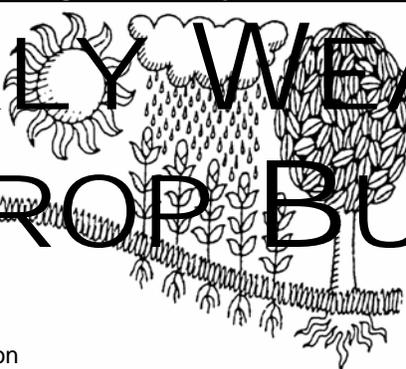
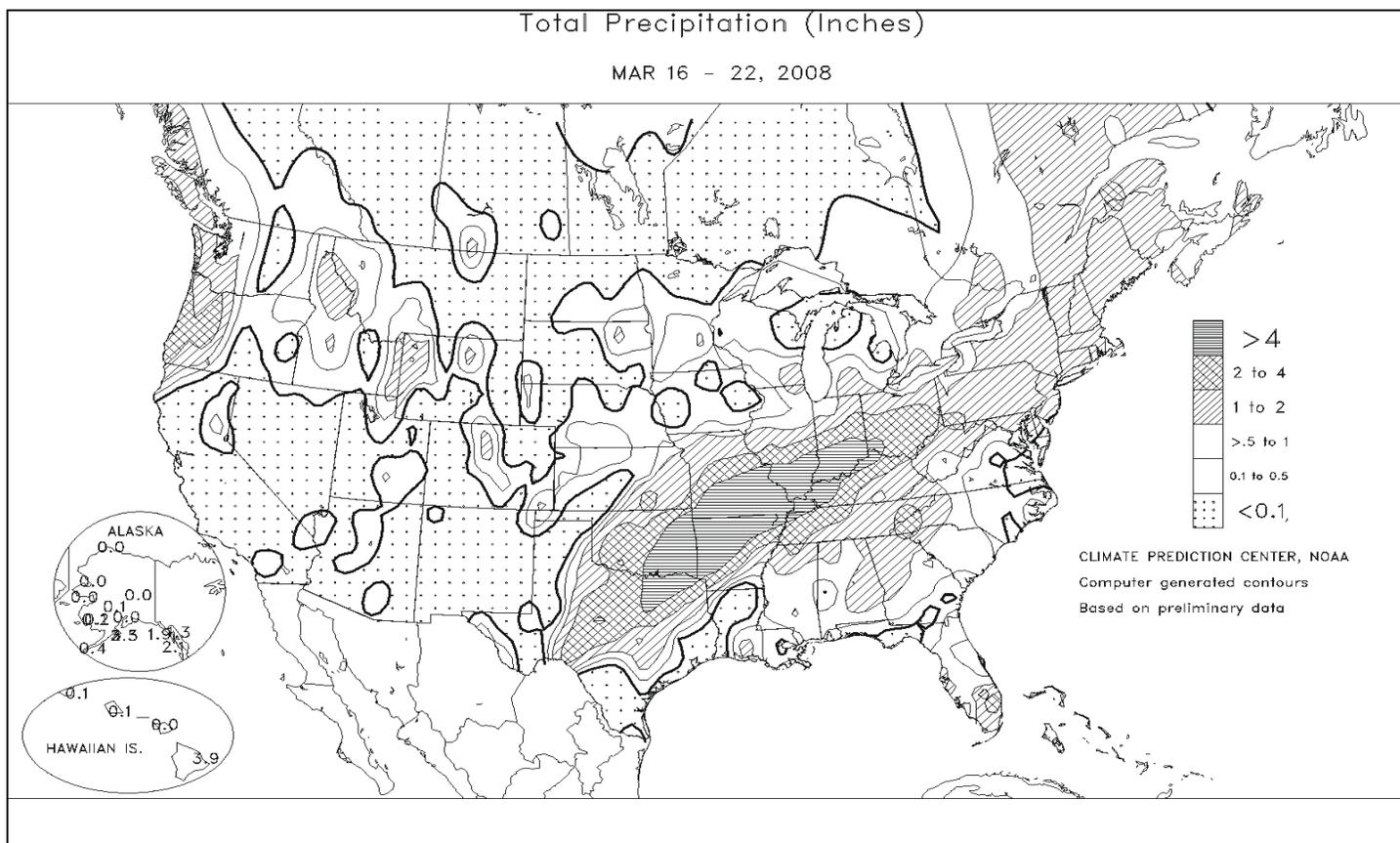


# WEEKLY WEATHER AND CROP BULLETIN



U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE  
National Agricultural Statistics Service  
and World Agricultural Outlook Board



## HIGHLIGHTS March 16 - 22, 2008

*Highlights provided by USDA/WAOB*

T orrential rainfall tightened the gradient between lingering **Southeastern** drought and extremely wet conditions stretching from the **southeastern Plains into New England**. Rainfall, most of which fell from March 17-19, totaled at least 4 inches and triggered widespread flooding from **northeastern Texas into the Ohio Valley**. Isolated totals in excess of 10 inches were observed in **northern Arkansas, southeastern Missouri, and southern Illinois**. By week's end, lowland flooding and soggy field conditions persisted from **northeastern Texas into the lower Midwest**, although water continued to

*(Continued on page 5)*

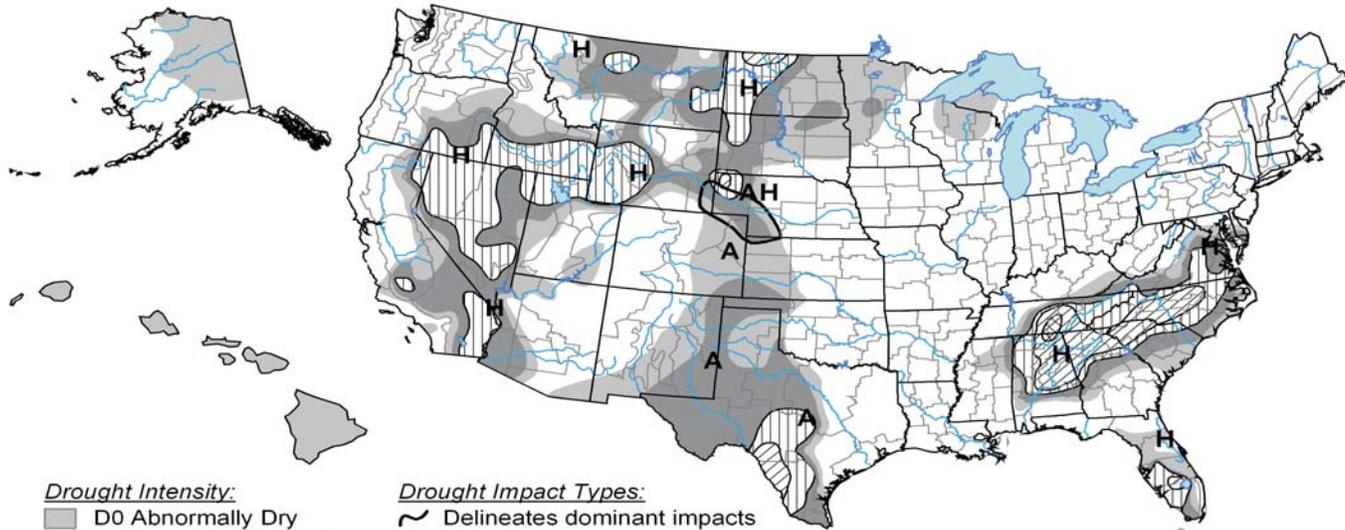
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# U.S. Drought Monitor

March 18, 2008

Valid 8 a.m. EDT



Drought Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types:

- Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary.

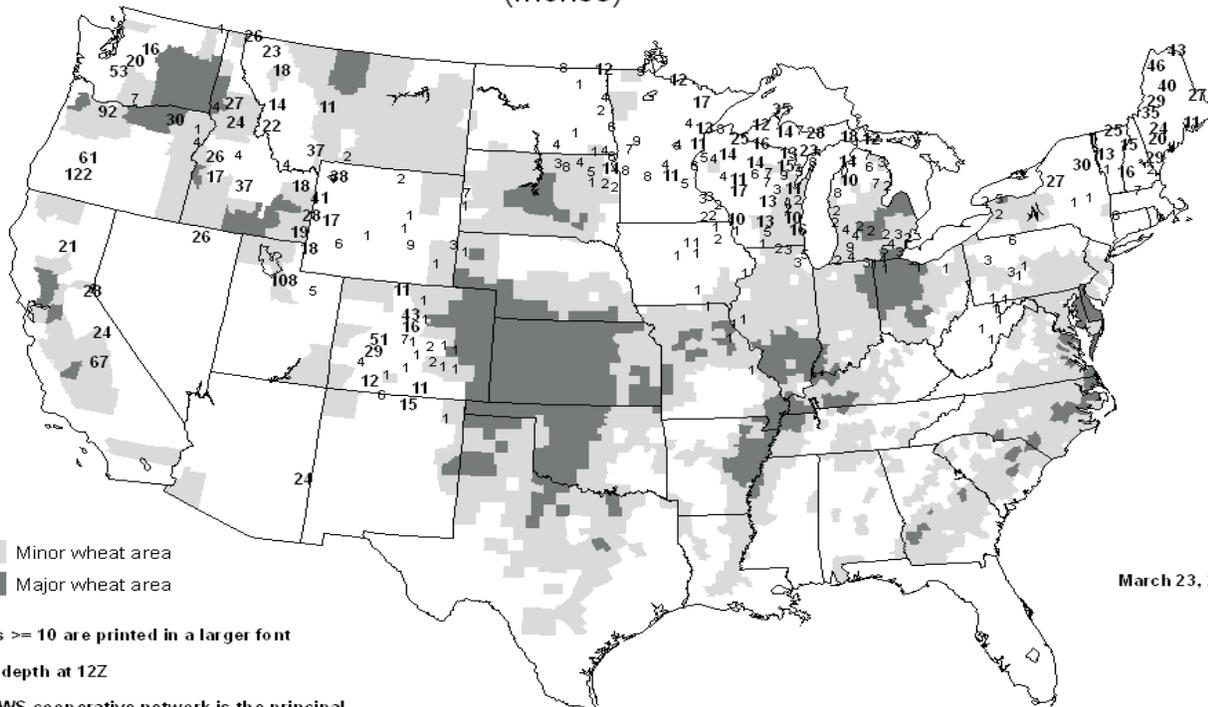


Released Thursday, March 20, 2008

Author: Mark Svoboda, National Drought Mitigation Center

<http://drought.unl.edu/dm>

## United States Snow Depth (Inches)



March 23, 2008

- Minor wheat area
- Major wheat area

Values >= 10 are printed in a larger font

Snow depth at 12Z

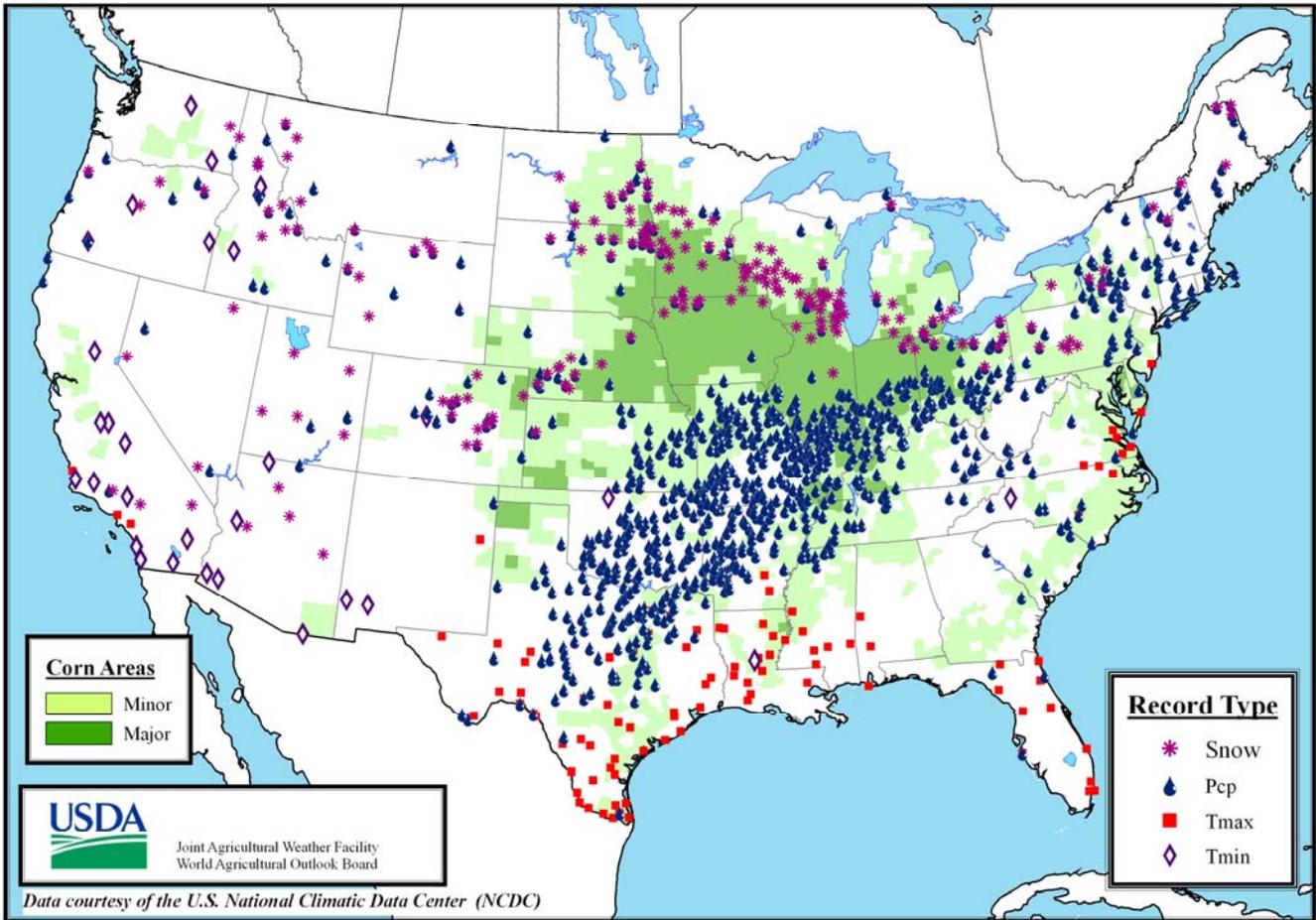
The NWS cooperative network is the principal source of the snow depth reports

**LAST CHART OF SEASON**

**NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY**

**Record Reports Map Makes *WWCB* Debut**

**Daily Weather Records (ASOS & COOP)**  
 March 16-22, 2008



Through a collaborative effort between the USDA and the United States’ National Climatic Data Center (NCDC), the *Weekly Weather and Crop Bulletin* will feature a new product: the Weather Record Reports map. The data are provided by the NCDC through their website (<http://www.ncdc.noaa.gov/>) and are subsequently queried and displayed using GIS software at the USDA. Specifically, daily weather records displayed include: snowfall (Snow), liquid precipitation (Pcp), maximum temperature (Tmax), and minimum temperature (Tmin).

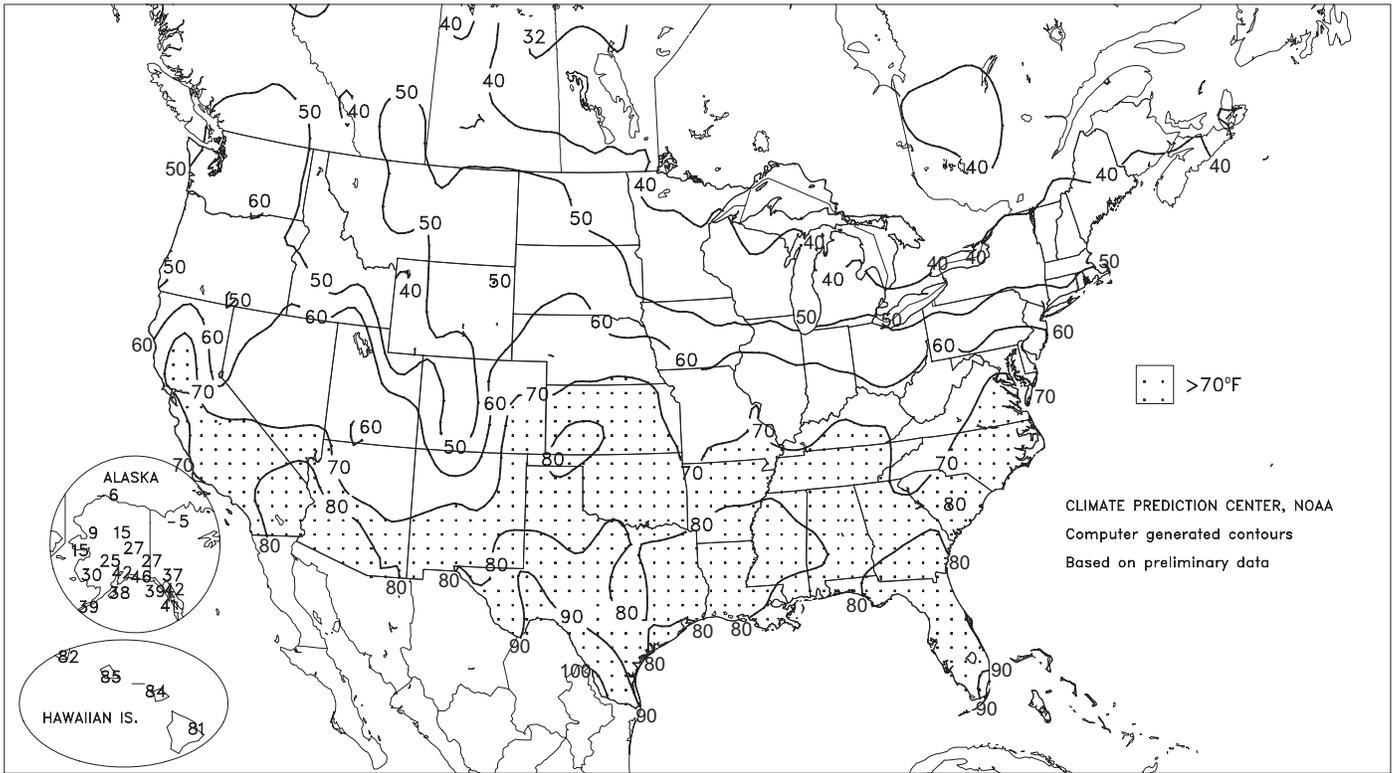
Values are provided for both the National Weather Service’s (NWS) primary weather stations, also known as ASOS (Automated Surface Observing Systems), and from NWS’ Cooperative Observer Program (COOP). COOP stations include more than 11,000 volunteers who take observations on farms, in urban and suburban areas, National Parks, seashores, and mountaintops. In contrast, ASOS stations are generally located at or near an airport. Both sets of data will be displayed, although cases may arise when only one set of values is used.

The past week featured a very active weather pattern, with 881 individual record reports. Nearly 500 of these were attributed to heavy rain (or liquid equivalent of snow), which corresponded to the widespread flooding that was observed in the nation’s mid-section. The highest daily value was an astounding 10.95 inches reported at the COOP station in Big Fork, AR. In addition, a late-winter storm is depicted by the numerous reports of daily record snowfall across western and northern portions of the Corn Belt, while incursions of extreme heat are evident by the daily maximum temperature records across the Deep South. Daily minimum temperature records were mostly confined to the western third of the nation, and out of 31 total, only 3 were reported at ASOS stations.

The map as well as summaries of data will be featured in the *WWCB* regularly, with more detailed maps provided on a case-by-case basis. The USDA wishes to extend its gratitude to the staff at NCDC for providing this data, and we hope readers of the *Bulletin* find this new product useful.

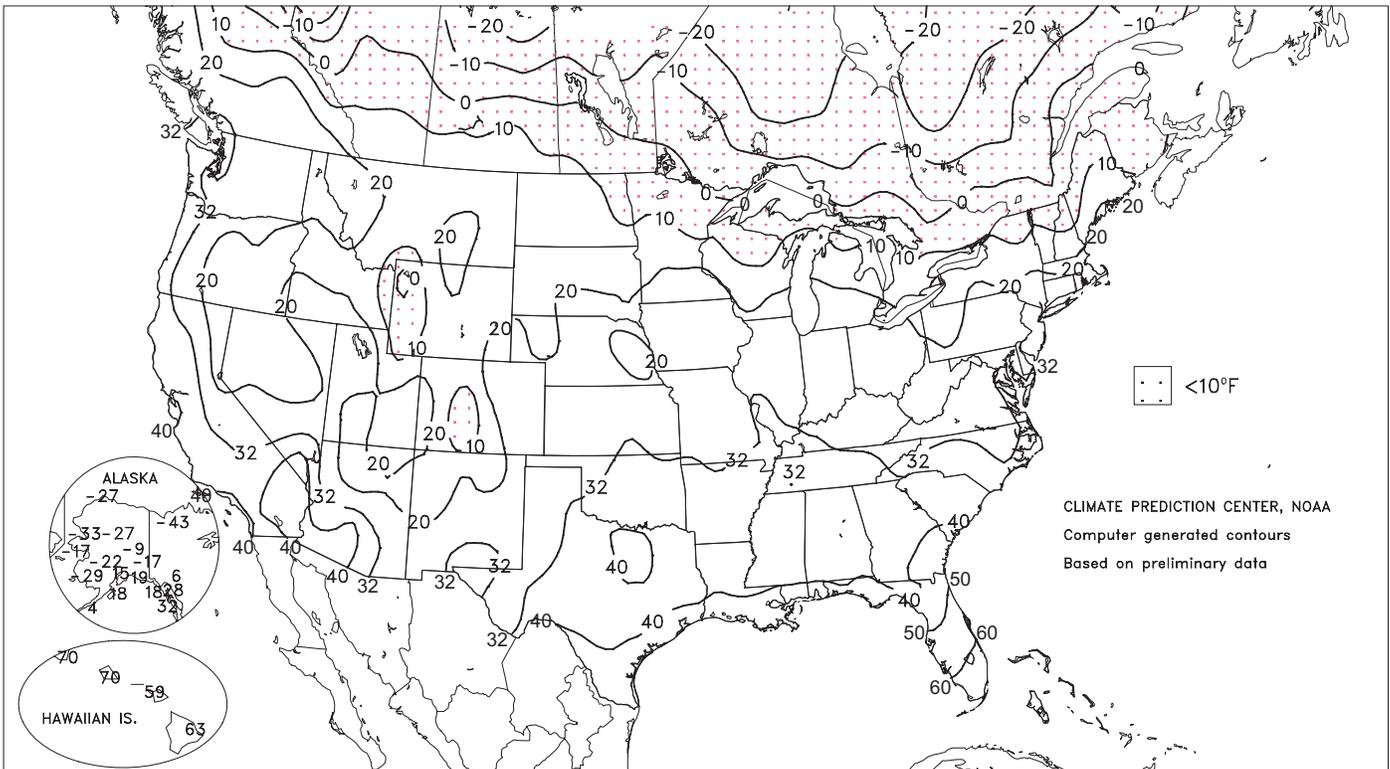
Extreme Maximum Temperature (°F)

MAR 16 - 22, 2008



Extreme Minimum Temperature (°F)

MAR 16 - 22, 2008



*(Continued from front cover)*

drain into main-stem basins such as the **Ohio and Mississippi Rivers**. However, recovery from the flooding was aggravated by low evaporation rates due to persistently cool weather. Meanwhile, fieldwork advanced with few delays in the **Southeast**, although scattered showers maintained generally favorable topsoil moisture levels for winter grains and emerging summer crops. Farther west, heavy rain soaked the **southeastern Plains** but largely bypassed **southern Texas** and the **central and southern High Plains**. As a result, general moisture conditions across the Hard Red winter wheat belt ranged from unfavorably dry on the **High Plains** to unusually wet on the **east-central and southeastern Plains**. Late in the week, a band of snow developed across the **nation's northern tier**, with some of the heaviest accumulations affecting the **northern Corn Belt**. Elsewhere, cool, persistently showery weather in the **Northwest** slowed the early-season development of winter grains, while mild, mostly dry weather in **California** and the **Southwest** promoted fieldwork and crop development.

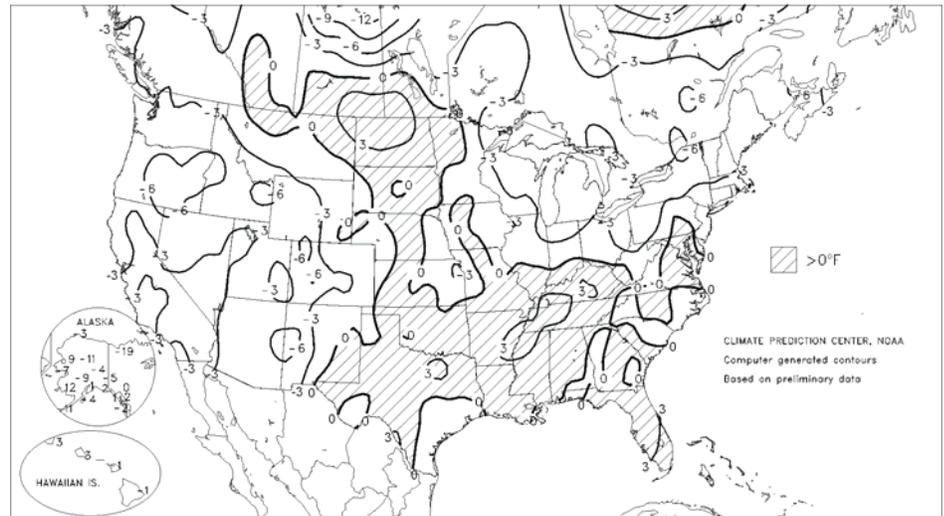
Early in the week, chilly weather in the **West** contrasted with above-normal temperatures in the **Southeast**. Daily-record lows for March 16 included 15°F in **Redmond, OR**, and 32°F in **Santa Maria, CA**. Lows were also set the following day, March 17, in **California** locations such as **Lancaster** (26°F) and **Santa Maria** (32°F for the second day in a row). In **Florida**, however, **Miami's** high of 91°F on March 16 was just 2°F shy of its monthly record of 93°F established on March 22, 2003. A day later, heavy rain erupted across the **south-central U.S.**, where record totals for March 17 included 2.05 inches in **San Angelo, TX**, and 1.86 inches in **Wichita, KS**. Farther north, a band of snow across **Nebraska** produced a daily-record total of 5.4 inches on March 17 in **North Platte**.

The 18<sup>th</sup> was the wettest March day on record at many locations, including **Evansville, IN** (6.40 inches); **West Plains, MO** (5.69 inches); **Harrison, AR** (4.77 inches); and **Springfield, MO** (3.93 inches). It was also **Evansville's** second-wettest day on record behind 6.50 inches on October 5, 1910. **Springfield's** daily rainfall record for March had stood since 1927, when 3.35 inches fell on March 31. Elsewhere in **Missouri**, a preliminary total of 11.48 inches of rain pelted **Cape Girardeau** on March 18, shattering both its daily and 24-hour rainfall records (6.73 inches on March 27, 1977, and 9.71 inches on May 26-27, 1973, respectively). In **Arkansas**, **Gilbert** (6.35 inches), also set a 24-hour rainfall record, while **Salem** (6.16 inches) had its second-wettest 24-hour period behind the rainfall total associated with a December 1982 flood event.

The **White River at Batesville Bridge and Newport, AR**, climbed to its highest level since December 1982. The river crested 12.00 feet above flood stage at **Batesville Bridge** on March 20, followed the next day by a crest 7.98 feet above flood stage at **Newport**. Farther west, the **Illinois River near Watts, OK**, surged 11.73 feet above flood stage on March 19, representing the highest water level there since May 3, 1990, when the river rose 12.08 feet above flood stage. In **Missouri**, record crests were established on March 19 along the **Black River at Poplar Bluff** (6.15 feet above flood stage; previously, 5.68 feet on December 4, 1982) and the **Gasconade River at Hazelgreen** (13.58 feet above flood stage; previously, 13.46 feet on December 3, 1982). Later, the **Big Muddy River near Murphysboro, IL**, swelled to 15.25 feet above flood stage on March 22, the highest crest there since May 2, 1996, when it was 15.70 feet above flood stage. Along

Departure of Average Temperature from Normal (°F)

MAR 16 - 22, 2008



the **Mississippi River, Cape Girardeau, MO**, reported a crest 9.04 feet above flood stage on March 24, marking the highest water level there since May 2002 and the eighth-highest crest on record.

Farther north, snow developed across the **Northwest** at mid-week and quickly spread into the **Midwest**. In **Washington, Spokane** (0.6 inch) received a daily-record snowfall for March 19. A day later, **Aberdeen, SD**, collected a daily-record total of 4.9 inches en route to a March 20-21 sum of 9.5 inches. Meanwhile, heavy snow also struck **northern New England**, where record totals for March 20 included 10.6 inches in **Caribou, ME**, and 9.0 inches atop **Mt. Mansfield, VT**. By March 21, additional **Midwestern** daily snowfall records reached 11.5 inches in **Milwaukee, WI**; 10.7 inches in **Sisseton, SD**; 7.6 inches in **Fargo, ND**; and 7.0 inches in **Muskegon, MI**. By week's end, **Caribou** achieved its snowiest season on record (186.3 inches; previously, 181.1 inches in 1954-55), while **Milwaukee** (96.9 inches) reached its second-highest seasonal total behind 109.8 inches in 1885-86. Similarly, **Grand Rapids, MI** (105.2 inches), attained its second-highest seasonal snowfall behind 132.0 inches in 1951-52.

Despite the recent storminess, some of the driest parts of **Texas** continued to experience wildfire activity. Through March 24, the year-to-date wildfire area in **Texas** reached 913,985 acres, far above the state total of 121,964 acres during all of 2007. Among the largest recent blazes were the 51,400-acre Porter fire (ignited on March 14; contained on March 17) south of **Fort Stockton** and the 25,600-acre Burns Ranch fire (started by power lines downed by high winds on March 18) north of **McAllen**. Farther west, late-week temperatures remained low in the **Northwest** but soared in **southern California**. On March 22, **Northwestern** daily-record lows included 8°F in **Meacham, OR**, and 18°F in **Burley, ID**. Meanwhile, daily-record highs for March 22 in **California** climbed to 93°F in **Anaheim** and 90°F in **Fullerton**.

Cold, mostly dry weather prevailed across the **Alaskan mainland**, while wet conditions affected the south-central and southeastern parts of the state. On March 20, **Umiat** (on the North Slope) posted a low of -50°F, while **Bethel** (in the southwest) tallied a daily-record low of -29°F. Meanwhile, 40.3 inches of snow blanketed **Whittier** in a 28-hour period on March 19-20. Weekly snowfall in **Kodiak** totaled 22.3 inches, with 15.3 inches falling on March 21-22. Farther south, **Hawaii's** long dry spell was broken in some windward locations by locally heavy showers. For example, weekly rainfall totaled 3.90 inches in **Hilo**, on the **Big Island**, and 25.10 inches on **Kauai's Mount Waialeale**, one of the world's wettest spots. Nearly 40 percent (10.02 inches) of **Mount Waialeale's** weekly rain fell in a 24-hour period on March 20-21.

**Agricultural Weather Data Compiled by USDA's Stoneville Field Office**

**Weather Data for the Week Ending March 22, 2008**

Data Provided by the Mississippi State Delta Research and Extension Center (DREC) and the University of Missouri Commercial Agriculture Program.

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							4-INCH SOIL TEMP. °F		NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE MAR01	PCT. NORMAL SINCE MAR01	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE		5.0 INCH OR MORE			
																		0.1 INCH OR MORE	5.0 INCH OR MORE				
MISSISSIPPI																							
ND TUNICA 1W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYON	70	45	79	35	58	-	0.76	-	0.63	4.06	-	9.36	-	62	52	0	0	2	1				
VANCE	69	46	80	34	58	-	0.56	-	0.56	3.95	-	-	-	64	53	0	0	1	1				
PERTSHIRE	69	46	78	34	58	-	0.14	-	0.13	2.71	-	9.92	-	67	51	0	0	2	0				
SCOTT	72	47	82	36	60	-	0.28	-	0.22	2.26	-	9.84	-	66	53	0	0	2	0				
SANDY RIDGE	71	48	80	36	60	-	0.30	-	0.30	2.81	-	11.88	-	-	-	0	0	1	0				
NE VERONA	70	45	76	34	58	-	0.73	-	0.73	3.29	-	8.25	-	65	50	0	0	1	1				
SD STONEVILLE x	72	47	83	36	60	5	0.24	-1.06	0.18	3.54	89	11.86	84	68	56	0	0	2	0				
INDIANOLA 1S*	72	48	82	38	60	-	0.75	-	0.66	2.35	-	9.07	-	68	-	0	0	2	1				
INVERNESS 5E	72	49	82	38	61	-	0.39	-	0.39	2.02	-	9.11	-	66	56	0	0	1	0				
SIDON	74	50	83	38	62	-	0.99	-	0.99	2.39	-	7.76	-	68	55	0	0	1	1				
NORTH ISSAQUENA	73	49	84	37	61	-	0.17	-	0.11	1.44	-	7.71	-	68	56	0	0	2	0				
SILVER CITY	73	50	84	39	62	-	0.63	-	0.63	2.35	-	11.28	-	65	50	0	0	1	1				
ONWARD	73	49	84	39	61	-	0.72	-	0.51	2.94	-	12.10	-	68	56	0	0	2	1				
MAYDAY	75	49	85	36	62	-	0.38	-	0.37	1.65	-	12.76	-	67	56	0	0	2	0				
MISSOURI																							
NW CORNING	53	32	69	22	43	1	0.32	-0.20	0.28	2.06	142	3.01	94	-	-	0	3	2	0				
ALBANY	52	34	65	25	43	1	0.43	-0.20	0.40	1.22	79	3.40	91	45	38	0	2	2	0				
ST. JOSEPH	52	34	68	24	43	0	0.89	0.33	0.88	1.82	132	4.56	140	-	-	0	1	2	1				
NC LINNEUS	52	35	64	28	43	1	1.15	0.66	1.15	2.39	160	6.07	163	45	39	0	1	1	1				
BRUNSWICK	52	36	65	29	44	0	1.76	1.28	1.75	2.93	187	6.19	135	48	41	0	1	2	1				
NE NOVELTY	50	34	63	29	42	-1	1.26	0.83	1.23	2.49	158	7.17	163	46	38	0	2	3	1				
MONROE CITY	50	34	65	30	42	-2	1.63	1.11	1.59	3.05	178	8.95	181	46	39	0	2	2	1				
WC GREEN RIDGE	54	36	68	30	45	1	1.58	1.01	1.22	3.23	181	7.76	143	50	41	0	1	2	1				
C AUXVASSE	53	36	67	30	44	1	2.21	1.63	1.43	4.04	224	9.53	175	48	41	0	1	2	2				
SANBORN FIELD	54	38	67	32	46	0	2.03	1.44	1.47	3.99	213	9.93	170	52	41	0	1	2	2				
WILLIAMSBURG	53	36	67	29	44	0	2.06	1.32	1.14	3.63	164	9.71	134	48	41	0	1	3	2				
COLUMBIA	54	37	67	31	45	-1	2.19	1.61	1.52	4.24	228	9.96	171	-	-	0	1	3	2				
VERSAILLES	55	37	69	30	46	-1	2.32	1.67	1.47	4.43	233	9.99	175	50	41	0	1	2	2				
EC COOK STATION	58	35	69	25	47	0	6.72	5.81	4.63	8.59	357	15.94	230	50	45	0	4	3	2				
SW LAMAR	57	38	69	30	47	-1	2.68	1.92	2.48	4.60	199	8.37	128	50	44	0	1	2	1				
SC MOUNTAIN GROVE	57	36	70	29	47	1	5.76	4.70	4.87	8.64	301	14.59	169	51	41	0	3	3	2				
SE DELTA	58	39	67	33	49	0	12.00	11.06	11.23	14.22	534	19.95	217	54	45	0	0	3	2				
CHARLESTON	61	41	71	35	51	3	4.32	3.41	3.23	7.13	281	11.88	127	55	44	0	0	2	2				
GLENNONVILLE	61	41	71	35	52	2	3.92	3.05	3.20	6.62	262	12.24	140	55	46	0	0	2	2				
CLARKTON	61	39	71	34	51	1	3.22	2.36	2.65	6.33	244	10.99	123	56	45	0	0	2	2				
PORTAGEVILLE DC	61	41	73	35	52	2	4.35	3.43	3.56	7.86	285	13.60	137	58	46	0	0	2	2				
PORTAGEVILLE LF	62	42	73	35	52	2	4.33	3.39	3.46	7.64	277	13.35	136	57	45	0	0	2	2				
STEELE	62	41	75	35	53	3	3.21	2.31	2.36	7.02	237	12.40	120	57	46	0	0	2	2				
CARDWELL	63	42	75	36	53	2	4.23	3.30	3.47	8.63	298	13.67	135	60	48	0	0	2	2				

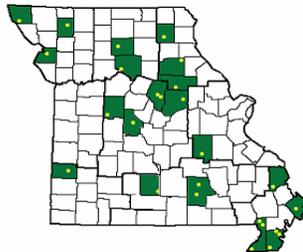
Compiled by USDA/OCE/WAOB's Stoneville Field Office. \* Beasley Lake. X Based on 1971-2000 normals. - Sufficient data not available.

Mississippi: ND = Northern Delta; NE = Northeastern Mississippi; EC = East Central Mississippi; SD = Southern Delta.

Missouri: NW = Northwest; NC = North Central; NE = Northeast; WC = West Central; C = Central; EC = East Central; SW = Southwest; SE = Southeast.

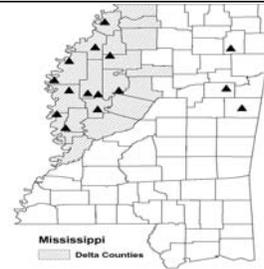
**Weather and Crop Summary for the Mississippi Delta:** Storms brought high winds and wet weather early in the week, but rainfall totaled less than an inch. Temperatures were often above average, with extreme highs reaching the mid-80's in the southern Delta. For the first time this year, extreme minimum temperatures remained above 32°F throughout the Delta for the entire week.

Missouri Weather Stations



Note: For information on the weather stations in Missouri, please visit: <http://aqebb.missouri.edu/weather/stations/index.htm>

Mississippi Weather Stations



Note: For information on the weather stations in Mississippi, please visit: [http://www.deltaweather.msstate.edu/maps/weather\\_station\\_map.htm](http://www.deltaweather.msstate.edu/maps/weather_station_map.htm)

National Weather Data for Selected Cities

Weather Data for the Week Ending March 22, 2008

Data Provided by Climate Prediction Center (301-763-8000, Ext. 7503)

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE MAR01	PCT. NORMAL SINCE MAR01	TOTAL IN, SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F			
																90 AND ABOVE	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	70	48	75	38	59	4	0.29	-1.14	0.29	5.38	124	14.51	104	73	36	0	0	1	0
HUNTSVILLE	67	44	76	36	55	2	0.59	-0.93	0.58	4.88	101	11.78	77	77	49	0	0	2	1
MOBILE	71	52	79	42	62	1	0.64	-1.03	0.64	3.73	72	14.57	91	78	48	0	0	1	1
MONTGOMERY	72	49	80	39	60	1	1.47	0.05	1.47	5.91	127	13.95	92	80	36	0	0	1	1
AK ANCHORAGE	34	22	42	15	28	1	0.00	-0.12	0.00	0.43	98	2.18	117	74	59	0	7	0	0
BARROW	-11	-22	-6	-27	-16	-3	0.00	0.00	0.00	0.00	0	0.32	133	84	73	0	7	0	0
FAIRBANKS	18	1	27	-9	9	-4	0.00	-0.06	0.00	0.00	0	1.11	102	60	53	0	7	0	0
JUNEAU	39	32	42	28	36	2	1.24	0.51	0.63	3.66	144	14.01	123	91	79	0	4	7	1
KODIAK	33	26	38	18	29	-4	2.26	1.10	0.95	6.99	190	20.38	116	81	73	0	5	3	3
NOME	9	-3	15	-17	3	-7	0.00	-0.11	0.00	0.33	89	2.57	126	65	58	0	7	0	0
AZ FLAGSTAFF	46	20	60	11	33	-4	0.04	-0.51	0.03	0.04	2	6.56	98	80	30	0	7	2	0
PHOENIX	74	52	86	47	63	0	0.00	-0.22	0.00	0.00	0	1.97	83	46	23	0	0	0	0
PRESCOTT	57	30	69	26	43	-1	0.12	-0.27	0.07	0.12	8	6.47	133	73	21	0	5	2	0
TUCSON	69	42	83	35	56	-4	0.37	0.22	0.22	0.37	62	1.76	71	59	29	0	0	2	0
AR FORT SMITH	64	44	73	38	54	0	3.57	2.66	2.73	9.00	324	13.20	171	87	46	0	0	3	2
LITTLE ROCK	67	46	81	37	56	2	1.89	0.75	1.41	6.27	189	11.55	113	84	47	0	0	2	1
CA BAKERSFIELD	67	45	75	41	56	-2	0.00	-0.30	0.00	0.00	0	1.48	44	62	38	0	0	0	0
FRESNO	66	43	73	35	55	-1	0.00	-0.48	0.00	0.02	1	5.46	93	74	42	0	0	0	0
LOS ANGELES	66	53	73	49	59	1	0.00	-0.48	0.00	0.00	0	6.84	86	65	43	0	0	0	0
REDDING	65	41	73	36	53	0	0.04	-1.08	0.04	0.15	4	13.29	84	71	44	0	0	1	0
SACRAMENTO	65	42	71	38	53	-2	0.00	-0.59	0.00	0.00	0	8.48	90	83	39	0	0	0	0
SAN DIEGO	62	50	67	46	56	-4	0.23	-0.27	0.23	0.27	16	4.82	81	73	57	0	0	1	0
SAN FRANCISCO	59	46	63	43	52	-2	0.00	-0.68	0.00	0.36	15	10.01	92	83	63	0	0	0	0
STOCKTON	65	41	72	36	53	-2	0.00	-0.49	0.00	0.02	1	6.65	97	79	52	0	0	0	0
CO ALAMOSA	49	18	55	13	34	0	0.00	-0.10	0.00	0.13	46	0.99	134	79	27	0	7	0	0
CO SPRINGS	48	27	63	23	38	-1	0.46	0.22	0.43	0.83	126	1.48	115	76	39	0	7	2	0
DENVER INTL	51	26	65	21	38	-1	0.10	-0.09	0.04	0.15	24	0.41	38	78	33	0	7	3	0
GRAND JUNCTION	52	29	61	24	41	-3	0.01	-0.21	0.01	0.32	48	1.56	88	67	33	0	6	1	0
PUEBLO	54	24	70	19	39	-4	0.48	0.25	0.20	0.56	93	1.00	84	86	44	0	7	3	0
CT BRIDGEPORT	46	34	52	30	40	-1	1.30	0.34	1.20	4.08	143	12.05	127	54	39	0	2	2	1
HARTFORD	42	30	46	22	36	-3	0.99	0.09	0.96	4.54	169	15.68	165	64	42	0	4	2	1
DC WASHINGTON	58	42	70	34	50	2	1.09	0.28	0.55	2.77	107	8.31	99	66	36	0	0	2	2
DE WILMINGTON	53	37	65	31	45	1	1.01	0.10	0.51	3.90	139	9.79	108	76	38	0	1	4	1
FL DAYTONA BEACH	75	62	85	55	68	3	0.47	-0.41	0.24	3.42	127	6.84	80	81	52	0	0	2	0
JACKSONVILLE	72	51	85	43	62	0	1.06	0.15	1.01	3.50	128	11.35	118	95	46	0	0	2	1
KEY WEST	81	74	83	73	78	4	0.47	0.04	0.47	1.94	158	4.68	94	82	66	0	0	1	0
MIAMI	82	72	91	71	77	4	0.59	0.00	0.51	3.33	202	8.69	155	76	52	1	0	2	1
ORLANDO	78	59	87	53	69	1	0.91	0.08	0.63	4.53	182	10.28	141	92	54	0	0	2	1
PENSACOLA	70	54	78	48	62	0	0.21	-1.27	0.21	3.66	80	15.67	107	80	52	0	0	1	0
TALLAHASSEE	73	50	82	37	62	0	0.07	-1.42	0.07	3.26	69	15.10	103	84	40	0	0	1	0
TAMPA	79	63	83	54	71	3	1.06	0.45	0.49	3.42	167	10.24	146	82	50	0	0	3	0
GA WEST PALM BEACH	80	70	88	68	75	4	0.04	-0.85	0.04	5.16	209	11.92	136	78	57	0	0	1	0
ATHENS	66	45	74	34	56	2	0.67	-0.44	0.67	3.16	87	9.32	73	71	42	0	0	1	1
ATLANTA	65	46	72	40	55	0	1.15	-0.05	1.15	4.37	112	11.83	87	70	45	0	0	1	1
AUGUSTA	69	45	80	34	57	0	0.56	-0.48	0.56	3.66	111	10.69	90	81	37	0	0	1	1
COLUMBUS	70	49	77	39	59	0	0.74	-0.56	0.74	4.46	107	15.82	118	77	35	0	0	1	1
MACON	70	46	76	36	58	1	0.82	-0.26	0.82	2.63	74	12.20	93	83	34	0	0	1	1
SAVANNAH	69	52	80	42	60	0	0.30	-0.55	0.30	1.31	53	8.80	94	86	45	0	0	1	0
HI HILO	77	66	81	63	71	-1	3.94	0.50	2.29	4.43	45	57.73	202	89	81	0	0	6	2
HONOLULU	83	73	85	70	78	4	0.10	-0.28	0.08	0.11	8	0.74	11	71	65	0	0	2	0
KAHULUI	80	64	84	59	72	-1	0.00	-0.52	0.00	0.01	1	2.46	32	82	73	0	0	0	0
LIHUE	80	72	82	70	76	3	0.11	-0.69	0.04	0.11	4	2.64	25	79	71	0	0	4	0
ID BOISE	48	32	54	26	40	-5	0.30	0.00	0.15	0.97	102	2.46	71	79	56	0	4	3	0
LEWISTON	48	34	57	31	41	-5	0.25	0.00	0.07	0.80	110	1.98	70	85	62	0	2	6	0
POCATELLO	42	27	54	21	35	-4	0.10	-0.20	0.06	0.59	62	1.65	53	89	63	0	6	2	0
IL CHICAGO/O'HARE	40	30	49	26	35	-4	0.42	-0.21	0.24	1.29	77	6.75	133	84	59	0	5	5	0
MOLINE	45	31	54	21	38	-2	0.27	-0.43	0.21	0.91	48	5.27	106	84	54	0	4	3	0
PEORIA	48	33	64	28	41	0	0.85	0.20	0.63	1.31	69	8.47	167	85	57	0	3	3	1
ROCKFORD	43	30	52	23	36	-2	0.53	-0.04	0.26	1.35	90	5.64	133	83	56	0	4	5	0
SPRINGFIELD	51	35	67	30	43	0	1.28	0.55	0.68	2.24	104	10.70	192	87	55	0	2	3	1
IN EVANSVILLE	58	41	68	30	49	2	8.65	7.67	6.37	11.44	384	21.38	238	81	63	0	1	4	3
FORT WAYNE	44	30	56	26	37	-3	1.15	0.49	0.41	2.27	120	9.23	157	86	57	0	6	5	0
INDIANAPOLIS	50	34	63	29	42	-1	3.22	2.43	2.00	5.14	216	11.68	161	89	62	0	3	3	2
SOUTH BEND	39	27	51	21	33	-6	0.72	0.04	0.33	1.04	55	9.77	159	83	59	0	6	5	0
IA BURLINGTON	49	34	66	26	41	-1	0.57	-0.12	0.54	1.97	99	6.62	137	86	57	0	2	2	1
CEDAR RAPIDS	43	31	51	27	37	-1	0.18	-0.36	0.11	0.91	65	4.49	126	94	71	0	4	3	0
DES MOINES	47	34	56	31	40	0	0.32	-0.21	0.22	0.85	61	3.75	104	85	63	0	1	4	0
DUBUQUE	39	28	47	21	34	-2	0.23	-0.38	0.17	1.29	77	6.31	144	89	71	0	6	3	0
SIOUX CITY	45	27	60	19	36	-2	0.25	-0.23	0.11	0.32	25	1.86	75	95	78	0	7	4	0
WATERLOO	40	31	49	28	35	-2	0.17	-0.34	0.10	0.44	33	3.77	117	90	76	0	6	4	0
KS CONCORDIA	52	32	74	27	42	-2	0.54	-0.01	0.54	1.10	68	1.78	59	86	60	0	4	1	1
DODGE CITY	58	33	82	27	45	0	0.04	-0.40	0.01	0.05	4	0.83	33	74	36	0	5	2	0
GOODLAND	51	27	70	26	39	-2	0.16	-0.12	0.16	0.26	31	0.87	51	82	52	0	7	1	0
TOPEKA	53	35	70	27	44	-2	1.03	0.43	1.03	2.50	145	6.47	168	83	57				

Weather Data for the Week Ending March 22, 2008

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE MAR01	PCT. NORMAL SINCE MAR01	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	57	39	74	33	48	1	1.86	1.23	1.86	2.72	145	4.64	124	76	52	0	0	1	1
KY JACKSON	60	39	70	32	50	2	0.53	-0.43	0.53	3.92	125	9.79	94	76	39	0	2	1	1
KY LEXINGTON	58	38	66	30	48	1	1.76	0.77	1.70	4.65	147	14.83	152	84	60	0	2	2	1
KY LOUISVILLE	59	41	70	34	50	2	3.18	2.19	2.02	6.47	205	14.26	147	80	50	0	0	3	2
LA PADUCAH	62	43	71	34	53	4	4.42	3.48	3.18	7.97	269	16.26	157	80	46	0	0	3	2
LA BATON ROUGE	76	52	85	41	64	3	0.18	-0.96	0.18	2.71	77	14.38	97	84	48	0	0	1	0
LA LAKE CHARLES	72	52	82	41	62	0	0.05	-0.77	0.05	3.05	124	11.51	102	84	44	0	0	1	0
LA NEW ORLEANS	72	56	79	45	64	1	0.12	-1.05	0.12	1.86	52	8.05	54	84	64	0	0	1	0
LA SHREVEPORT	74	50	86	36	62	3	0.21	-0.70	0.20	2.15	74	9.76	83	81	35	0	0	2	0
ME CARIBOU	28	13	36	6	20	-6	1.11	0.53	1.01	3.56	202	11.38	168	84	54	0	7	4	1
ME PORTLAND	37	27	43	20	32	-3	1.09	0.13	0.64	4.82	170	16.09	160	72	43	0	6	3	1
MD BALTIMORE	55	38	67	28	46	1	0.87	-0.02	0.57	2.32	82	7.59	82	66	43	0	1	5	1
MA BOSTON	42	31	45	28	37	-3	0.76	-0.12	0.52	4.19	158	14.82	150	70	43	0	3	3	1
MA WORCESTER	39	27	43	23	33	-2	0.90	0.06	0.63	4.87	174	17.00	171	77	35	0	6	2	1
MI ALPENA	32	19	40	8	25	-5	0.24	-0.26	0.19	0.55	38	5.74	126	85	55	0	7	2	0
MI GRAND RAPIDS	38	27	45	25	33	-3	0.75	0.12	0.57	1.11	67	9.03	173	82	54	0	6	4	1
MI HOUGHTON LAKE	31	19	38	9	25	-6	0.24	-0.24	0.16	0.50	37	4.80	114	85	57	0	7	2	0
MI LANSING	39	26	46	23	32	-3	0.73	0.17	0.53	0.82	56	6.30	139	80	61	0	6	4	1
MI MUSKOGON	37	26	44	22	32	-3	0.93	0.37	0.72	1.58	103	10.78	202	79	59	0	6	4	1
MI TRAVERSE CITY	33	23	39	17	28	-4	0.03	-0.44	0.03	0.47	38	5.47	91	80	50	0	7	1	0
MN DULUTH	33	20	43	14	26	-1	0.31	-0.10	0.29	0.65	61	1.15	38	84	59	0	7	2	0
MN INT'L FALLS	33	16	36	3	25	0	0.09	-0.13	0.07	0.47	81	1.04	50	80	52	0	7	3	0
MN MINNEAPOLIS	37	27	48	21	32	-2	1.07	0.61	0.47	1.27	107	1.82	60	87	69	0	7	5	0
MN ROCHESTER	39	29	47	26	34	2	0.45	-0.01	0.24	0.66	57	1.89	67	84	69	0	6	6	0
MN ST. CLOUD	36	24	47	16	30	0	0.77	0.40	0.37	1.02	113	1.73	77	92	62	0	7	5	0
MS JACKSON	73	49	84	39	61	3	0.44	-0.89	0.43	2.31	59	13.25	94	83	38	0	0	2	0
MS MERIDIAN	71	46	82	34	59	1	0.56	-1.03	0.56	2.43	49	16.03	99	83	43	0	0	1	1
MS TUPELO	69	44	77	34	56	2	0.38	-1.05	0.38	4.38	97	9.75	68	83	48	0	0	1	0
MO COLUMBIA	53	38	67	30	46	1	2.29	1.56	1.19	4.87	225	11.14	183	84	56	0	1	3	2
MO KANSAS CITY	51	35	67	26	43	-2	1.39	0.84	1.37	2.72	164	6.79	165	85	52	0	1	2	1
MO SAINT LOUIS	54	40	70	35	47	0	3.62	2.79	2.47	5.95	240	12.53	182	79	64	0	0	3	2
MO SPRINGFIELD	58	37	72	30	48	1	6.28	5.37	4.90	10.31	403	20.24	291	81	59	0	1	3	2
MT BILLINGS	48	29	55	23	39	1	0.26	0.00	0.20	0.28	40	0.70	34	73	31	0	6	4	0
MT BUTTE	37	20	45	16	29	-3	0.00	-0.19	0.00	0.10	19	1.02	66	88	38	0	7	0	0
MT CUT BANK	41	24	47	16	33	1	0.04	-0.08	0.03	0.08	24	0.18	18	73	34	0	7	2	0
MT GLASGOW	45	24	54	19	35	3	0.14	0.04	0.14	0.17	61	0.97	109	85	62	0	7	1	0
MT GREAT FALLS	45	23	51	20	34	0	0.04	-0.18	0.04	0.13	20	1.40	76	79	29	0	7	1	0
MT HAVRE	47	20	54	13	34	0	0.00	-0.17	0.00	0.05	11	0.83	64	73	41	0	7	0	0
MT MISSOULA	44	30	49	27	37	-2	0.14	-0.06	0.07	0.59	94	1.96	80	87	61	0	5	2	0
NE GRAND ISLAND	51	30	68	25	41	1	0.40	-0.09	0.39	0.44	33	1.07	42	84	55	0	4	2	0
NE LINCOLN	52	28	68	17	40	-1	0.16	-0.38	0.14	0.31	21	1.30	47	86	55	0	5	3	0
NE NORFOLK	47	27	60	19	37	-1	0.25	-0.22	0.21	0.30	23	1.04	40	92	66	0	7	2	0
NE NORTH PLATTE	50	24	67	18	37	-2	0.64	0.36	0.47	0.68	85	0.81	48	92	44	0	7	2	0
NE OMAHA	48	27	62	18	38	-3	0.11	-0.40	0.09	0.27	19	1.15	39	94	60	0	6	3	0
NE SCOTTSBLUFF	48	27	61	24	38	0	0.37	0.10	0.20	0.76	103	1.10	59	90	53	0	7	3	0
NE VALENTINE	50	26	66	23	38	2	0.11	-0.14	0.07	0.34	49	1.06	72	87	51	0	7	3	0
NV ELY	47	19	60	15	33	-4	0.00	-0.22	0.00	0.02	3	1.30	59	76	33	0	7	0	0
NV LAS VEGAS	70	51	79	41	61	2	0.08	-0.03	0.08	0.08	19	0.70	41	28	17	0	0	1	0
NV RENO	55	30	65	23	43	-1	0.00	-0.17	0.00	0.08	13	3.66	133	63	35	0	4	0	0
NV WINNEMUCCA	51	23	60	14	37	-5	0.04	-0.15	0.03	0.24	42	1.64	81	76	46	0	7	2	0
NH CONCORD	37	24	42	13	31	-4	0.92	0.23	0.83	4.83	232	16.45	222	75	45	0	7	2	1
NJ NEWARK	49	35	58	31	42	-1	1.18	0.20	0.93	3.46	118	11.58	117	57	42	0	1	3	1
NM ALBUQUERQUE	61	34	71	25	47	-2	0.00	-0.13	0.00	0.00	0	0.80	60	38	14	0	3	0	0
NY ALBANY	40	27	45	22	33	-3	1.00	0.28	0.92	5.30	254	11.34	168	73	44	0	6	2	1
NY BINGHAMTON	36	24	47	18	30	-4	1.30	0.63	1.25	4.83	242	11.09	158	78	61	0	6	3	1
NY BUFFALO	36	26	44	18	31	-5	0.71	0.02	0.66	6.07	298	13.31	175	81	53	0	6	3	1
NY ROCHESTER	37	26	45	20	31	-4	0.79	0.20	0.60	1.69	98	7.56	124	73	53	0	6	4	1
NY SYRACUSE	37	25	46	19	31	-4	0.92	0.22	0.84	3.33	165	9.41	140	80	51	0	6	3	1
NC ASHEVILLE	55	36	65	27	46	-1	1.18	0.14	1.18	4.19	128	10.54	94	85	47	0	2	1	1
NC CHARLOTTE	62	44	69	35	53	-1	0.72	-0.27	0.72	4.49	142	9.09	85	73	38	0	0	1	1
NC GREENSBORO	61	43	71	34	52	2	0.41	-0.46	0.41	3.50	128	7.10	76	68	32	0	0	1	0
NC HATTERAS	60	49	66	42	54	1	0.33	-0.65	0.31	3.43	102	13.50	103	83	47	0	0	2	0
NC RALEIGH	63	42	75	33	53	1	0.08	-0.82	0.08	4.13	140	8.55	82	72	34	0	0	1	0
NC WILMINGTON	64	45	76	36	55	-1	0.19	-0.75	0.09	2.28	75	9.45	84	89	43	0	0	3	0
ND BISMARCK	44	23	50	13	34	3	0.42	0.23	0.20	0.45	88	0.97	66	89	62	0	7	6	0
ND DICKINSON	43	22	56	14	32	0	0.07	-0.09	0.07	0.13	39	0.17	15	91	51	0	7	1	0
ND FARGO	37	23	45	7	30	1	0.72	0.44	0.62	0.78	103	1.54	73	93	69	0	7	4	1
ND GRAND FORKS	35	22	43	3	28	1	0.27	0.07	0.22	0.43	77	1.09	60	91	64	0	7	3	0
ND JAMESTOWN	40	23	47	12	32	2	0.16	-0.04	0.13	0.16	29	0.34	20	94	58	0	7	3	0
ND WILLISTON	45	26	55	20	35	5	0.12	-0.05	0.07	0.25	54	0.71	51	81	61	0	7	4	0
OH AKRON-CANTON	42	27	50	20	35	-4	1.50	0.78	0.88	4.77	220	12.52	180	88	61	0	5	4	2
OH CINCINNATI	53	36	64	32	45	0	5.39	4.49	3.35	8.24	306	15.78	189	85	67	0	2	3	3
OH CLEVELAND	40	29	52	23	35	-4	1.86	1.19	0.70	4.16	211	13.01	193	83	56	0	6	5	1
OH COLUMBUS	49	34	54	29	41	-2	2.46	1.80	1.59	6.44	327	11.97	179	81	59	0	3	3	2
OH DAYTON	48	33	53	29	40	-2	2.76	1.99	1.69	4.75	217	10.93	154	85	59	0	4	4	2
OH MANSFIELD	41	29	52	21	35	-3	1.35	0.55	0.71	3.68	166	12.57	179	92	64	0	6	4	2

Based on 1971-2000 normals

\*\*\* Not Available

Weather Data for the Week Ending March 22, 2008

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE MAR01	PCT. NORMAL SINCE MAR01	TOTAL IN. SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																90 AND ABOVE	32 AND BELOW	01 INCH OR MORE	50 INCH OR MORE
OK TOLEDO	40	28	54	24	34	-5	1.23	0.62	0.41	2.09	122	9.79	177	87	60	0	5	5	0
OK YOUNGSTOWN	40	27	51	16	33	-5	1.95	1.24	0.94	4.98	242	13.43	209	84	59	0	6	4	1
OK OKLAHOMA CITY	65	44	76	38	55	3	1.98	1.33	1.81	3.26	160	6.79	139	70	39	0	0	3	1
OR TULSA	63	41	76	36	52	-1	2.83	2.00	2.75	4.07	163	6.96	115	79	49	0	0	2	1
OR ASTORIA	48	37	52	34	42	-4	1.13	-0.49	0.29	4.96	93	19.69	86	92	73	0	0	6	0
OR BURNS	41	25	52	21	33	-5	0.19	-0.07	0.14	0.66	75	3.04	96	87	67	0	7	4	0
OR EUGENE	49	37	53	31	43	-4	1.09	-0.17	0.36	3.21	76	13.17	72	96	80	0	1	5	0
OR MEDFORD	51	37	60	32	44	-3	0.62	0.23	0.26	1.31	98	5.62	95	94	57	0	1	5	0
OR PENDLETON	48	32	60	28	40	-6	0.31	0.03	0.11	1.09	125	3.35	95	84	58	0	3	6	0
OR PORTLAND	51	40	57	36	45	-3	0.62	-0.18	0.28	2.57	96	9.54	80	87	74	0	0	5	0
OR SALEM	49	37	56	31	43	-4	0.53	-0.35	0.31	2.33	77	12.56	90	93	79	0	1	5	0
PA ALLENTOWN	49	32	60	27	40	0	1.33	0.51	1.14	4.74	190	13.64	156	67	40	0	6	5	1
PA ERIE	39	28	49	18	33	-5	0.91	0.19	0.76	3.00	144	10.96	159	81	69	0	6	3	1
PA MIDDLETOWN	51	35	64	30	43	0	0.88	0.16	0.71	4.25	184	11.11	138	84	46	0	1	4	1
PA PHILADELPHIA	52	36	62	31	44	0	0.92	0.04	0.46	3.60	135	9.27	104	62	43	0	1	4	0
PA PITTSBURGH	44	30	58	21	37	-4	1.21	0.49	0.79	3.30	151	10.38	143	86	48	0	4	3	1
PA WILKES-BARRE	43	29	60	24	36	-3	1.32	0.70	1.13	4.95	275	13.36	211	68	41	0	6	4	1
PA WILLIAMSPORT	45	32	51	27	39	0	0.64	-0.09	0.59	4.52	208	12.07	158	60	39	0	4	2	1
RI PROVIDENCE	48	32	56	27	40	0	1.00	-0.03	0.69	6.03	198	16.00	147	58	42	0	3	2	1
SC BEAUFORT	68	50	78	40	59	1	0.30	-0.56	0.30	0.61	24	6.79	70	91	50	0	0	1	0
SC CHARLESTON	68	48	78	39	58	-1	0.60	-0.33	0.59	2.38	84	8.17	82	85	37	0	0	2	1
SC COLUMBIA	67	46	79	33	57	1	0.47	-0.57	0.47	2.95	91	9.83	84	76	35	0	0	1	0
SC GREENVILLE	62	44	69	37	53	0	0.71	-0.48	0.71	3.94	102	10.05	80	68	37	0	0	1	1
SD ABERDEEN	43	22	54	14	33	1	1.48	1.16	0.75	1.59	192	1.92	107	91	71	0	6	5	1
SD HURON	42	27	56	19	34	0	0.17	-0.23	0.05	0.49	46	0.91	43	94	63	0	7	6	0
SD RAPID CITY	47	22	54	17	35	-1	0.12	-0.12	0.12	0.20	32	1.13	77	85	38	0	7	1	0
SD SIOUX FALLS	41	29	48	20	35	1	0.45	0.00	0.28	0.66	58	1.49	69	88	80	0	5	5	0
TN BRISTOL	58	35	68	28	47	-1	0.65	-0.21	0.65	3.32	118	10.40	107	84	46	0	3	1	1
TN CHATTANOOGA	65	44	75	36	55	2	1.38	-0.03	1.38	5.58	125	13.20	90	80	42	0	0	1	1
TN KNOXVILLE	63	41	72	32	52	1	0.92	-0.25	0.92	3.33	90	11.27	92	77	40	0	1	1	1
TN MEMPHIS	69	48	79	35	59	5	1.29	0.02	1.23	5.35	138	12.54	101	78	47	0	0	2	1
TN NASHVILLE	65	44	71	36	55	4	1.86	0.76	1.86	4.70	134	11.99	107	82	47	0	0	1	1
TX ABILENE	68	46	82	39	57	0	2.50	2.20	1.70	4.07	428	4.92	161	72	43	0	0	3	2
TX AMARILLO	60	36	78	29	48	-1	0.01	-0.25	0.01	0.07	10	0.90	47	67	29	0	2	1	0
TX AUSTIN	71	45	79	32	58	-5	1.01	0.57	0.99	3.38	219	5.36	99	80	45	0	1	2	1
TX BEAUMONT	72	53	82	41	62	-1	0.02	-0.85	0.02	1.77	68	10.38	89	88	51	0	0	1	0
TX BROWNSVILLE	80	59	90	46	69	0	0.00	-0.20	0.00	0.24	45	1.62	53	85	49	1	0	0	0
TX CORPUS CHRISTI	77	56	86	46	66	-1	0.10	-0.26	0.10	1.57	131	3.51	75	90	53	0	0	1	0
TX DEL RIO	79	53	93	43	66	1	0.32	0.13	0.21	0.61	98	0.71	33	74	39	1	0	2	0
TX EL PASO	70	46	81	34	58	0	0.00	-0.03	0.00	0.00	0	0.31	31	28	11	0	0	0	0
TX FORT WORTH	74	51	81	42	63	5	2.67	2.02	2.35	5.16	233	7.73	119	71	37	0	0	2	1
TX GALVESTON	71	60	76	53	65	0	0.02	-0.61	0.02	0.96	50	8.32	97	88	59	0	0	1	0
TX HOUSTON	73	53	81	41	63	0	0.13	-0.63	0.12	2.19	95	10.81	121	83	50	0	0	2	0
TX LUBBOCK	67	40	78	26	54	2	0.02	-0.13	0.01	0.11	24	0.90	54	64	35	0	1	2	0
TX MIDLAND	71	42	87	30	57	0	0.02	-0.04	0.01	0.05	18	0.13	9	60	26	0	1	2	0
TX SAN ANGELO	71	47	83	40	59	1	3.39	3.20	1.98	4.66	685	5.35	200	75	38	0	0	3	2
TX SAN ANTONIO	76	53	84	39	64	1	0.24	-0.17	0.21	2.07	158	2.69	57	84	39	0	0	2	0
TX VICTORIA	73	52	82	39	62	-3	0.20	-0.30	0.19	3.31	212	8.00	132	91	56	0	0	2	0
TX WACO	70	48	78	39	59	0	1.57	1.06	1.49	6.77	380	8.66	142	84	48	0	0	2	1
TX WICHITA FALLS	70	45	84	41	58	3	2.29	1.79	1.62	2.89	185	3.89	92	69	42	0	0	2	2
UT SALT LAKE CITY	50	33	64	27	42	-2	0.22	-0.22	0.20	0.90	69	3.44	86	73	38	0	3	2	0
VT BURLINGTON	33	21	40	15	27	-5	1.13	0.59	0.83	3.71	242	8.97	165	76	47	0	6	3	1
VA LYNCHBURG	58	37	70	28	47	0	0.34	-0.52	0.30	2.80	103	6.02	64	71	35	0	1	2	0
VA NORFOLK	59	46	77	38	53	3	0.24	-0.69	0.24	2.59	90	7.36	72	73	36	0	0	1	0
VA RICHMOND	61	40	75	30	51	2	0.41	-0.52	0.22	3.17	108	7.54	80	71	31	0	1	3	0
VA ROANOKE	58	40	66	33	49	1	0.38	-0.49	0.38	1.77	66	4.59	51	57	35	0	0	1	0
VA WASH/DULLES	55	40	66	30	47	2	0.52	-0.28	0.40	2.18	88	6.14	74	68	41	0	1	2	0
WA OLYMPIA	47	33	52	28	40	-4	0.50	-0.65	0.23	3.31	87	14.01	80	90	75	0	3	6	0
WA QUILLAYUTE	44	35	48	32	40	-4	2.78	0.41	0.81	6.31	78	26.25	77	91	78	0	1	6	2
WA SEATTLE-TACOMA	49	38	53	36	43	-4	0.29	-0.52	0.11	1.82	68	7.55	63	85	68	0	0	4	0
WA SPOKANE	44	31	48	29	37	-3	0.37	0.04	0.16	1.41	131	5.52	125	92	54	0	6	5	0
WA YAKIMA	51	26	61	22	38	-5	0.00	-0.14	0.00	0.14	31	1.46	60	77	49	0	7	0	0
WV BECKLEY	53	33	63	22	43	0	0.81	0.00	0.78	4.04	157	9.81	112	82	46	0	5	4	1
WV CHARLESTON	59	38	70	29	48	1	0.75	-0.12	0.73	2.97	106	10.02	108	80	36	0	2	3	1
WV ELKINS	52	30	65	18	41	0	0.79	-0.08	0.41	2.82	101	9.76	104	90	34	0	4	5	0
WV HUNTINGTON	57	38	67	28	47	0	1.27	0.42	1.21	3.52	128	10.87	120	86	41	0	2	2	1
WI EAU CLAIRE	36	23	44	14	29	-3	0.66	0.20	0.41	0.77	68	2.48	83	90	58	0	7	3	0
WI GREEN BAY	35	23	44	14	29	-4	0.09	-0.41	0.05	1.12	85	7.07	200	79	53	0	6	2	0
WI LA CROSSE	40	26	49	19	33	-3	0.51	0.01	0.44	0.79	66	3.23	96	89	54	0	7	2	0
WI MADISON	37	26	47	20	32	-3	0.85	0.30	0.71	1.63	115	7.10	180	86	65	0	5	4	1
WI MILWAUKEE	37	29	47	23	33	-3	1.02	0.40	0.77	1.51	93	6.90	135	83	66	0	5	4	1
WY CASPER	46	22	54	17	34	-2	0.12	-0.07	0.06	0.67	110	1.34	73	77	54	0	6	3	0
WY CHEYENNE	43	27	57	23	35	0	0.10	-0.14	0.09	0.21	31	0.41	26	69	45	0	7	2	0
WY LANDER	43	24	56	12	33	-4	0.24	-0.05	0.24	0.76	99	1.66	91	72	32	0	6	1	0
WY SHERIDAN	46	25	53	18	35	-1	0.37	0.14	0.16	0.91	149	1.96	101	77	48	0	6	4	0

Based on 1971-2000 normals

\*\*\* Not Available

# National Agricultural Summary

March 17 - 23, 2008

Weekly National Agricultural Summary provided by USDA/NASS

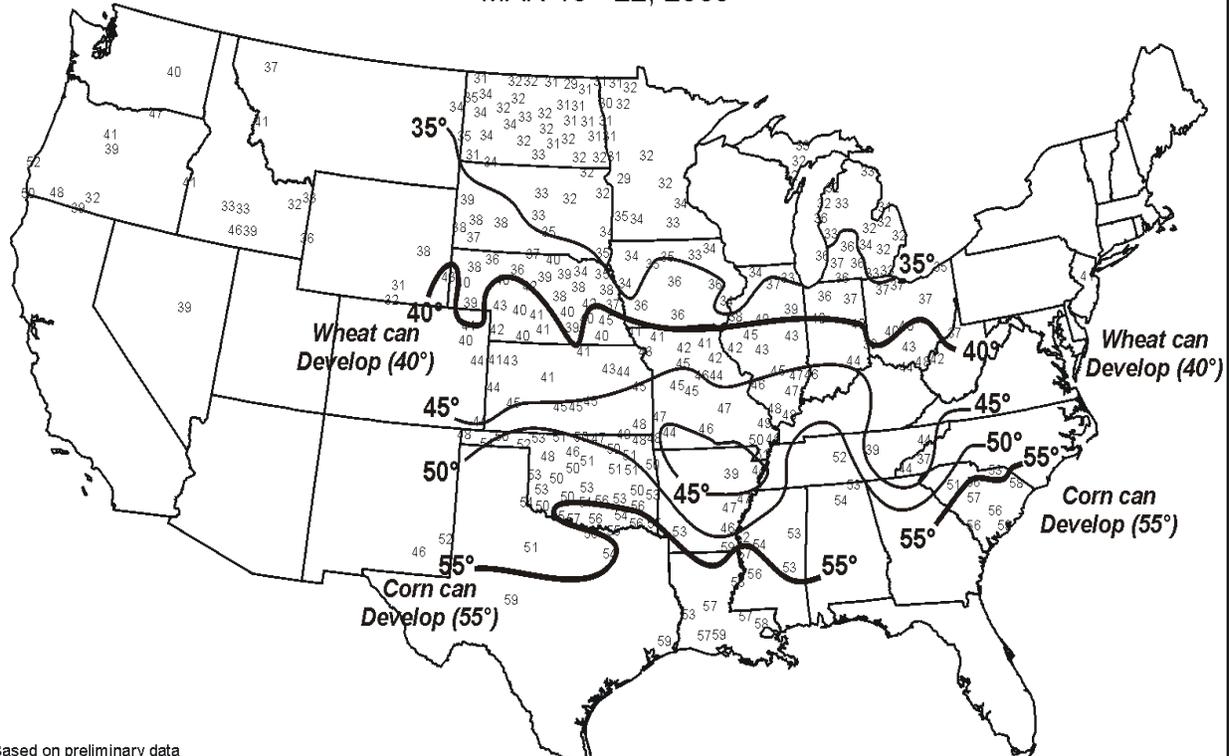
## HIGHLIGHTS

Wheat jointing was behind last year and the 5-year average in Kansas, where small grain top dressing and weed control continued. Small grain emergence was complete in Arizona, while small grains were revived and developing well in Oklahoma and Texas, following recent rains and warmth. Field preparations were underway across much of the country, and spring planting activity gained momentum in some areas. Land preparations continued in Florida for field crop planting, while in Louisiana, corn and rice planting continued following a rain delay. In Texas, corn and cotton planting was delayed due to wet fields in the Coastal Bend and the Blacklands, while corn planting was

ongoing in southern areas of the State. Wet weather slowed fieldwork in the Pacific Northwest, while heavy rain delayed fieldwork and caused flooding from northeastern Texas into Ohio. Vegetable harvest continued and summer vegetable planting was gaining momentum in Arizona, California, Florida, Georgia, and North Carolina. In Florida, timely rains aided development of the citrus crop, while fertilizer and pesticide applications continued across the State. Citrus harvest continued in the nation's major growing areas. Fruit trees and berries were blooming in California, while ideal growing conditions aided the development of nut crops.

## Average Soil Temperature (°F, 4" Bare)

MAR 16 - 22, 2008



Based on preliminary data

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Supplemental data provided by Alabama A&M University, Bureau of Reclamation - Pacific Northwest Region AgriMet Program, High Plains Regional Climate Center, Illinois State Water Survey, Iowa State University, Louisiana Agrilimatic Information System, Mississippi State University, Oklahoma Mesonet, Purdue University, University of Missouri, Michigan Automated Weather Network and USDA/NRCS Soil Climate Analysis Network.

# International Weather and Crop Summary

March 16 - 22, 2008

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

## HIGHLIGHTS

**FSU-WESTERN:** A cooling trend slowed the northward progression of winter grains breaking dormancy as well as the emergence of newly-planted spring grains in Ukraine and southern Russia.

**EUROPE:** Wintry conditions returned to the continent, slowing crop development and hampering fieldwork.

**AUSTRALIA:** Mostly dry weather in eastern Australia allowed cotton and sorghum harvesting to continue with little delay.

**EAST ASIA:** Warm weather throughout China continued to benefit winter crop development, while showers in the south provided beneficial moisture to newly-planted rice.

**SOUTHEAST ASIA:** Heavy monsoon showers continued to slow fieldwork across Indonesia, Malaysia, and the southern Philippines.

**ARGENTINA:** Rain maintained generally favorable moisture levels for soybeans and other immature summer crops across central Argentina.

**BRAZIL:** Rain hampered soybean harvesting while increasing moisture for second-season crops.

**MIDDLE EAST:** Showers boosted soil moisture for winter grains in Turkey, while dry conditions further reduced winter crop prospects along the eastern Mediterranean coast.

**NORTHWEST AFRICA:** Timely showers in northern Morocco aided reproductive winter grains, while dry, sunny weather prevailed elsewhere.

**SOUTH AFRICA:** Unseasonably heavy rain provided a late-season boost in moisture to corn and other filling to maturing summer crops.

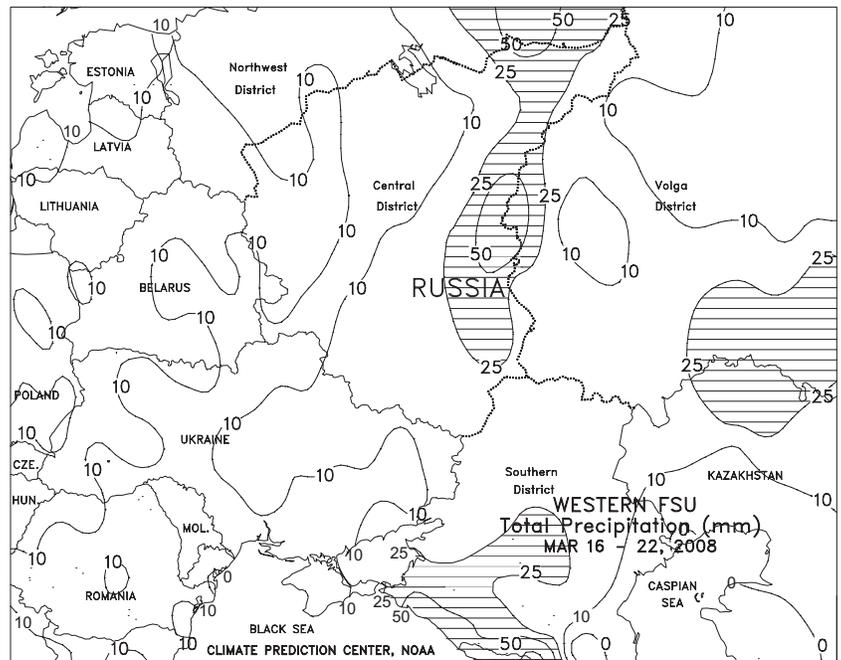
### EUROPE

Wintry conditions returned to the continent, slowing crop development and hampering fieldwork. The sharp reversal from recent spring-like warmth was the consequence of an abrupt southward plunge of the northern jet stream, which ushered the coldest air since mid-February into many parts of Europe. Widespread hard freezes were reported across virtually all growing areas, with only southern-most crop districts (particularly along the Mediterranean coast) spared from the sub-zero (degrees C) temperatures. However, most winter crops were at an early enough stage to withstand the cold with little long-term impact, and summer crop planting had generally just begun across southern Europe; crops at greatest risk included early-heading winter wheat in north-central Spain (-5 to -3 degrees C) and early-emerging corn in northern Italy (-2 to 0 degrees C). The cold weather was accompanied by an uncharacteristically late snowfall in portions of England, France, Germany, Poland, and the Baltics, while mostly rain was reported across southern-most growing areas. Nevertheless, the precipitation, which ranged from 10 to 50 mm, boosted topsoil moisture for winter crop development and summer crop establishment. On the Iberian Peninsula, scattered showers (5-50 mm) provided much-needed topsoil moisture for vegetative to heading winter wheat, although irrigation reserves and reservoir levels remained well below normal due to long-term drought. Dry weather also remained a concern along the lower Danube River Valley, with little if any rain during the past week maintaining a three-month dry trend.



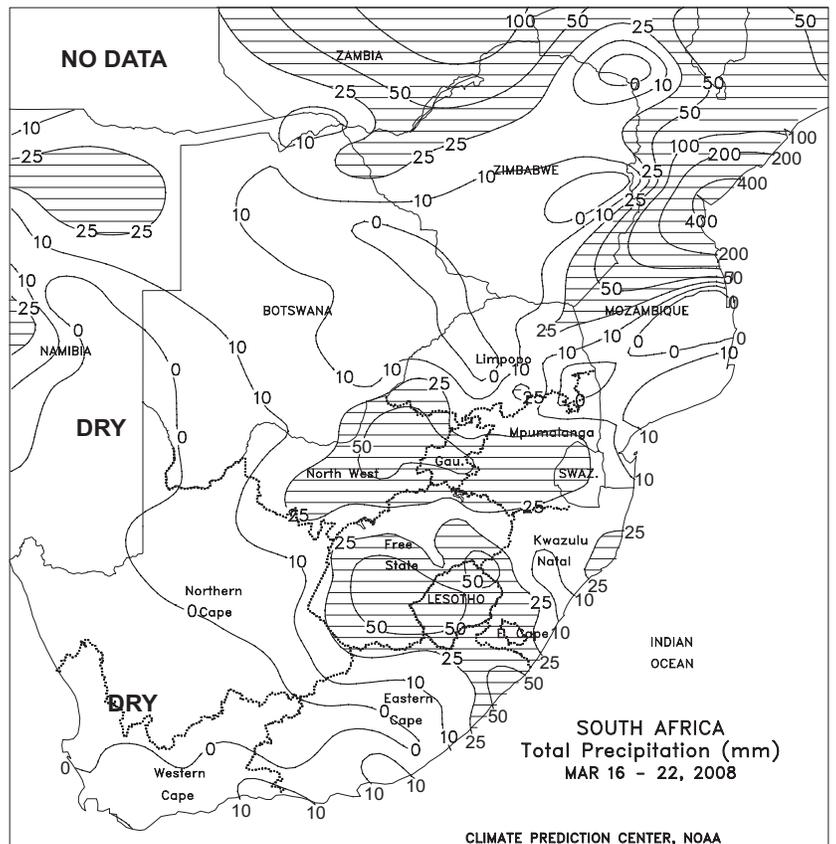
**FSU-WESTERN**

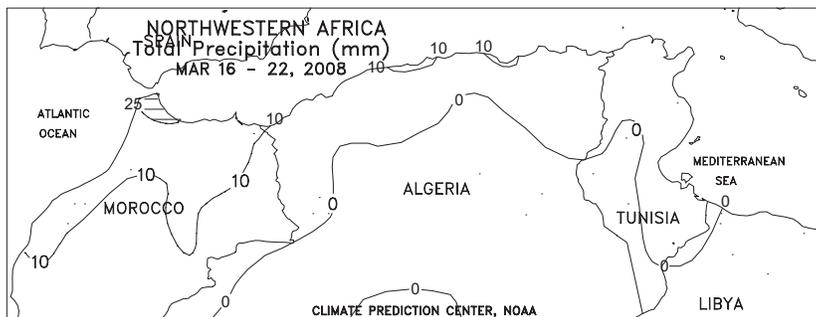
Colder air overspread the region as the week progressed, reversing an unusually mild weather pattern that prevailed earlier in the week. Temperatures were below normal by week's end, slowing the northward progression of winter grains breaking dormancy as well as the emergence of newly-planted spring grains in Ukraine and southern Russia. However, temperatures did not fall low enough to threaten winter grains. Overall, weekly temperatures averaged 1 to 3 degrees C above normal in most of Ukraine, Belarus, and northern Russia and 3 to 6 degrees C above normal in southern Russia. Widespread precipitation (6-25 mm or more) was observed across the region, with greatest amounts of moisture (25-50 mm or more) recorded in parts of Russia (central and western portions of the Southern District and easternmost locations in the Central and Volga Districts). The precipitation fell as a mixture of rain and snow, favoring winter grains and boosting topsoil moisture for early spring grain planting, underway in Ukraine and southern Russia. Reports from Ukraine as of March 24 indicated that spring grain planting was 32 percent complete.



**SOUTH AFRICA**

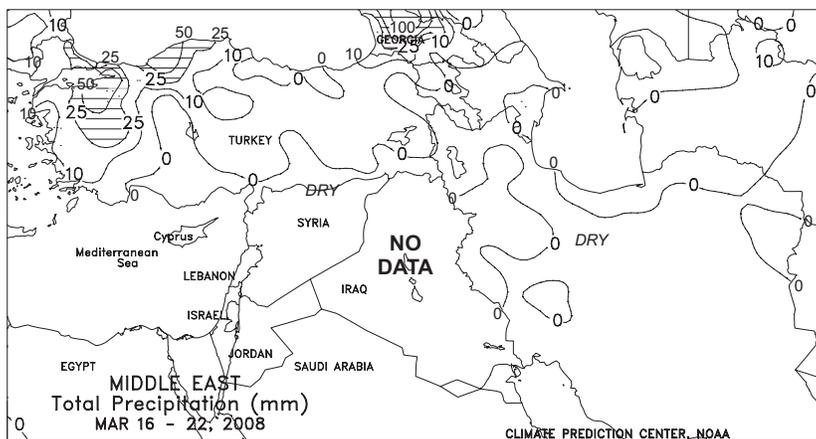
Unseasonably heavy rain (greater than 25 mm, most areas) fell throughout the corn belt, providing a late season boost in moisture to filling summer crops. The rain was particularly beneficial in western growing areas, including commercial white corn areas of North West and Free State that traditionally plant a larger portion of their crop during December and early January. The heaviest rainfall (50-100 mm) was recorded in eastern sections of North West into Gauteng, and in southernmost farming areas of Free State. Weekly temperatures averaging 3 to 4 degrees C below normal (highs in the lower and middle 20s degrees C and lows falling into the single digits C) slowed development of filling to maturing summer crops in the main corn growing areas. Elsewhere, cool, showery weather extended southward through KwaZulu-Natal and eastern sections of Eastern Cape but drier conditions prevailed farther west. In Western Cape, warm, mostly dry weather favored maturing fruit crops.





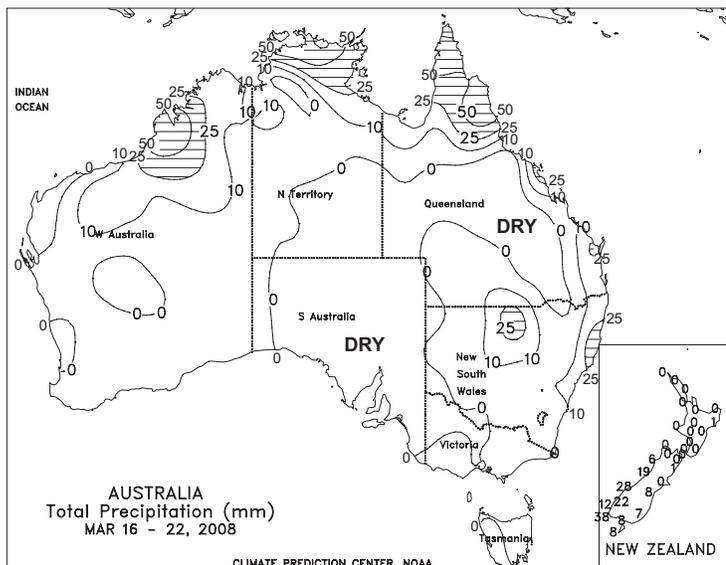
**NORTHWEST AFRICA**

Showers in northern Morocco and northern-most portions of Algeria contrasted with dry weather farther south and east. In particular, light to moderate showers (5-25 mm) in northern Morocco were beneficial for heading winter grains, while unfavorably dry weather persisted across southern Morocco. Overall, favorable winter grain prospects in northern Morocco are being largely offset by sharply lower prospects across Morocco's southern winter crop areas, which have been adversely impacted by untimely dryness. Scattered, mostly light showers (2-15 mm) in coastal portions of Algeria provided additional topsoil moisture for reproductive winter grains, while sunny, dry conditions over interior Algeria and northern Tunisia accelerated winter crop development.



**MIDDLE EAST**

Unsettled weather continued in Turkey, while dry, warm conditions prevailed elsewhere. Across western Turkey, a persistent southwesterly fetch of Mediterranean air generated widespread, locally heavy showers (10-70 mm), boosting topsoil moisture for tillering to jointing winter grains. Dry, mostly sunny weather prevailed across the rest of the Middle East, which coupled with temperatures up to 6 degrees C above normal accelerated winter crop development. Winter wheat has entered the heading stage across the eastern Mediterranean, where pockets of extreme heat (30-35 degrees C) exacerbated the adverse impacts of long-term dryness. In northern Iraq, remote sensing data indicated winter crops were likewise suffering from heat and dryness; the most recent satellite-derived Vegetative Health Index showed most of northern Iraq's winter grain areas experiencing varying degrees of moderate to extreme stress. In contrast, long-term moisture supplies remained adequate for vegetative winter grains over northern and western Iran, despite several weeks of dry weather.



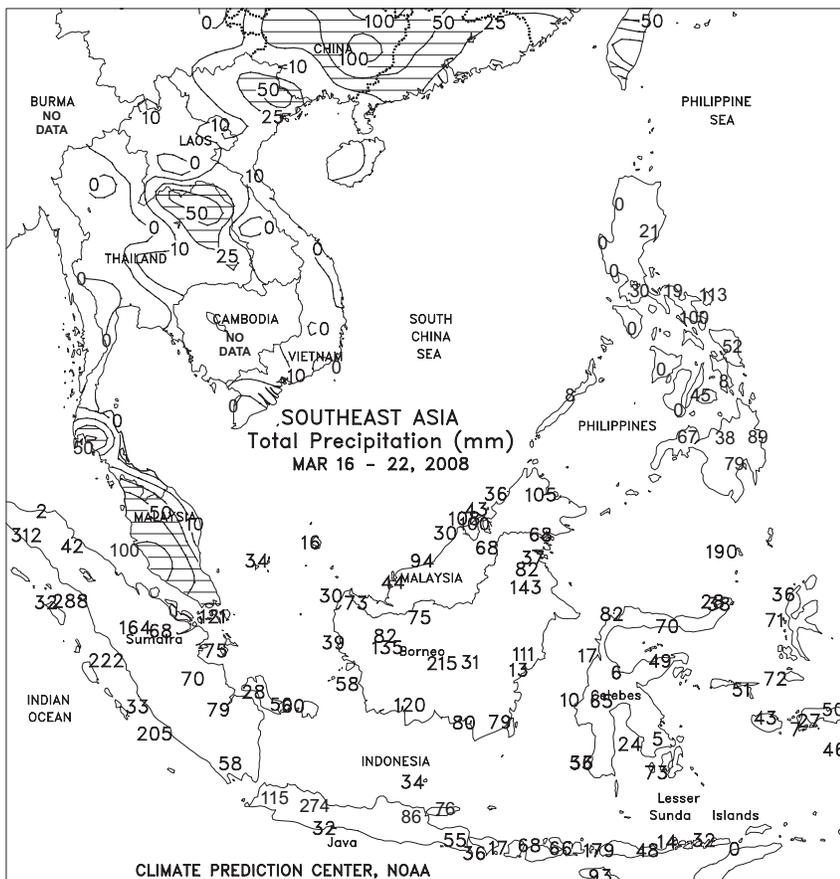
**AUSTRALIA**

Showers were few and far between in Queensland and northern New South Wales, marking the third consecutive week of mostly dry weather, marking the third consecutive week of mostly dry weather in major summer crop areas. The relatively dry weather allowed cotton and sorghum harvesting to continue with little delay and helped maintain the quality of maturing crops. The air was warmer than in recent weeks, with temperatures averaging near normal. Elsewhere, hot, generally dry weather in western and southeastern Australia provided no drought relief in major winter grain areas. The bulk of the Australian winter wheat and barley crops is typically planted during May and June each year.



**EASTERN ASIA**

Warm weather continued throughout China with temperatures 1 to 5 degrees C above normal. Average temperatures above 5 degrees C and minimum temperatures above freezing prevailed across major winter growing areas. The warm weather continued to aid the development of winter wheat and rapeseed as well as recently planted early double-crop rice in the south. Seasonably dry weather (less than 10 mm) prevailed on the North China Plain although soil moisture was likely adequate from seasonal irrigation. Light showers (10-25 mm) maintained favorable soil moisture for irrigated rapeseed in the Yangtze Valley and newly planted spring corn in the Sichuan Basin. In the south, heavy rainfall (25-200 mm) boosted moisture supplies for double-crop rice but slowed planting activities.



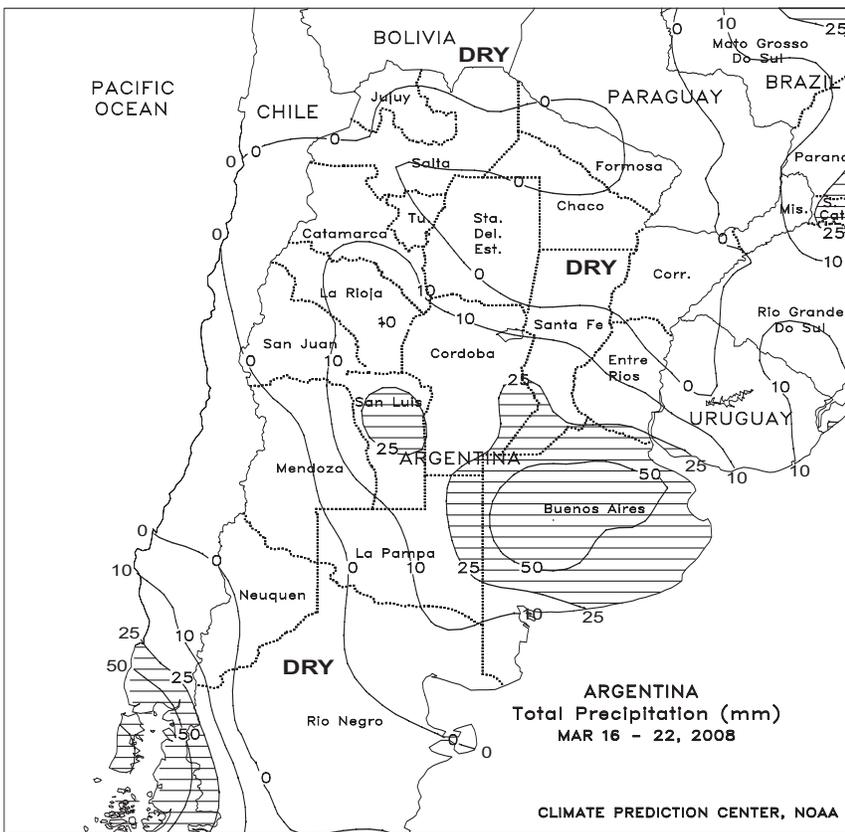
**SOUTHEAST ASIA**

Heavy monsoon showers continued across Indonesia, Malaysia, and the southern Philippines. In Indonesia and Malaysia, showers (50-200 mm, locally more) slowed oil palm harvesting and caused localized flooding. Likewise, in the southern Philippines, heavy rainfall (50-200 mm) caused localized flooding and slowed harvest activities for rice and corn. In contrast, lighter amounts of rain (25-50 mm) in the eastern Visayas provided a welcomed break to the persistent heavy downpours that have occurred over the last several weeks. In the north, mostly dry weather prevailed but soil moisture remained favorable for crops. In Vietnam, near- to above-normal temperatures and light showers (less than 25 mm) favored rice development in both northern and southern growing areas. Pre-monsoon showers (10-100 mm) in eastern Thailand increased soil moisture and provided a boost to reservoir levels ahead of the planting season that typically begins in May.



**BRAZIL**

Frequent, locally heavy showers (25-50 mm, with weekly accumulations exceeding 100 mm in some areas) fell over sections of central and southeastern Brazil (Mato Grosso southeastward through southern Minas Gerais and eastern Sao Paulo). While maintaining overall favorable moisture levels for development of second-crop grains, oilseeds, and cotton, the damp conditions were unfavorable for harvest of the main soybean crop. Farther south, drier weather (less than 25 mm) favored seasonal fieldwork in Parana, but no rain fell in key soybean areas of Rio Grande do Sul, where moisture remained limited for normal development of soybeans and other immature summer crops. Above-normal temperatures (highs in the lower and middle 30s degrees C) accompanied the dryness in Rio Grande do Sul, exacerbating the impact of the untimely dryness and accelerating crop maturation. Pockets of unseasonable dryness (rainfall totaling less than 25 mm) also returned to growing areas in and around western Bahia, following several weeks of beneficial rainfall. The rainy season should be winding down across Brazil's central soybean areas, although periodic heavy showers can be recorded well into April.



**ARGENTINA**

Late-week rain (10-25 mm, locally exceeding 50 mm) boosted moisture levels for soybeans and other immature summer crops throughout the main growing areas of central Argentina. The heaviest rain, which fell over a period of several days, was concentrated over central Buenos Aires. Prior to the rainfall, warmer-than-normal weather (temperatures averaging up to 4 degrees C above normal, with highs reaching the middle 30s degrees C in some locations) fostered rapid development of filling to maturing crops and spurred dry down and harvesting of corn and other early-planted grains and oilseeds. Warm, dry weather (highs in the middle and upper 30s degrees C) also promoted summer crop development in the cotton region of northern Argentina, although showers were advancing toward the region at week's end. According to Argentina's ministry of agriculture (SAGPyA), sunflowers were 56 percent harvested as of March 20, compared with 79 percent last year. Harvesting was 28 percent complete in Buenos Aires (Argentina's leading producer of sunseed), well below last year's pace (67 percent harvested as of March 22, 2007). Corn was 16 percent harvested nationwide, on par with last year's pace.

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