fact, hot, humid weather across the Deep South produced daily-record highs in locations such as Miami, FL (93°F on April 25), and Baton Rouge, LA (90°F on April 28). A couple of northward surges of warmth contributed to additional records. In Kansas, for example, record-setting highs for April 26 included 97°F in Hill City and 92°F in Colby. On April 27, Midwestern daily-record highs climbed to 87°F in Chicago, IL, and 86°F in Ottumwa, IA. Along the East Coast, Atlantic City, NJ, notched a daily-record high of 89°F on April 28. During the month's final days, warmth replaced previously cool conditions in the West. Riverside, CA, collected a pair of daily-record highs (98°F both days) on April 29-30. Elsewhere in California, record-setting highs for April 30 soared to 109°F in Palm Springs and 108°F in Thermal. With a high of 94°F on the 30th, Bishop, CA, tied a monthly record originally set on April 28, 2020. Other Western daily-record highs for April 30 included 88°F in Tonopah, NV; 86°F in Pocatello, ID; and 84°F in Salt Lake City, UT.

Meanwhile, heavy rain erupted late in the month across parts of Texas, lingering for several days. Record-setting totals in Texas for April 28 included 3.29 inches in Abilene and 2.55 inches in San Antonio. For Abilene, it was the wettest April day since April 26,

1914, when 3.39 inches fell. Heavy, late-month showers also spread across the Ohio Valley and lower Midwest, producing dailyrecord totals in Peoria, IL (3.05 inches), and Huntington, WV (1.90 inches). By April 29, when daily-record amounts included 2.46 inches in Binghamton, NY, and 1.49 inches in Midland, TX, showery weather continued in parts of Texas and shifted into the mid-Atlantic. At month's end, rainfall intensified along and near the Texas coast, where Victoria logged consecutive daily-record totals (2.69 and 5.01 inches, respectively) on April 30 – May 1. Elsewhere in Texas, daily-record rainfall totaled exactly 2.01 inches in San Antonio (on April 30) and Del Rio (on May 1). Four-day (April 28 – May 1) rainfall reached 7.72 inches in Victoria and 7.13 inches in San Antonio. The San Bernard River near Boling, TX, crested on May 2 at 15.7 feet above flood stage—but 10.1 feet below the high-water mark set in the August 2017 aftermath of Hurricane Harvey. Farther north, Binghamton, NY, received snowfall totaling 0.1 inch on April 30, following the previously mentioned deluge on the 29th. In the Northwest, however, latemonth showers were insufficient to prevent a record-dry April in locations such as Lewiston, ID (0.05 inch), and Portland, OR (0.39 inch). Previous records, both set in April 1956, had been 0.05 and 0.53 inch, respectively.

For much of the Alaskan mainland, April started as a wintry month but ended in spring-like fashion. With monthly snowfall of 16.7 inches, all of which fell during the first 4 days of the April, Fairbanks experienced its snowiest April since 1948. Fairbanks' snow depth—40 inches on the morning of April 4—was the greatest at any time of year in that location since February 15, 1993. Despite mid-month warming, Anchorage completed its coldest April since 2013, with a monthly average temperature of 34.8°F (2.0°F below normal). Anchorage noted a daily-record low of 4°F on April 10, followed by its second-earliest reading of 60°F or higher on April 19. (The earliest high temperature of 60°F or greater in Anchorage occurred on April 16, 1965.) As the warmth commenced, the snow depth in Anchorage decreased from 24 inches on the morning of April 12 to a trace just 10 days later, on the 22nd. Farther north, Fairbanks warmed from -29 to 64°F between April 10 and 18, while Bettles rose from -39 to 53°F between April 9 and 18. During the 23-day period ending the morning of April 27, Fairbanks reported a remarkable reduction in snow cover, from 40 inches to a trace. High temperatures in Fairbanks ranged from 63 to 65°F on April 18, 24, and 25. From April 16-19, Juneau collected four consecutive daily-record highs (58, 70, 68, and 65°F). Similarly, Yakutat tallied a trio of daily records (67, 64, and 60°F) from April 17-19. In southeastern Alaska, Juneau closed the month on April 29-30 with consecutive daily-record rainfall totals (0.81 and 0.76 inch, respectively). Ketchikan received 6.40 inches of rain during the last 4 days of April, aided by a daily-record sum of 3.72 inches on the 29th.

Following the overall wettest March in Hawaii since 2006, April was a drier-than-normal month at all major airport observation sites, with totals ranging from 0.44 inch (70 percent of normal) in Honolulu, Oahu, to 7.80 inches (68 percent) in Hilo, on the Big Island. The dry pattern became more established as the month progressed; Hilo received 5.60 inches of rain during the first 10 days of the month but only 2.20 inches from April 11-30. Around mid-month, unusually cool weather accompanied the mostly dry conditions. Kahului, Maui, experienced multiple daily-record lows, including readings of 58°F on April 12 and 16. On the Big Island, Hilo (61°F) also collected a daily-record low on April 12. Warmth eventually returned, with Hilo notching a daily record-tying high of 86°F on April 21. With relatively dry air in place across the islands, Kahului tied a daily-record low (59°F) on April 19—and narrowly (by 1°F) missed a daily-record high on the same date, reaching 88°F.

Fieldwork

Fieldwork summary provided by USDA/NASS

April was cooler than normal for most of the Great Plains, Mississippi Valley, Rockies, Southeast, and Texas. Large parts of these areas recorded temperatures 2°F or more below normal. In contrast, temperatures were warmer than normal for most of California, Great Lakes, Northeast, Pacific Northwest, and Southwest. Portions of these areas recorded temperatures 2°F or more above normal. Meanwhile, most of the nation was drier than normal during April, although above-normal precipitation was recorded in parts of Florida, New Mexico, Texas, the Great Lakes, southern Plains, and Deep South. The most significant amounts of rain fell along the Gulf Coast, where parts of Alabama, Louisiana, and Mississippi received rainfall totaling 10 inches or more.

By April 4, producers had planted 2 percent of the nation's corn, equal to both last year and the 5-year average. At that time, Texas was the furthest advanced with 55 percent planted. By April 18, producers had planted 8 percent of the nation's corn, 2 percentage points ahead of last year but equal to the average. Two percent of the nation's corn had emerged by April 18, one percentage point ahead of both last year and the average. The planting pace picked up during the week ending May 2; producers had planted 46 percent of the corn on that date, 2 percentage points behind last year but 10 points ahead of average. Sixty-nine percent of Iowa's intended corn acreage was planted by May 2, three percentage points behind last year but 24 points ahead of average. Eight percent of the nation's corn had emerged by May 2, one percentage point ahead of the previous year but 1 point behind the average.

Three percent of the nation's soybeans were planted by April 18, one percentage point ahead of both last year and the 5-year average. At that time, the Mississippi Delta was the most advanced in planting progress. Twenty-four percent of the nation's soybeans were planted by May 2, three percentage points ahead of last year and 13 points ahead of average. At that time, soybean planting progress was ahead of the 5-year average in 16 of the 18 estimating states.

By April 4, four percent of the nation's winter wheat was headed, 1 percentage point ahead of both last year and the 5-year average. By April 18, ten percent of the nation's winter wheat was headed, 3 percentage points behind the previous year and 4 points behind average. By May 2, twenty-seven percent of the nation's winter wheat was headed, 3 percentage points behind the previous year and 7 points behind average. On May 2, forty-eight percent of the 2021 winter wheat crop was reported in good to excellent condition, 7 percentage points below the same time last year. In Kansas, the largest winter wheat-producing state, 55 percent of the winter wheat acreage was rated in good to excellent condition.

Nationwide, 6 percent of the cotton was planted by April 4, one percentage point behind the previous year but 1 point ahead of the 5-year average. By April 18, eleven percent of the cotton was planted, equal to the previous year but 2 percentage points ahead of average. By May 2, sixteen percent of the cotton was planted, one percentage point behind the previous year but equal to the average. At that time, progress was furthest advanced in California and Arizona, with 65 and 63 percent planted, respectively.

By April 4, fourteen percent of the nation's sorghum was planted, one percentage point behind the previous year but equal to the 5-year average. Fifteen percent of the sorghum was planted by April 18, four percentage points behind both the previous year and the average. Twenty percent of the sorghum was planted by May 2, two percentage points behind the previous year and 4 points behind average. Texas had planted 66 percent of its sorghum acreage by May 2, three percentage points behind last year and 4 points behind average.

By April 4, producers had seeded 14 percent of the 2021 rice acreage, 2 percentage points behind the previous year and 4 points behind the 5-year average. By April 4, eight percent of the rice had emerged, 1 percentage point behind last year but equal to the

average. By April 18, producers had seeded 33 percent of the rice, 4 percentage points ahead of the previous year but 8 points behind average. At that time, progress was furthest advanced in Texas and Louisiana, with 79 and 74 percent planted, respectively. By April 18, sixteen percent of the nation's rice had emerged, 2 percentage points behind last year and 5 points behind average. By May 2, producers had seeded 64 percent of the nation's rice acreage, 16 percentage points ahead of the previous year and 4 points ahead of average. Progress was furthest advanced in Texas and Louisiana, with 91 and 84 percent planted, respectively. By May 2, thirty-eight percent of the nation's rice had emerged, 7 percentage points ahead of last year but 5 points behind average.

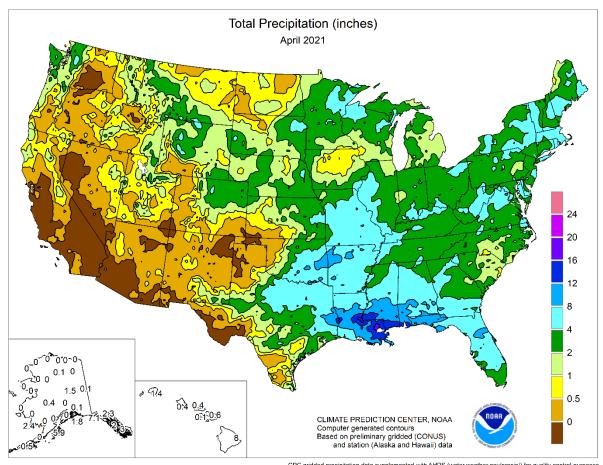
Nationally, oat producers had seeded 23 percent of this year's acreage by April 4, three percentage points behind the previous year and 5 points behind the 5-year average. Eighteen percent of the oats had emerged by April 4, six percentage points behind the previous year and 7 points behind average. Nationally, oat producers had seeded 50 percent of this year's acreage by April 18, twelve percentage points ahead of the previous year and 8 points ahead of average. Thirty-one percent of the oats had emerged by April 18, five percentage points ahead of last year and 3 points ahead of average. Nationally, oat producers had seeded 72 percent of this year's crop by May 2, seven percentage points ahead of the previous year and 10 points ahead of average. At that time, oat planting progress was at or ahead of the 5-year average in all nine estimating states. Forty-seven percent of the oat acreage had emerged by May 2, five percentage points ahead of last year and 4 points ahead of average.

Five percent of the nation's barley was planted by April 4, one percentage point ahead of both last year and the 5-year average. Twenty-six percent of the barley was planted by April 18, eleven percentage points ahead of last year and 8 points ahead of average. At that time, progress was furthest advanced in Washington and Idaho, with 74 and 46 percent planted, respectively. Fifty-three percent of the nation's barley was planted by May 2, fourteen percentage points ahead of last year and 12 points ahead of average. Progress was furthest advanced in Idaho and Washington, with 84 and 82 percent planted, respectively. Seventeen percent of the nation's barley had emerged by May 2, six percentage points ahead of the previous year and 1 point ahead of average.

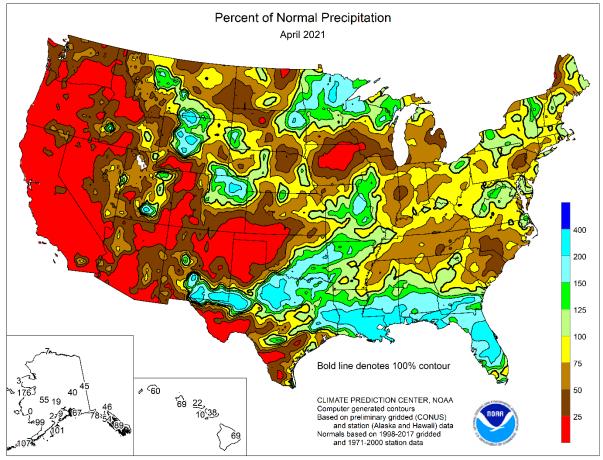
By April 4, three percent of the spring wheat was seeded, equal to last year but 1 percentage point ahead of the 5-year average. By April 18, nineteen percent of the spring wheat was seeded, 12 percentage points ahead of last year and 7 points ahead of average. At that time, progress was furthest advanced in Washington with 71 percent planted. By May 2, forty-nine percent of the nation's spring wheat was seeded, 22 percentage points ahead of last year and 17 points ahead of average. At that time, planting progress was ahead of the 5-year average in five of the six estimating states. By May 2, fourteen percent of the nation's spring wheat had emerged, 8 percentage points ahead of the previous year and 4 points ahead of average.

Nationally, producers had planted 2 percent of the 2021 peanut acreage by April 18, equal to both the previous year and the 5-year average. Eleven percent of the 2021 peanut acreage was planted by May 2, two percentage points behind the previous year and 4 points behind average. Producers in Florida had planted 28 percent of their intended acreage by May 2, two percentage points ahead of the previous year and 1 point ahead of average.

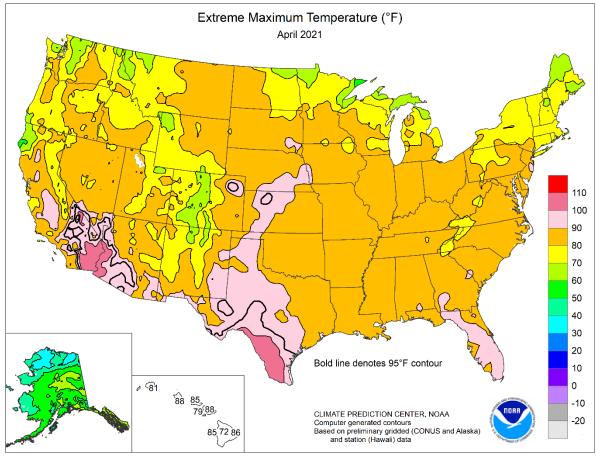
By April 4, four percent of the sugarbeet crop was planted, 1 percentage point ahead of last year and 2 points ahead of the 5-year average. By April 18, twenty-five percent of the sugarbeets were planted, 8 percentage points ahead of last year and 4 points ahead of average. By May 2, eighty-one percent of the sugarbeets were planted, 34 percentage points ahead of last year and 30 points ahead of average. Progress was furthest advanced in Michigan and Idaho, with 95 and 93 percent planted, respectively.

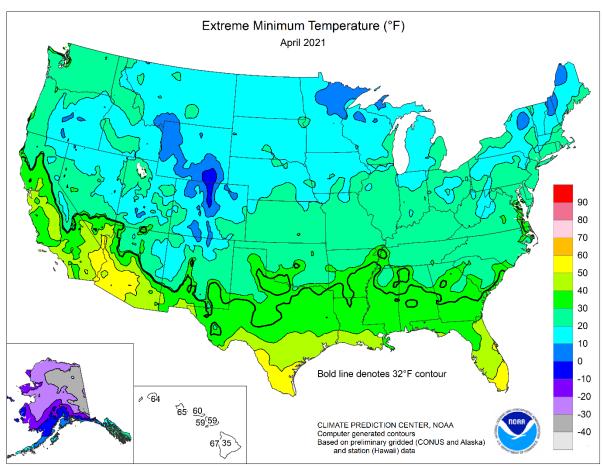


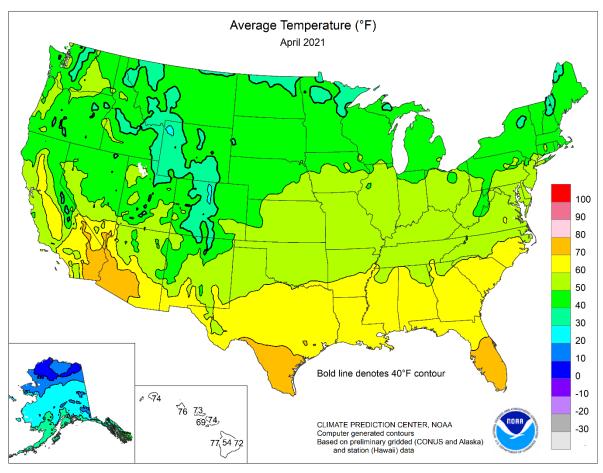
CPC gridded precipitation data supplemented with AHPS (water.weather.gov/precip/) for quality control purposes

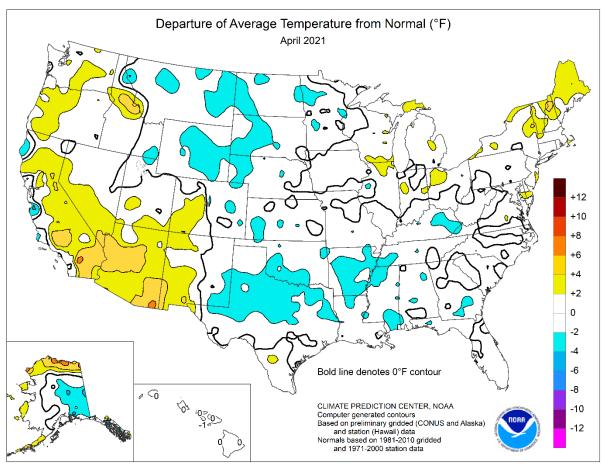


CPC gridded precipitation data supplemented with AHPS (water.weather.gov/precip/) for quality control purposes









National Weather Data for Selected Cities April 2021

Data Provided by Climate Prediction Center

		TEM	IP, *F	PR	ECIP.		TEM	P, *F	PR	ECIP.		TEN	IP, *F	PR	ECIP.
	STATES	Ж	RE		RE	STATES	GE	RE		RE	STATES	Ä	RE		RE
	AND	RAG	รรบเ	TOTAL	אדא	AND		אדר	TOTAL	אנדא	AND	RAG	אדר	TOTAL	אדא
	STATIONS	AVERAGE	<i>EPARTURE</i>	5	DEPARTURE	STATIONS	A VERA	DEPARTURE	5	DEPARTURE	STATIONS	AVERAGE	DEPARTURE	5	DEPARTURE
			7		7			7							7
AK	ANCHORAGE BARROW	35 6	-1 -1	0.18 0.01	-0.31 -0.18	WICHITA KY LEXINGTON	55 52	-1 -3	0.80 2.70	-1.78 -0.89	TOLEDO YOUNGSTOWN	52 50	3 1	2.77 2.67	-0.40 -0.67
	FAIRBANKS	28	-1 -5	1.36	1.01	LOUISVILLE	58	0	3.84	-0.16	OK OKLAHOMA CITY	57	-4	3.12	0.06
	JUNEAU	40	0	4.72	1.80	PADUCAH	58	0	4.24	-0.53	TULSA	60	-1	3.41	-0.37
	KODIAK	39	1	5.88	0.07	LA BATON ROUGE	66	-2	10.34	7.76	OR ASTORIA	49	0	1.32	-3.88
l	NOME	22	2	1.34	0.56	LAKE CHARLES	69	1	4.97	1.65	BURNS	45	1	0.52	-0.45
AL	BIRMINGHAM HUNTSVILLE	62 60	0 -2	4.80 3.02	0.40 -1.33	NEW ORLEANS SHREVEPORT	70 65	1	12.82 5.29	8.19 1.07	EUGENE MEDFORD	53 56	3	0.34 0.24	-2.99 -1.15
	MOBILE	64	-3	12.61	7.82	MA BOSTON	51	3	4.20	0.45	PENDLETON	51	1	0.24	-0.99
	MONTGOMERY	65	0	3.94	-0.07	WORCESTER	48	2	3.11	-1.00	PORTLAND	55	3	0.35	-2.37
AR	FORT SMITH	59	-2	6.98	2.66	MD BALTIMORE	56	3	2.06	-1.10	SALEM	54	3	0.99	-1.82
	LITTLE ROCK	60	-2	2.25	-2.90	ME CARIBOU	43	4 2	3.36	0.70	PA ALLENTOWN	51	1	1.16	-2.36
AZ	FLAGSTAFF PHOENIX	46 77	3 4	0.70 0.01	-0.47 -0.30	PORTLAND MI ALPENA	46 43	1	3.30 1.94	-1.04 -0.43	ERIE MIDDLETOWN	50 55	3	2.86 2.43	-0.44 -0.64
	PRESCOTT	56	4	0.07	-0.44	GRAND RAPIDS	48	0	1.76	-1.57	PHILADELPHIA	55	1	2.65	-0.88
	TUCSON	72	5	0.00	-0.34	HOUGHTON LAKE	44	1	0.70	-1.68	PITTSBURGH	51	0	2.39	-0.69
CA	BAKERSFIELD	67	4	0.18	-0.36	LANSING	49	1	1.66	-1.35	WILKES-BARRE	51	2	2.01	-1.31
	EUREKA	46	-4	0.69	-2.61	MUSKEGON TRAVERSE CITY	48	1	1.60	-1.28	WILLIAMSPORT	51	1	2.25	-0.98
	FRESNO LOS ANGELES	66 61	4 1	0.14	-0.83 -0.71	MN DULUTH	46 41	3 1	1.32 2.84	-1.44 0.43	RI PROVIDENCE SC CHARLESTON	50 65	1	3.10 1.30	-1.28 -1.59
	REDDING	62	4	0.44	-2.02	INT_L FALLS	40	0	3.36	1.81	COLUMBIA	63	0	0.78	-1.83
	SACRAMENTO	62	3	0.01	-1.15	- MINNEAPOLIS	48	0	2.45	-0.20	FLORENCE	63	0	0.16	-2.45
	SAN DIEGO	63	2	0.07	-0.72	ROCHESTER	46	0	0.80	-2.42	GREENVILLE	60	-1	1.90	-1.44
	SAN FRANCISCO STOCKTON	57 60	0	0.00 0.04	-1.30 -0.96	ST. CLOUD MO COLUMBIA	44 56	-1 1	3.15 5.13	0.58 0.64	SD ABERDEEN HURON	45 46	0 -1	2.57 1.16	0.71 -1.14
СО	ALAMOSA	42	1	0.04	-0.96	MO COLUMBIA KANSAS CITY	56	1	5.13 4.72	1.03	HURON RAPID CITY	46	-1 -2	0.91	-1.14 -0.89
	CO SPRINGS	47	0	0.75	-0.67	SAINT LOUIS	57	0	4.07	0.42	SIOUX FALLS	48	2	2.05	-0.94
	DENVER INTL	46	-1	1.81	0.09	SPRINGFIELD	55	-1	4.80	0.48	TN BRISTOL	54	-1	1.09	-2.23
	GRAND JUNCTION	53	1	0.30	-0.64	MS JACKSON	64	-1	7.26	2.29	CHATTANOOGA	61	0	1.59	-2.41
	PUEBLO	51	1	0.51	-0.91	MERIDIAN	64	1	6.87	2.09	KNOXVILLE	58	-1	1.18	-2.85
СТ	BRIDGEPORT HARTFORD	51 51	1	3.17 2.65	-0.97 -1.04	TUPELO MT BILLINGS	62 45	0 -1	5.80 1.25	1.00 -0.42	MEMPHIS NASHVILLE	61 59	-2 0	3.07 2.37	-2.42 -1.62
DC	WASHINGTON	58	1	2.16	-0.88	BUTTE	37	-2	0.45	-0.72	TX ABILENE	62	-2	4.87	3.22
DE	WILMINGTON	54	1	2.41	-1.08	CUT BANK	40	-1	0.35	-0.44	AMARILLO	55	-1	0.06	-1.35
FL	DAYTONA BEACH	69	0	3.64	1.47	GLASGOW	44	-1	0.42	-0.44	AUSTIN	69	0	3.41	1.33
	JACKSONVILLE	66	-1	4.87	2.24	GREAT FALLS	42 44	-2	1.10	-0.33	BEAUMONT	67 76	-1	1.28	-1.90
	KEY WEST MIAMI	79 77	2 2	1.10 2.81	-0.95 -0.30	HAVRE MISSOULA	44	-1 -1	0.44 0.45	-0.41 -0.76	BROWNSVILLE CORPUS CHRISTI	70	2	1.52 1.59	-0.04 -0.25
	ORLANDO	72	0	6.32	3.65	NC ASHEVILLE	55	0	1.83	-1.49	DEL RIO	74	2	1.10	-0.55
	PENSACOLA	67	0	10.23	5.90	CHARLOTTE	60	1	1.52	-1.50	EL PASO	67	3	0.24	-0.03
	TALLAHASSEE	65	-1	3.43	0.38	GREENSBORO	59	0	1.34	-2.19	FORT WORTH	64	-1	4.26	1.24
	TAMPA	74	2	3.30	1.27	HATTERAS	61	2	1.37	-2.25	GALVESTON HOUSTON	71	1	0.87	0.00
GA	WEST PALM BEACH ATHENS	76 62	2	2.35 2.81	-1.29 -0.31	RALEIGH WILMINGTON	60 64	0	0.92 0.74	-1.98 -2.07	LUBBOCK	69 59	-1 -1	2.54 0.20	-0.74 -1.21
	ATLANTA	63	1	3.74	0.39	ND BISMARCK	43	-1	0.66	-0.60	MIDLAND	61	-3	2.20	1.55
	AUGUSTA	63	0	1.56	-1.27	DICKINSON	42	0	0.05	-1.43	SAN ANGELO	64	-2	1.78	0.36
	COLUMBUS	63	-1	2.86	-0.68	FARGO	42	-2	1.58	0.23	SAN ANTONIO	71	1	5.89	3.80
	MACON	62	-1	1.16	-1.78	GRAND FORKS JAMESTOWN	41	-1	0.89	-0.15	VICTORIA	70	0	4.36	1.54
н	SAVANNAH HILO	72	0	2.50 8.01	-0.56 -3.52	NE GRAND ISLAND	42 51	1	0.29 0.52	-0.93 -2.00	WACO WICHITA FALLS	60	-2 -2	1.56 4.46	-1.11 1.86
1 "	HONOLULU	76	0	0.44	-0.21	LINCOLN	53	1	1.71	-0.99	UT SALT LAKE CITY	51	1	1.76	-0.24
1	KAHULUI	74	0	0.59	-0.98	NORFOLK	50	0	1.64	-0.99	VA LYNCHBURG	57	2	2.67	-0.63
1	LIHUE	74	0	1.36	-0.88	NORTH PLATTE	47	-1	1.47	-0.80	NORFOLK	61	2	2.66	-0.74
IA	BURLINGTON CEDAR BARIDS	53	-1 -1	4.91	1.16	OMAHA	53	1	1.20	-1.75	RICHMOND	58	0	1.34	-1.91 1.30
1	CEDAR RAPIDS DES MOINES	50 53	1	1.41 1.27	-1.62 -2.59	SCOTTSBLUFF VALENTINE	46 47	-1 0	0.84 2.17	-0.99 -0.06	ROANOKE WASH/DULLES	57 55	1	1.97 2.26	-1.39 -1.19
	DUBUQUE	49	1	1.90	-1.74	NH CONCORD	46	1	2.70	-0.69	VT BURLINGTON	48	3	4.11	1.30
	SIOUX CITY	49	0	1.43	-1.52	NJ ATLANTIC_CITY	53	2	2.59	-1.04	WA OLYMPIA	49	1	0.89	-2.64
1	WATERLOO	51	2	0.46	-3.26	NEWARK	54	1	2.16	-2.06	QUILLAYUTE	48	1	2.04	-5.83
ID	BOISE	52	1	1.15	-0.07	NM ALBUQUERQUE	57	1	0.36	-0.25	SEATTLE-TACOMA	53	3	1.02	-1.68 1.07
1	LEWISTON POCATELLO	54 45	3 -1	0.06 1.14	-1.27 -0.02	NV ELY LAS VEGAS	43 71	0 4	0.67 0.00	-0.31 -0.18	SPOKANE YAKIMA	49 52	2	0.21 0.04	-1.07 -0.51
IL	CHICAGO/O_HARE	52	3	0.71	-2.64	RENO	54	3	0.00	-0.49	WI EAU CLAIRE	46	0	1.56	-1.19
1	MOLINE	53	1	3.77	0.20	WINNEMUCCA	48	2	0.26	-0.67	GREEN BAY	47	3	1.63	-1.00
1	PEORIA	53	0	4.82	1.22	NY ALBANY	47	-1	3.84	0.68	LA CROSSE	50	2	1.33	-1.98
1	ROCKFORD SPRINGEIELD	52 54	3	1.54	-1.80 0.53	BINGHAMTON	45	0 2	4.85	1.44	MADISON	49 49	3	1.43	-1.94 2.54
IN	SPRINGFIELD EVANSVILLE	54 57	0	2.96 2.85	-0.53 -1.54	BUFFALO ROCHESTER	48 47	1	2.73 3.34	-0.27 0.62	MILWAUKEE WV BECKLEY	49 52	0	1.00 2.03	-2.54 -1.31
1 "	FORT WAYNE	50	0	2.92	-0.57	SYRACUSE	49	2	2.37	-0.80	CHARLESTON	54	-2	2.03	-1.00
1	INDIANAPOLIS	53	0	3.79	0.00	OH AKRON-CANTON	52	2	2.19	-1.32	ELKINS	49	-1	2.71	-1.07
1	SOUTH BEND	50	1	2.16	-1.06	CINCINNATI	54	0	2.95	-0.93	HUNTINGTON	55	-2	3.78	0.36
KS	CONCORDIA DODGE CITY	54 53	0 -1	1.64	-0.80 1.51	CLEVELAND	50 53	1	3.67	0.20	WY CASPER	41 41	-2	0.85	-0.44
1	DODGE CITY GOODLAND	53 48	-1 -1	0.31 0.90	-1.51 -0.70	COLUMBUS DAYTON	53 54	0	3.26 2.06	-0.13 -2.05	CHEYENNE LANDER	41 42	-2 -2	1.84 2.27	0.06 0.40
L	TOPEKA	55	-1	2.21	-1.31	MANSFIELD	52	3	3.04	-1.13	SHERIDAN	43	-2 -1	2.56	0.95

Based on 1981-2010 normals *** Not Available

National Agricultural Summary

May 3 - 9, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Most of the eastern half of the nation received above-normal precipitation. Large parts of the Great Lakes, mid-Atlantic, and South received at least twice the normal amounts of rain. Areas along the Gulf Coast, as well as parts of Alabama, Georgia, Kentucky, and Tennessee, recorded rainfall totaling 4 inches or more. While most of the western half of the country remained drier than normal, parts of the Rockies and northern Plains

recorded twice the normal precipitation. Meanwhile, most of the central and eastern U.S. were cooler than normal. Much of the Great Lakes region and northern Plains recorded temperatures 5°F or more below normal. In contrast, most of the western one-third of the nation was warmer than normal. Large parts of California and the Southwest recorded temperatures 5°F or more above normal.

Corn: By May 9, producers had planted 67 percent of the nation's corn crop, 2 percentage points ahead of last year and 15 points ahead of the 5-year average. Eighty-six percent of Iowa's intended corn acreage was planted by week's end, 3 percentage points behind last year but 21 points ahead of average. Twenty percent of the nation's corn acreage had emerged by May 9, two percentage points behind the previous year but 1 point ahead of average.

Soybean: Forty-two percent of the nation's soybean acreage was planted by May 9, six percentage points ahead of last year and 20 points ahead of the 5-year average. Soybean planting progress was ahead of the average pace in 17 of the 18 estimating states. Ten percent of the nation's soybean acreage had emerged by May 9, four percentage points ahead of last year and 6 points ahead of average.

Winter Wheat: By May 9, thirty-eight percent of the nation's winter wheat crop was headed, 4 percentage points behind the previous year and 8 points behind the 5-year average. On May 9, forty-nine percent of the 2021 winter wheat crop was reported in good to excellent condition, 1 percentage point above the previous week but 4 points below the same time last year. In Kansas, the largest winter wheat-producing state, 53 percent of the winter wheat crop was rated in good to excellent condition.

Cotton: Nationwide, 25 percent of the cotton crop was planted by May 9, five percentage points behind the previous year and 1 point behind the 5-year average. Progress was furthest advanced in Arizona and California, with both states reporting 75 percent planted.

Sorghum: Twenty-two percent of the nation's sorghum acreage was planted by May 9, five percentage points behind the previous year and 6 points behind the 5-year average. Texas had planted 68 percent of its sorghum acreage by May 9, seven percentage points behind last year and 8 points behind average.

Rice: By May 9, producers had seeded 74 percent of the nation's 2021 rice acreage, 7 percentage points ahead of the previous year and 3 points ahead of the 5-year average. Progress

was furthest advanced in Texas and Louisiana, with 92 and 87 percent planted, respectively. By May 9, fifty-two percent of the nation's rice acreage had emerged, 11 percentage points ahead of last year but 1 point behind average.

Small Grains: Nationally, oat producers had seeded 85 percent of this year's acreage by May 9, nine percentage points ahead of the previous year and 12 points ahead of the 5-year average. Oat planting progress was at or ahead of average in all nine estimating states. Sixty percent of the nation's oats had emerged by May 9, seven percentage points ahead of last year and 6 points ahead of average. On May 9, forty-seven percent of the nation's oats were rated in good to excellent condition, 22 percentage points below the same time last year.

Seventy-one percent of the nation's barley crop was planted by May 9, fourteen percentage points ahead of last year and 11 points ahead of the 5-year average. Progress was furthest advanced in Idaho and Minnesota, with 95 and 89 percent planted, respectively. Thirty-two percent of the nation's barley had emerged by May 9, ten percentage points ahead of the previous year and 4 points ahead of average.

By May 9, seventy percent of the nation's spring wheat crop had been seeded, 30 percentage points ahead of last year and 19 points ahead of the 5-year average. Planting progress was ahead of the average pace in all six estimating states. By May 9, twenty-nine percent of the nation's spring wheat had emerged, 14 percentage points ahead of the previous year and 9 points ahead of average.

Other Crops: Nationally, producers had planted 23 percent of the 2021 peanut acreage by May 9, two percentage points behind the previous year and 7 points behind the 5-year average. Producers in Georgia, the largest peanut-producing state, had planted 22 percent of the 2021 intended acreage by week's end, 4 percentage points behind the previous year and 11 points behind average.

By May 9, ninety-seven percent of the nation's sugarbeet crop had been planted, 39 percentage points ahead of last year and 26 points ahead of the 5-year average.

Crop Progress and ConditionWeek Ending May 9, 2021

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

	Prev	Prev	May 9	5-Yr
	Year	Week	2021	Avg
CO	48	26	41	36
IL	66	54	74	61
IN	48	32	46	40
IA	89	69	86	65
KS	58	36	54	55
KY	64	61	71	58
MI	33	29	46	19
MN	87	60	85	53
МО	64	50	69	74
NE	76	42	71	57
NC	88	79	90	87
ND	7	14	36	24
ОН	30	22	27	29
PA	4	17	33	23
SD	49	25	66	30
TN	65	65	75	76
TX	82	68	76	77
WI	55	27	49	34
18 Sts	65	46	67	52

of last year's corn acreage.

Soybea	Soybeans Percent Planted											
	Prev	Prev	May 9	5-Yr								
	Year	Week	2021	Avg								
AR	32	38	48	41								
IL	41	41	57	25								
IN	35	24	36	21								
IA	67	43	67	30								
KS	21	11	27	12								
KY	32	26	32	16								
LA	66	24	40	64								
МІ	32	27	42	11								
MN	54	23	65	25								
MS	49	54	64	55								
МО	13	10	21	17								
NE	51	20	47	26								
NC	16	19	26	15								
ND	4	2	17	11								
ОН	22	17	20	13								
SD	21	8	32	10								
TN	19	15	25	17								
WI	32	16	34	14								
18 Sts	36	24	42	22								
These 18 State	s plant	ed 96%										
of last year's	soybear	n acreag	e.									

ev 8 21 12 29 27 40 3 28 30 27 70	Prev Week 0 14 8 2 14 29 2 1 15 2	May 9 2021 5 35 18 22 26 46 5 8 40 12	5-Yr Avg 5 28 13 18 28 36 2 13 46								
8 21 12 29 27 40 3 28 30 27	0 14 8 2 14 29 2 1	5 35 18 22 26 46 5 8	5 28 13 18 28 36 2 13								
21 12 29 27 40 3 28 30 27	14 8 2 14 29 2 1 15	35 18 22 26 46 5 8	28 13 18 28 36 2 13 46								
12 29 27 40 3 28 30 27	8 2 14 29 2 1 15	18 22 26 46 5 8	13 18 28 36 2 13 46								
29 27 40 3 28 30 27	2 14 29 2 1 15	22 26 46 5 8	18 28 36 2 13 46								
27 40 3 28 30 27	14 29 2 1 15	26 46 5 8 40	28 36 2 13 46								
40 3 28 30 27	29 2 1 15	46 5 8 40	36 2 13 46								
3 28 30 27	2 1 15	5 8 40	13 46								
28 30 27	1 15	8	13 46								
30 27	15	40	46								
27			_								
	2	12	16								
70		12									
	60	77	69								
0	0	0	2								
3	4	9	8								
0	0	1	6								
6	0	3	3								
41	35	52	53								
68	57	58	64								
3	0	5	3								
22	8	20	19								
lant	ed 92%	·									
TN 41 35 52 53 TX 68 57 58 64 WI 3 0 5 3											

Soybeans Percent Emerged												
	Prev	Prev	May 9	5-Yr								
	Year	Week	2021	Avg								
AR	17	20	34	26								
IL	9	7	23	5								
IN	6	4	12	3								
IA	5	0	6	2								
KS	5	NA	3	2								
KY	15	6	17	5								
LA	44	14	22	44								
MI	2	1	4	1								
MN	4	0	0	1								
MS	28	33	50	38								
МО	3	2	5	3								
NE	5	NA	3	2								
NC	5	3	9	5								
ND	0	NA	0	0								
ОН	2	4	7	1								
SD	1	NA	1	0								
TN	5	NA	8	2								
WI	0	0	4	0								
18 Sts	6	NA	10	4								
These 18 St	ates plant	ed 96%										
of last year's soybean acreage.												

Cotton Percent Planted												
	Prev	Prev	May 9	5-Yr								
	Year	Week	2021	Avg								
AL	38	17	27	41								
AZ	83	63	75	78								
AR	24	7	19	35								
CA	72	65	75	78								
GA	24	13	22	28								
KS	16	1	13	5								
LA	52	15	30	49								
MS	21	10	35	28								
МО	9	3	10	39								
NC	13	10	25	20								
ок	7	0	18	14								
sc	21	18	40	29								
TN	9	2	3	21								
TX	35	19	25	23								
VA	13	17	35	25								
15 Sts	30	16	25	26								
These 15 Stat	es plant	ed 99%		-								
of last year's	cotton a	creage.										

	Sorghum Percent Planted											
		Prev	Prev	May 9	5-Yr							
		Year	Week	2021	Avg							
СО		15	0	0	4							
KS		5	0	3	2							
NE		14	1	6	8							
OK		10	3	7	19							
SD		12	0	0	4							
TX		75	66	68	76							
6 Sts		27	20	22	28							
Thes	e 6 States	plante	d 100%									
of last year's sorghum acreage.												

Pear	nuts Per	cent P	lanted										
	Prev	Prev	May 9	5-Yr									
	Year	Week	2021	Avg									
AL	32	15	28	30									
FL	FL 38 28 36 42												
GA 26 9 22 33													
NC	12	7	14	16									
OK	5	0	15	21									
SC	35	19	43	31									
TX	14	0	8	18									
VA	11	21	40	19									
8 Sts 25 11 23 30													
These 8 States planted 96%													
of last year's nearly acreage													

Crop Progress and ConditionWeek Ending May 9, 2021

of last year's rice acreage.

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

Rice Percent Planted					
	Prev	Prev	May 9	5-Yr	
	Year	Week	2021	Avg	
AR	64	63	77	77	
CA	58	40	50	30	
LA	87	84	87	92	
MS	54	64	78	69	
MO	49	65	72	68	
TX	95	91	92	87	
6 Sts	67	64	74	71	

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

Winter Wheat Percent Headed						
	Prev	Prev	May 9	5-Yr		
	Year	Week	2021	Avg		
AR	81	69	76	90		
CA	87	70	90	90		
со	10	0	0	7		
ID	4	1	2	4		
IL	38	21	58	48		
IN	20	5	22	28		
KS	36	12	28	46		
МІ	0	0	0	0		
МО	57	31	57	61		
МТ	0	0	0	0		
NE	1	0	3	5		
NC	90	60	85	85		
ОН	3	2	9	11		
ок	80	64	80	85		
OR	17	8	22	10		
SD	0	0	0	0		
TX	87	65	76	83		
WA	8	1	3	9		
18 Sts 42 27 38 46						
These 18 States planted 90%						
of last year's v	vinter w	heat acr	eage.			

Spring Wheat Percent Planted						
	Prev	Prev	May 9	5-Yr		
	Year	Week	2021	Avg		
ID	90	81	93	81		
MN	37	72	97	52		
MT	48	33	53	52		
ND	25	42	66	42		
SD	73	81	91	72		
WA	95	86	88	85		
6 Sts	40	49	70	51		
These 6 States planted 100%						
of last year's s	of last year's spring wheat acreage.					

Rice Percent Emerged						
	Prev	Prev	May 9	5-Yr		
	Year	Week	2021	Avg		
AR	39	32	54	59		
CA	4	5	10	3		
LA	82	77	80	86		
MS	28	39	56	48		
МО	29	48	62	47		
TX	90	72	77	80		
6 Sts	41	38	52	53		
These 6 States planted 100%						

Winter Wheat Condition by					
Percent					
	VP	Р	F	G	EX
AR	0	6	33	50	11
CA	0	15	25	30	30
СО	12	18	42	25	3
ID	0	3	39	48	10
IL	6	7	17	52	18
IN	1	3	23	58	15
KS	4	12	31	45	8
МІ	2	4	23	58	13
МО	0	5	32	56	7
MT	4	19	28	44	5
NE	5	12	42	37	4
NC	3	11	36	46	4
ОН	1	2	18	59	20
ОК	3	9	29	53	6
OR	16	26	25	30	3
SD	4	16	39	40	1
TX	8	23	39	22	8
WA	1	6	32	58	3
18 Sts	5	13	33	42	7
Prev Wk	6	13	33	42	6
Prev Yr	5	11	31	45	8

Spring Wheat Percent Emerged					
	Prev	Prev Prev		5-Yr	
	Year	Week	2021	Avg	
ID	38	42	55	43	
MN	10	19	50	18	
MT	22	6	20	20	
ND	3	6	20	11	
SD	33	46	60	41	
WA	80	63	65	62	
6 Sts	15	14	29	20	
These 6 States planted 100%					

of last year's spring wheat acreage.

Sugarbeets Percent Planted					
	Prev	Prev	May 9	5-Yr	
	Year	Week	2021	Avg	
ID	86	93	95	89	
MI	84	95	98	72	
MN	51	79	99	66	
ND	33	66	95	66	
4 Sts	58	81	97	71	
These 4 States planted 85%					
of last year's sugarbeet acreage.					

Barley Percent Planted						
	Prev Prev		May 9	5-Yr		
	Year	Week	2021	Avg		
ID	89	84	95	85		
MN	35	63	89	45		
MT	60	38	58	59		
ND	19	39	64	38		
WA	93	82	85	73		
5 Sts	57	53	71	60		
These 5 States planted 81%						
of last year's barley acreage.						

Barley Percent Emerged					
		Prev	Prev	May 9	5-Yr
		Year	Week	2021	Avg
ID		43	41	57	52
MN		19	6	41	16
MT		18	6	22	25
ND		1	5	15	9
WA		66	58	61	51
5 Sts		22	17	32	28
These 5 States planted 81%					
of last year's barley acreage.					
·	•	•	•	•	

Week Ending May 9, 2021

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

Oats Percent Planted					
	Prev Prev May				
	Year	Week	2021	Avg	
IA	97	95	98	93	
MN	76	69	89	62	
NE	90	92	97	87	
ND	27	20	52	38	
ОН	77	81	85	74	
PA	58	72	78	77	
SD	86	74	89	72	
TX	100	100	100	100	
WI	71	68	82	56	
9 Sts	76	72	85	73	
These 9 States planted 72%					
of last year's oat acreage.					

Oats Percent Emerged					
	Prev	Prev	May 9	5-Yr	
	Year	Week	2021	Avg	
IA	74	51	74	63	
MN	48	25	52	35	
NE	68	73	80	65	
ND	2	2	12	9	
ОН	45	54	66	47	
PA	38	55	60	58	
SD	45	31	57	47	
TX	100	100	100	100	
WI	34	33	48	27	
9 Sts	53	47	60	54	
These 9 States planted 72%					
of last year's oat acreage.					

	Oat Condition by					
		Perc	ent			
	VP	Р	F	G	EX	
IA	2	4	36	51	7	
MN	0	2	33	57	8	
NE	2	6	39	47	6	
ND	9	18	56	16	1	
ОН	0	3	43	50	4	
PA	0	0	30	69	1	
SD	3	15	41	41	0	
TX	7	25	30	36	2	
WI	1	2	27	54	16	
9 Sts	4	12	37	42	5	
Prev Wk	NA	NA	NA	NA	NA	
Prev Yr	1	2	28	59	10	

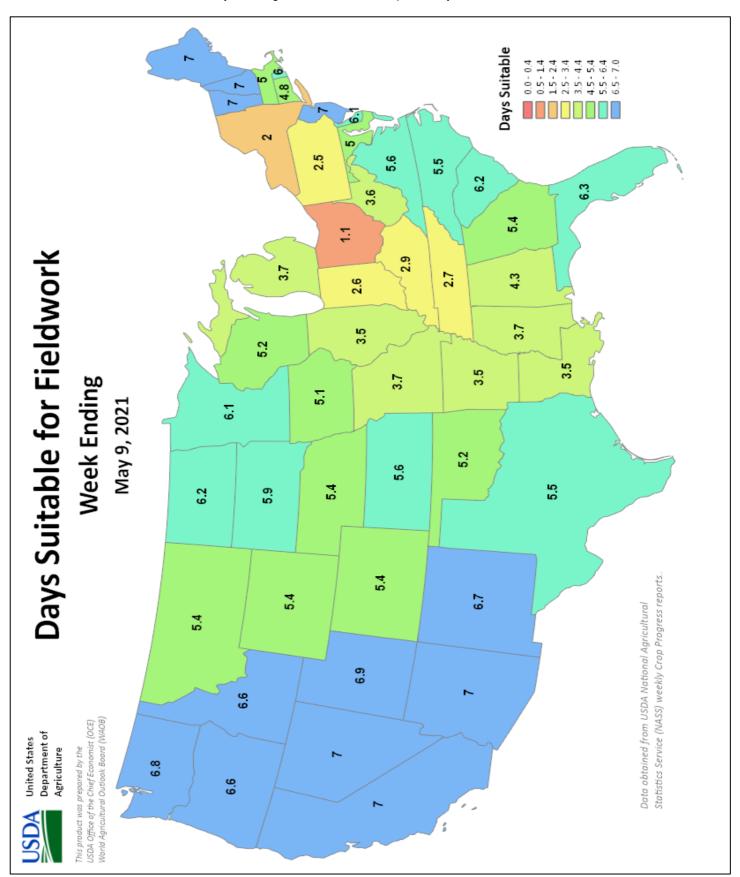
	Pasture and Range Condition by Percent										
Week Ending May 9, 2021											
	VP	Р	F	G	EX		VP	Р	F	G	EX
AL	1	2	19	75	3	NH	0	53	10	37	0
AZ	73	17	5	5	0	NJ	0	7	14	79	0
AR	2	8	47	37	6	NM	28	37	29	6	0
CA	25	20	35	20	0	NY	2	6	32	53	7
СО	23	26	43	8	0	NC	1	3	44	51	1
СТ	0	0	50	50	0	ND	44	31	19	6	0
DE	2	4	18	58	18	ОН	0	2	20	69	9
FL	1	20	41	33	5	ОК	4	8	41	42	5
GA	1	7	28	55	9	OR	28	17	41	13	1
ID	4	14	52	29	1	PA	0	4	31	50	15
IL	1	9	20	50	20	RI	0	10	80	10	0
IN	1	3	24	57	15	sc	2	16	33	42	7
IA	8	19	31	38	4	SD	9	41	34	16	0
KS	3	9	34	50	4	TN	1	6	30	50	13
KY	1	4	15	69	11	TX	16	30	31	20	3
LA	0	7	37	54	2	UT	27	44	26	3	0
ME	0	53	11	36	0	VT	0	0	0	50	50
MD	1	4	16	47	32	VA	1	9	35	48	7
MA	0	10	80	10	0	WA	32	23	35	9	1
MI	1	3	34	52	10	wv	1	5	25	63	6
MN	5	11	32	47	5	WI	1	6	31	46	16
MS	1	6	38	48	7	WY	18	29	31	21	1
МО	0	2	23	70	5	48 Sts	20	24	32	22	2
MT	28	26	32	13	1						
NE	4	12	36	43	5	Prev Wk	22	25	31	20	2 6
NV	10	10	75	5	0	Prev Yr	5	11	36	42	6

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

> NA - Not Available * Revised

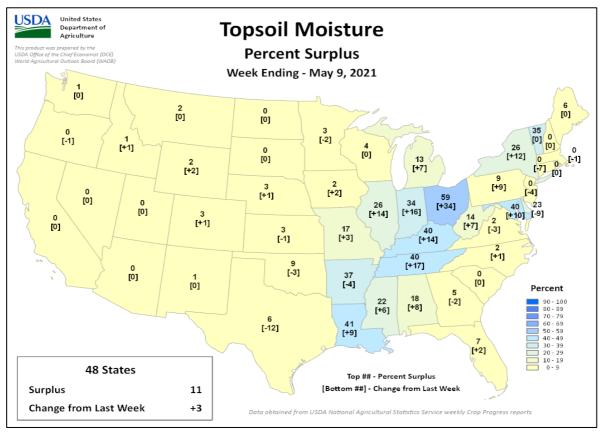
Week Ending May 9, 2021

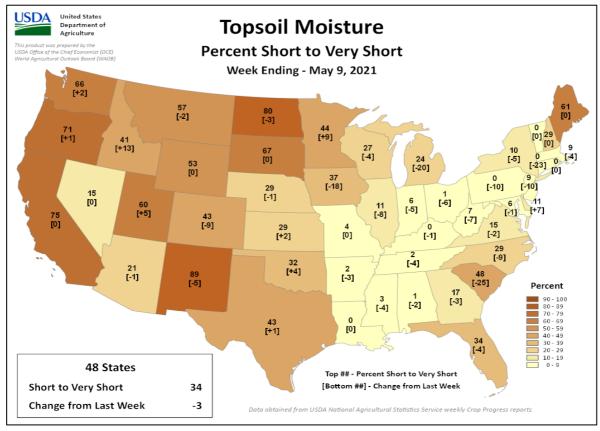
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Week Ending May 9, 2021

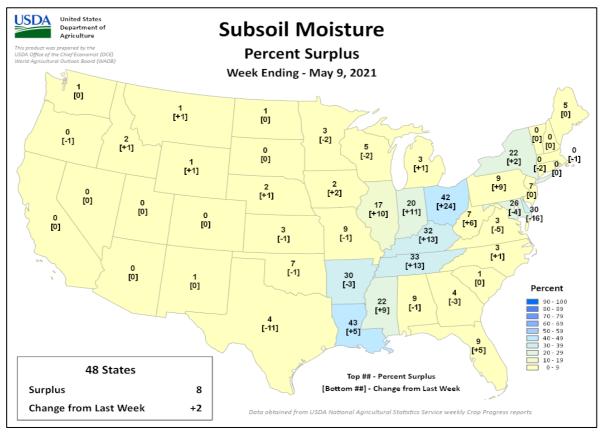
Weekly U.S. Progress and Condition Data provided by USDA/NASS

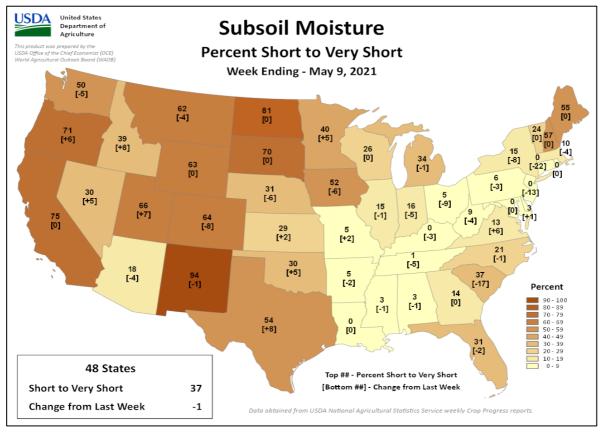




Week Ending May 9, 2021

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





International Weather and Crop Summary

May 2-8, 2021 International Weather and Crop Highlights and Summaries provided by USDA/WAOB

HIGHLIGHTS

EUROPE: Additional beneficial rain eased dryness concerns across much of northwestern Europe, though persistent cold weather slowed winter crop development.

WESTERN FSU: Cool, showery weather in Ukraine contrasted with drier, warmer conditions in southwestern Russia.

EASTERN FSU: Sunny skies and above-normal temperatures facilitated spring grain sowing and other seasonal fieldwork.

MIDDLE EAST: Heat and dryness in western growing areas contrasted with drought-easing rain in eastern Iran.

EASTERN ASIA: Showers benefited rice in southern China as well as recently-sown summer crops in the northeast.

SOUTHEAST ASIA: Pre-monsoon rainfall continued in Thailand and some of the surrounding areas, encouraging early wet-season rice sowing.

AUSTRALIA: Rain continued to favor winter crop planting and development in the west and east, while more rain would be welcome in parts of the south.

ARGENTINA: Showers slowed fieldwork in eastern farming areas.

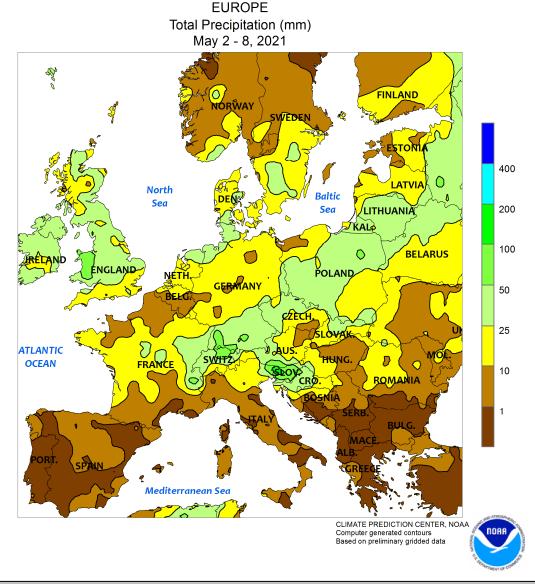
BRAZIL: Dry weather dominated large sections of Brazil, reducing moisture for normal development of second-crop corn.

MEXICO: Showers intensified over eastern sections of the southern plateau corn belt.

CANADIAN PRAIRIES: Spring crop planting progressed, as western farming areas received welcome rain.

SOUTHEASTERN CANADA: Cool, showery weather slowed vegetative growth of wheat and pastures.



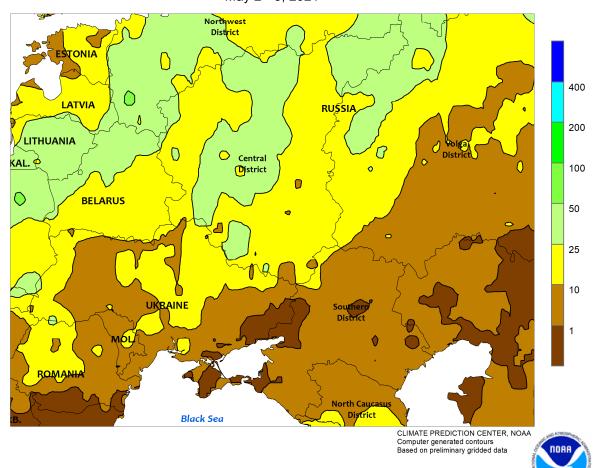


EUROPE

Additional beneficial rain eased dryness concerns, particularly in northwestern growing areas. A series of storm systems tracked from west to east across the continent, netting much of central and northern Europe 10 to 65 mm of rainfall for the week. The rain was especially welcome in England, France, and Germany, where pockets of moderate to severe short-term drought were taking a toll on early winter crop prospects. Despite this week's timely rain, short-term drought (60-day rainfall less than 50 percent of normal) lingered in parts of southeastern England as well as western and northern France. Temperatures across these same crop areas averaged 2 to 6°C

below normal, continuing a cool trend that began in early March. Consequently, many of the continent's winter crops were developing one to two weeks behind average and three to four weeks behind last year's accelerated pace; winter wheat, barley, and rapeseed were still largely vegetative save for the climatologically warmer western growing areas where crops were reproductive. Conversely, dry, warm weather (2-5°C above normal) from Portugal and Spain eastward into the southern Balkans favored winter crop development on the heels of recent rainfall, with winter grains flowering to filling in Spain and Italy roughly on par with normal.

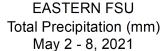
WESTERN FSU Total Precipitation (mm) May 2 - 8, 2021

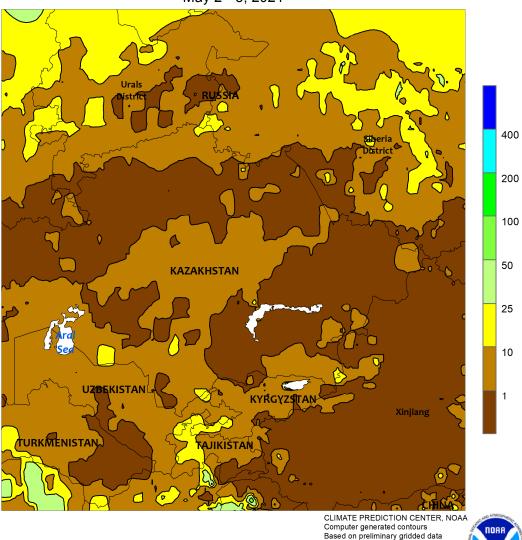


WESTERN FSU

Cool, showery weather across northern and western crop areas contrasted with dry, warmer conditions in southwestern Russia and environs. Another round of moderate to heavy rain (10-50 mm) was reported from Moldova and Ukraine northeastward into Belarus and northwestern Russia, maintaining abundant moisture supplies for vegetative winter crops but hampering spring grain sowing efforts. The cloudy, unsettled weather was accompanied by temperatures up to 3°C below normal, sustaining a slow rate of winter crop development; at week's end, Ukraine's winter wheat was approaching the jointing stage of development one week behind average and nearly three weeks behind last year's

accelerated pace. Conversely, drier, warmer weather in southwestern Russia (1-2°C above normal) favored spring grain and summer crop sowing as well as winter wheat development after recent heavy rain. In particular, year-to-date rainfall in Russia's southwestern Steppe Region — a primary winter wheat area — has averaged nearly 130 percent of normal, a vast improvement over the same time last year (70 percent of normal). Winter wheat in southern Russia was approaching the heading stage of development at week's end on par with normal, and moisture supplies remained favorable as the crop enters the key reproductive stages of development.



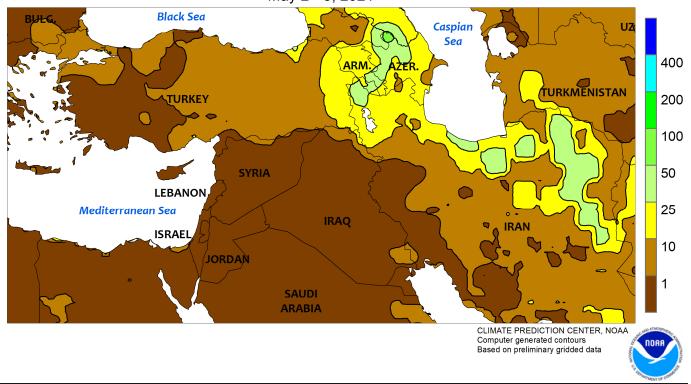


EASTERN FSU

Warm, dry conditions facilitated spring grain planting and other seasonal fieldwork. Rain during the monitoring period was mostly confined to northern- and eastern-most spring wheat areas of Russia, where 5 to 12 mm was reported. Otherwise, dry and very warm weather (3-9°C above normal) across the region's primary crop areas promoted the sowing of spring grains and summer crops. Pockets of short-term dryness have developed, with 60-day rainfall tallying less than 50 percent of normal from Kostanay in northwestern

Kazakhstan into the southern Urals District of Russia as well as from Pavlodar (eastern Kazakhstan) into western Altai Krai. It is still early in the spring grain and summer crop growing season, and the current dryness has largely been beneficial for fieldwork, although topsoil moisture has become limited. Farther south, mostly sunny skies and above-normal temperatures (3-6°C above normal) across central and eastern Uzbekistan and environs facilitated cotton sowing but hastened winter wheat toward maturity.

MIDDLE EAST Total Precipitation (mm) May 2 - 8, 2021

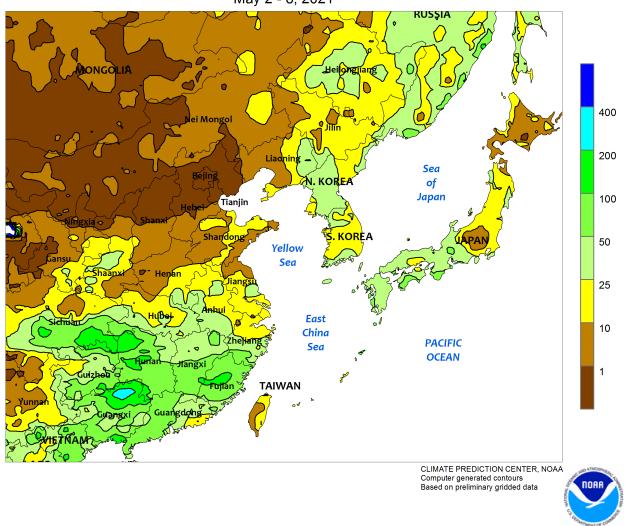


MIDDLE EAST

Heat and dryness in western and central growing areas contrasted with moderate to heavy rain in Iran. Temperatures during the 7-day monitoring period averaged 3 to 6°C above normal from Turkey southeastward into western Iraq and Saudi Arabia. This week's highs ranged from 30 to 36°C across much of Turkey, exacerbating the impacts of short-term dryness; rainfall since mid-April on Turkey's Anatolian Plateau has averaged a meager 30 percent of normal, which coupled with the coincident arrival of summer-like heat has been untimely for reproductive winter wheat and barley. The recent adverse weather in central Turkey has been compounded by extreme heat and drought in the GAP Region

of southeastern Turkey, which began in March. The extreme heat (35-39°C) extended from inland portions of the eastern Mediterranean Coast into Iraq, further reducing yield prospects for drought-afflicted winter grains, particularly in Syria. Meanwhile, moderate to heavy rain (10-75 mm) overspread much of northern and eastern Iran, easing short-term dryness in western growing areas and cutting into the severe drought in eastern Iran's Khorasan Province. While year-to-date rainfall in Khorasan improved from 40 to 70 percent of normal with this week's precipitation, the moisture arrived too late to offer much — if any — benefit to maturing winter barley and wheat.

EASTERN ASIA Total Precipitation (mm) May 2 - 8, 2021

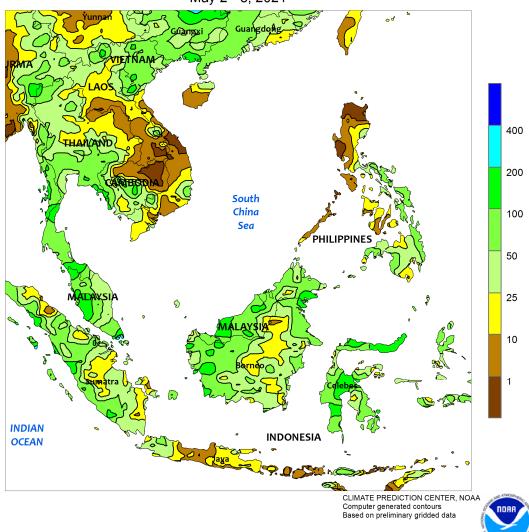


EASTERN ASIA

A wave of moisture moved through southern China early in the period, producing 50 to locally over 200 mm of rain that benefited reproductive early-crop rice. In addition, the wet weather provided some relief from severe drought in the southeast that dates to mid-October, but much more rain is needed to fully eradicate the rainfall deficits. Showers were lighter (25-50 mm) in the Yangtze Valley and on the North China Plain (1-25 mm), benefiting immature rapeseed and wheat. Meanwhile, rainfall (10-50 mm) in the northeast

boosted soil moisture for recently-planted corn, soybeans, and rice with similar amounts aiding rice establishment on the Korean Peninsula and southern Japan; 7-day average temperatures were sufficient (above 10°C) for rice sowing to begin in northern Japan. Elsewhere, cotton planting reportedly neared completion in western China despite some re-planting efforts due to a mid-April cold snap. Average temperatures have since rebounded and were 3 to 6°C above normal during the week.

SOUTHEAST ASIA Total Precipitation (mm) May 2 - 8, 2021

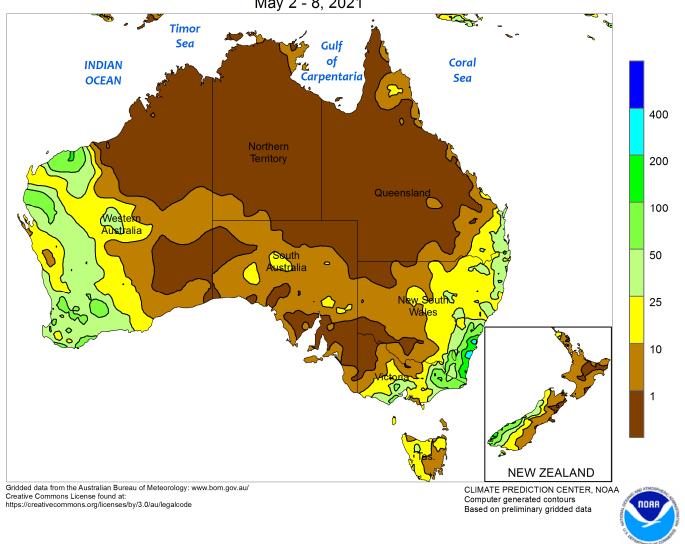


SOUTHEAST ASIA

Pre-monsoon showers continued across much of Thailand with most areas reporting 25 to 50 mm or more. The rainfall also extended into some of the northern environs, extending from eastern Burma to northern Vietnam. The moisture encouraged early rice sowing, although growers will typically await the onset of the wet season (typically beginning in the first half of May) before beginning widespread planting. Elsewhere, rainfall (25-100 mm) returned to the eastern and southern

Philippines after a brief lull, maintaining good moisture supplies for rice and other crops ahead of the main planting season. Meanwhile in southern portions of the region, wet weather (25-100 mm) throughout Malaysia and neighboring parts of Indonesia maintained or improved soil moisture for oil palm. Across oil palm areas, rainfall since October has been above normal and much improved over last year when some areas experienced moderate to severe drought.



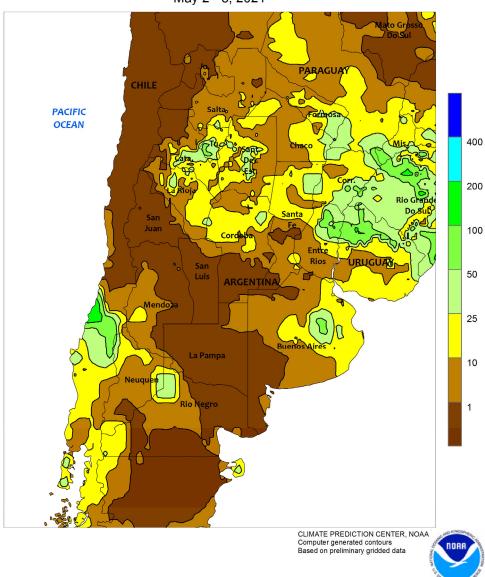


AUSTRALIA

In Western Australia, sunny skies and seasonably warm weather bookended soaking rain (20-60 mm) during mid-week, maintaining near ideal conditions for wheat, barley, and canola planting and early development. Similarly, widespread showers (10-30 mm) in southern Queensland and New South Wales sustained good early-season yield prospects for recently-sown winter grains and oilseeds, while periods of dry weather encouraged additional winter crop planting and continued summer crop harvesting. Elsewhere in the wheat belt, mostly

dry weather in northern Victoria and South Australia favored fieldwork, including winter crop planting. Although little rain has fallen here during the last 60 days, farmers reportedly have been dusting in crops in these areas. Rain will be needed soon to increase topsoil moisture and subsequently trigger more uniform winter crop germination and emergence. Temperatures averaged 2 to 3°C above normal in eastern Victoria and southern New South Wales, while elsewhere in the wheat belt temperatures averaged near normal.



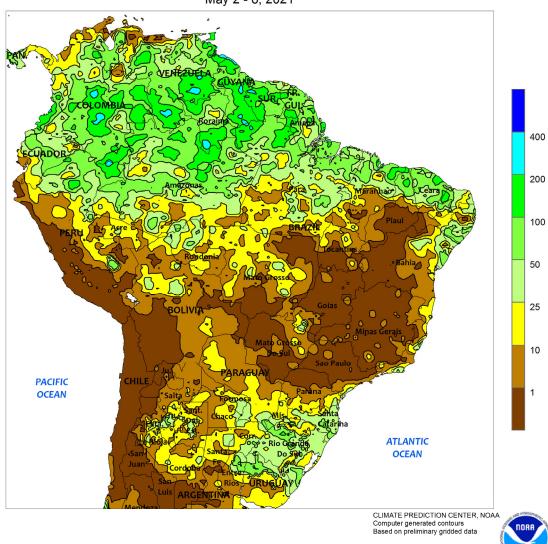


ARGENTINA

Showers returned to eastern farming areas, renewing delays in fieldwork and possibly impacting the quality of unharvested crops. Rainfall totaled 25 to 100 mm over much of Buenos Aires and the northeast (northern Entre Rios into southern Paraguay), reaching westward into eastern cotton areas of Santa Fe, Chaco, and Formosa. Light to moderate rain (less than 25 mm) fell elsewhere. Weekly average temperatures

were near to below normal throughout Argentina, with nighttime lows dropping below freezing in western Buenos Aires and La Pampa. According to the government of Argentina, corn harvesting reached 32 percent complete as of May 6, lagging last year by 9 points, and soybeans were 53 percent harvested (73 percent last year). Similarly, cotton was 33 percent harvested versus 57 percent last year.

BRAZIL
Total Precipitation (mm)
May 2 - 8, 2021

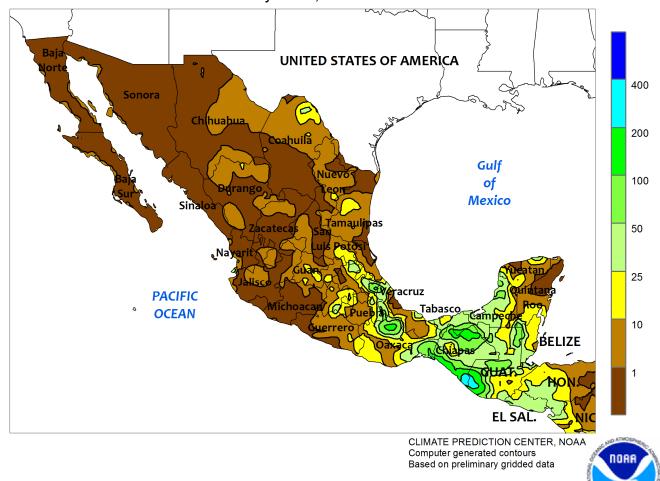


BRAZIL

Dry weather dominated many major farming areas of central, southern, and northeastern Brazil. Little to no rain fell from northern Parana northward to central Mato Grosso and Piaui, reducing moisture for second-crop corn and cotton. The dryness is typical for this time of year in Brazil's more northerly production areas but drier conditions in Mato Grosso do Sul and Parana are anomalous. According to the government of Parana, 47 percent of second-crop corn had reached reproduction as of May 3; wheat, meanwhile, was 6 percent planted. Elsewhere, scattered, mostly light showers

(2-25 mm) developed from central Parana southward through Rio Grande do Sul, and seasonal rainfall (10-100 mm, locally more) intensified along Brazil's northeastern coast. According to the government of Rio Grande do Sul, soybeans and corn were 87 and 84 percent harvested, respectively, as of May 6. Weekly temperatures averaged near to below normal throughout Brazil, but no freezes were recorded. Highest daytime temperatures reached the upper 20s and lower 30s (degrees C) in the aforementioned farming areas.



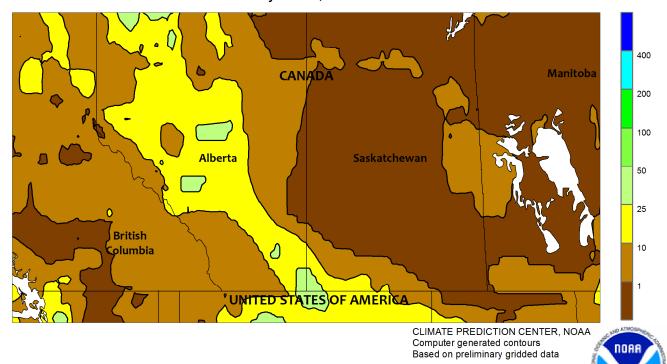


MEXICO

Showers intensified over Mexico's eastern farmlands, providing timely moisture for corn and other rain-fed summer crops. Though patchy in nature, rainfall totaled 5 to 50 mm from Guanajuato to Puebla, aiding corn germination and helping to condition fields for planting in locations recording the first rain of the season. Heavier rain (25-100 mm, locally higher) fell from eastern San Luis Potosi to northern Oaxaca, boosting moisture for summer crops that included sugarcane and soybeans. Meanwhile, heavy rain (50-150 mm) stretched from eastern Oaxaca and

Chiapas northeastward through Campeche, increasing irrigation reserves and providing moisture for coffee and various other crops. Elsewhere, showers were generally scattered and light; rain (5-25 mm, locally higher) concentrated over Coahuila and central Tamaulipas boosted reservoir levels while missing key winter grain areas. In addition, above-normal temperatures (daytime highs reaching the upper 30s and lower 40s degrees C) maintained high moisture requirements for livestock across the north (Tamaulipas westward to Sonora).

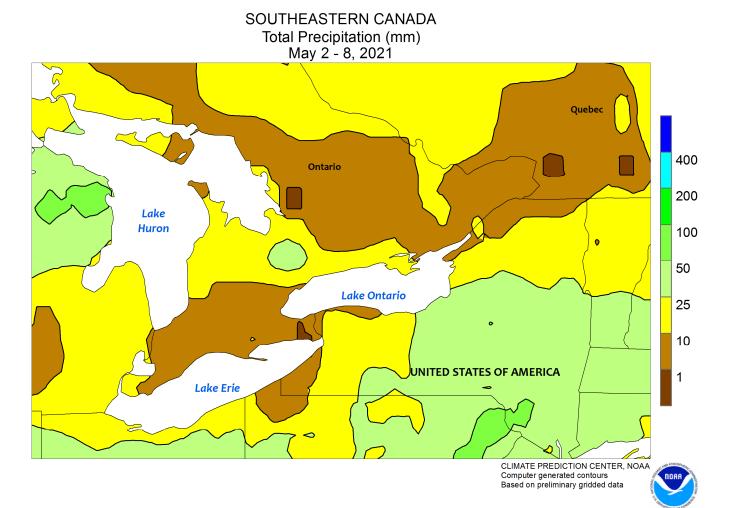
CANADIAN PRAIRIES Total Precipitation (mm) May 2 - 8, 2021



CANADIAN PRAIRIES

Spring crop planting was underway, aided by unseasonable dryness, though most locations are in need of moisture and warmth for germination. Manitoba and much of Saskatchewan recorded little to no rain (5 mm or less, most locations) and weekly temperatures averaged 2 to 4°C below normal (lowest temperatures ranging from -12 to -5°C). Farther west, dry weather initially supported fieldwork in Alberta and southwestern Saskatchewan before heavy showers (10-35 mm) halted progress at week's end. Weekly average temperatures in

Alberta ranged from near to slightly above normal in the Peace River Valley to as much as 2°C below normal elsewhere, with freezes still common and daytime highs only briefly reaching the lower 20s (degrees C). Cool weather was noted by the provincial governments as an impediment to planting and germination as was dryness; according to the *Canadian Drought Monitor*, large sections of the Prairies were experiencing drought as of April 30, including Extreme Drought (D3) in southern sections of Saskatchewan and Manitoba.



SOUTHEASTERN CANADA

Cool weather slowed vegetative growth of wheat and pastures as well as germination of corn and other early-planted spring and summer crops. Weekly temperatures averaged 1 to 2°C below normal throughout most of the region and freezes were common in many districts. According to the government of Ontario, frost damage to wheat and alfalfa was minor and not likely to impact yields.

Precipitation was generally light to moderate, though several locations in Ontario's central farming areas reported more than 25 mm, which could delay the advancement of corn planting. According to the *Canadian Drought Monitor*, all crop districts in Ontario and Quebec were drier than normal as of April 30, with Moderate Drought (D1) in southern sections of both provinces.

David Miskus Retires After Nearly 40 Years with NOAA

David Miskus, long-time NOAA employee and veteran *Weekly Weather and Crop Bulletin* editor and mapmaker, retired at the end of April 2021, after completing a nearly 40-year federal career. David first joined NOAA as a student trainee in 1980 and spent parts of several years moving between the Midwest and the Washington, D.C., area, while finishing his undergraduate degree (B.S. in Agricultural Meteorology) at Purdue University in 1981 and his master's degree (M.S. in Crop Physiology/Management and Remote Sensing) at the University of Missouri in 1985.

Following his 1985 graduation, David accepted a full-time job with NOAA's Climate Analysis Center (now the Climate Prediction Center), spending his entire federal career at various duty stations in Maryland and Washington, D.C. Between 1994 and 2016, David was awarded five U.S. Department of Commerce Bronze Medal Awards and an Administrator's Award.

From 1998 to 2009, David served as managing editor of the *Weekly Weather and Crop Bulletin*, seamlessly guiding the long-running publication into the digital era. The first Web-only *WWCB* was issued on July 7, 2009. As part of the transition, color maps were added.

David was also one of the first six lead authors of the *U.S. Drought Monitor*, remaining an author until the day of his retirement. During more than two decades of *USDM* authorship, David completed well over 100 three-day shifts, second only to NOAA colleague Richard Tinker. In addition, David served since 2002 as one of six Climate Prediction Center forecasters in the production of the U.S. Monthly and Seasonal Drought Outlooks, and since 2003 as a monthly *North American Drought Monitor* author. With decades of operational drought monitoring and forecasting experience, he was CPC's drought point of contact for numerous media, congressional, academic, and professional inquiries.



David and Beverley, his wife of 35 years, plan a fall 2021 move to Millsboro, Delaware, once their new retirement home is completed. Meanwhile, they plan to extensively travel across the United States, including visits to their daughter, Sara, a recent graduate of The Ohio State University (B.S. in Computer Science Engineering) who has accepted a job at Target Headquarters in Minneapolis. In 2022 and beyond, David and Beverly hope to be able to travel more freely and internationally.

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