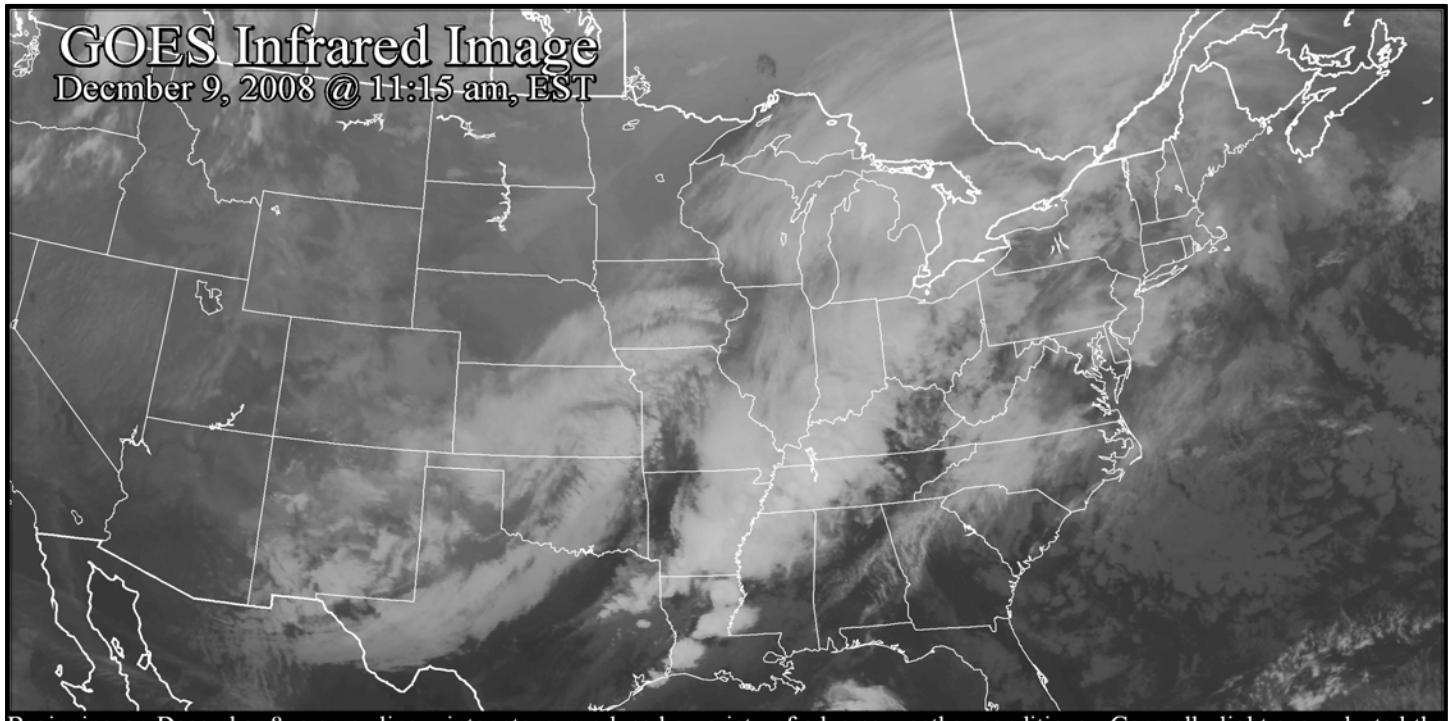
Volume 95, No. 50 http://www.usda.gov/oce/waob/jawf/wwcb.html December 9, 2008

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



Beginning on December 8, a sprawling winter storm produced a variety of adverse weather conditions. Generally light snow dusted the Plains, while rain and frozen precipitation (snow, sleet, and freezing rain) affected the Midwest. From the middle Missouri Valley into the Great Lakes region, snow fell atop earlier accumulations. By dawn on December 9, snow depths had reached 13 inches in Green Bay, WI, and 11 inches in Muskegon, MI. Meanwhile, severe thunderstorms erupted across the southeastern Plains on the night of December 8-9 and spread into the lower Mississippi Valley the following day. Details of the storm's impact on U.S. agriculture will appear next week.

HIGHLIGHTS

November 30 - December 6, 2008

Highlights provided by USDA/WAOB

For the third consecutive week, chilly conditions in the **East** contrasted with warmth in the **West**. Weekly temperatures ranged from as much as 10°F below normal in the **central and southern Appalachians** to 10°F above normal at a few locations across the **Intermountain West**. Mostly dry weather accompanied the **Western** warmth, except for some snow in the **northern and central Rockies**. Pockets of unfavorable dryness persisted in **Northwestern** winter wheat areas,

(Continued on page 3)

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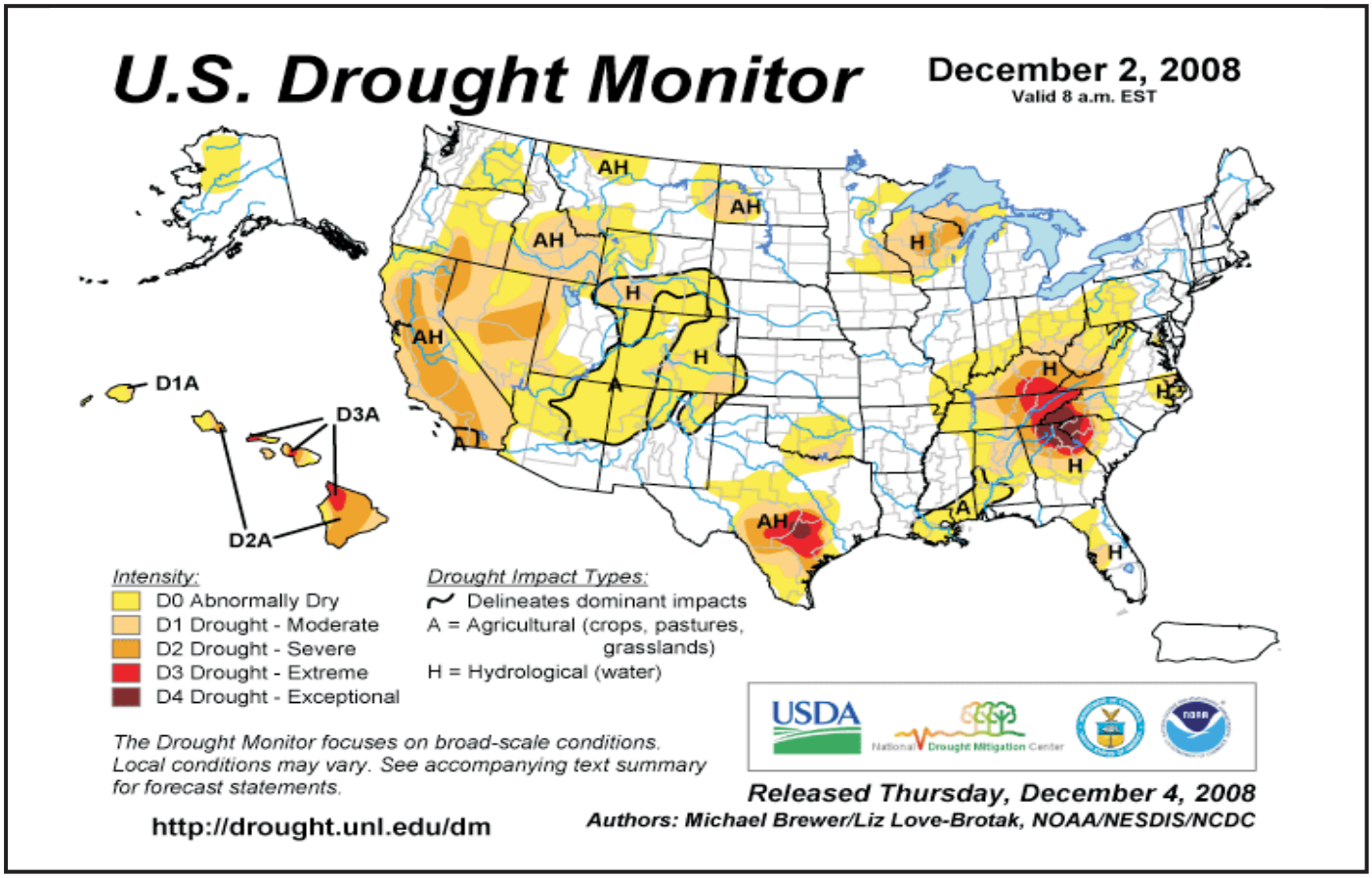
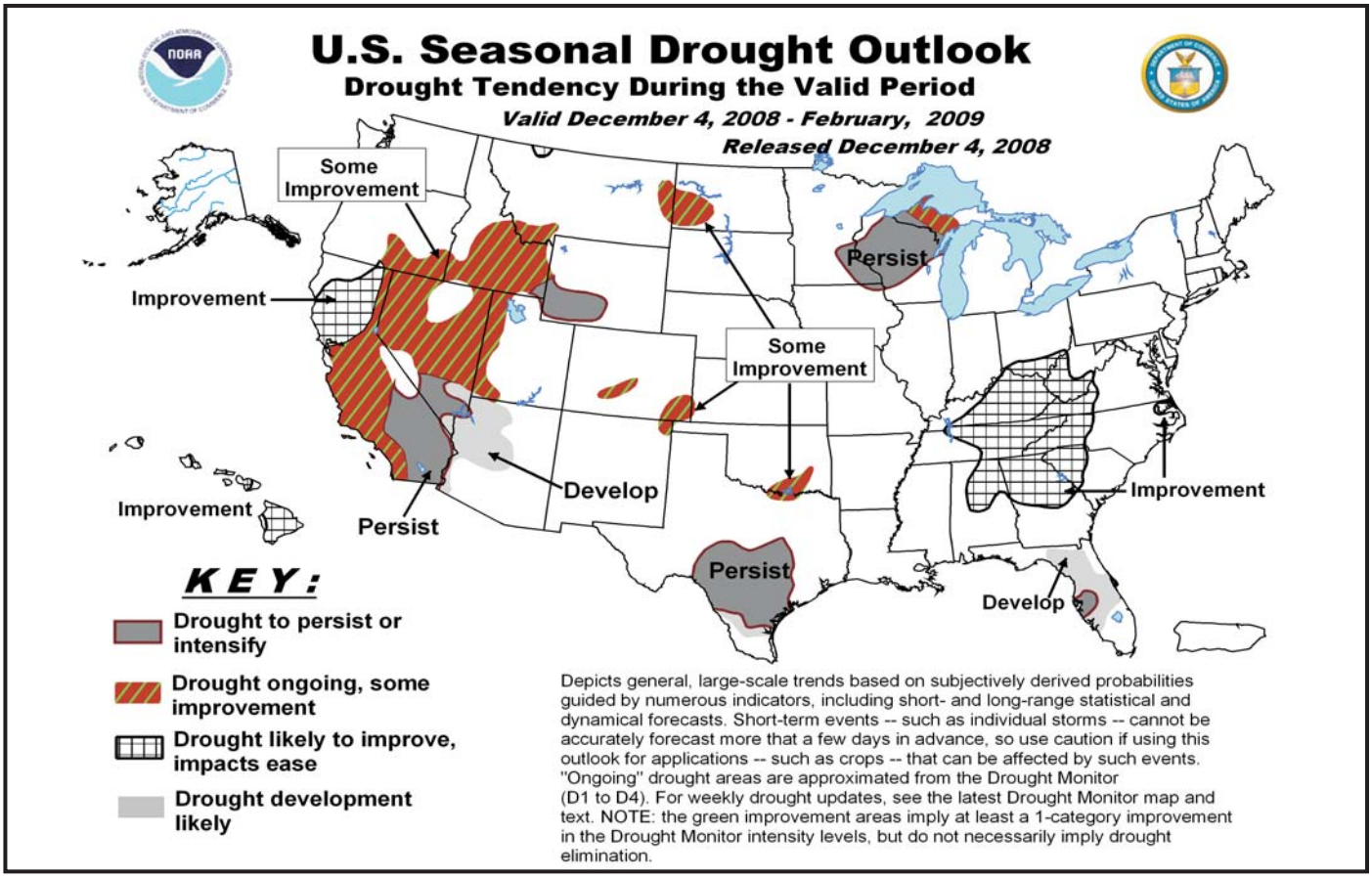
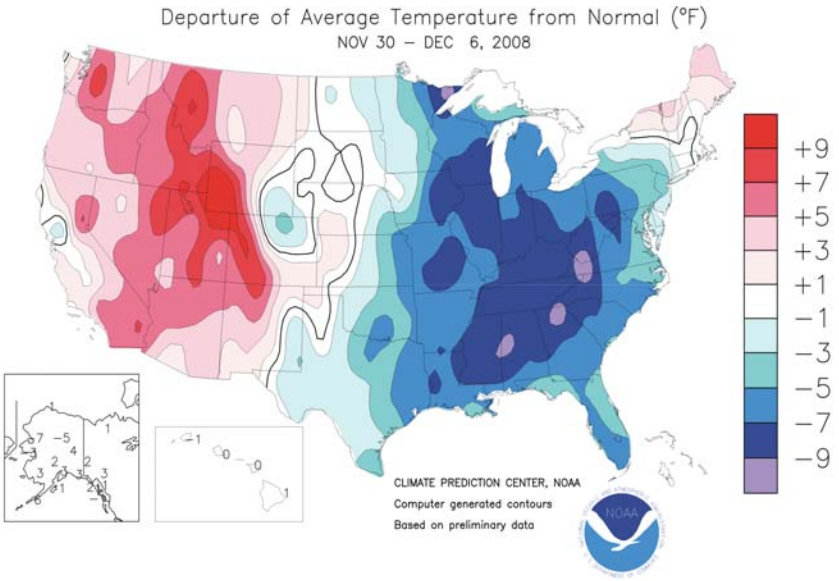

U.S. Drought Monitor
December 2, 2008
Valid 8 a.m. EST
AH
H
A
D1A
D2A
D3A
Intensity:
D0 Abnormally Dry
D1 Drought - Moderate
D2 Drought - Severe
D3 Drought - Extreme
D4 Drought - Exceptional
Drought Impact Types:
Delineates dominant impacts
A = Agricultural (crops, pastures, grasslands)
H = Hydrological (water)
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.
http://drought.unl.edu/dm
USDA
National Drought Mitigation Center
Released Thursday, December 4, 2008
Authors: Michael Brewer/Liz Love-Brotak, NOAA/NESDIS/NCDC


U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid December 4, 2008 - February, 2009
Released December 4, 2008
Some Improvement
Improvement
Persist
Develop
Some Improvement
Improvement
Persist
Persist
Develop
Improvement
KEY:
Drought to persist or intensify
Drought ongoing, some improvement
Drought likely to improve, impacts ease
Drought development likely
Depicts general, large-scale trends based on subjectively derived probabilities guided by numerous indicators, including short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more that a few days in advance, so use caution if using this outlook for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4). For weekly drought updates, see the latest Drought Monitor map and text. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.

(Continued from front cover)

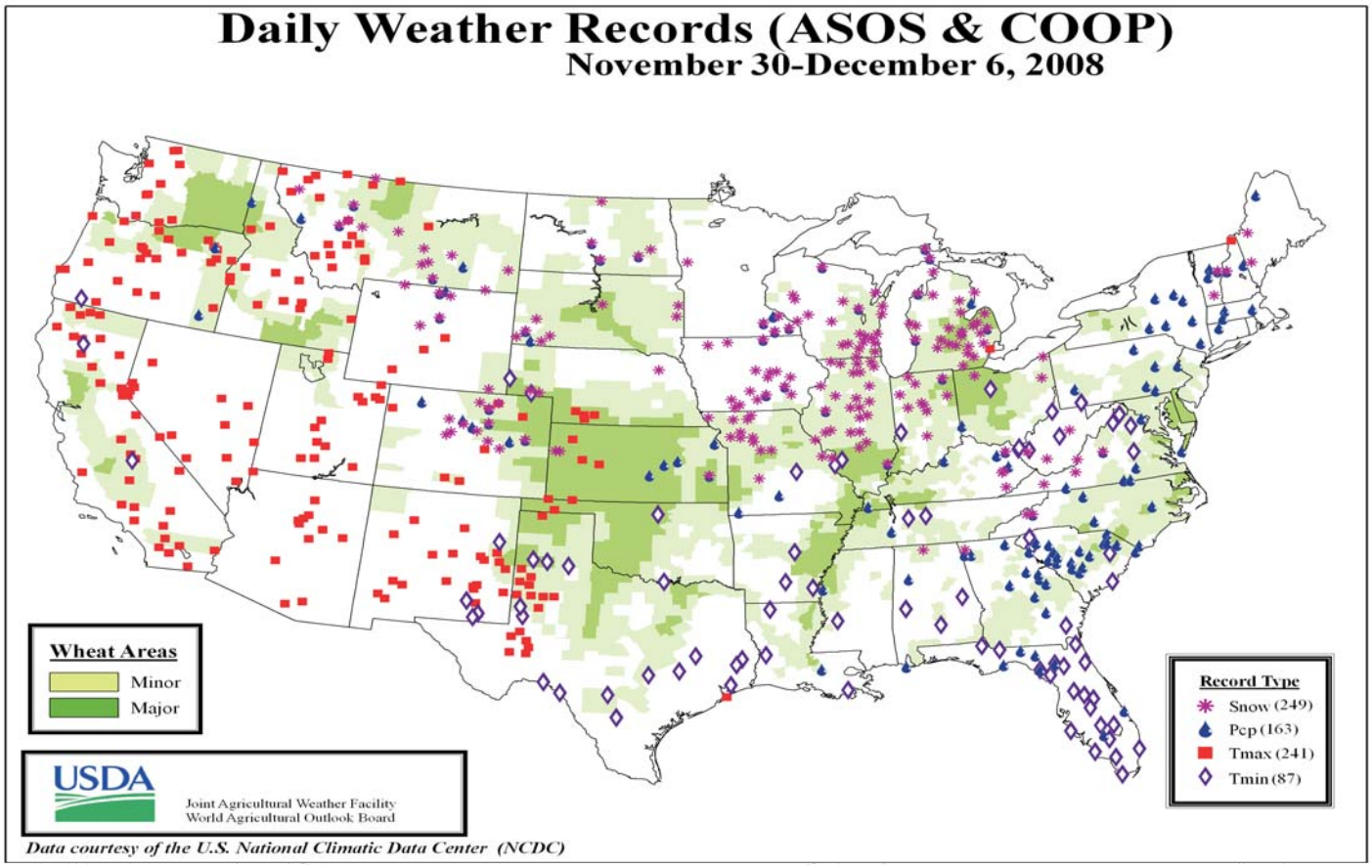


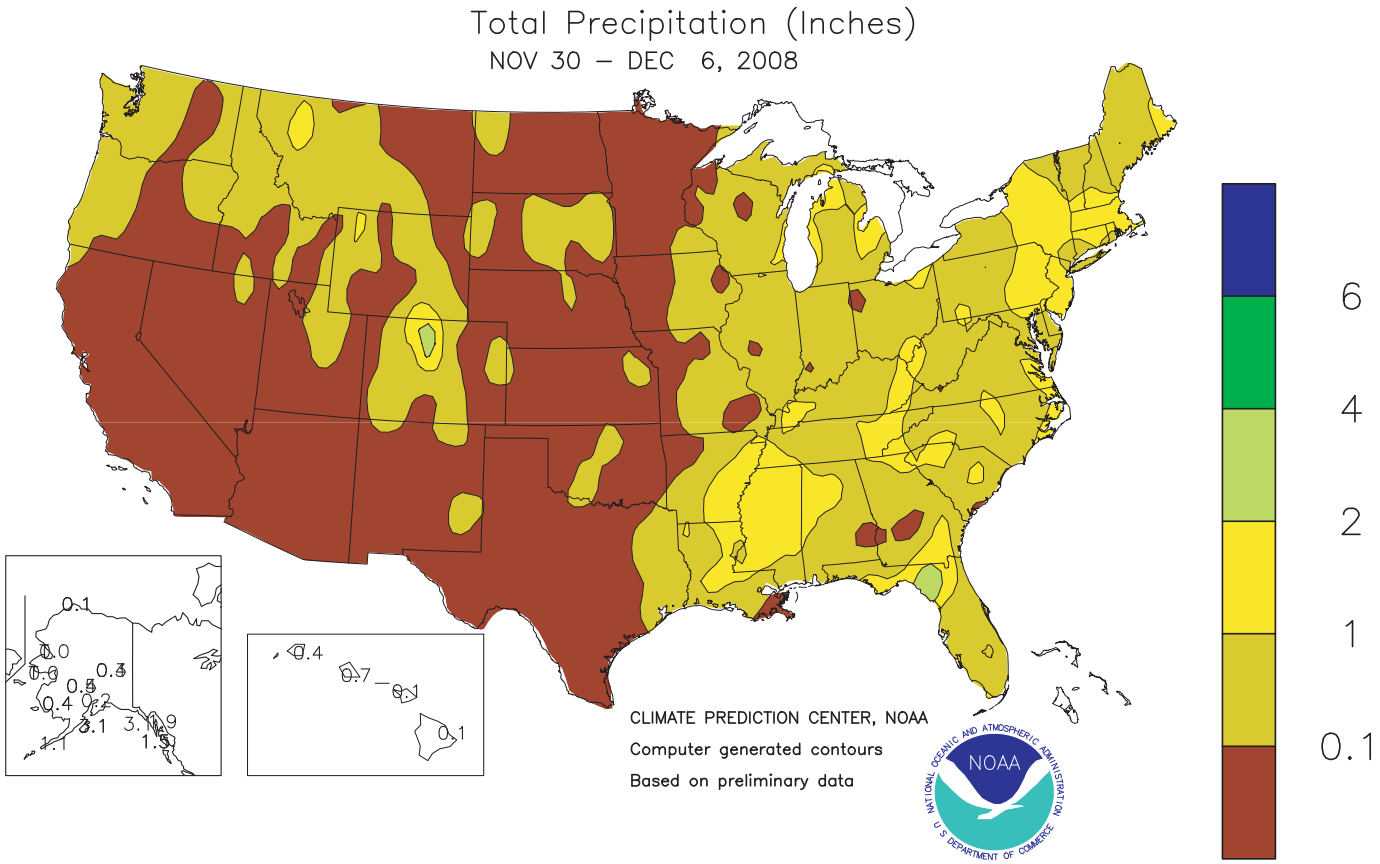
while conditions were nearly ideal for cotton harvesting and other late-autumn fieldwork in **California** and the **Southwest**. Meanwhile, winter wheat moved deeper into dormancy under generally favorable moisture conditions on the **northern and central Plains**, while drought intensified across the **southeastern Plains**. Unlike the remainder of the **nation's mid-section**, the drought-affected wheat areas—mainly across **central portions of Oklahoma and Texas**—did not receive much rain during the key crop establishment period in September and October. Farther east, cold, snowy weather affected much of the **Midwest**, with significant accumulations noted from **central Iowa and southeastern Minnesota into Michigan**. Locally heavy snow also fell downwind of the **Great Lakes**. In the **upper Midwest**, frozen fields and mostly shallow snow depths allowed corn harvesting to near completion. Elsewhere, occasional showers accompanied cold weather across the **South** and **East**. Some snow fell in the **Northeast**, mainly at week's end. In the **Southeast**, additional freezes as far south as the **central Gulf Coast region** (on December 2) and **northern Florida** (on December 3) continued to limit the growth of pastures and winter grains.

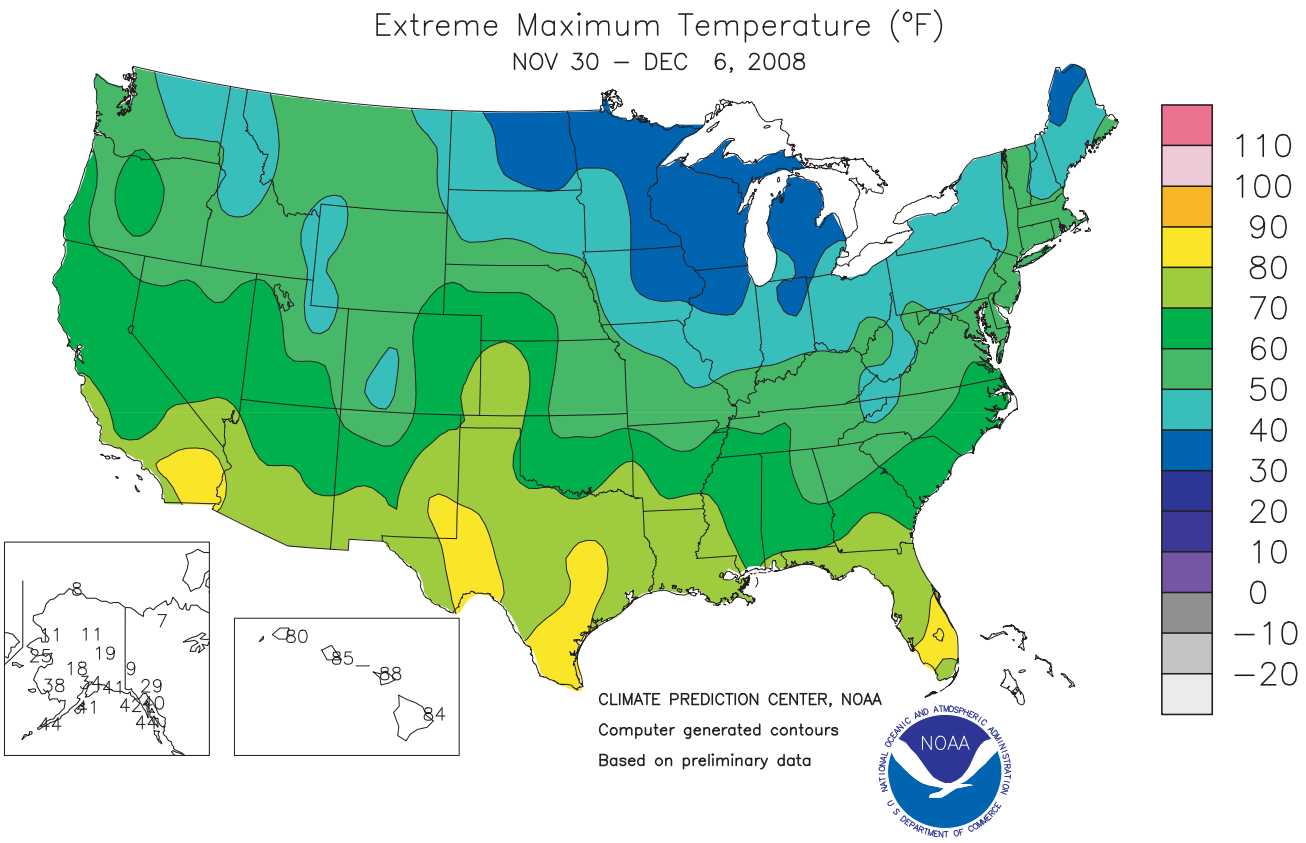
Early in the week, heavy showers lingered across the **Southeast**, while snow blanketed parts of the **Midwest**. Daily-record rainfall totals for November 30 included 2.59 inches in **Key West, FL**, and 1.62 inches in **Columbia, SC. Orlando, FL** (0.61 inch on November 30; 0.48 inch from November 1-29) received more rain on the last day of November than the first 29 days of the month. Farther north, snowfall records for November 30 included 4.6 inches in **Peoria, IL**, and 2.4 inches in **St. Louis, MO.** Meanwhile on the **Plains**, windy weather accompanied a warming trend. In **Nebraska**, the last day of November featured wind gusts to 59 m.p.h. in both **McCook** and **Ogallala**. In the **West Coast States**, daily-record highs for November 30 reached 72°F in **San Jose, CA**, and 66°F in **Tillamook, OR.** A day later, spreading warmth resulted in daily-record highs for December 1 in locations such as **Paso Robles, CA** (78°F); **Redmond, OR** (67°F); **Reno, NV** (66°F); **Flagstaff, AZ** (66°F); and **Helena, MT** (60°F). Later, record-setting warmth reached as far east as the **central High Plains**, while snow developed across the **north-central U.S.** On December 2, **McCook** (70°F) notched a daily-record high, while **Billings, MT** (4.6 inches), collected a daily-record snowfall.

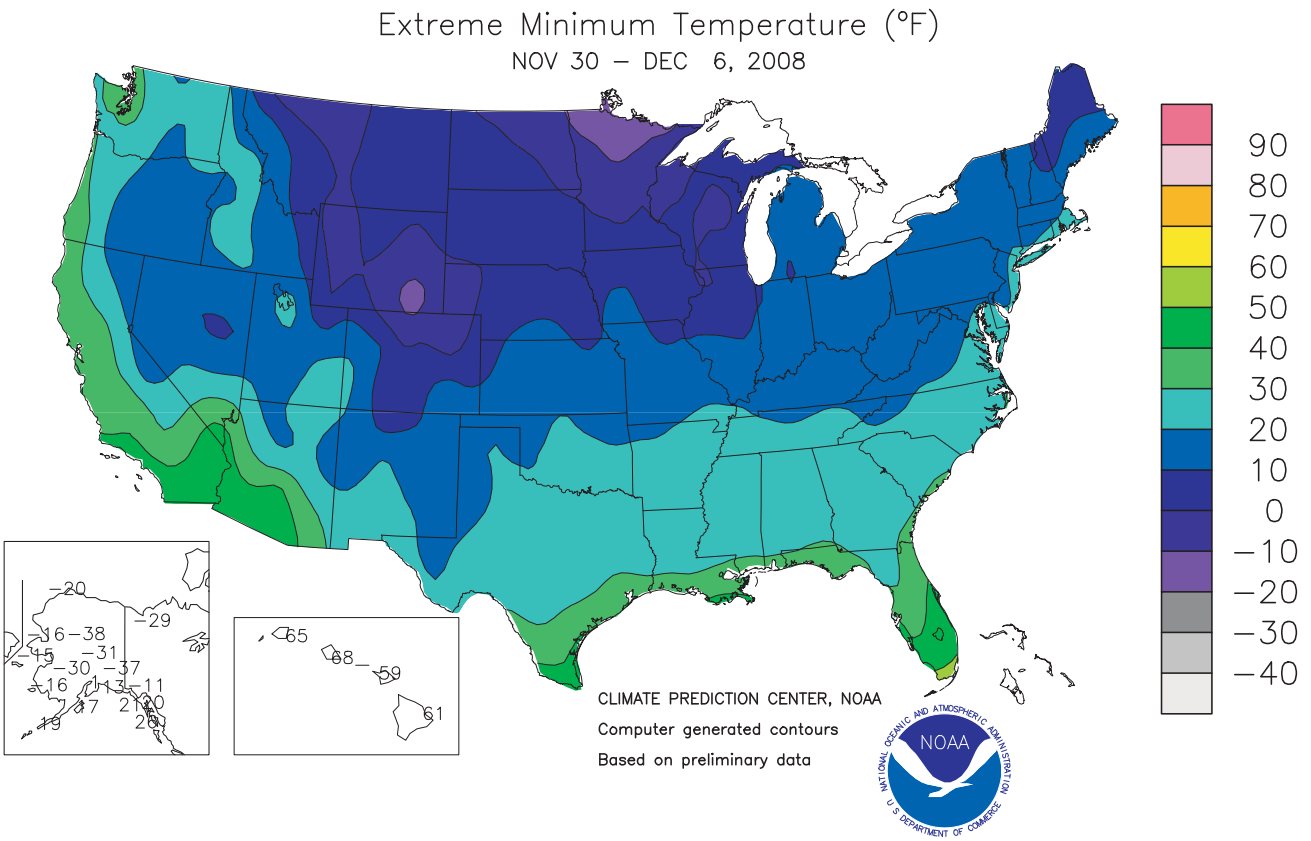
In contrast, chilly air again settled across the **South**, where **Austin (Bergstrom), TX**, tallied a daily-record low of 25°F on December 2. The following day, record lows in **Florida** included 29°F in **Archbold** and 36°F in **Lakeland**. During the second half of the week, much colder weather returned to the **Plains**, while dry weather persisted in the **West**. **Denver, CO** (-5°F on December 4, along with 3.6 inches of snow), posted a daily-record low, just 2 days after reaching 69°F. On December 4 in **California**, dry conditions contributed to a daily-record low (28°F) in **Redding** and a daily-record high (72°F) in **Red Bluff**. Toward week's end, the coldest air of the year swept across parts of the **Midwest** and **East**. On December 4, **La Crosse, WI**, noted its first sub-zero temperature of the year (-2°F), 12 days earlier than normal. It was **La Crosse's** earliest sub-zero reading since November 7, 1992. Temperatures remained below 20°F on December 5 as far south as **Fort Wayne, IN**, where the high was 19°F. Meanwhile, snow squalls returned to areas downwind of the **Great Lakes**, where **Muskegon, MI** (11.2 inches), received a daily-record snowfall for December 6. With the late-week wintry blast, **Muskegon's** weekly snowfall climbed to 21.3 inches.

Across **Hawaii's western islands**, heavy November rainfall gave way to diminishing showers in early December. The November rainfall total of 6.05 inches in **Lihue, Kauai**, accounted for 30 percent of the year-to-date sum. Meanwhile, mostly dry weather persisted elsewhere in **Hawaii**. On the **Big Island**, **Hilo's** March-November rainfall totaled just 43.87 inches (45 percent of normal). **Hilo** netted just 0.05 inch (2 percent of normal) during the first 6 days of December. Meanwhile, the January 1 - December 6 rainfall in **Kahului, Maui**, totaled only 4.50 inches (28 percent of normal). Farther north, bitterly cold conditions gradually eased across **Alaska's mainland**, accompanied by some light snow. Daily-record **Alaskan** snowfall totals included 4.8 inches (on December 5) in **Bettles** and 2.8 inches (on December 6) in **Fairbanks**. Temperatures in **Fairbanks** ranged from -31°F on December 2 to 19°F on December 6. By December 4, **King Salmon** (45°F) posted a daily-record high. Meanwhile, heavy precipitation briefly affected **southeastern Alaska**, where **Yakutat** noted December 3-4 totals of 2.37 inches of precipitation and 9.6 inches of snow.


Daily Weather Records (ASOS & COOP)
November 30-December 6, 2008
Wheat Areas
Minor
Major
Record Type
Snow (249)
Pcp (163)
Tmax (241)
Tmin (87)
USDA
Joint Agricultural Weather Facility
World Agricultural Outlook Board
Data courtesy of the U.S. National Climatic Data Center (NCDC)


Total Precipitation (Inches)
NOV 30 – DEC 6, 2008
6
4
2
1
0.1
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data
NOAA


Extreme Maximum Temperature (°F)
NOV 30 – DEC 6, 2008
110
100
90
80
70
60
50
40
30
20
10
0
−10
−20
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data
NOAA


Extreme Minimum Temperature (°F)
NOV 30 – DEC 6, 2008
90
80
70
60
50
40
30
20
10
0
−10
−20
−30
−40
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data
NOAA

Agricultural Weather Data Compiled by USDA's Stoneville Field Office

Weather Data for the Week Ending December 6, 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			
																	TEMP. ˚F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE DEC01	PCT. NORMAL SINCE DEC01	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
MISSISSIPPI																				
ND	TUNICA 1W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LYON	49	31	66	26	40	-	0.73	-	0.53	0.73	-	-	-	48	42	0	4	3	1
	VANCE	48	32	64	27	40	-	0.82	-	0.39	0.82	-	-	-	49	42	0	5	4	0
	PERTHSHIRE	49	31	67	26	40	-	1.14	-	0.78	1.14	-	-	-	48	40	0	4	3	1
	SCOTT	51	32	70	26	42	-	1.04	-	0.65	1.04	-	-	-	48	40	0	3	3	1
	SANDY RIDGE	50	33	66	26	41	-	0.90	-	0.41	0.90	-	-	-	50	-	0	3	3	0
NE	VERONA	50	31	62	24	40	-	1.01	-	0.81	1.01	-	38.26	-	49	39	0	4	2	1
SD	STONEVILLE x	50	33	69	29	42	-6	1.24	-0.02	1.24	1.24	115	51.72	106	53	42	0	4	1	1
	INDIANOLA 1S*	51	33	68	29	42	-	1.45	-	0.91	1.45	-	41.79	-	50	43	0	3	3	1
	INVERNESS 5E	51	33	68	28	42	-	1.51	-	1.20	1.51	-	41.18	-	51	44	0	3	3	1
	SIDON	52	34	67	29	43	-	1.55	-	1.16	1.55	-	-	-	55	47	0	3	3	1
	NORTH ISSAQUENA	52	33	71	29	43	-	1.23	-	0.84	1.23	-	-	-	52	45	0	3	2	1
	SILVER CITY	52	33	70	28	42	-	1.48	-	1.20	1.48	-	50.25	-	50	43	0	4	2	1
	ONWARD	52	34	71	29	43	-	1.02	-	0.86	1.02	-	-	-	53	44	0	3	2	1
	MAYDAY	53	33	70	28	43	-	1.09	-	0.97	1.09	-	-	-	51	44	0	3	2	1
MISSOURI																				
NW	CORNING	39	19	54	11	29	-4	0.09	-0.31	0.09	0.00	0	30.01	88	-	-	0	7	1	0
	ALBANY	36	15	49	6	27	-7	0.02	-0.38	0.02	0.02	6	37.93	110	36	35	0	7	1	0
	ST. JOSEPH	37	20	50	13	29	-6	0.01	-0.43	0.01	0.01	3	38.70	110	-	-	0	7	1	0
NC	LINNEUS	36	18	48	10	28	-6	0.31	-0.12	0.30	0.01	3	56.49	159	36	35	0	7	2	0
	BRUNSWICK	38	19	50	11	29	-6	0.19	-0.24	0.19	0.00	0	45.58	124	36	35	0	7	1	0
NE	NOVELTY	34	17	44	8	27	-8	0.30	-0.24	0.30	0.00	0	54.29	158	35	34	0	7	1	0
	MONROE CITY	36	19	46	10	28	-7	0.23	-0.30	0.23	0.00	0	51.54	147	36	34	0	7	1	0
WC	GREEN RIDGE	40	20	53	13	30	-7	0.11	-0.64	0.11	0.00	0	48.86	123	37	34	0	7	1	0
C	AUXVASSE	37	20	48	12	29	-7	0.29	-0.37	0.16	0.19	30	58.71	158	38	36	0	7	3	0
	COL-SANBORN FLD	38	22	51	15	31	-7	0.26	-0.42	0.25	0.01	2	54.78	141	37	34	0	7	2	0
	WILLIAMSBURG	38	20	50	11	30	-7	0.24	-0.64	0.23	0.01	1	50.96	118	32	31	0	7	2	0
	COL-JEFFERS F&G	38	20	51	12	30	-8	0.23	-0.45	0.22	0.01	2	-	-	37	35	0	7	2	0
	COL SOUTH FARMS	38	20	51	11	30	-8	0.26	-0.42	0.25	0.01	2	54.64	142	-	-	0	7	2	0
	VERSAILLES	40	21	54	14	31	-8	0.07	-0.55	0.07	0.00	0	51.49	130	39	36	0	7	1	0
EC	VANDALIA	37	20	48	12	29	-8	0.35	-0.37	0.34	0.01	2	*	*	35	33	0	7	2	0
SW	LAMAR	42	24	53	17	33	-6	0.04	-0.59	0.04	0.00	0	57.49	128	41	37	0	7	1	0
SC	COOK STATION	40	20	50	14	31	-9	0.25	-0.63	0.16	0.18	25	50.00	122	42	40	0	7	3	0
	MOUNTAIN GROVE	39	22	49	16	31	-8	0.20	-0.98	0.18	0.19	20	50.81	112	41	38	0	7	3	0
SE	DELTA	41	26	52	20	34	-7	0.18	-0.74	0.14	0.14	18	54.10	129	41	36	0	6	2	0
	CHARLESTON	42	27	55	22	35	-5	1.00	0.11	0.95	0.95	122	38.95	92	40	34	0	5	2	1
	GLENNONVILLE	44	29	56	24	36	-7	0.58	-0.41	0.58	0.58	68	37.43	96	42	36	0	5	1	1
	CLARKTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PORTAGEVILLE DC	44	30	58	25	36	-7	1.32	0.38	1.28	1.28	159	39.96	94	45	37	0	5	2	1
	PORTAGEVILLE LF	44	30	60	25	36	-7	1.32	0.39	1.25	1.27	159	40.12	94	44	37	0	5	4	1
	STEELE	45	29	61	23	37	-6	1.32	0.19	1.29	1.31	134	39.10	87	44	36	0	5	3	1
	CARDWELL	45	28	60	22	36	-7	1.07	0.20	1.06	1.06	134	38.23	88	46	37	0	5	2	1

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

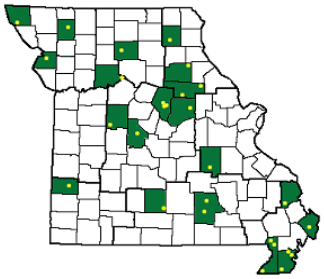
Data are preliminary and subject to revision.

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; SC = South Central. (Col-Columbia, Col-Jeffers F&G=Columbia Jefferson Farm and Gardens)

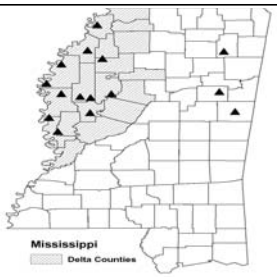
Weather and Crop Summary for the Mississippi Delta: Colder-than-normal weather continued, following the pattern of 2 of the 3 previous weeks. Stoneville's weekly temperature averaged 6 degrees F below normal. Rain arrived at mid-week and totaled about an inch, with slightly lower amounts in the northern Delta.

Missouri Weather Stations



Note: For information on the weather stations in Missouri, please visit:
http://agebb.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

National Weather Data for Selected Cities

Weather Data for the Week Ending December 6, 2008

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

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC01	PCT. NORMAL SINCE DEC01	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	50	31	61	25	41	-8	1.13	0.09	0.73	0.73	82	55.16	109	83	43	0	5	2	1
	HUNTSVILLE	49	30	60	24	39	-8	0.48	-0.83	0.39	0.42	38	39.94	75	84	59	0	5	3	0
	MOBILE	61	37	70	30	49	-6	0.21	-0.99	0.12	0.12	12	70.07	112	81	45	0	1	2	0
	MONTGOMERY	56	34	64	28	45	-7	0.43	-0.80	0.31	0.31	30	51.50	101	85	43	0	4	2	0
AK	ANCHORAGE	26	16	34	1	21	2	0.21	-0.01	0.15	0.06	32	14.65	96	84	77	0	7	4	0
	BARROW	1	-13	8	-20	-6	1	0.06	0.06	0.06	0.00	0	4.95	123	89	75	0	7	1	0
	FAIRBANKS	9	-8	19	-31	1	5	0.33	0.19	0.27	0.29	242	13.98	144	82	77	0	7	3	0
	JUNEAU	36	28	40	20	32	1	1.85	0.68	0.88	1.61	161	71.26	132	96	91	0	5	4	2
	KODIAK	37	29	41	17	33	1	3.14	1.58	2.11	3.13	234	82.19	119	87	80	0	3	6	2
	NOME	17	1	25	-15	9	-3	0.02	-0.23	0.02	0.02	10	9.94	63	78	63	0	7	1	0
AZ	FLAGSTAFF	56	22	66	15	39	7	0.00	-0.41	0.00	0.00	0	14.80	69	81	20	0	7	0	0
	PHOENIX	74	50	78	47	62	6	0.00	-0.17	0.00	0.00	0	8.63	115	72	40	0	0	0	0
	PRESCOTT	61	30	67	24	46	7	0.00	-0.28	0.00	0.00	0	11.94	66	77	20	0	5	0	0
	TUCSON	73	43	80	40	58	4	0.00	-0.17	0.00	0.00	0	7.69	68	69	39	0	0	0	0
AR	FORT SMITH	52	28	71	23	40	-5	0.00	-0.99	0.00	0.00	0	56.20	136	76	38	0	6	0	0
	LITTLE ROCK	51	32	66	27	41	-5	0.80	-0.48	0.78	0.78	72	54.58	115	85	44	0	5	2	1
CA	BAKERSFIELD	54	45	64	40	50	1	0.00	-0.14	0.00	0.00	0	2.87	49	94	86	0	0	0	0
	FRESNO	53	43	67	40	48	1	0.00	-0.25	0.00	0.00	0	8.22	81	90	85	0	0	0	0
	LOS ANGELES	66	53	77	50	60	1	0.00	-0.32	0.00	0.00	0	8.85	76	87	67	0	0	0	0
	REDDING	65	35	72	28	50	3	0.00	-0.94	0.00	0.00	0	18.43	62	90	66	0	2	0	0
	SACRAMENTO	55	40	66	33	47	-1	0.00	-0.51	0.00	0.00	0	12.11	76	98	76	0	0	0	0
	SAN DIEGO	67	55	76	52	61	2	0.00	-0.22	0.00	0.00	0	8.22	85	85	67	0	0	0	0
	SAN FRANCISCO	60	48	62	43	54	3	0.00	-0.58	0.00	0.00	0	13.28	75	90	78	0	0	0	0
	STOCKTON	54	41	58	33	48	0	0.01	-0.38	0.01	0.01	3	8.51	69	94	90	0	0	1	0
CO	ALAMOSA	46	13	57	5	29	8	0.00	-0.08	0.00	0.00	0	5.37	77	86	49	0	7	0	0
	CO SPRINGS	46	23	65	13	35	4	0.14	0.08	0.11	0.03	60	13.31	78	80	38	0	6	2	0
	DENVER INTL	46	17	69	-5	31	0	0.10	0.03	0.07	0.07	117	10.50	79	81	47	0	6	2	0
	GRAND JUNCTION	49	28	53	23	38	6	0.00	-0.11	0.00	0.00	0	7.02	82	84	59	0	7	0	0
	PUEBLO	47	20	71	7	34	1	0.02	-0.06	0.02	0.00	0	10.92	90	74	52	0	7	1	0
CT	BRIDGEPORT	44	32	53	23	38	-1	0.50	-0.28	0.33	0.17	26	41.24	100	82	54	0	4	4	0
	HARTFORD	44	26	57	16	35	0	0.89	0.05	0.67	0.22	31	56.14	130	86	51	0	6	2	1
DC	WASHINGTON	45	32	53	24	39	-5	0.77	0.10	0.73	0.04	7	43.37	118	82	55	0	3	2	1
DE	WILMINGTON	47	30	57	20	39	-1	0.90	0.13	0.81	0.09	14	36.16	90	88	51	0	4	4	1
FL	DAYTONA BEACH	71	51	79	38	61	-2	0.27	-0.32	0.14	0.15	29	42.53	90	91	47	0	0	3	0
	JACKSONVILLE	65	42	73	29	53	-5	0.79	0.24	0.71	0.08	17	58.23	116	93	53	0	1	3	1
	KEY WEST	75	64	82	58	69	-5	2.65	2.20	2.59	0.06	15	41.18	111	88	66	0	0	3	1
	MIAMI	76	60	80	51	68	-4	0.25	-0.31	0.22	0.03	6	62.91	111	85	56	0	0	3	0
	ORLANDO	72	50	78	39	61	-4	0.70	0.15	0.62	0.08	17	56.61	122	91	51	0	0	2	1
	PENSACOLA	62	40	72	33	51	-6	0.85	-0.05	0.74	0.11	14	54.00	88	84	44	0	0	2	1
	TALLAHASSEE	63	39	71	27	51	-5	1.00	0.15	0.79	0.21	29	61.15	102	86	56	0	3	3	1
	TAMPA	72	53	77	41	63	-3	0.60	0.09	0.28	0.32	73	44.30	103	85	51	0	0	4	0
	WEST PALM BEACH	75	55	81	46	65	-5	0.58	-0.39	0.52	0.06	7	58.56	99	85	54	0	0	2	1
GA	ATHENS	50	29	55	22	39	-9	0.65	-0.15	0.52	0.13	19	35.07	78	88	53	0	5	2	1
	ATLANTA	48	32	53	28	40	-9	0.57	-0.34	0.38	0.19	24	40.87	87	81	52	0	4	2	0
	AUGUSTA	59	31	69	25	45	-5	1.57	1.00	1.55	0.02	4	42.90	102	87	47	0	5	2	1
	COLUMBUS	55	33	60	28	44	-8	0.33	-0.68	0.26	0.07	8	53.39	119	87	39	0	3	2	0
	MACON	58	33	68	26	45	-6	0.79	-0.04	0.77	0.02	3	46.59	112	88	45	0	5	2	1
	SAVANNAH	59	39	69	30	49	-5	0.66	0.16	0.57	0.09	21	48.02	102	87	59	0	1	2	1
HI	HILO	81	65	84	61	73	0	0.08	-3.06	0.03	0.05	2	90.12	76	84	73	0	0	3	0
	HONOLULU	81	70	85	68	76	0	0.68	0.11	0.64	0.64	131	8.02	50	82	72	0	0	2	1
	KAHULUI	85	65	88	59	75	1	0.07	-0.51	0.06	0.06	12	5.11	32	83	77	0	0	2	0
	LIHUE	79	68	80	65	74	0	0.36	-0.70	0.26	0.28	31	21.17	59	86	76	0	0	3	0
ID	BOISE	49	31	55	27	40	7	0.08	-0.25	0.08	0.08	29	7.85	71	91	74	0	4	1	0
	LEWISTON	47	35	57	25	41	5	0.05	-0.20	0.05	0.05	24	7.81	66	86	78	0	3	1	0
	POCATELLO	46	26	56	13	36	8	0.00	-0.25	0.00	0.00	0	8.38	72	89	63	0	4	0	0
IL	CHICAGO/O'HARE	32	18	39	7	25	-7	1.20	0.56	0.64	0.56	104	48.69	142	80	66	0	6	4	1
	MOLINE	33	14	37	2	23	-9	0.44	-0.12	0.33	0.11	23	45.55	125	82	69	0	7	3	0
	PEORIA	32	17	39	7	25	-8	0.40	-0.27	0.36	0.04	7	45.05	132	84	66	0	6	3	0
	ROCKFORD	31	14	37	1	23	-7	0.26	-0.30	0.12	0.14	29	42.94	123	84	70	0	6	3	0
	SPRINGFIELD	36	20	47	11	28	-7	0.29	-0.36	0.24	0.05	9	54.23	161	84	64	0	6	3	0
IN	EVANSVILLE	39	27	52	17	33	-7	0.42	-0.54	0.22	0.30	37	52.65	127	78	64	0	5	5	0
	FORT WAYNE	31	21	40	13	26	-8	0.38	-0.31	0.20	0.18	31	37.23	108	83	68	0	7	4	0
	INDIANAPOLIS	35	22	45	12	29	-7	0.48	-0.31	0.28	0.20	30	49.50	128	85	62	0	6	4	0
	SOUTH BEND	32	22	40	10	27	-6	0.32	-0.46	0.13	0.25	38	43.89	118	83	69	0	7	5	0
IA	BURLINGTON	36	19	44	9	28	-5	0.24	-0.33	0.24	0.00	0	45.03	124	78	57	0	6	1	0
	CEDAR RAPIDS	30	7	37	-1	19	-10	0.17	-0.26	0.13	0.04	11	48.69	151	94	73	0	7	3	0
	DES MOINES	33	15	42	9	24	-6	0.24	-0.12	0.20	0.04	13	52.48	156	76	64	0	7	2	0
	DUBUQUE	29	10	34	-1	20	-8	0.19	-0.29	0.11	0.08	20	44.31	129	84	76	0	7	3	0
	SIOUX CITY	36	13	54	6	25	-2	0.01	-0.18	0.01	0.01	6	32.86	129	75	60	0	7	1	0
	WATERLOO	30	8	35	2	19	-8	0.20	-0.14	0.16	0.04	14	51.78	160	83	73	0	7	4	0
KS	CONCORDIA	42	22	57	12	32	-2	0.00	-0.23	0.00	0.00	0	34.87	126	73	56	0	7	0	0
	DODGE CITY	48	25	72	16	36	0	0.01	-0.16	0.01	0.01	7	19.21	88	74	38	0	6	1	0
	GOODLAND	47	19	72	6	33	1	0.09	0.00	0.09	0.09	129	20.50	106	75	52	0	7	1	0
	TOPEKA	43	22	56	14	33	-3	0.02	-0.39	0.01	0.01	3	40.96	119	70	50	0	7	2	0

Based on 1971-2000 normals ***** Not Available**

Weather Data for the Week Ending December 6, 2008

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC01	PCT. NORMAL SINCE DEC01	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	46	24	55	19	35	-2	0.00	-0.33	0.00	0.00	0	59.97	205	72	50	0	7	0	0
KY	JACKSON	41	25	54	18	33	-9	0.93	-0.12	0.59	0.34	38	36.00	78	91	55	0	6	5	1
	LEXINGTON	40	25	53	16	32	-8	0.66	-0.25	0.40	0.26	33	47.35	111	83	72	0	6	5	0
	LOUISVILLE	41	27	54	19	34	-8	0.47	-0.43	0.30	0.37	48	46.95	113	82	55	0	6	4	0
	PADUCAH	42	26	56	19	34	-7	0.89	-0.26	0.77	0.79	81	51.23	112	81	51	0	5	3	1
LA	BATON ROUGE	61	37	75	30	49	-6	0.94	-0.22	0.94	0.94	95	51.75	88	84	37	0	1	1	1
	LAKE CHARLES	62	39	74	30	50	-6	0.44	-0.61	0.36	0.44	49	45.29	85	86	39	0	2	2	0
	NEW ORLEANS	62	43	74	33	52	-5	0.13	-1.14	0.12	0.12	11	51.91	86	75	55	0	0	2	0
	SHREVEPORT	56	33	72	25	44	-7	0.41	-0.64	0.41	0.41	46	48.48	102	84	38	0	4	1	0
ME	CARIBOU	33	18	39	0	26	4	0.85	0.14	0.76	0.85	139	45.12	129	93	68	0	7	4	1
	PORTLAND	42	26	47	18	34	2	0.74	-0.26	0.54	0.20	23	60.27	142	82	51	0	6	3	1
MD	BALTIMORE	46	28	56	18	37	-3	0.79	0.05	0.70	0.09	14	41.96	107	81	55	0	5	4	1
MA	BOSTON	48	34	60	27	41	2	1.00	0.14	0.91	0.09	12	47.09	119	72	46	0	3	2	1
	WORCESTER	41	27	54	18	34	1	0.83	-0.04	0.72	0.11	15	57.67	125	83	46	0	5	3	1
MI	ALPENA	29	18	38	13	23	-6	0.61	0.20	0.27	0.47	134	30.37	113	89	74	0	7	4	0
	GRAND RAPIDS	32	23	38	14	27	-5	0.43	-0.32	0.24	0.19	30	44.21	126	86	71	0	7	6	0
	HOUGHTON LAKE	27	17	33	10	22	-7	0.36	-0.07	0.19	0.17	47	31.95	118	90	76	0	7	5	0
	LANSING	31	22	38	13	26	-6	0.57	-0.02	0.23	0.34	67	34.08	114	85	72	0	7	6	0
	MUSKEGON	34	25	40	18	29	-4	0.52	-0.16	0.20	0.32	55	40.39	131	85	68	0	7	4	0
	TRAVERSE CITY	30	22	36	16	26	-5	0.77	0.19	0.35	0.56	112	27.89	89	94	72	0	7	4	0
MN	DULUTH	21	6	33	-4	14	-6	0.06	-0.26	0.06	0.06	22	29.76	98	79	61	0	7	1	0
	INT'L FALLS	19	0	37	-18	9	-6	0.06	-0.14	0.06	0.06	35	26.52	113	85	66	0	7	1	0
	MINNEAPOLIS	27	12	38	4	20	-4	0.10	-0.18	0.04	0.08	33	22.21	78	75	64	0	7	5	0
	ROCHESTER	29	7	35	-1	18	-5	0.20	-0.12	0.10	0.10	37	32.78	107	81	72	0	7	5	0
	ST. CLOUD	26	8	40	-3	17	-3	0.02	-0.17	0.01	0.02	13	26.79	101	84	54	0	7	2	0
MS	JACKSON	55	33	70	27	44	-7	1.03	-0.19	1.03	1.03	99	53.30	103	87	43	0	3	1	1
	MERIDIAN	56	30	68	26	43	-9	1.07	-0.16	1.06	1.07	102	53.44	98	93	49	0	5	2	1
	TUPELO	50	30	62	24	40	-7	1.05	-0.32	0.83	0.84	71	50.46	99	86	56	0	4	3	1
MO	COLUMBIA	38	19	49	11	29	-7	0.08	-0.64	0.06	0.02	3	59.39	155	86	57	0	7	3	0
	KANSAS CITY	39	20	52	11	29	-6	0.07	-0.39	0.07	0.00	0	45.97	125	79	51	0	7	1	0
	SAINT LOUIS	40	24	49	16	32	-6	0.48	-0.33	0.36	0.12	17	58.56	160	82	62	0	6	4	0
	SPRINGFIELD	41	22	53	15	32	-8	0.07	-0.91	0.04	0.03	4	64.90	152	82	61	0	7	2	0
MT	BILLINGS	41	23	54	7	32	3	0.39	0.26	0.32	0.39	355	13.08	92	76	47	0	5	2	0
	BUTTE	39	17	53	1	28	8	0.09	-0.02	0.08	0.09	100	9.44	76	93	47	0	6	2	0
	CUT BANK	41	20	58	-5	30	6	0.04	-0.02	0.04	0.04	80	12.81	105	79	47	0	6	1	0
	GLASGOW	36	14	53	8	25	5	0.07	0.01	0.04	0.07	140	12.85	118	82	63	0	7	3	0
	GREAT FALLS	44	22	58	-2	33	6	0.32	0.21	0.28	0.32	356	14.65	102	83	40	0	5	2	0
	HAVRE	40	17	56	-2	29	6	0.07	-0.01	0.05	0.07	100	12.00	109	81	63	0	7	2	0
	MISSOULA	39	27	47	20	33	7	0.09	-0.15	0.07	0.09	45	11.46	89	88	73	0	6	3	0
NE	GRAND ISLAND	40	19	61	9	30	1	0.02	-0.19	0.01	0.01	6	41.03	161	79	60	0	7	2	0
	LINCOLN	39	16	55	7	28	-3	0.01	-0.25	0.01	0.00	0	40.00	144	77	62	0	7	1	0
	NORFOLK	37	17	59	8	27	-1	0.08	-0.13	0.06	0.02	11	31.00	118	78	67	0	7	2	0
	NORTH PLATTE	42	18	61	4	30	1	0.00	-0.09	0.00	0.00	0	27.75	144	77	40	0	7	0	0
	OMAHA	36	18	50	11	27	-3	0.02	-0.28	0.02	0.00	0	40.91	138	79	60	0	7	1	0
	SCOTTSBLUFF	42	16	64	-3	29	1	0.09	-0.05	0.04	0.08	67	14.19	89	79	57	0	7	4	0
	VALENTINE	37	16	58	-1	27	0	0.09	-0.01	0.04	0.09	113	22.49	117	79	64	0	7	4	0
NV	ELY	53	17	64	8	35	7	0.00	-0.08	0.00	0.00	0	5.70	60	79	42	0	7	0	0
	LAS VEGAS	64	45	72	40	55	6	0.00	-0.06	0.00	0.00	0	2.21	53	55	36	0	0	0	0
	RENO	56	27	66	22	41	5	0.00	-0.19	0.00	0.00	0	6.03	89	76	51	0	6	0	0
	WINNEMUCCA	53	15	60	9	34	2	0.02	-0.15	0.01	0.02	14	5.55	72	78	50	0	7	2	0
NH	CONCORD	39	18	44	11	29	-2	0.72	0.00	0.53	0.19	31	53.10	151	91	56	0	7	2	1
NJ	NEWARK	46	31	55	24	38	-3	0.85	0.00	0.80	0.05	7	42.02	97	77	49	0	4	3	1
NM	ALBUQUERQUE	56	34	63	26	45	6	0.00	-0.08	0.00	0.00	0	7.74	86	60	27	0	2	0	0
NY	ALBANY	39	25	53	16	32	-1	0.68	0.02	0.44	0.24	43	43.68	122	90	56	0	7	3	0
	BINGHAMTON	35	23	41	14	29	-3	0.56	-0.21	0.34	0.22	33	36.36	100	84	61	0	6	4	0
	BUFFALO	37	26	45	20	31	-3	0.70	-0.23	0.27	0.51	65	42.91	114	85	56	0	6	6	0
	ROCHESTER	38	26	46	20	32	-2	0.38	-0.28	0.33	0.05	9	27.02	85	72	55	0	6	4	0
	SYRACUSE	39	25	48	19	32	-1	0.63	-0.21	0.48	0.15	21	38.16	101	88	52	0	6	4	0
NC	ASHEVILLE	43	25	52	18	34	-8	0.41	-0.39	0.41	0.00	0	30.84	70	90	60	0	6	1	0
	CHARLOTTE	48	31	55	21	39	-9	1.20	0.52	1.20	0.00	0	39.04	95	85	52	0	4	1	1
	GREENSBORO	46	31	55	24	39	-5	0.89	0.21	0.89	0.00	0	35.11	86	79	46	0	4	1	1
	HATTERAS	58	43	69	34	51	-2	1.21	0.27	0.96	0.25	31	58.99	109	87	56	0	0	4	1
	RALEIGH	53	31	59	25	42	-4	1.02	0.37	0.94	0.08	15	47.63	117	85	61	0	4	2	1
	WILMINGTON	59	36	70	28	47	-5	0.57	-0.26	0.45	0.12	17	58.35	108	92	50	0	3	3	0
ND	BISMARCK	30	10	39	5	20	0	0.09	-0.01	0.04	0.06	75	19.61	119	81	68	0	7	4	0
	DICKINSON	32	12	43	5	22	0	0.03	-0.05	0.03	0.03	43	10.86	68	90	63	0	7	1	0
	FARGO	25	9	41	-3	17	-1	0.07	-0.04	0.04	0.05	56	31.21	151	84	66	0	7	3	0
	GRAND FORKS	23	6	38	-13	15	-2	0.04	-0.08	0.04	0.04	40	24.11	126	88	62	0	7	1	0
	JAMESTOWN	25	9	36	0	17	-2	0.10	0.02	0.06	0.04	57	22.91	126	87	65	0	7	3	0
	WILLISTON	30	9	46	2	19	2	0.16	0.03	0.12	0.16	145	12.37	90	85	69	0	7	3	0
OH	AKRON-CANTON	36	23	46	16	29	-6	0.56	-0.18	0.42	0.14	22	38.78	107	79	67	0	7	4	0
	CINCINNATI	38	23	47	14	31	-8	0.33	-0.44	0.23	0.10	15	43.02	108	80	66	0	6	4	0
	CLEVELAND	36	23	45	15	30	-6	0.89	0.08	0.53	0.36	51	41.04	113	88	67	0	7	6	1
	COLUMBUS	38	24	48	17	31	-7	0.59	-0.16	0.42	0.17	27	41.81	115	79	60	0	6	5	0
	DAYTON	35	21	44	11	28	-8	0.42	-0.33	0.36	0.06	9	39.19	106	86	63	0	6	3	0
	MANSFIELD	34	19	44	10	27	-7	0.47	-0.38	0.37	0.10	14	39.32	97	88	64	0	7	5	0

Based on 1971-2000 normals ***** Not Available**

Weather Data for the Week Ending December 6, 2008

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC01	PCT. NORMAL SINCE DEC01	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	34	22	43	15	28	-6	0.10	-0.56	0.04	0.10	18	35.75	115	79	65	0	7	4	0
	YOUNGSTOWN	37	23	47	16	30	-5	0.55	-0.21	0.28	0.27	42	42.31	118	76	64	0	7	4	0
OK	OKLAHOMA CITY	49	27	62	24	38	-5	0.00	-0.42	0.00	0.00	0	35.14	102	62	34	0	7	0	0
	TULSA	49	29	59	20	39	-4	0.02	-0.67	0.02	0.02	3	53.74	132	66	45	0	5	1	0
OR	ASTORIA	55	41	60	31	48	4	0.59	-1.97	0.34	0.59	27	56.81	96	94	84	0	1	3	0
	BURNS	48	20	56	14	34	7	0.07	-0.21	0.07	0.07	29	7.33	77	91	81	0	7	1	0
	EUGENE	53	35	59	26	44	3	0.13	-1.96	0.07	0.12	7	25.25	57	97	87	0	2	3	0
	MEDFORD	46	32	59	24	39	-1	0.01	-0.72	0.01	0.01	2	11.41	71	99	85	0	3	1	0
	PENDLETON	49	31	58	21	40	4	0.23	-0.13	0.23	0.23	74	9.49	82	94	78	0	4	1	0
	PORTLAND	53	39	57	29	46	4	0.28	-1.12	0.16	0.28	23	24.55	75	95	84	0	2	2	0
	SALEM	53	37	57	27	45	3	0.34	-1.27	0.21	0.31	23	24.34	70	95	83	0	3	3	0
PA	ALLENTOWN	41	23	48	16	32	-4	0.84	0.03	0.58	0.26	37	45.01	106	85	62	0	7	4	1
	ERIE	38	26	45	19	32	-5	1.19	0.25	0.64	1.00	125	40.39	101	76	57	0	6	6	1
	MIDDLETOWN	40	27	47	18	33	-5	1.36	0.53	1.17	0.19	27	39.58	104	90	54	0	6	4	1
	PHILADELPHIA	48	31	58	25	40	-2	1.00	0.25	0.85	0.15	23	34.65	88	77	56	0	4	4	1
	PITTSBURGH	38	24	49	15	31	-6	0.39	-0.32	0.26	0.13	21	34.38	97	81	55	0	7	3	0
	WILKES-BARRE	39	26	49	16	33	-3	0.42	-0.25	0.21	0.21	37	38.11	107	79	53	0	6	3	0
	WILLIAMSPORT	40	25	45	16	33	-2	0.74	-0.05	0.66	0.08	12	41.43	105	78	57	0	6	4	1
RI	PROVIDENCE	47	30	58	21	38	0	1.21	0.25	1.09	0.12	15	50.03	116	77	50	0	5	2	1
SC	BEAUFORT	60	38	69	29	49	-5	0.00	-0.58	0.00	0.00	0	38.63	82	95	53	0	1	0	0
	CHARLESTON	60	39	69	30	50	-4	0.53	-0.10	0.52	0.01	2	47.13	97	91	52	0	1	2	1
	COLUMBIA	54	30	65	24	42	-8	1.56	0.93	1.56	0.00	0	40.55	89	91	52	0	5	1	1
	GREENVILLE	48	31	53	23	40	-7	1.38	0.55	1.35	0.03	4	34.10	72	84	50	0	4	2	1
SD	ABERDEEN	30	13	41	2	22	1	0.09	0.03	0.04	0.05	100	25.37	128	81	65	0	7	4	0
	HURON	33	13	47	3	23	0	0.13	0.04	0.08	0.09	113	24.61	120	84	63	0	7	3	0
	RAPID CITY	38	15	47	-1	26	-1	0.07	0.01	0.04	0.07	140	26.85	165	79	51	0	7	3	0
	SIOUX FALLS	33	13	49	4	23	0	0.10	-0.07	0.08	0.10	71	24.83	102	75	65	0	7	2	0
TN	BRISTOL	40	24	49	17	32	-9	0.57	-0.22	0.28	0.29	43	31.16	81	95	67	0	6	5	0
	CHATTANOOGA	47	30	56	23	38	-8	0.75	-0.41	0.38	0.37	37	38.07	75	88	59	0	5	3	0
	KNOXVILLE	45	28	55	21	36	-8	1.08	0.06	0.50	0.58	67	39.65	89	92	60	0	5	3	1
	MEMPHIS	48	31	64	27	40	-7	0.89	-0.59	0.69	0.85	67	55.99	111	80	49	0	5	3	1
	NASHVILLE	46	27	60	20	37	-7	0.61	-0.50	0.48	0.52	55	41.39	93	83	47	0	5	4	0
TX	ABILENE	58	32	74	22	45	-3	0.00	-0.23	0.00	0.00	0	25.83	114	56	34	0	3	0	0
	AMARILLO	53	26	70	19	40	1	0.00	-0.08	0.00	0.00	0	20.67	108	65	30	0	6	0	0
	AUSTIN	65	32	79	22	49	-6	0.00	-0.52	0.00	0.00	0	18.06	57	59	29	0	4	0	0
	BEAUMONT	62	40	75	31	51	-6	0.34	-0.79	0.33	0.34	35	51.30	92	88	39	0	1	2	0
	BROWNSVILLE	71	51	81	44	61	-2	0.05	-0.24	0.02	0.05	21	38.55	144	82	50	0	0	4	0
	CORPUS CHRISTI	70	46	85	38	58	-3	0.00	-0.35	0.00	0.00	0	30.78	100	67	37	0	0	0	0
	DEL RIO	68	36	79	28	52	-3	0.00	-0.17	0.00	0.00	0	18.94	107	68	29	0	2	0	0
	EL PASO	65	35	72	27	50	3	0.00	-0.15	0.00	0.00	0	9.61	109	56	21	0	2	0	0
	FORT WORTH	60	36	77	31	48	-2	0.00	-0.52	0.00	0.00	0	27.68	85	58	25	0	3	0	0
	GALVESTON	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
	HOUSTON	64	41	79	34	52	-4	0.17	-0.69	0.17	0.17	23	53.13	118	71	47	0	0	1	0
	LUBBOCK	56	29	78	19	43	1	0.01	-0.13	0.01	0.00	0	28.43	157	64	37	0	4	1	0
	MIDLAND	59	30	81	23	45	-2	0.05	-0.08	0.03	0.05	45	11.44	80	51	34	0	4	2	0
	SAN ANGELO	63	32	77	26	47	-2	0.00	-0.19	0.00	0.00	0	20.73	103	51	30	0	3	0	0
	SAN ANTONIO	68	39	77	30	53	-2	0.00	-0.44	0.00	0.00	0	14.61	47	60	22	0	1	0	0
	VICTORIA	67	39	83	31	53	-5	0.06	-0.49	0.06	0.06	13	22.15	58	73	43	0	1	1	0
	WACO	62	32	81	22	47	-4	0.00	-0.62	0.00	0.00	0	42.65	137	56	30	0	5	0	0
	WICHITA FALLS	56	28	73	20	42	-4	0.00	-0.35	0.00	0.00	0	26.85	98	59	33	0	6	0	0
UT	SALT LAKE CITY	50	33	57	24	41	8	0.02	-0.26	0.01	0.02	8	10.83	70	76	45	0	3	2	0
VT	BURLINGTON	38	27	49	21	33	3	0.35	-0.24	0.26	0.09	18	37.65	110	79	47	0	5	2	0
VA	LYNCHBURG	43	25	54	18	34	-8	0.90	0.18	0.85	0.05	8	28.14	69	85	57	0	6	3	1
	NORFOLK	54	36	61	27	45	-3	1.18	0.56	1.18	0.00	0	38.02	88	86	52	0	2	1	1
	RICHMOND	52	31	60	24	41	-3	0.91	0.26	0.88	0.03	5	45.40	110	83	52	0	4	2	1
	ROANOKE	45	29	59	22	37	-5	0.60	-0.09	0.58	0.02	3	30.96	77	75	50	0	6	2	1
	WASH/DULLES	44	28	53	16	36	-4	0.62	-0.09	0.56	0.06	10	41.21	105	84	56	0	4	3	1
WA	OLYMPIA	51	37	55	29	44	5	0.31	-1.64	0.26	0.31	19	35.60	80	92	85	0	3	2	0
	QUILLAYUTE	51	38	58	30	45	3	0.89	-2.61	0.47	0.88	29	77.19	86	95	90	0	2	4	0
	SEATTLE-TACOMA	51	43	55	34	47	5	0.25	-1.16	0.16	0.19	16	27.91	86	89	80	0	0	3	0
	SPOKANE	37	30	40	20	34	5	0.31	-0.25	0.17	0.29	62	13.98	94	92	81	0	4	5	0
	YAKIMA	45	27	59	19	36	5	0.00	-0.29	0.00	0.00	0	4.85	68	93	77	0	6	0	0
WV	BECKLEY	36	21	47	13	29	-10	0.56	-0.13	0.29	0.27	46	40.21	103	91	71	0	6	5	0
	CHARLESTON	43	25	56	15	34	-7	0.71	-0.13	0.46	0.25	35	40.55	98	86	56	0	5	4	0
	ELKINS	40	22	52	10	31	-5	0.20	-0.61	0.10	0.10	14	39.48	91	89	55	0	7	4	0
	HUNTINGTON	41	27	52	16	34	-7	0.97	0.20	0.70	0.27	41	37.19	94	84	62	0	5	4	1
WI	EAU CLAIRE	28	7	35	-1	18	-5	0.00	-0.31	0.00	0.00	0	28.55	91	93	58	0	7	0	0
	GREEN BAY	27	10	38	1	19	-7	0.39	-0.02	0.24	0.30	86	27.93	99	87	66	0	7	5	0
	LA CROSSE	29	8	37	-2	19	-8	0.43	0.06	0.27	0.16	52	34.20	109	94	62	0	7	4	0
	MADISON	29	13	35	6	21	-7	0.45	-0.01	0.17	0.31	79	42.48	134	85	68	0	7	5	0
	MILWAUKEE	30	17	39	6	24	-7	0.79	0.21	0.28	0.51	102	40.93	124	86	69	0	6	5	0
WY	CASPER	38	15	56	0	26	0	0.16	0.02	0.08	0.11	92	12.17	97	76	55	0	6	3	0
	CHEYENNE	39	15	59	-4	27	-2	0.26	0.15	0.18	0.26	289	14.97	99	65	56	0	7	2	0
	LANDER	43	18	59	0	30	6	0.03	-0.13	0.03	0.03	23	14.72	114	82	47	0	7	1	0
	SHERIDAN	41	18	61	2	30	5	0.13	-0.01	0.05	0.08	67	16.73	118	78	58	0	7	4	0

Based on 1971-2000 normals ***** Not Available**

National Agricultural Summary

December 1 - 7, 2008

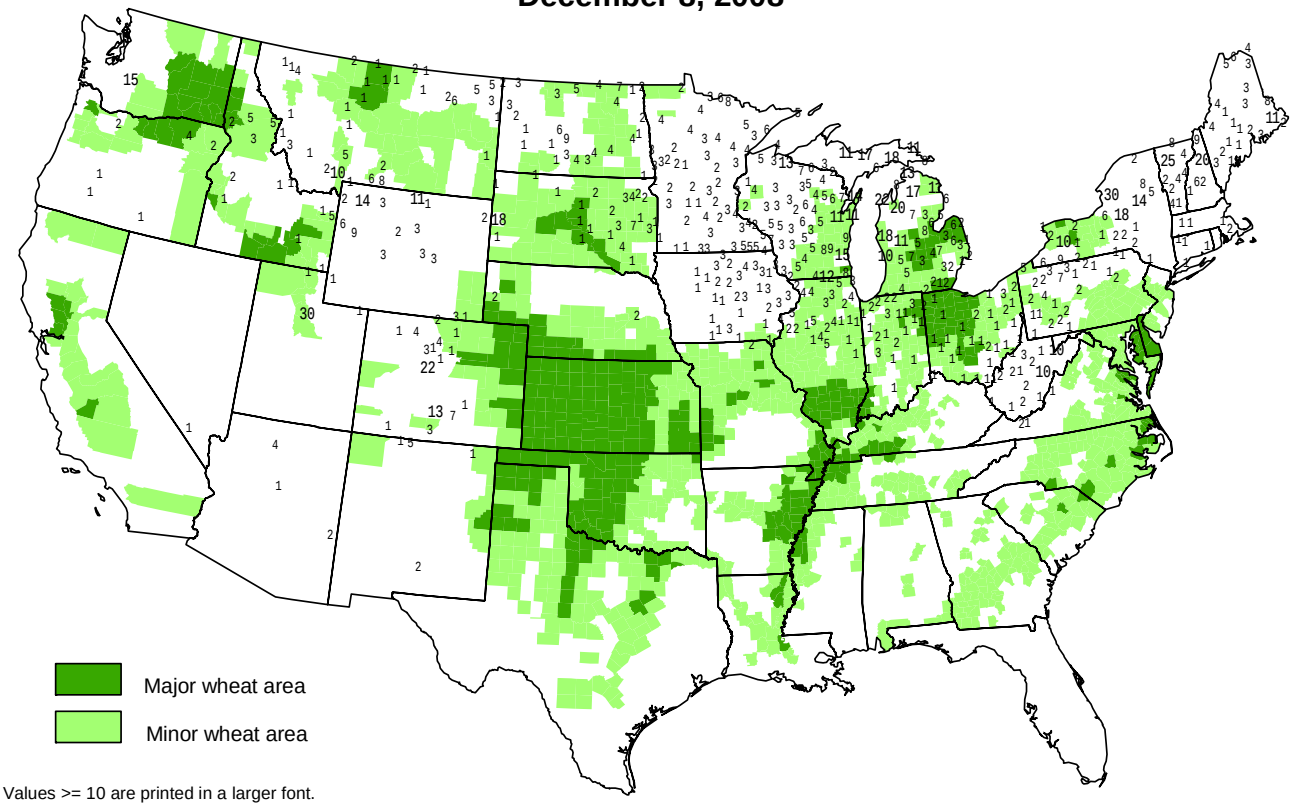
Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Southern California's temperatures remained above average throughout the week. In northern California, however, cool air accompanied widespread fog, especially during the mid- to late-week period. At times, the fog burned off, allowing daytime temperatures to rise. California's cotton harvest was winding down and corn for silage harvest was nearing completion. In Arizona, temperatures remained above normal and three fourths of the cotton had been harvested by week's end. Farther east, Texas remained mostly dry, slowing winter wheat emergence. Statewide, Texas' wheat was rated mostly poor to fair. Elsewhere in Texas, the cotton harvest slowly progressed and the sorghum harvest neared completion. In Georgia, soil moisture was mostly adequate to surplus, following the previous week's rainfall. Cool conditions prevailed in Georgia, where there was still some cotton left to harvest.

Snow Depth (inches)

December 8, 2008



Values >= 10 are printed in a larger font.

Snow depth reports obtained from the NWS Cooperative Observer Network.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

International Weather and Crop Summary

November 30 - December 6, 2008

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

HIGHLIGHTS

FSU-WESTERN: Unseasonably mild weather provided favorable overwintering conditions for winter grains in Ukraine, Russia, and Belarus, but kept most areas snow free.

EUROPE: Widespread rain and snow increased moisture reserves for winter crops over most of Europe.

MIDDLE EAST: Dry weather returned to the western half of the region, while showers improved soil moisture for winter grains in Iran.

NORTHWEST AFRICA: Persistent rain over Morocco and Algeria slowed winter grain planting, while dry weather in Tunisia promoted a rapid pace of fieldwork.

AUSTRALIA: Drier weather overspread most of eastern Australia, helping dry unharvested winter grains soaked by recent heavy rains.

SOUTHEAST ASIA: Widespread showers caused localized flooding and fieldwork delays across the region.

SOUTH ASIA: Dry weather returned to southern India, allowing flooding to recede and fieldwork to resume.

ARGENTINA: Drier weather returned to Argentina, promoting fieldwork after last week's heavy rain.

BRAZIL: Unseasonable dryness continued to restrict soybean planting in parts of the south.

SOUTH AFRICA: Rain benefited emerging summer crops in the eastern corn belt, as drier conditions promoted planting in the west.

EUROPE

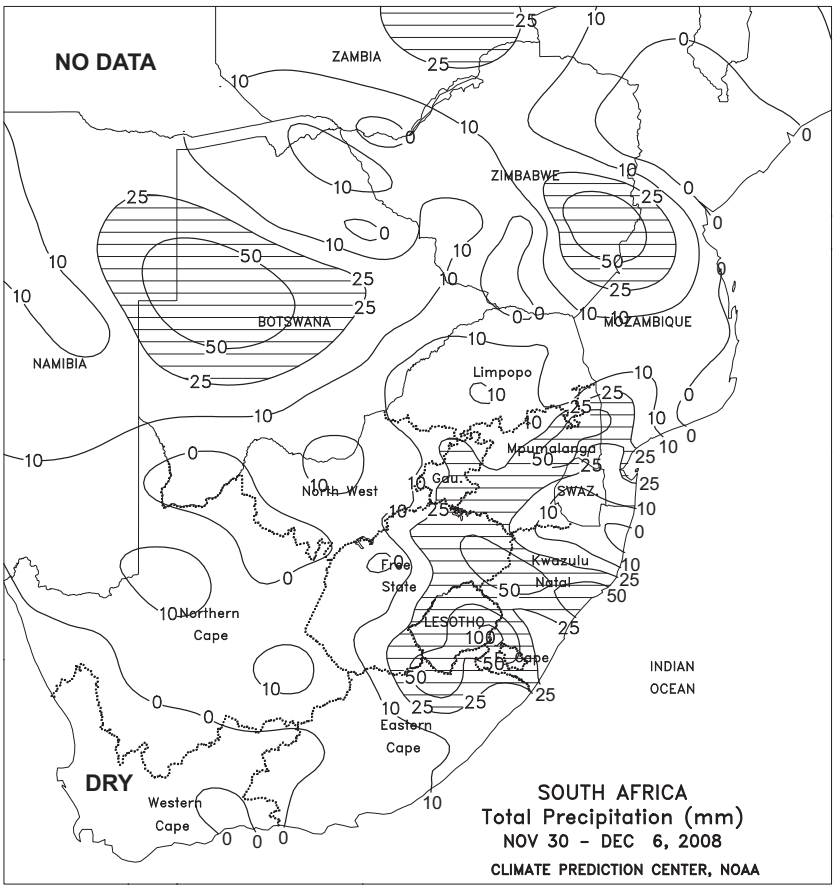
Chilly, wet conditions over central and western Europe contrasted with unseasonably warm weather in eastern growing areas. A barrage of Atlantic storm systems maintained widespread rain and high-elevation snow (10-80 mm liquid equivalent) from England and northern Spain eastward into Germany and the western Balkans; consequently, moisture reserves remained adequate to locally excessive for winter crops. Weekly average temperatures remained below 5 degrees C over central and northern crop areas, ushering wheat, barley, and rapeseed further into dormancy. In Italy, 60 to 80 mm of rain boosted irrigation reserves, with locally heavy snow adding to mountain snowpacks in the Alps. In Poland and the Baltics, light to moderate showers (1-35 mm) along with weekly average temperatures up to 7 degrees C above normal melted the region's snow cover and reduced winter crop cold hardiness. Temperatures in southeastern Europe averaged as much as 9 degrees C above normal, with daytime highs in the lower 20s degrees C accelerating fieldwork and late-season winter crop growth.

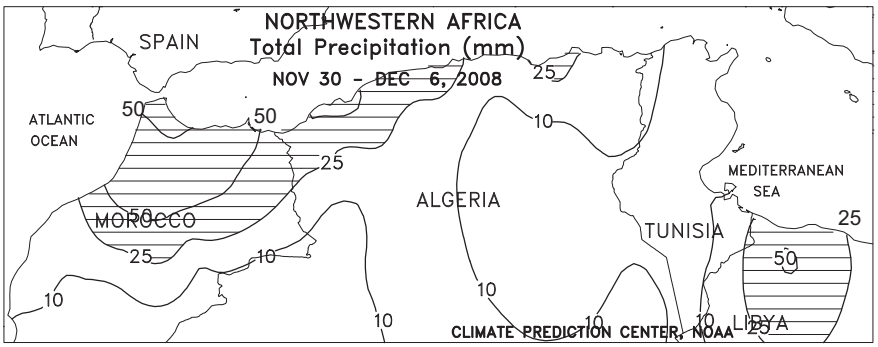
FSU-WESTERN

Unseasonably mild weather continued to prevail across most winter grain areas. Weekly temperatures averaged 5 to 10 degrees C above normal in Ukraine, Belarus, and Russia. During the latter half of the week, most locations reported daily temperatures above freezing, with the warmest weather (extreme maximum temperatures ranging from 10-20 degrees C) observed in Ukraine and southern Russia. As a result of the continued unseasonably mild weather, winter grain areas across most of the region remained snow free during the week. Winter grains were dormant, except in areas adjacent to the Black Sea Coast and in the southern portion of the Southern District in Russia, where crops continued to grow. Generally dry weather prevailed from Ukraine eastward across the Southern District in Russia, helping late-season fieldwork.

SOUTH AFRICA

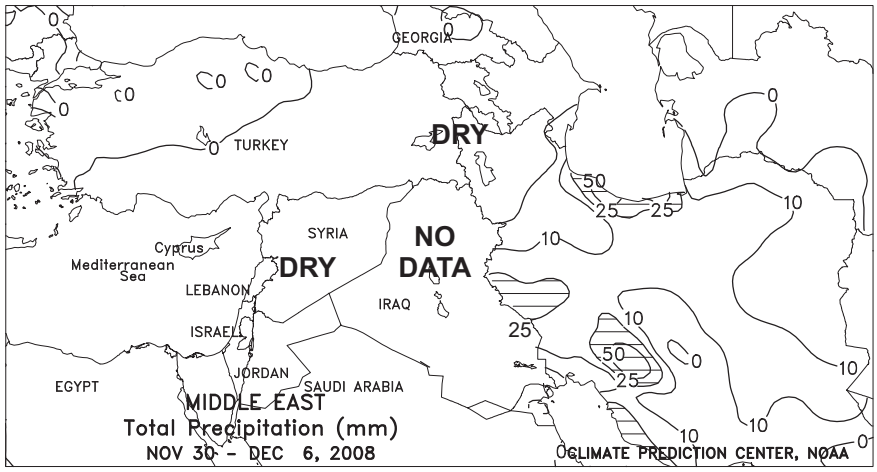
Rain (10-25 mm, locally exceeding 50 mm) maintained overall favorable conditions for emerging to vegetative summer crops in central and eastern sections of the corn belt. The beneficial rainfall extended southward into KwaZulu-Natal and eastern sections of Eastern Cape, but drier conditions prevailed in the western corn belt (western sections of North West and Free State), promoting planting. Temperatures averaged 1 to 3 degrees C above normal, with highs reaching the lower 30s degrees C in many commercial farming areas. Elsewhere, dry, seasonally warm weather (highs reaching the middle 30s degrees C) promoted growth of irrigated agriculture in Western and Northern Cape Provinces.





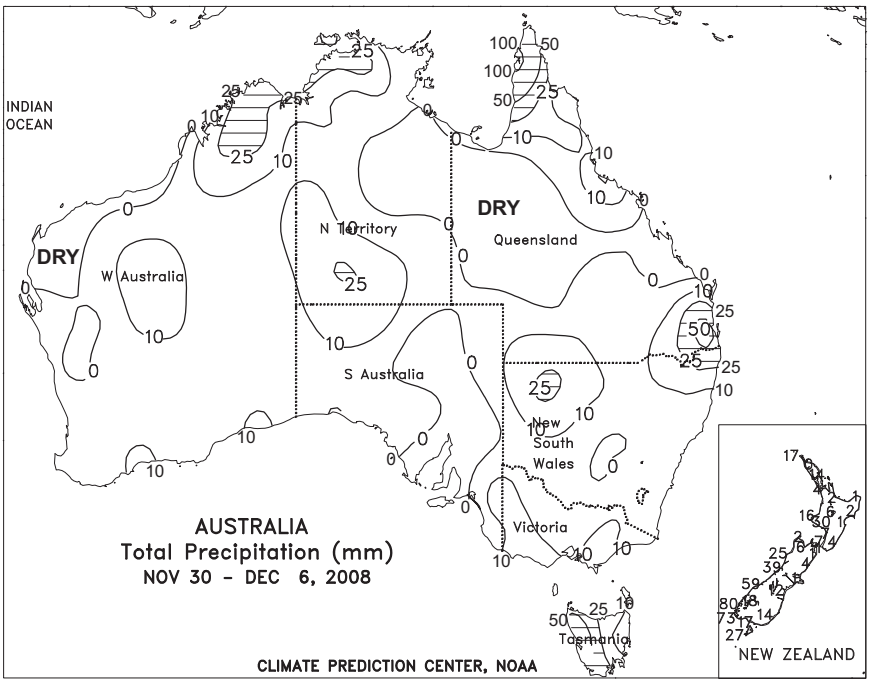
NORTHWEST AFRICA

Wet conditions continued in western crop areas, while mostly dry weather prevailed in eastern-most crop districts. A series of cold fronts pushed southward from western Europe, producing 10 to 65 mm of rain in Morocco and western Algeria. The unsettled weather prevented producers from getting into fields, although soil moisture remained very favorable for any early-planted wheat and barley. Showers (5-35 mm) spilled into eastern Algeria by week's end, slowing winter crop planting. Meanwhile, sunny skies and near-normal temperatures favored winter grain planting in northern Tunisia.



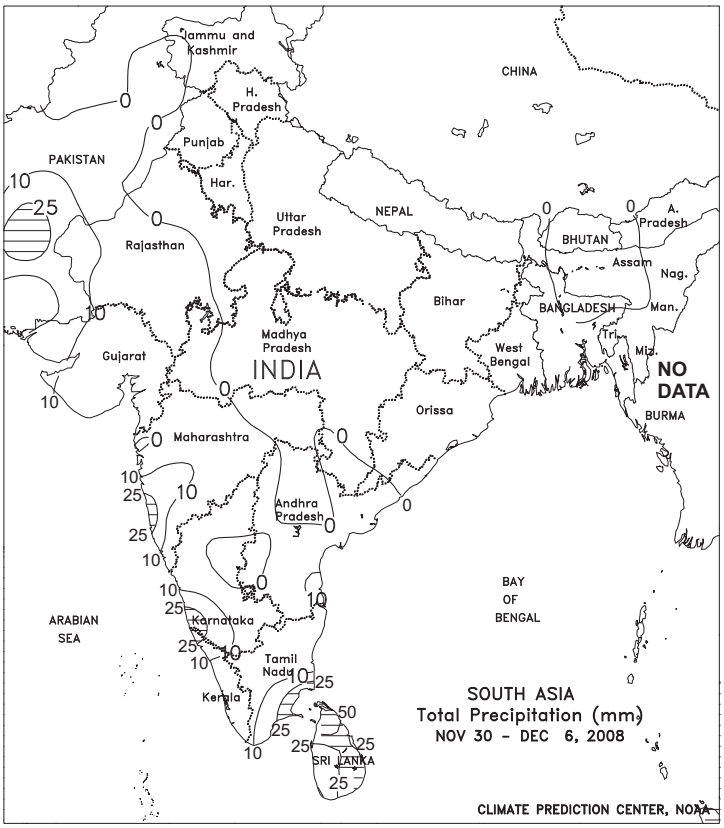
MIDDLE EAST

Dry, warm weather returned to western crop areas, while unsettled conditions prevailed farther east. A stalled upper-air low generated widespread showers (5-50 mm) over most of Iran, providing topsoil moisture for vegetative winter wheat and barley. Across the remainder of the region, dry, sunny weather promoted crop development. Temperatures 2 to 6 degrees C above normal prevented wheat and barley from going dormant in Turkey, with daytime highs in western and southern wheat districts reaching the middle 20s degrees C.



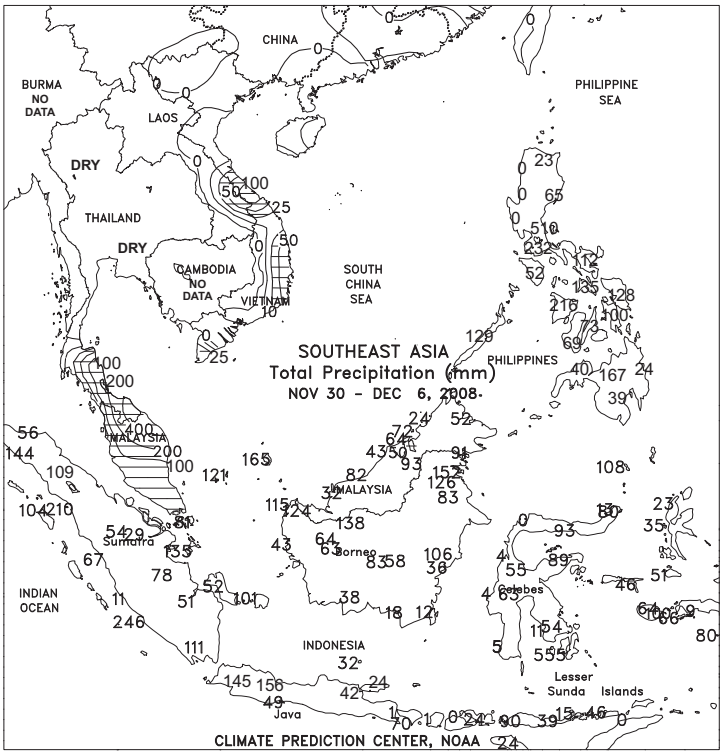
AUSTRALIA

Widespread showers (8-40 mm) fell near the Queensland and New South Wales border, further delaying winter wheat harvesting but maintaining abundant soil moisture for vegetative cotton and sorghum. Elsewhere in eastern Australia, drier weather (generally less than 5 mm) allowed fields to dry in the wake of recent soaking rains. The drier weather was welcomed by farmers who were becoming increasingly concerned about the quality of unharvested winter grains. In southern Australia, mostly dry weather (less than 3 mm) continued to facilitate rapid winter grain harvesting in most of Victoria and South Australia. Similarly, dry weather in northern portions of the Western Australia wheat belt favored winter wheat and barley harvesting. In contrast, scattered showers (2-13 mm) in southern parts of Western Australia continued to hamper local winter grain harvesting. For the third consecutive week, temperatures in southern and western sections of the Australia wheat belt averaged about 1 to 2 degrees C below normal. In eastern Australia, however, temperatures averaged about 1 to 2 degrees C above normal.



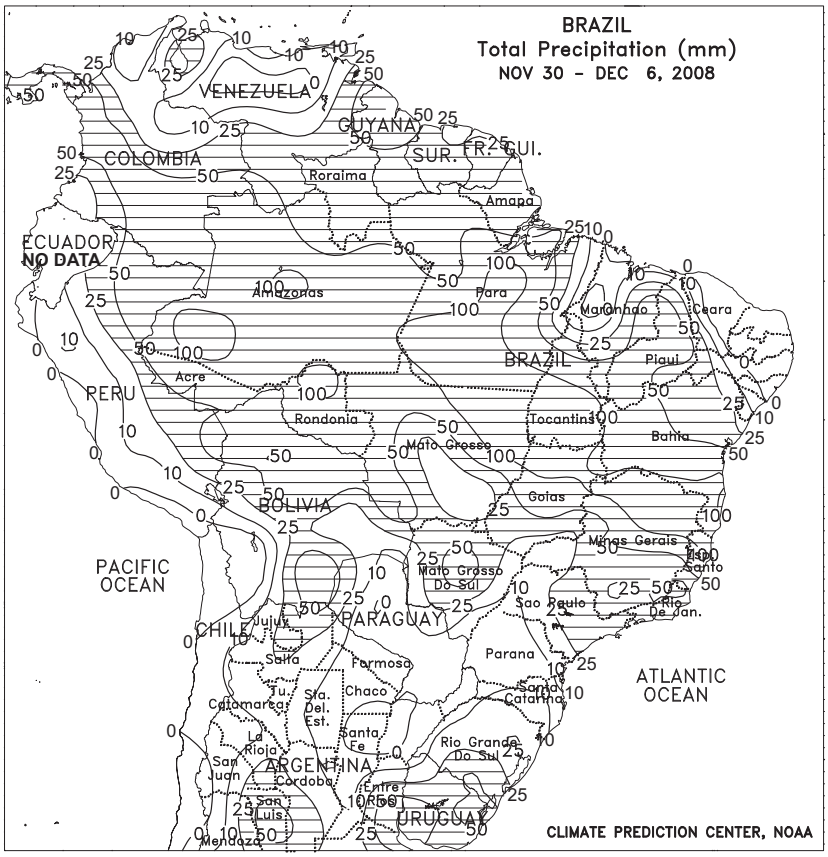
SOUTH ASIA

Drier weather returned to southern crop areas, while showers slowed fieldwork across southern Pakistan. On the heels of last week's heavy rain from Tropical Cyclone Nisha, sunny skies allowed flooding to recede and fieldwork to resume across southern India. Meanwhile, southwesterly flow off the Arabian Sea led to unseasonably heavy showers (10-50 mm) in southern Pakistan, hampering cotton harvesting. Scattered showers (10-45 mm) also developed along the west coast of India, although most of the rain fell outside major crop areas. Dry, sunny weather across the remainder of the subcontinent favored summer crop harvesting and wheat development.



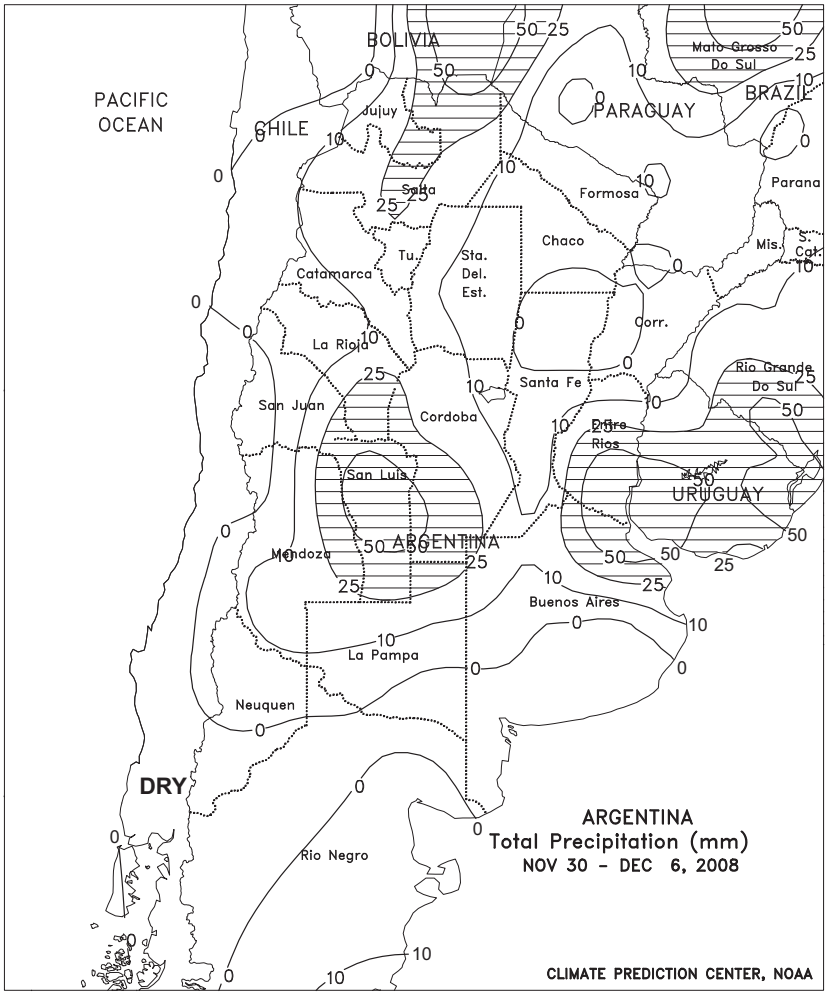
SOUTHEAST ASIA

Copious monsoon rainfall occurred along an axis stretching from the Philippines to Malaysia. In the Philippines, 50 to 200 mm of rain maintained high soil moisture for winter-grown rice and corn in the Visayas and Mindanao. Across southern Luzon, however, over 400 mm caused localized flooding, while in contrast, northern Luzon was beneficially dry, helping to ease lingering wetness. Meanwhile in Malaysia, 50 to 100 mm of rain (locally over 400 mm) slowed oil palm harvesting and was likely detrimental to reproductive crops. Similarly, oil palm areas in Indonesia likely saw harvest delays, although rainfall was somewhat lighter (25-100 mm), while in Java 25 to 50 mm aided rice with localized amounts over 100 mm causing some flooding. In contrast to the heavy rain across much of the region, drier weather prevailed in Vietnam, benefiting rice fieldwork and coffee harvesting that was nearing completion.



BRAZIL

Unseasonably dry weather continued to dominate large sections of southern Brazil, improving conditions for late winter wheat harvesting but raising concern for soybeans and other newly sown summer crops. Rainfall totaled below 10 mm in Parana and neighboring locations of Mato Grosso do Sul and Sao Paulo; somewhat heavier rain (10-25 mm) fell in the main summer crop areas of Rio Grande do Sul, with even higher accumulations in key rice areas located in southern and eastern portions of the state. Near-normal temperatures (highs in the lower and middle 30s degrees C) limited the potential for heat stress on emerged corn and soybeans, although very little rain has fallen in the region in the past 3 weeks and some moisture stress on early-planted crops was possible. Farther north, moderate to heavy rain (25-50 mm, locally exceeding 100 mm) continued in most major soybean areas of the Center-West and northeastern interior, maintaining overall favorable moisture levels for normal development of vegetative soybeans. Rain (greater than 25 mm) also increased from the previous week in coffee areas of southern Minas Gerais, and in eastern Sao Paulo, although unseasonably dry weather persisted in western Sao Paulo, reducing moisture for development of sugarcane and other summer crops. In contrast, seasonably dry weather along Brazil's northeastern tip was timely for sugarcane harvesting.



ARGENTINA

After a brief period of lingering rain (10-50 mm), drier conditions allowed fieldwork to resume in the main summer growing areas of central Argentina. The rainfall, a continuation of last week's wet weather, was generally confined to an area stretching from Cordoba to Entre Rios. Unlike recent weeks, however, cooler-than-normal weather (temperatures averaging 1-2 degrees C below normal) accompanied the ensuing dryness, although highs gradually reached the lower 30s degrees C at week's end. Farther north, dry weather promoted cotton planting in major production areas of Chaco, Santiago del Estero, Santa Fe, and Formosa, but rain developed at different times during the week in the more westerly farming areas (from Jujuy and Salta southward to Mendoza). As in central Argentina, temperatures averaged slightly below normal in the north, with highs reaching the lower to middle 30s degrees C in the cotton belt. According to Argentina's ministry of agriculture (SAGPyA), corn and sunflowers were 77 and 88 percent planted, respectively, as of December 4. Soybeans were 55 percent planted. In addition, winter wheat was 32 percent harvested, comparable to last year's pace.

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