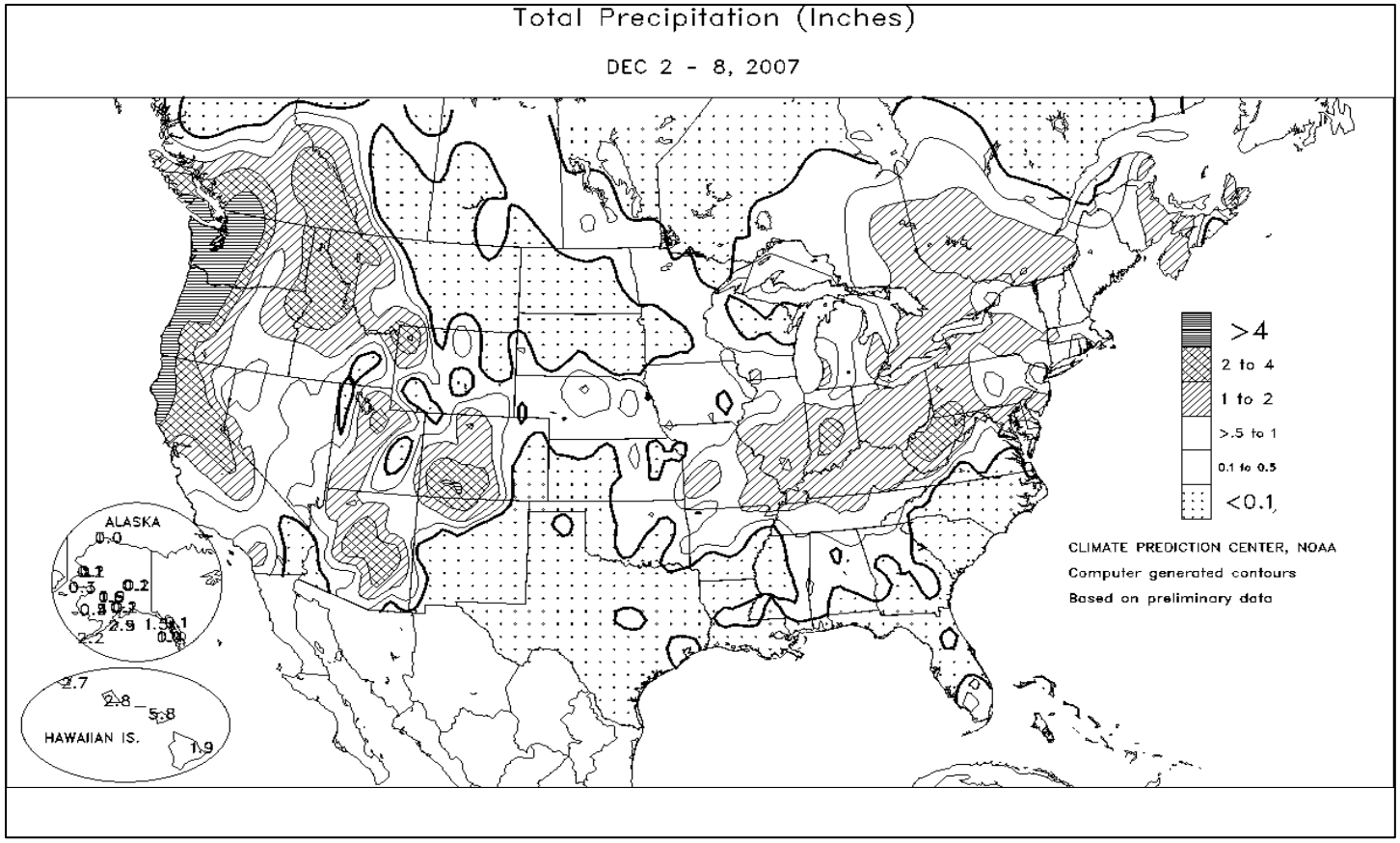
**Volume 94, No. 50** *http://www.usda.gov/oce/waob/jawf/wwcb.html* **December 11, 2007**

# 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
## December 2 - 8, 2007

*Highlights provided by USDA/WAOB*

The week opened in the midst of a series of major **Pacific** storms, which brought record flooding and damaging winds to parts of the **Northwest**. Effects of the storms spread as far east as the **northern Rockies**, where heavy rain and snow fell. During the second half of the week, tranquil weather returned to the **Northwest**, while much-needed precipitation spread across areas from **California to the Four Corners States**. Meanwhile, mostly dry weather prevailed on the **Plains**, except for some late-week snow across **Nebraska** and neighboring areas. On the **northern High Plains**, however, mild, breezy weather eroded winter wheat's protective snow cover. Mild weather also prevailed on the **southern High**

*(Continued on page 3)*

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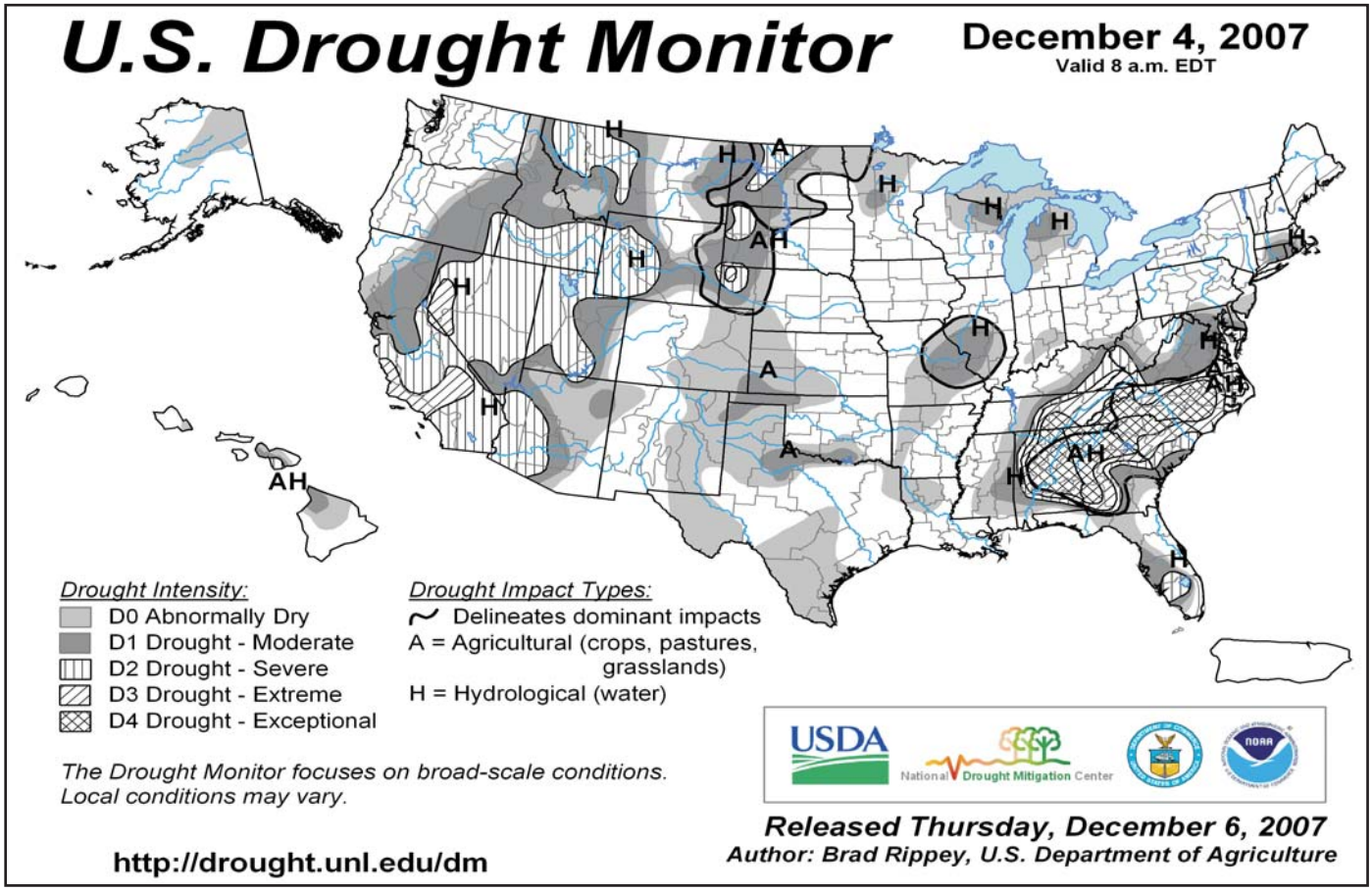
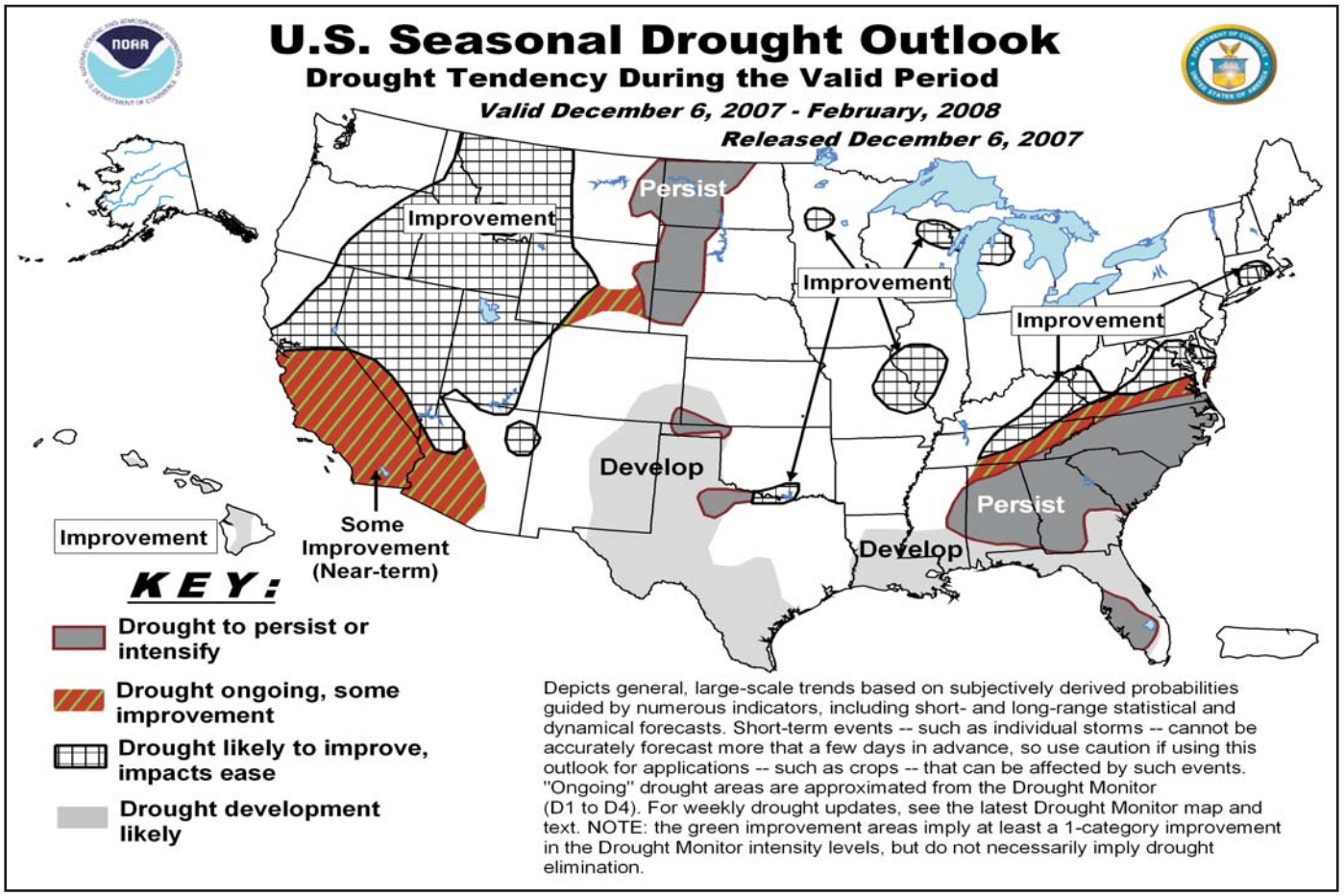

U.S. Drought Monitor
December 4, 2007
Valid 8 a.m. EDT
Drought Intensity:
D0 Abnormally Dry
D1 Drought - Moderate
D2 Drought - Severe
D3 Drought - Extreme
D4 Drought - Exceptional
Drought Impact Types:
Delineates dominant impacts
A = Agricultural (crops, pastures, grasslands)
H = Hydrological (water)
The Drought Monitor focuses on broad-scale conditions.
Local conditions may vary.
USDA
National Drought Mitigation Center
http://drought.unl.edu/dm
Released Thursday, December 6, 2007
Author: Brad Rippey, U.S. Department of Agriculture

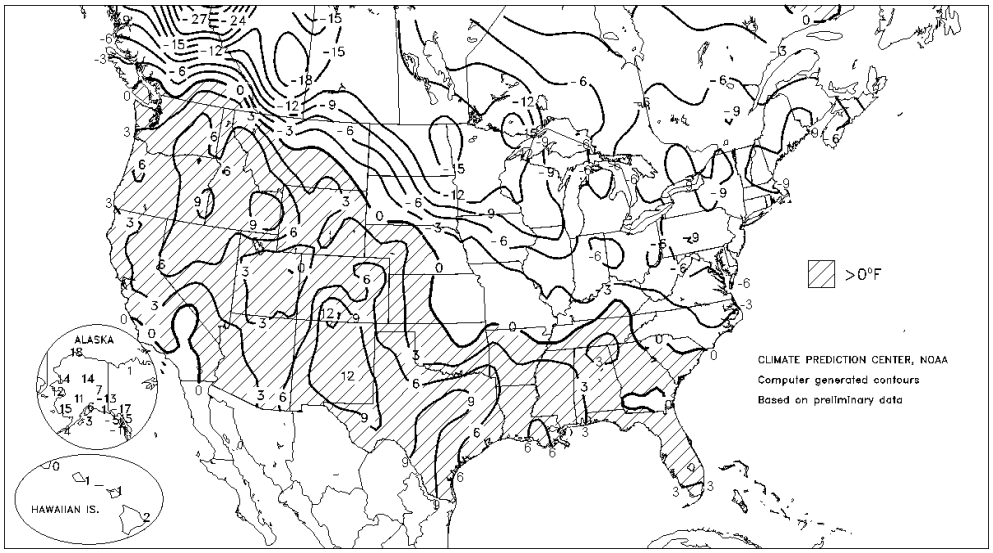

U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid December 6, 2007 - February, 2008
Released December 6, 2007
Persist
Improvement
Improvement
Improvement
Develop
Persist
Develop
Improvement
Some Improvement (Near-term)
KEY:
Drought to persist or intensify
Drought ongoing, some 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)*

**Plains**, maintaining stress on winter wheat. In contrast, bitterly cold air settled across the **upper Midwest**, where some readings below -20°F were reported. In fact, cold weather and wintry precipitation throughout the **Midwest** and **Northeast** stressed livestock but generally benefited dormant winter grains. Farther south, showers reached the **Ohio Valley**, but little or no rain fell across the **Gulf and Atlantic Coast States**. In particular, dry weather in the **southern Atlantic States** promoted late-season fieldwork but further stressed pastures and winter grains and maintained concerns about long-term water supplies. Toward week's end, warmth replaced previously cool conditions in the **Southeast**. Elsewhere, warm weather in the **West** contrasted with frigid conditions across the **Midwest** and **Northeast**. Weekly temperatures ranged from more than 15°F below normal in parts of the **upper Midwest** to as much as 15°F above normal in the **southern Rockies**.

Departure of Average Temperature from Normal (°F)

DEC 2 - 8, 2007




Precipitation and flooding intensified across the **Pacific Northwest** on December 2-3. During the first 4 days of December, approximately 18 inches of rain fell at **Cushman Dam, WA**, with a 24-hour maximum of more than 13 inches. Elsewhere in **western Washington**, the National Weather Service office in **Seattle** received 4.15 inches on December 3; the former daily record since the site opened in 1986 was 3.59 inches on October 20, 2003. In the **Cascades**, **Plain, WA**, received 32.0 inches of snow in a 48-hour period from December 1-3. Flooding was particularly severe in the **Chehalis River** basin, where crest records were broken at **Centralia** (9.8 feet above flood stage), **Grand Mound** (6.2 feet above flood stage), and **Porter, WA** (5.0 feet above flood stage). At all three **Chehalis River** locations, record crests from February 9, 1996, were surpassed by less than a foot. Meanwhile, in **northern Oregon**, storm-total rainfall topped 10 inches at several locations in the **Coast Range** and the **Cascades**. **Lee's Camp, OR**, netted 14.50 inches, of which 11.50 inches fell in a 30-hour period on December 2-3. Howling winds accompanied the storminess along the **northern Pacific Coast**, where reported gusts in **Oregon** included 129 m.p.h. in **Bay City** and 125 m.p.h. in **Lincoln City**. During the storm, offshore wave heights averaged 40 feet at several buoys near the **Oregon coast**, with peak wave heights in the 60- to 70-foot range. Farther inland, **Mullan Pass, ID**, received 4.65 inches of precipitation in a 48-hour period on December 2-4. Snowfall ranged from 2 to 4 feet at some locations in the **northern Rockies**, including **Mullan Pass** (34 inches) and **Cool Creek, ID** (43 inches).

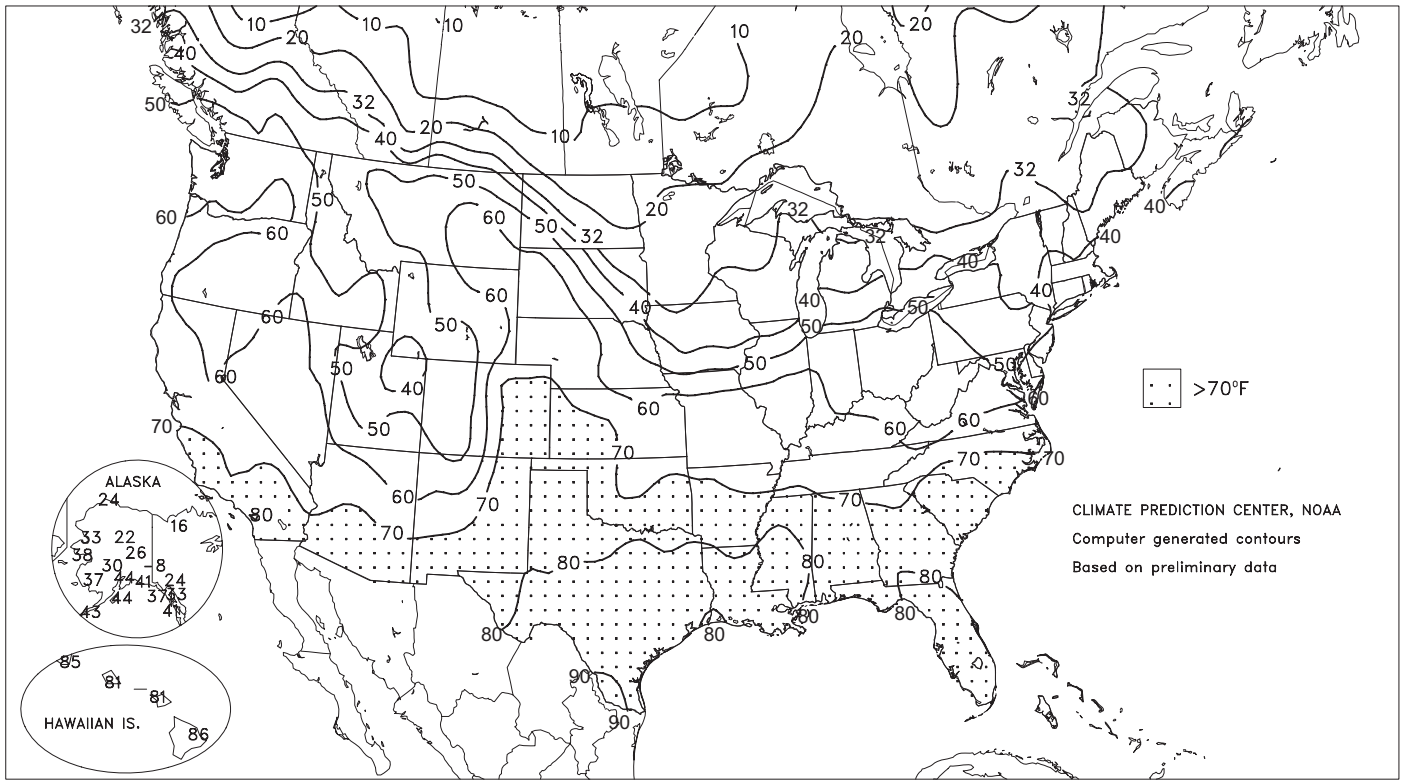
Later in the week, storminess shifted southward across the remainder of the **West**. As much as 2 feet of snow blanketed the **Sierra Nevada**, while daily-record totals included 1.32 inches (on December 6) in **Sacramento, CA**; **Salt Lake City, UT** (1.10 inches on December 7), and **Reno, NV** (0.83 inch on December 7). **Salt Lake City** also measured 8.4 inches of snow on December 7-8. Elsewhere in **Utah**, December 6-9 **Wasatch Range** snowfall totals reached 40 inches in **Alta** and 30 inches at **Snowbird**. Meanwhile in **western Colorado**, snowfall totaled 49.5 inches in **Gothic**, 42.0 inches at **Coal Bank Pass**, and 38.5 inches at **Crested Butte**. Daily-record precipitation totals were noted as far south as **Arizona**, where **Flagstaff** received 1.58 inches on December 7. **Flagstaff** also noted 4.8 inches of snow from December 7-9. By week's end, snow spread eastward from the **Intermountain region** across the **central Plains**. **Lander, WY** (9.0 inches), collected a daily-record snowfall on December 7, followed by a 3.1-inch total the following day in **North Platte, NE. Lander's** December 7-9 total reached 14.5 inches.

Warmth preceding the **Western** storminess resulted in numerous daily-record highs. In fact, **Hattiesburg, MS** (84°F on December 2), and **Alexandria, LA** (83°F on December 8), tied monthly record highs, previously achieved on December 7, 1951, and December 4, 1995, respectively. Among more than six dozen daily-record highs were readings of 92°F (on December 2) in **McAllen, TX**, and 76°F (on December 4) in **Burlington, CO.** On December 8, **Houston, TX** (83°F), experienced its warmest December day since December 7, 1998 (84°F). In contrast, very cold air settled across the **northern Plains**, the **Midwest**, and the **Northeast**, preceded by widespread snow. Daily-record snowfall totals for December 4 reached 6.2 inches in **Grand Forks, ND**, and 5.6 inches in **Madison, WI.** In the **Great Lakes** snow belt region, **Rochester, NY**, received 20.0 inches of snow from December 1-5, including a daily-record total of 8.4 inches on December 4. Farther east, heavy snow fell early in the week across **northern New England**, where **Bangor, ME**, netted a daily-record sum (12.3 inches) on December 3. Later in **North Dakota**, **Grand Forks** set daily records on December 5 and 8 (-19 and -26°F, respectively). Record lows for December 6 included -22°F in **Merrill, WI**; 0°F in **Chicago, IL**; and 1°F in **Zanesville, OH.**

A strong cold front hammered **Hawaii** with heavy precipitation and high winds. In fact, a rare blizzard warning was issued for the highest peaks of the **Big Island**, where several inches of wind-driven snow fell. December 4-6 rainfall topped 10 inches in several locations, including the **Lanai Airport** (10.66 inches); **Kokee, Kauai** (13.14 inches); and the **Big Island's Kapapala Ranch** (14.88 inches). On **Maui**, **Kahului** collected 5.81 inches of rain (807 percent of normal) from December 1-8, accounting for nearly half of its year-to-date total of 12.06 inches. **Kahului** also clocked a southerly wind gust to 53 m.p.h. on December 5. Other **Hawaiian** peak gusts on December 4-5 included 68 m.p.h. at **Wheeler Air Force Base, Oahu**, and 55 m.p.h. in **Lihue, Kauai**. Prior to the front's arrival, **Hilo** (86 and 85°F) opened December with consecutive daily-record highs. **Lihue** (85°F) also posted a record high for December 2. Farther north, mild, unsettled weather prevailed across much of **Alaska**, except for cold conditions across southeastern areas. **McGrath** received 0.72 inch (8.0 inches of snow) during the week, including a daily-record total of 0.41 inch on December 6. Parts of **Alaska** also dealt with high winds, which on December 2-3 gusted to 54 m.p.h. in **Nome** and 46 m.p.h. in **McGrath**.

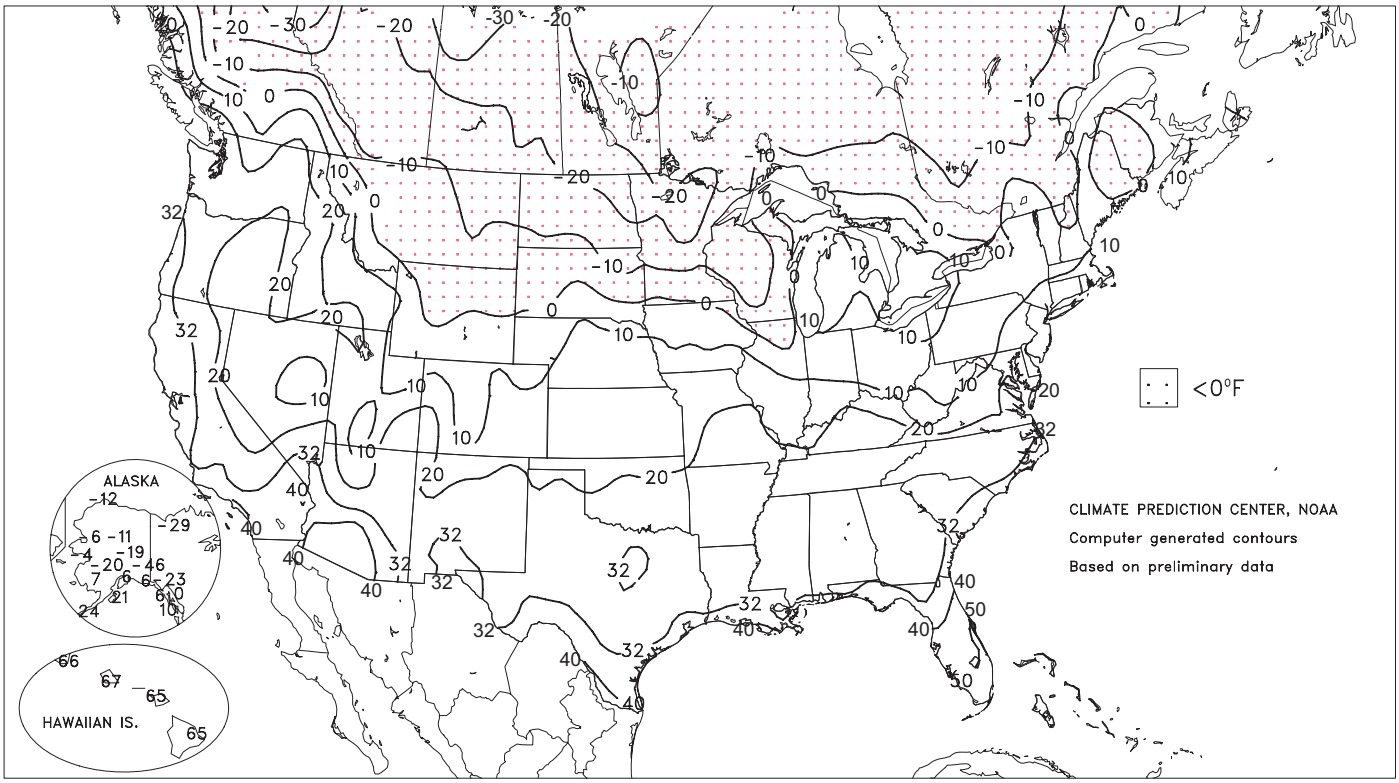
## Extreme Maximum Temperature (°F)

DEC 2 - 8, 2007




## Extreme Minimum Temperature (°F)

DEC 2 - 8, 2007



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

## Weather Data for the Week Ending December 8, 2007

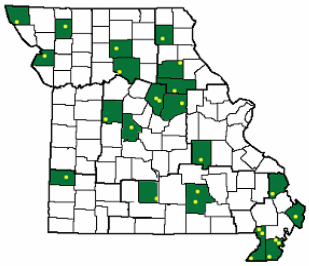
**Data Provided by the Mississippi State Delta Research and Extension Center (DREC) and the University of Missouri Commercial Agriculture Program.**

| 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 | 59 | 37 | 76 | 29 | 48 | - | 0.15 | - | 0.15 | 0.15 | - | - | - | 54 | 47 | 0 | 4 | 1 | 0 |
| LYON | 63 | 39 | 78 | 29 | 51 | - | 0.05 | - | 0.05 | 0.05 | - | - | - | 56 | 47 | 0 | 3 | 1 | 0 |
| VANCE | 61 | 39 | 77 | 28 | 50 | - | 0.01 | - | 0.01 | 0.01 | - | - | - | 57 | 49 | 0 | 3 | 1 | 0 |
| PERTHSHIRE | 63 | 39 | 78 | 27 | 51 | - | 0.00 | - | 0.00 | 0.00 | - | - | - | 59 | 47 | 0 | 3 | 0 | 0 |
| SCOTT | 64 | 41 | 78 | 29 | 52 | - | 0.13 | - | 0.13 | 0.13 | - | - | - | 57 | 47 | 0 | 3 | 1 | 0 |
| NE VERONA | 62 | 39 | 76 | 27 | 51 | - | 0.15 | - | 0.15 | 0.15 | - | - | - | 56 | 45 | 0 | 3 | 1 | 0 |
| SD STONEVILLE x | 64 | 36 | 74 | 30 | 50 | -1 | 0.09 | -1.17 | 0.09 | 0.09 | 6 | 38.55 | 78 | 57 | 46 | 0 | 4 | 1 | 0 |
| INDIANOLA 1S* | 64 | 41 | 79 | 29 | 53 | - | 0.10 | - | 0.10 | 0.10 | - | - | - | 58 | 49 | 0 | 1 | 1 | 0 |
| INVERNESS 5E | 64 | 42 | 78 | 31 | 53 | - | 0.03 | - | 0.03 | 0.03 | - | - | - | 59 | 51 | 0 | 2 | 1 | 0 |
| SIDON | 66 | 42 | 79 | 30 | 54 | - | 0.08 | - | 0.08 | 0.08 | - | - | - | 59 | 50 | 0 | 2 | 1 | 0 |
| NORTH ISSAQUENA | 65 | 42 | 78 | 30 | 53 | - | 0.10 | - | 0.10 | 0.10 | - | - | - | 59 | 51 | 0 | 2 | 1 | 0 |
| SILVER CITY | 65 | 42 | 79 | 29 | 54 | - | 0.13 | - | 0.13 | 0.13 | - | - | - | 56 | 49 | 0 | 1 | 1 | 0 |
| ONWARD | 66 | 42 | 79 | 29 | 54 | - | 0.12 | - | 0.12 | 0.12 | - | - | - | 58 | 50 | 0 | 1 | 1 | 0 |
| MAYDAY | 67 | 42 | 76 | 28 | 55 | - | 0.17 | - | 0.16 | 0.17 | - | - | - | 59 | 48 | 0 | 2 | 2 | 0 |
| MISSOURI | | | | | | | | | | | | | | | | | | | |
| NW CORNING | 39 | 20 | 53 | 15 | 29 | -3 | 0.04 | -0.28 | 0.04 | 1.09 | 268 | 36.87 | 107 | - | - | 0 | 7 | 1 | 0 |
| ALBANY | 41 | 19 | 61 | 15 | 28 | -4 | 0.00 | -0.49 | 0.00 | 1.06 | 185 | 31.86 | 86 | 37 | 35 | 0 | 7 | 0 | 0 |
| ST. JOSEPH | 42 | 22 | 61 | 15 | 30 | -4 | 0.00 | -0.45 | 0.00 | 0.80 | 146 | 34.08 | 96 | - | - | 0 | 7 | 0 | 0 |
| NC LINNEUS | 41 | 18 | 60 | 14 | 29 | -4 | 0.00 | -0.55 | 0.00 | 0.47 | 78 | 31.11 | 87 | 39 | 36 | 0 | 7 | 0 | 0 |
| BRUNSWICK | 41 | 22 | 60 | 17 | 31 | -3 | 0.04 | -0.36 | 0.04 | 0.51 | 98 | 30.81 | 82 | 39 | 36 | 0 | 7 | 1 | 0 |
| NE NOVELTY | 39 | 19 | 56 | 12 | 28 | -5 | 0.16 | -0.51 | 0.12 | 0.79 | 102 | 34.04 | 98 | 36 | 33 | 0 | 7 | 2 | 0 |
| MONROE CITY | 41 | 21 | 61 | 16 | 30 | -4 | 0.46 | -0.19 | 0.26 | 0.66 | 86 | 30.08 | 84 | 37 | 35 | 0 | 7 | 3 | 0 |
| WC GREEN RIDGE | 43 | 25 | 64 | 17 | 34 | -2 | 0.32 | -0.32 | 0.18 | 0.45 | 59 | 31.18 | 75 | 40 | 35 | 0 | 7 | 3 | 0 |
| C AUXVASSE | 43 | 24 | 65 | 18 | 33 | -2 | 0.35 | -0.35 | 0.35 | 0.55 | 66 | 27.34 | 73 | 39 | 36 | 0 | 7 | 1 | 0 |
| SANBORN FIELD | 44 | 26 | 65 | 21 | 34 | -3 | 0.50 | -0.12 | 0.38 | 0.75 | 109 | 29.70 | 76 | 40 | 36 | 0 | 7 | 3 | 0 |
| WILLIAMSBURG | 43 | 25 | 65 | 20 | 34 | -2 | 0.32 | -0.45 | 0.29 | 0.46 | 53 | 25.98 | 59 | 37 | 34 | 0 | 7 | 2 | 0 |
| COLUMBIA | 43 | 25 | 65 | 19 | 34 | -2 | 0.57 | -0.05 | 0.47 | 0.78 | 114 | 28.34 | 73 | - | - | 0 | 7 | 3 | 0 |
| VERSAILLES | 45 | 27 | 68 | 20 | 36 | -2 | 0.48 | -0.14 | 0.35 | 0.63 | 89 | 34.20 | 85 | 42 | 38 | 0 | 6 | 3 | 0 |
| EC COOK STATION | 47 | 27 | 67 | 20 | 37 | -2 | 0.48 | -0.37 | 0.21 | 0.53 | 54 | 32.53 | 78 | 45 | 42 | 0 | 6 | 3 | 0 |
| SW LAMAR | 46 | 28 | 67 | 20 | 37 | -1 | 0.39 | -0.32 | 0.13 | 0.39 | 49 | 49.22 | 109 | 44 | 40 | 0 | 6 | 4 | 0 |
| SC MOUNTAIN GROVE | 46 | 27 | 65 | 20 | 37 | -1 | 0.17 | -0.88 | 0.09 | 0.17 | 13 | - | - | 45 | 38 | 0 | 5 | 3 | 0 |
| SE DELTA | 46 | 30 | 64 | 21 | 38 | -2 | 1.36 | 0.46 | 0.94 | 1.36 | 134 | 32.82 | 77 | 45 | 38 | 0 | 4 | 3 | 1 |
| CHARLESTON | 47 | 31 | 65 | 23 | 40 | 1 | 1.08 | 0.08 | 0.69 | 1.08 | 100 | 41.34 | 96 | 44 | 38 | 0 | 4 | 4 | 1 |
| GLENNONVILLE | 48 | 32 | 67 | 26 | 40 | -2 | 1.10 | 0.19 | 0.83 | 1.10 | 115 | 33.59 | 85 | 45 | 40 | 0 | 4 | 3 | 1 |
| CLARKTON | 48 | 31 | 66 | 24 | 40 | -2 | 1.24 | 0.31 | 1.03 | 1.24 | 127 | 32.79 | 80 | 46 | 38 | 0 | 4 | 3 | 1 |
| PORTAGEVILLE DC | 49 | 33 | 67 | 25 | 41 | -2 | 0.99 | -0.03 | 0.75 | 0.99 | 90 | 37.31 | 87 | 48 | 40 | 0 | 4 | 3 | 1 |
| PORTAGEVILLE LF | 49 | 33 | 68 | 26 | 42 | -1 | 0.90 | -0.12 | 0.69 | 0.90 | 82 | 40.61 | 94 | 47 | 40 | 0 | 4 | 3 | 1 |
| STEELE | 50 | 33 | 68 | 26 | 42 | -1 | 0.49 | -0.71 | 0.26 | 0.49 | 38 | 30.46 | 67 | 48 | 41 | 0 | 3 | 3 | 0 |
| CARDWELL | 49 | 32 | 68 | 26 | 41 | -1 | 0.50 | -0.46 | 0.27 | 0.50 | 47 | 36.73 | 83 | 49 | 41 | 0 | 4 | 3 | 0 |

**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:** A variable weather pattern continued, fluctuating between very cold and very warm. Extreme high temperatures approached 80 degrees F, while extreme lows often fell below freezing. Rainfall was scarce in the Delta, totaling less than 0.25 inch.

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 8, 2007

**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 | 63 | 40 | 73 | 27 | 52 | 4 | 0.24 | -0.76 | 0.18 | 0.24 | 21 | 29.21 | 58 | 87 | 40 | 0 | 3 | 3 | 0 |
| | HUNTSVILLE | 62 | 39 | 71 | 27 | 50 | 4 | 0.33 | -0.96 | 0.33 | 0.34 | 23 | 27.85 | 52 | 75 | 55 | 0 | 4 | 1 | 0 |
| | MOBILE | 70 | 45 | 78 | 29 | 57 | 3 | 0.10 | -1.03 | 0.08 | 0.10 | 8 | 47.32 | 75 | 85 | 56 | 0 | 1 | 2 | 0 |
| | MONTGOMERY | 67 | 38 | 74 | 29 | 53 | 2 | 0.10 | -1.10 | 0.08 | 0.10 | 7 | 34.29 | 67 | 84 | 45 | 0 | 2 | 2 | 0 |
| AK | ANCHORAGE | 32 | 17 | 44 | 6 | 25 | 7 | 0.09 | -0.13 | 0.09 | 0.09 | 35 | 14.79 | 97 | 78 | 68 | 0 | 7 | 1 | 0 |
| | BARROW | 18 | 1 | 24 | -12 | 10 | 18 | 0.01 | 0.01 | 0.01 | 0.01 | 100 | 2.34 | 58 | 91 | 77 | 0 | 7 | 1 | 0 |
| | FAIRBANKS | 12 | -6 | 26 | -19 | 3 | 7 | 0.08 | -0.06 | 0.08 | 0.08 | 50 | 11.08 | 114 | 74 | 61 | 0 | 7 | 1 | 0 |
| | JUNEAU | 21 | 9 | 33 | 0 | 15 | -15 | 0.13 | -1.05 | 0.08 | 0.13 | 10 | 56.34 | 104 | 74 | 66 | 0 | 7 | 2 | 0 |
| | KODIAK | 41 | 28 | 44 | 21 | 34 | 3 | 2.49 | 0.90 | 0.85 | 2.59 | 143 | 81.10 | 117 | 88 | 71 | 0 | 6 | 6 | 3 |
| | NOME | 30 | 15 | 38 | -4 | 23 | 12 | 0.30 | 0.06 | 0.17 | 0.30 | 107 | 13.19 | 83 | 84 | 66 | 0 | 7 | 4 | 0 |
| AZ | FLAGSTAFF | 51 | 25 | 64 | 18 | 38 | 6 | 1.82 | 1.43 | 1.54 | 3.44 | 764 | 16.60 | 77 | 85 | 40 | 0 | 6 | 2 | 1 |
| | PHOENIX | 70 | 50 | 75 | 47 | 60 | 4 | 1.01 | 0.84 | 0.68 | 1.28 | 640 | 5.28 | 70 | 79 | 48 | 0 | 0 | 2 | 1 |
| | PRESCOTT | 57 | 33 | 69 | 25 | 45 | 6 | 0.67 | 0.39 | 0.64 | 1.50 | 484 | 12.88 | 71 | 79 | 33 | 0 | 4 | 2 | 1 |
| | TUCSON | 71 | 45 | 78 | 39 | 58 | 5 | 0.34 | 0.16 | 0.33 | 0.53 | 265 | 9.64 | 85 | 73 | 42 | 0 | 0 | 2 | 0 |
| AR | FORT SMITH | 58 | 34 | 75 | 26 | 46 | 2 | 0.24 | -0.70 | 0.24 | 0.24 | 22 | 42.59 | 102 | 86 | 50 | 0 | 4 | 1 | 0 |
| | LITTLE ROCK | 57 | 36 | 74 | 30 | 47 | 1 | 0.16 | -1.07 | 0.09 | 0.16 | 11 | 39.60 | 83 | 84 | 50 | 0 | 3 | 2 | 0 |
| CA | BAKERSFIELD | 63 | 40 | 70 | 36 | 52 | 3 | 0.03 | -0.11 | 0.02 | 0.03 | 19 | 2.66 | 45 | 67 | 50 | 0 | 0 | 2 | 0 |
| | FRESNO | 60 | 39 | 68 | 33 | 50 | 3 | 0.31 | 0.06 | 0.21 | 0.31 | 111 | 5.03 | 49 | 79 | 59 | 0 | 0 | 2 | 0 |
| | LOS ANGELES | 66 | 50 | 76 | 44 | 58 | 0 | 0.73 | 0.40 | 0.37 | 0.73 | 197 | 4.08 | 35 | 79 | 57 | 0 | 0 | 3 | 0 |
| | REDDING | 58 | 43 | 66 | 33 | 51 | 5 | 2.98 | 2.04 | 1.59 | 2.98 | 279 | 19.76 | 66 | 79 | 66 | 0 | 0 | 5 | 2 |
| | SACRAMENTO | 59 | 43 | 66 | 37 | 51 | 4 | 2.10 | 1.60 | 1.29 | 2.10 | 368 | 10.67 | 66 | 90 | 49 | 0 | 0 | 4 | 2 |
| | SAN DIEGO | 63 | 50 | 67 | 46 | 56 | -2 | 0.38 | 0.16 | 0.20 | 0.54 | 216 | 4.19 | 43 | 82 | 61 | 0 | 0 | 2 | 0 |
| | SAN FRANCISCO | 58 | 49 | 66 | 44 | 53 | 2 | 0.80 | 0.22 | 0.33 | 0.80 | 121 | 9.86 | 55 | 82 | 70 | 0 | 0 | 3 | 0 |
| | STOCKTON | 60 | 42 | 66 | 35 | 51 | 4 | 0.85 | 0.47 | 0.41 | 0.86 | 195 | 7.37 | 59 | 82 | 67 | 0 | 0 | 5 | 0 |
| CO | ALAMOSA | 46 | 24 | 53 | 13 | 35 | 15 | 0.08 | 0.01 | 0.07 | 0.43 | 538 | 8.92 | 127 | 88 | 56 | 0 | 6 | 2 | 0 |
| | CO SPRINGS | 49 | 26 | 71 | 16 | 37 | 7 | 0.31 | 0.25 | 0.28 | 0.31 | 517 | 11.54 | 68 | 78 | 37 | 0 | 6 | 2 | 0 |
| | DENVER INTL | 50 | 26 | 72 | 9 | 38 | 7 | 0.20 | 0.14 | 0.13 | 0.25 | 357 | 13.62 | 102 | 78 | 41 | 0 | 5 | 4 | 0 |
| | GRAND JUNCTION | 44 | 27 | 46 | 23 | 36 | 5 | 1.01 | 0.92 | 0.63 | 1.53 | 1391 | 9.44 | 110 | 87 | 65 | 0 | 6 | 3 | 1 |
| | PUEBLO | 54 | 24 | 75 | 13 | 39 | 7 | 0.33 | 0.26 | 0.33 | 0.33 | 367 | 13.04 | 108 | 76 | 49 | 0 | 6 | 1 | 0 |
| CT | BRIDGEPORT | 41 | 26 | 51 | 21 | 33 | -5 | 0.67 | -0.09 | 0.32 | 0.67 | 77 | 38.03 | 92 | 70 | 41 | 0 | 7 | 3 | 0 |
| | HARTFORD | 33 | 19 | 45 | 14 | 26 | -8 | 0.54 | -0.27 | 0.37 | 0.54 | 57 | 36.58 | 84 | 78 | 58 | 0 | 7 | 3 | 0 |
| DC | WASHINGTON | 42 | 31 | 53 | 23 | 37 | -6 | 0.76 | 0.10 | 0.30 | 0.76 | 100 | 30.43 | 82 | 79 | 51 | 0 | 4 | 4 | 0 |
| DE | WILMINGTON | 40 | 25 | 52 | 16 | 33 | -6 | 1.52 | 0.76 | 1.13 | 1.52 | 175 | 38.52 | 96 | 89 | 50 | 0 | 5 | 5 | 1 |
| FL | DAYTONA BEACH | 75 | 53 | 81 | 45 | 64 | 2 | 0.00 | -0.58 | 0.00 | 0.00 | 0 | 43.19 | 91 | 91 | 45 | 0 | 0 | 0 | 0 |
| | JACKSONVILLE | 71 | 45 | 80 | 32 | 58 | 1 | 0.00 | -0.55 | 0.00 | 0.00 | 0 | 43.27 | 86 | 97 | 49 | 0 | 1 | 0 | 0 |
| | KEY WEST | 80 | 69 | 82 | 61 | 75 | 2 | 0.14 | -0.30 | 0.07 | 0.14 | 27 | 37.98 | 102 | 86 | 62 | 0 | 0 | 2 | 0 |
| | MIAMI | 82 | 68 | 86 | 58 | 75 | 4 | 0.53 | -0.01 | 0.37 | 0.56 | 92 | 65.59 | 115 | 82 | 51 | 0 | 0 | 3 | 0 |
| | ORLANDO | 78 | 54 | 83 | 48 | 66 | 2 | 0.00 | -0.54 | 0.00 | 0.00 | 0 | 37.45 | 80 | 98 | 52 | 0 | 0 | 0 | 0 |
| | PENSACOLA | 69 | 47 | 75 | 35 | 58 | 2 | 0.39 | -0.48 | 0.36 | 0.39 | 39 | 52.80 | 86 | 83 | 53 | 0 | 0 | 2 | 0 |
| | TALLAHASSEE | 72 | 40 | 79 | 30 | 56 | 0 | 0.02 | -0.81 | 0.01 | 0.02 | 2 | 41.54 | 69 | 91 | 59 | 0 | 1 | 2 | 0 |
| | TAMPA | 78 | 57 | 84 | 47 | 68 | 3 | 0.00 | -0.52 | 0.00 | 0.00 | 0 | 40.74 | 95 | 85 | 49 | 0 | 0 | 0 | 0 |
| | WEST PALM BEACH | 79 | 62 | 83 | 51 | 71 | 1 | 0.00 | -0.87 | 0.00 | 0.00 | 0 | 62.14 | 105 | 90 | 58 | 0 | 0 | 0 | 0 |
| GA | ATHENS | 62 | 35 | 72 | 29 | 49 | 2 | 0.24 | -0.56 | 0.21 | 0.24 | 26 | 26.47 | 59 | 69 | 40 | 0 | 2 | 2 | 0 |
| | ATLANTA | 62 | 38 | 73 | 30 | 50 | 2 | 0.20 | -0.68 | 0.18 | 0.20 | 20 | 27.50 | 58 | 71 | 43 | 0 | 2 | 3 | 0 |
| | AUGUSTA | 68 | 35 | 76 | 28 | 51 | 2 | 0.10 | -0.48 | 0.05 | 0.10 | 15 | 26.60 | 63 | 79 | 37 | 0 | 2 | 2 | 0 |
| | COLUMBUS | 65 | 40 | 75 | 31 | 53 | 2 | 0.64 | -0.36 | 0.32 | 0.64 | 56 | 34.62 | 76 | 85 | 39 | 0 | 1 | 2 | 0 |
| | MACON | 67 | 38 | 74 | 29 | 52 | 2 | 0.36 | -0.47 | 0.18 | 0.36 | 38 | 33.40 | 80 | 82 | 36 | 0 | 2 | 2 | 0 |
| | SAVANNAH | 68 | 43 | 77 | 34 | 56 | 3 | 0.02 | -0.49 | 0.02 | 0.02 | 3 | 40.58 | 86 | 84 | 48 | 0 | 0 | 1 | 0 |
| HI | HILO | 82 | 68 | 86 | 65 | 75 | 2 | 1.84 | -1.08 | 1.09 | 1.84 | 54 | 90.93 | 76 | 84 | 75 | 0 | 0 | 5 | 2 |
| | HONOLULU | 79 | 71 | 81 | 67 | 75 | -1 | 2.82 | 2.23 | 0.98 | 2.91 | 434 | 11.85 | 74 | 87 | 80 | 0 | 0 | 7 | 3 |
| | KAHULUI | 78 | 69 | 81 | 65 | 73 | -1 | 5.84 | 5.25 | 1.69 | 5.84 | 859 | 12.13 | 74 | 94 | 85 | 0 | 0 | 7 | 4 |
| | LIHUE | 80 | 69 | 85 | 66 | 74 | 0 | 2.72 | 1.67 | 1.44 | 2.77 | 231 | 19.00 | 53 | 86 | 75 | 0 | 0 | 5 | 2 |
| ID | BOISE | 49 | 35 | 61 | 27 | 42 | 9 | 0.43 | 0.11 | 0.19 | 0.43 | 116 | 7.41 | 66 | 75 | 66 | 0 | 2 | 6 | 0 |
| | LEWISTON | 48 | 35 | 63 | 27 | 41 | 6 | 0.05 | -0.19 | 0.03 | 0.05 | 19 | 7.57 | 63 | 82 | 73 | 0 | 2 | 3 | 0 |
| | POCATELLO | 43 | 30 | 54 | 23 | 37 | 9 | 0.26 | 0.02 | 0.08 | 0.27 | 96 | 9.73 | 83 | 80 | 57 | 0 | 4 | 5 | 0 |
| IL | CHICAGO/O'HARE | 31 | 16 | 45 | 0 | 24 | -7 | 0.72 | 0.10 | 0.23 | 1.35 | 190 | 34.02 | 98 | 85 | 65 | 0 | 7 | 5 | 0 |
| | MOLINE | 31 | 15 | 45 | 3 | 23 | -7 | 0.41 | -0.13 | 0.26 | 1.07 | 173 | 39.73 | 109 | 85 | 63 | 0 | 7 | 4 | 0 |
| | PEORIA | 35 | 19 | 56 | 10 | 27 | -5 | 0.45 | -0.19 | 0.22 | 0.67 | 91 | 34.27 | 100 | 85 | 64 | 0 | 7 | 5 | 0 |
| | ROCKFORD | 28 | 12 | 38 | -4 | 20 | -8 | 0.58 | 0.04 | 0.25 | 1.24 | 200 | 35.95 | 102 | 85 | 64 | 0 | 7 | 5 | 0 |
| | SPRINGFIELD | 38 | 22 | 60 | 14 | 30 | -4 | 0.77 | 0.14 | 0.40 | 0.81 | 111 | 30.18 | 89 | 86 | 65 | 0 | 7 | 6 | 0 |
| IN | EVANSVILLE | 44 | 28 | 61 | 18 | 36 | -3 | 1.80 | 0.87 | 1.38 | 1.80 | 170 | 33.26 | 80 | 83 | 66 | 0 | 5 | 4 | 1 |
| | FORT WAYNE | 33 | 20 | 54 | 1 | 27 | -6 | 0.95 | 0.27 | 0.62 | 1.03 | 132 | 36.86 | 107 | 88 | 69 | 0 | 7 | 6 | 1 |
| | INDIANAPOLIS | 37 | 23 | 58 | 10 | 30 | -5 | 2.59 | 1.83 | 1.10 | 2.61 | 297 | 34.04 | 88 | 92 | 71 | 0 | 7 | 6 | 2 |
| | SOUTH BEND | 34 | 21 | 55 | 6 | 28 | -4 | 0.87 | 0.11 | 0.52 | 1.05 | 121 | 38.30 | 102 | 84 | 67 | 0 | 7 | 5 | 1 |
| IA | BURLINGTON | 38 | 21 | 52 | 15 | 29 | -3 | 0.58 | 0.02 | 0.35 | 0.89 | 139 | 36.72 | 101 | 80 | 54 | 0 | 7 | 5 | 0 |
| | CEDAR RAPIDS | 26 | 12 | 36 | 7 | 19 | -9 | 0.37 | -0.04 | 0.26 | 1.24 | 264 | 37.50 | 116 | 97 | 68 | 0 | 7 | 6 | 0 |
| | DES MOINES | 32 | 16 | 39 | 11 | 24 | -5 | 0.23 | -0.11 | 0.22 | 1.26 | 323 | 40.13 | 119 | 85 | 67 | 0 | 7 | 2 | 0 |
| | DUBUQUE | 26 | 9 | 35 | -2 | 17 | -10 | 0.56 | 0.11 | 0.26 | 1.71 | 329 | 39.07 | 114 | 86 | 68 | 0 | 7 | 4 | 0 |
| | SIOUX CITY | 31 | 14 | 40 | 10 | 22 | -4 | 0.40 | 0.23 | 0.27 | 1.39 | 695 | 40.24 | 158 | 84 | 70 | 0 | 7 | 3 | 0 |
| | WATERLOO | 26 | 8 | 36 | 3 | 17 | -9 | 0.35 | 0.04 | 0.16 | 1.20 | 333 | 41.91 | 129 | 85 | 69 | 0 | 7 | 4 | 0 |
| KS | CONCORDIA | 41 | 21 | 61 | 14 | 31 | -2 | 0.29 | 0.08 | 0.22 | 0.78 | 325 | 28.41 | 102 | 84 | 67 | 0 | 7 | 3 | 0 |
| | DODGE CITY | 48 | 24 | 72 | 16 | 36 | 1 | 0.02 | -0.15 | 0.01 | 0.13 | 68 | 17.48 | 80 | 78 | 47 | 0 | 6 | 2 | 0 |
| | GOODLAND | 50 | 22 | 74 | 13 | 36 | 4 | 0.15 | 0.07 | 0.07 | 0.15 | 167 | 14.31 | 74 | 79 | 59 | 0 | 7 | 3 | 0 |
| | TOPEKA | 46 | 23 | 65 | 18 | 35 | 0 | 0.22 | -0.16 | 0.22 | 0.64 | 145 | 37.43 | 108 | 85 | 61 | 0 | 7 | 1 | 0 |

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

## Weather Data for the Week Ending December 8, 2007

| 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 | 47 | 25 | 64 | 18 | 36 | 0 | 0.02 | -0.30 | 0.02 | 0.22 | 59 | 35.71 | 121 | 83 | 63 | 0 | 7 | 1 | 0 |
| KY | JACKSON | 47 | 31 | 59 | 25 | 39 | -2 | 1.41 | 0.37 | 0.63 | 1.42 | 119 | 31.53 | 68 | 90 | 55 | 0 | 5 | 5 | 1 |
| | LEXINGTON | 43 | 28 | 58 | 17 | 36 | -3 | 1.48 | 0.57 | 0.94 | 1.48 | 142 | 38.63 | 90 | 91 | 72 | 0 | 5 | 5 | 1 |
| | LOUISVILLE | 45 | 31 | 61 | 22 | 38 | -3 | 1.58 | 0.69 | 0.98 | 1.60 | 157 | 39.06 | 93 | 80 | 54 | 0 | 4 | 4 | 1 |
| | PADUCAH | 47 | 30 | 64 | 20 | 38 | -2 | 1.25 | 0.12 | 0.77 | 1.28 | 98 | 37.46 | 81 | 87 | 54 | 0 | 4 | 4 | 1 |
| LA | BATON ROUGE | 74 | 47 | 84 | 31 | 61 | 7 | 0.00 | -1.16 | 0.00 | 0.00 | 0 | 49.30 | 83 | 89 | 41 | 0 | 1 | 0 | 0 |
| | LAKE CHARLES | 72 | 48 | 80 | 32 | 60 | 5 | 0.03 | -0.99 | 0.02 | 0.03 | 3 | 64.57 | 120 | 85 | 50 | 0 | 1 | 2 | 0 |
| | NEW ORLEANS | 72 | 52 | 83 | 39 | 62 | 5 | 0.00 | -1.23 | 0.00 | 0.00 | 0 | 48.66 | 80 | 87 | 70 | 0 | 0 | 0 | 0 |
| | SHREVEPORT | 69 | 43 | 81 | 27 | 56 | 6 | 0.13 | -0.91 | 0.13 | 0.13 | 11 | 43.12 | 90 | 81 | 41 | 0 | 2 | 1 | 0 |
| ME | CARIBOU | 24 | 1 | 30 | -8 | 12 | -9 | 0.45 | -0.25 | 0.41 | 0.45 | 56 | 37.66 | 107 | 94 | 74 | 0 | 7 | 4 | 0 |
| | PORTLAND | 33 | 15 | 41 | 7 | 24 | -7 | 0.61 | -0.37 | 0.58 | 0.61 | 54 | 42.87 | 100 | 82 | 58 | 0 | 7 | 2 | 1 |
| MD | BALTIMORE | 40 | 26 | 52 | 14 | 33 | -7 | 1.03 | 0.30 | 0.49 | 1.03 | 124 | 31.98 | 81 | 84 | 58 | 0 | 5 | 4 | 0 |
| MA | BOSTON | 35 | 23 | 44 | 18 | 29 | -9 | 0.60 | -0.24 | 0.53 | 0.60 | 63 | 34.99 | 88 | 79 | 47 | 0 | 7 | 3 | 1 |
| | WORCESTER | 29 | 17 | 38 | 12 | 23 | -9 | 0.54 | -0.30 | 0.46 | 0.54 | 56 | 39.19 | 85 | 86 | 55 | 0 | 7 | 2 | 0 |
| MI | ALPENA | 26 | 16 | 34 | 7 | 21 | -7 | 0.43 | 0.02 | 0.33 | 0.63 | 134 | 25.14 | 93 | 87 | 66 | 0 | 7 | 4 | 0 |
| | GRAND RAPIDS | 33 | 23 | 44 | 18 | 28 | -3 | 0.61 | -0.11 | 0.44 | 1.10 | 133 | 31.13 | 88 | 86 | 62 | 0 | 7 | 6 | 0 |
| | HOUGHTON LAKE | 26 | 16 | 33 | 10 | 21 | -6 | 0.48 | 0.07 | 0.29 | 0.87 | 185 | 23.61 | 87 | 83 | 68 | 0 | 7 | 4 | 0 |
| | LANSING | 31 | 19 | 44 | 11 | 25 | -5 | 0.58 | 0.01 | 0.43 | 0.91 | 138 | 30.34 | 101 | 82 | 69 | 0 | 7 | 6 | 0 |
| | MUSKEGON | 32 | 24 | 43 | 19 | 28 | -4 | 0.74 | 0.09 | 0.38 | 1.11 | 148 | 27.84 | 90 | 82 | 64 | 0 | 7 | 6 | 0 |
| | TRAVERSE CITY | 28 | 20 | 34 | 14 | 24 | -6 | 0.37 | -0.21 | 0.25 | 0.82 | 124 | 19.62 | 62 | 89 | 62 | 0 | 7 | 6 | 0 |
| MN | DULUTH | 14 | -1 | 26 | -12 | 7 | -11 | 0.27 | -0.01 | 0.22 | 1.10 | 333 | 28.69 | 94 | 81 | 71 | 0 | 7 | 2 | 0 |
| | INT'L FALLS | 10 | -7 | 20 | -22 | 1 | -12 | 0.23 | 0.05 | 0.12 | 0.64 | 305 | 24.65 | 105 | 86 | 70 | 0 | 7 | 4 | 0 |
| | MINNEAPOLIS | 20 | 3 | 27 | -4 | 11 | -12 | 0.23 | -0.03 | 0.22 | 0.71 | 237 | 33.58 | 117 | 85 | 72 | 0 | 7 | 2 | 0 |
| | ROCHESTER | 22 | 1 | 34 | -8 | 11 | -10 | 0.38 | 0.09 | 0.25 | 0.93 | 282 | 40.92 | 133 | 82 | 75 | 0 | 7 | 4 | 0 |
| | ST. CLOUD | 17 | -6 | 25 | -16 | 5 | -14 | 0.37 | 0.20 | 0.34 | 0.91 | 455 | 25.73 | 97 | 87 | 64 | 0 | 7 | 2 | 0 |
| MS | JACKSON | 70 | 43 | 81 | 27 | 57 | 7 | 0.09 | -1.11 | 0.09 | 0.09 | 7 | 31.65 | 61 | 86 | 41 | 0 | 2 | 1 | 0 |
| | MERIDIAN | 70 | 40 | 80 | 26 | 55 | 4 | 0.21 | -1.00 | 0.12 | 0.21 | 15 | 33.01 | 60 | 87 | 56 | 0 | 4 | 2 | 0 |
| | TUPELO | 62 | 39 | 75 | 27 | 51 | 5 | 0.22 | -1.17 | 0.22 | 0.22 | 14 | 38.68 | 75 | 76 | 54 | 0 | 3 | 1 | 0 |
| MO | COLUMBIA | 44 | 26 | 64 | 21 | 35 | 0 | 0.89 | 0.21 | 0.39 | 1.07 | 137 | 30.49 | 79 | 83 | 62 | 0 | 7 | 4 | 0 |
| | KANSAS CITY | 44 | 22 | 63 | 16 | 33 | -1 | 0.18 | -0.26 | 0.17 | 0.58 | 116 | 31.34 | 85 | 84 | 58 | 0 | 7 | 2 | 0 |
| | SAINT LOUIS | 44 | 27 | 69 | 20 | 35 | -2 | 0.56 | -0.20 | 0.26 | 0.56 | 64 | 28.39 | 77 | 79 | 63 | 0 | 7 | 3 | 0 |
| | SPRINGFIELD | 47 | 28 | 69 | 20 | 38 | -1 | 0.47 | -0.45 | 0.20 | 0.47 | 44 | 41.14 | 96 | 81 | 68 | 0 | 6 | 4 | 0 |
| MT | BILLINGS | 40 | 22 | 59 | -1 | 31 | 3 | 0.01 | -0.10 | 0.01 | 0.07 | 54 | 16.26 | 114 | 74 | 48 | 0 | 5 | 1 | 0 |
| | BUTTE | 34 | 15 | 46 | -7 | 25 | 5 | 0.08 | -0.03 | 0.06 | 0.08 | 62 | 12.60 | 102 | 87 | 55 | 0 | 6 | 2 | 0 |
| | CUT BANK | 37 | 12 | 57 | -5 | 24 | 1 | 0.00 | -0.06 | 0.00 | 0.00 | 0 | 5.46 | 45 | 83 | 44 | 0 | 6 | 0 | 0 |
| | GLASGOW | 26 | 4 | 44 | -9 | 15 | -4 | 0.06 | 0.00 | 0.04 | 0.06 | 100 | 14.66 | 134 | 82 | 73 | 0 | 7 | 3 | 0 |
| | GREAT FALLS | 38 | 14 | 55 | -11 | 26 | 0 | 0.00 | -0.11 | 0.00 | 0.00 | 0 | 11.89 | 83 | 78 | 47 | 0 | 5 | 0 | 0 |
| | HAVRE | 32 | 6 | 54 | -9 | 19 | -3 | 0.09 | 0.01 | 0.04 | 0.09 | 100 | 11.97 | 108 | 80 | 70 | 0 | 7 | 3 | 0 |
| | MISSOULA | 40 | 25 | 50 | 15 | 33 | 8 | 0.23 | -0.02 | 0.13 | 0.23 | 82 | 10.04 | 78 | 86 | 71 | 0 | 4 | 3 | 0 |
| NE | GRAND ISLAND | 37 | 21 | 57 | 13 | 29 | 1 | 0.56 | 0.37 | 0.31 | 1.01 | 459 | 38.47 | 151 | 87 | 74 | 0 | 7 | 4 | 0 |
| | LINCOLN | 38 | 18 | 54 | 13 | 28 | -2 | 0.35 | 0.12 | 0.33 | 1.22 | 452 | 34.52 | 124 | 82 | 69 | 0 | 7 | 3 | 0 |
| | NORFOLK | 33 | 18 | 49 | 11 | 26 | -1 | 1.22 | 1.03 | 1.05 | 2.17 | 986 | 39.36 | 150 | 84 | 72 | 0 | 7 | 4 | 1 |
| | NORTH PLATTE | 43 | 19 | 65 | 12 | 31 | 3 | 0.22 | 0.14 | 0.14 | 0.38 | 422 | 23.94 | 124 | 86 | 60 | 0 | 7 | 2 | 0 |
| | OMAHA | 36 | 17 | 48 | 11 | 27 | -2 | 0.22 | -0.05 | 0.17 | 1.22 | 394 | 38.98 | 132 | 85 | 72 | 0 | 7 | 2 | 0 |
| | SCOTTSBLUFF | 45 | 21 | 63 | 2 | 33 | 5 | 0.42 | 0.28 | 0.34 | 0.46 | 288 | 9.07 | 57 | 83 | 64 | 0 | 6 | 3 | 0 |
| | VALENTINE | 37 | 19 | 63 | 9 | 28 | 2 | 0.43 | 0.34 | 0.19 | 0.66 | 660 | 25.72 | 133 | 82 | 67 | 0 | 7 | 4 | 0 |
| NV | ELY | 48 | 19 | 65 | 3 | 34 | 6 | 0.46 | 0.38 | 0.35 | 0.46 | 511 | 6.52 | 68 | 79 | 52 | 0 | 7 | 3 | 0 |
| | LAS VEGAS | 60 | 42 | 67 | 36 | 51 | 2 | 0.00 | -0.06 | 0.00 | 0.07 | 100 | 2.83 | 68 | 66 | 47 | 0 | 0 | 0 | 0 |
| | RENO | 52 | 32 | 68 | 23 | 42 | 7 | 0.94 | 0.75 | 0.90 | 0.94 | 427 | 3.64 | 53 | 71 | 57 | 0 | 4 | 2 | 1 |
| | WINNEMUCCA | 47 | 28 | 67 | 20 | 38 | 7 | 0.40 | 0.23 | 0.28 | 1.40 | 737 | 7.42 | 96 | 68 | 54 | 0 | 6 | 3 | 0 |
| NH | CONCORD | 30 | 10 | 41 | 1 | 20 | -10 | 0.86 | 0.17 | 0.83 | 0.86 | 108 | 38.21 | 108 | 88 | 56 | 0 | 7 | 3 | 1 |
| NJ | NEWARK | 39 | 25 | 50 | 20 | 32 | -8 | 0.10 | -0.72 | 0.09 | 0.10 | 11 | 49.85 | 114 | 71 | 52 | 0 | 6 | 2 | 0 |
| NM | ALBUQUERQUE | 57 | 37 | 64 | 29 | 47 | 9 | 0.03 | -0.05 | 0.03 | 0.40 | 444 | 9.49 | 105 | 63 | 32 | 0 | 2 | 1 | 0 |
| NY | ALBANY | 32 | 17 | 41 | 10 | 24 | -8 | 0.68 | 0.04 | 0.42 | 0.69 | 95 | 41.19 | 114 | 84 | 55 | 0 | 7 | 2 | 0 |
| | BINGHAMTON | 29 | 16 | 37 | 7 | 22 | -9 | 0.87 | 0.11 | 0.74 | 0.87 | 100 | 37.37 | 102 | 87 | 72 | 0 | 7 | 5 | 1 |
| | BUFFALO | 33 | 20 | 46 | 16 | 27 | -6 | 1.08 | 0.17 | 0.78 | 1.20 | 115 | 32.12 | 85 | 83 | 61 | 0 | 7 | 5 | 1 |
| | ROCHESTER | 32 | 18 | 44 | 9 | 25 | -8 | 1.09 | 0.44 | 0.85 | 1.10 | 147 | 28.94 | 90 | 79 | 65 | 0 | 7 | 3 | 1 |
| | SYRACUSE | 32 | 15 | 43 | 6 | 24 | -8 | 1.31 | 0.50 | 0.94 | 1.35 | 145 | 37.29 | 98 | 86 | 69 | 0 | 7 | 5 | 1 |
| NC | ASHEVILLE | 54 | 30 | 67 | 26 | 42 | 1 | 0.06 | -0.71 | 0.03 | 0.06 | 7 | 30.39 | 68 | 74 | 50 | 0 | 5 | 2 | 0 |
| | CHARLOTTE | 56 | 34 | 74 | 29 | 45 | -2 | 0.01 | -0.66 | 0.01 | 0.01 | 1 | 24.39 | 59 | 69 | 33 | 0 | 2 | 1 | 0 |
| | GREENSBORO | 52 | 33 | 69 | 28 | 43 | -1 | 0.01 | -0.66 | 0.01 | 0.01 | 1 | 28.31 | 69 | 65 | 35 | 0 | 2 | 1 | 0 |
| | HATTERAS | 59 | 42 | 68 | 38 | 51 | -1 | 0.02 | -0.90 | 0.02 | 0.02 | 2 | 33.30 | 61 | 82 | 54 | 0 | 0 | 1 | 0 |
| | RALEIGH | 55 | 33 | 71 | 25 | 44 | -2 | 0.04 | -0.59 | 0.04 | 0.04 | 5 | 31.46 | 77 | 72 | 35 | 0 | 2 | 1 | 0 |
| | WILMINGTON | 63 | 37 | 75 | 33 | 50 | -1 | 0.01 | -0.82 | 0.01 | 0.01 | 1 | 30.47 | 56 | 87 | 41 | 0 | 0 | 1 | 0 |
| ND | BISMARCK | 20 | -1 | 33 | -13 | 10 | -9 | 0.04 | -0.05 | 0.04 | 0.17 | 170 | 19.12 | 116 | 82 | 71 | 0 | 7 | 1 | 0 |
| | DICKINSON | 30 | 3 | 56 | -11 | 16 | -5 | 0.02 | -0.06 | 0.02 | 0.02 | 22 | 16.62 | 103 | 84 | 56 | 0 | 7 | 1 | 0 |
| | FARGO | 13 | -9 | 21 | -20 | 2 | -15 | 0.65 | 0.54 | 0.52 | 1.32 | 1015 | 25.82 | 124 | 84 | 72 | 0 | 7 | 4 | 1 |
| | GRAND FORKS | 10 | -13 | 17 | -26 | -2 | -18 | 0.59 | 0.48 | 0.33 | 0.77 | 592 | 21.26 | 111 | 87 | 71 | 0 | 7 | 7 | 0 |
| | JAMESTOWN | 14 | -3 | 19 | -14 | 5 | -12 | 0.00 | -0.08 | 0.00 | 0.15 | 167 | 20.51 | 113 | 85 | 60 | 0 | 7 | 0 | 0 |
| | WILLISTON | 22 | -4 | 37 | -20 | 9 | -7 | 0.07 | -0.05 | 0.07 | 0.08 | 57 | 14.53 | 106 | 79 | 69 | 0 | 7 | 1 | 0 |
| OH | AKRON-CANTON | 35 | 21 | 53 | 7 | 28 | -6 | 1.14 | 0.42 | 0.75 | 1.20 | 145 | 37.76 | 104 | 90 | 75 | 0 | 7 | 6 | 1 |
| | CINCINNATI | 38 | 26 | 56 | 14 | 32 | -6 | 2.01 | 1.25 | 1.27 | 2.06 | 237 | 33.43 | 83 | 92 | 78 | 0 | 5 | 6 | 1 |
| | CLEVELAND | 35 | 25 | 53 | 12 | 30 | -5 | 0.81 | 0.01 | 0.60 | 0.87 | 96 | 38.35 | 105 | 78 | 57 | 0 | 7 | 3 | 1 |
| | COLUMBUS | 38 | 26 | 56 | 9 | 32 | -5 | 1.61 | 0.89 | 1.05 | 1.61 | 194 | 37.15 | 102 | 83 | 73 | 0 | 5 | 4 | 1 |
| | DAYTON | 35 | 22 | 54 | 6 | 29 | -6 | 1.43 | 0.69 | 0.95 | 1.43 | 170 | 37.89 | 101 | 91 | 71 | 0 | 7 | 3 | 1 |
| | MANSFIELD | 34 | 21 | 53 | 6 | 28 | -5 | 1.29 | 0.47 | 0.96 | 1.34 | 143 | 45.35 | 111 | 92 | 62 | 0 | 7 | 5 | 1 |

**Based on 1971-2000 normals**

***** Not Available**

## Weather Data for the Week Ending December 8, 2007

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS TEMP. °F | | NUMBER OF DAYS 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 | 20 | 54 | 4 | 27 | -6 | 0.51 | -0.14 | 0.40 | 0.66 | 88 | 33.64 | 107 | 86 | 67 | 0 | 7 | 3 | 0 |
| | YOUNGSTOWN | 36 | 21 | 52 | 13 | 28 | -6 | 1.61 | 0.86 | 0.78 | 1.66 | 193 | 35.88 | 100 | 88 | 71 | 0 | 7 | 6 | 1 |
| OK | OKLAHOMA CITY | 55 | 33 | 69 | 25 | 44 | 2 | 0.00 | -0.41 | 0.00 | 0.10 | 21 | 55.04 | 160 | 76 | 47 | 0 | 3 | 0 | 0 |
| | TULSA | 52 | 29 | 70 | 22 | 41 | -1 | 0.13 | -0.53 | 0.08 | 0.13 | 17 | 49.38 | 121 | 76 | 59 | 0 | 6 | 2 | 0 |
| OR | ASTORIA | 50 | 41 | 55 | 29 | 45 | 1 | 3.74 | 1.59 | 2.51 | 4.20 | 167 | 56.42 | 95 | 94 | 82 | 0 | 1 | 4 | 2 |
| | BURNS | 41 | 26 | 52 | 15 | 34 | 7 | 0.45 | 0.17 | 0.41 | 0.45 | 145 | 8.04 | 84 | 86 | 74 | 0 | 6 | 3 | 0 |
| | EUGENE | 52 | 41 | 61 | 29 | 47 | 6 | 2.42 | 0.38 | 1.10 | 2.66 | 114 | 30.20 | 67 | 94 | 88 | 0 | 1 | 6 | 2 |
| | MEDFORD | 52 | 41 | 61 | 32 | 46 | 7 | 1.25 | 0.54 | 0.54 | 1.25 | 154 | 15.58 | 96 | 87 | 65 | 0 | 1 | 6 | 1 |
| | PENDLETON | 48 | 34 | 63 | 14 | 41 | 6 | 0.78 | 0.43 | 0.38 | 0.95 | 238 | 10.84 | 93 | 76 | 66 | 0 | 3 | 4 | 0 |
| | PORTLAND | 51 | 40 | 62 | 31 | 45 | 3 | 3.72 | 2.34 | 1.60 | 3.84 | 243 | 28.73 | 87 | 95 | 86 | 0 | 1 | 5 | 2 |
| | SALEM | 52 | 42 | 61 | 30 | 47 | 6 | 3.17 | 1.59 | 1.22 | 3.41 | 188 | 31.41 | 89 | 97 | 86 | 0 | 1 | 6 | 3 |
| PA | ALLENTOWN | 36 | 22 | 46 | 14 | 29 | -6 | 0.56 | -0.23 | 0.44 | 0.56 | 62 | 40.99 | 96 | 81 | 63 | 0 | 7 | 4 | 0 |
| | ERIE | 37 | 24 | 53 | 17 | 31 | -5 | 1.59 | 0.66 | 1.04 | 1.67 | 158 | 38.70 | 97 | 84 | 68 | 0 | 7 | 4 | 2 |
| | MIDDLETOWN | 35 | 25 | 43 | 16 | 30 | -7 | 0.67 | -0.14 | 0.44 | 0.67 | 72 | 38.22 | 100 | 90 | 55 | 0 | 6 | 5 | 0 |
| | PHILADELPHIA | 39 | 27 | 50 | 20 | 33 | -8 | 1.18 | 0.44 | 0.90 | 1.18 | 139 | 38.94 | 98 | 81 | 56 | 0 | 5 | 5 | 1 |
| | PITTSBURGH | 38 | 22 | 54 | 7 | 30 | -6 | 0.98 | 0.29 | 0.61 | 0.99 | 124 | 37.47 | 105 | 86 | 62 | 0 | 6 | 5 | 1 |
| | WILKES-BARRE | 32 | 19 | 39 | 8 | 25 | -10 | 0.60 | -0.04 | 0.53 | 0.60 | 81 | 40.35 | 113 | 87 | 61 | 0 | 7 | 5 | 1 |
| | WILLIAMSPORT | 34 | 21 | 42 | 11 | 27 | -7 | 0.53 | -0.22 | 0.42 | 0.55 | 63 | 32.54 | 82 | 80 | 61 | 0 | 7 | 4 | 0 |
| RI | PROVIDENCE | 36 | 23 | 44 | 19 | 29 | -8 | 0.72 | -0.22 | 0.54 | 0.72 | 67 | 38.91 | 90 | 72 | 47 | 0 | 7 | 3 | 1 |
| SC | BEAUFORT | 68 | 43 | 76 | 34 | 56 | 3 | 0.03 | -0.56 | 0.02 | 0.03 | 4 | 33.28 | 70 | 85 | 41 | 0 | 0 | 2 | 0 |
| | CHARLESTON | 68 | 42 | 76 | 34 | 55 | 2 | 0.04 | -0.60 | 0.02 | 0.04 | 5 | 37.71 | 77 | 80 | 39 | 0 | 0 | 2 | 0 |
| | COLUMBIA | 64 | 36 | 73 | 32 | 50 | 1 | 0.01 | -0.64 | 0.01 | 0.01 | 1 | 25.73 | 56 | 68 | 36 | 0 | 2 | 1 | 0 |
| | GREENVILLE | 58 | 35 | 74 | 31 | 47 | 1 | 0.01 | -0.82 | 0.01 | 0.01 | 1 | 25.94 | 55 | 74 | 32 | 0 | 3 | 1 | 0 |
| SD | ABERDEEN | 18 | -8 | 28 | -15 | 5 | -15 | 0.04 | -0.02 | 0.04 | 0.79 | 1317 | 28.25 | 142 | 83 | 74 | 0 | 7 | 1 | 0 |
| | HURON | 23 | 0 | 38 | -8 | 11 | -11 | 0.00 | -0.08 | 0.00 | 0.51 | 510 | 30.70 | 149 | 84 | 63 | 0 | 7 | 0 | 0 |
| | RAPID CITY | 36 | 15 | 66 | 0 | 25 | -2 | 0.34 | 0.28 | 0.19 | 0.38 | 633 | 13.16 | 81 | 86 | 63 | 0 | 7 | 3 | 0 |
| | SIOUX FALLS | 25 | 6 | 35 | -2 | 16 | -6 | 0.03 | -0.11 | 0.03 | 0.89 | 524 | 31.18 | 128 | 82 | 72 | 0 | 7 | 1 | 0 |
| TN | BRISTOL | 48 | 31 | 57 | 23 | 39 | -1 | 0.45 | -0.33 | 0.26 | 0.45 | 51 | 19.78 | 51 | 89 | 45 | 0 | 5 | 3 | 0 |
| | CHATTANOOGA | 60 | 39 | 68 | 28 | 49 | 4 | 0.31 | -0.82 | 0.31 | 0.31 | 24 | 35.44 | 69 | 70 | 45 | 0 | 3 | 1 | 0 |
| | KNOXVILLE | 52 | 33 | 66 | 26 | 43 | 0 | 0.52 | -0.50 | 0.40 | 0.52 | 45 | 30.21 | 67 | 81 | 47 | 0 | 4 | 2 | 0 |
| | MEMPHIS | 60 | 37 | 76 | 29 | 49 | 3 | 0.14 | -1.31 | 0.14 | 0.14 | 8 | 30.23 | 60 | 80 | 51 | 0 | 3 | 1 | 0 |
| | NASHVILLE | 55 | 35 | 67 | 25 | 45 | 2 | 0.80 | -0.29 | 0.55 | 0.80 | 64 | 32.49 | 72 | 83 | 49 | 0 | 4 | 3 | 1 |
| TX | ABILENE | 70 | 39 | 80 | 27 | 55 | 8 | 0.00 | -0.24 | 0.00 | 0.00 | 0 | 35.21 | 155 | 78 | 48 | 0 | 1 | 0 | 0 |
| | AMARILLO | 61 | 32 | 77 | 23 | 46 | 7 | 0.00 | -0.09 | 0.00 | 0.17 | 170 | 21.47 | 112 | 73 | 35 | 0 | 4 | 0 | 0 |
| | AUSTIN | 76 | 45 | 85 | 25 | 60 | 6 | 0.02 | -0.51 | 0.01 | 0.02 | 3 | 45.47 | 143 | 80 | 48 | 0 | 2 | 2 | 0 |
| | BEAUMONT | 72 | 49 | 80 | 32 | 61 | 5 | 0.05 | -1.08 | 0.05 | 0.05 | 4 | 61.27 | 110 | 90 | 49 | 0 | 1 | 1 | 0 |
| | BROWNSVILLE | 80 | 59 | 85 | 42 | 70 | 7 | 0.00 | -0.27 | 0.00 | 0.00 | 0 | 30.95 | 116 | 89 | 69 | 0 | 0 | 0 | 0 |
| | CORPUS CHRISTI | 78 | 54 | 84 | 30 | 66 | 6 | 0.03 | -0.33 | 0.03 | 0.03 | 7 | 41.42 | 134 | 87 | 55 | 0 | 1 | 1 | 0 |
| | DEL RIO | 74 | 47 | 81 | 36 | 60 | 6 | 0.00 | -0.17 | 0.00 | 0.22 | 116 | 30.76 | 174 | 87 | 54 | 0 | 0 | 0 | 0 |
| | EL PASO | 67 | 43 | 72 | 36 | 55 | 8 | 0.00 | -0.16 | 0.00 | 0.07 | 39 | 9.78 | 111 | 70 | 27 | 0 | 0 | 0 | 0 |
| | FORT WORTH | 74 | 44 | 84 | 35 | 59 | 10 | 0.01 | -0.53 | 0.01 | 0.01 | 2 | 47.71 | 146 | 75 | 35 | 0 | 0 | 1 | 0 |
| | GALVESTON | 72 | 56 | 79 | 44 | 64 | 4 | 0.06 | -0.74 | 0.06 | 0.06 | 7 | 50.12 | 122 | 91 | 58 | 0 | 0 | 1 | 0 |
| | HOUSTON | 74 | 50 | 83 | 33 | 62 | 6 | 0.08 | -0.76 | 0.08 | 0.08 | 8 | 63.27 | 140 | 91 | 54 | 0 | 0 | 1 | 0 |
| | LUBBOCK | 66 | 34 | 79 | 24 | 50 | 8 | 0.00 | -0.14 | 0.00 | 0.03 | 19 | 23.07 | 127 | 71 | 43 | 0 | 2 | 0 | 0 |
| | MIDLAND | 73 | 37 | 78 | 26 | 55 | 9 | 0.00 | -0.14 | 0.00 | 0.01 | 7 | 20.82 | 146 | 77 | 31 | 0 | 1 | 0 | 0 |
| | SAN ANGELO | 75 | 39 | 81 | 32 | 57 | 9 | 0.00 | -0.19 | 0.00 | 0.00 | 0 | 31.90 | 158 | 81 | 42 | 0 | 2 | 0 | 0 |
| | SAN ANTONIO | 77 | 50 | 86 | 33 | 64 | 10 | 0.00 | -0.44 | 0.00 | 0.00 | 0 | 46.87 | 149 | 85 | 36 | 0 | 0 | 0 | 0 |
| | VICTORIA | 76 | 50 | 83 | 31 | 63 | 6 | 0.03 | -0.52 | 0.01 | 0.04 | 6 | 69.25 | 181 | 93 | 56 | 0 | 1 | 3 | 0 |
| | WACO | 74 | 44 | 82 | 30 | 59 | 9 | 0.00 | -0.63 | 0.00 | 0.01 | 1 | 47.27 | 151 | 84 | 46 | 0 | 2 | 0 | 0 |
| | WICHITA FALLS | 64 | 37 | 74 | 29 | 51 | 6 | 0.00 | -0.36 | 0.00 | 0.01 | 2 | 33.33 | 121 | 75 | 46 | 0 | 1 | 0 | 0 |
| UT | SALT LAKE CITY | 40 | 27 | 45 | 20 | 34 | 2 | 1.64 | 1.37 | 1.03 | 2.20 | 710 | 12.39 | 79 | 88 | 68 | 0 | 6 | 3 | 2 |
| VT | BURLINGTON | 28 | 15 | 37 | 4 | 22 | -7 | 0.79 | 0.23 | 0.55 | 0.79 | 123 | 36.46 | 106 | 82 | 61 | 0 | 7 | 4 | 1 |
| VA | LYNCHBURG | 46 | 26 | 60 | 19 | 36 | -5 | 0.06 | -0.66 | 0.04 | 0.06 | 7 | 34.19 | 84 | 77 | 52 | 0 | 6 | 3 | 0 |
| | NORFOLK | 51 | 35 | 63 | 26 | 43 | -4 | 0.07 | -0.54 | 0.04 | 0.07 | 10 | 30.40 | 70 | 80 | 48 | 0 | 2 | 2 | 0 |
| | RICHMOND | 48 | 29 | 59 | 21 | 39 | -4 | 0.21 | -0.43 | 0.11 | 0.21 | 29 | 34.72 | 84 | 75 | 47 | 0 | 4 | 3 | 0 |
| | ROANOKE | 47 | 30 | 61 | 22 | 38 | -4 | 0.11 | -0.56 | 0.06 | 0.11 | 14 | 27.30 | 68 | 62 | 47 | 0 | 5 | 3 | 0 |
| | WASH/DULLES | 40 | 25 | 52 | 13 | 33 | -6 | 0.77 | 0.07 | 0.32 | 0.77 | 96 | 24.84 | 63 | 77 | 58 | 0 | 4 | 4 | 0 |
| WA | OLYMPIA | 49 | 38 | 58 | 24 | 43 | 4 | 5.71 | 3.80 | 3.54 | 6.14 | 280 | 43.13 | 96 | 88 | 79 | 0 | 1 | 5 | 2 |
| | QUILLAYUTE | 49 | 37 | 53 | 29 | 43 | 2 | 3.28 | -0.17 | 2.58 | 3.75 | 95 | 103.84 | 114 | 92 | 77 | 0 | 2 | 3 | 2 |
| | SEATTLE-TACOMA | 48 | 39 | 59 | 30 | 44 | 2 | 5.44 | 4.07 | 3.97 | 5.68 | 362 | 35.59 | 108 | 85 | 76 | 0 | 1 | 4 | 2 |
| | SPOKANE | 41 | 28 | 54 | 19 | 34 | 5 | 1.71 | 1.16 | 1.34 | 1.78 | 283 | 12.07 | 80 | 88 | 70 | 0 | 5 | 3 | 1 |
| | YAKIMA | 47 | 28 | 62 | 19 | 38 | 7 | 0.62 | 0.32 | 0.32 | 0.72 | 212 | 5.20 | 72 | 91 | 76 | 0 | 5 | 4 | 0 |
| WV | BECKLEY | 43 | 26 | 57 | 13 | 35 | -3 | 0.87 | 0.18 | 0.37 | 0.87 | 110 | 36.05 | 92 | 85 | 65 | 0 | 5 | 4 | 0 |
| | CHARLESTON | 45 | 29 | 62 | 18 | 37 | -3 | 1.32 | 0.51 | 0.78 | 1.32 | 142 | 33.28 | 80 | 89 | 59 | 0 | 5 | 4 | 1 |
| | ELKINS | 39 | 21 | 59 | 0 | 30 | -5 | 1.76 | 0.96 | 1.13 | 1.76 | 191 | 44.67 | 103 | 97 | 67 | 0 | 5 | 6 | 1 |
| | HUNTINGTON | 44 | 29 | 59 | 18 | 36 | -4 | 1.24 | 0.47 | 0.72 | 1.24 | 141 | 29.83 | 75 | 90 | 63 | 0 | 5 | 4 | 1 |
| WI | EAU CLAIRE | 21 | -1 | 32 | -13 | 10 | -12 | 0.28 | 0.00 | 0.28 | 1.14 | 356 | 29.46 | 94 | 87 | 63 | 0 | 7 | 1 | 0 |
| | GREEN BAY | 26 | 10 | 37 | -7 | 18 | -7 | 0.13 | -0.26 | 0.05 | 0.61 | 139 | 25.02 | 89 | 80 | 60 | 0 | 7 | 4 | 0 |
| | LA CROSSE | 25 | 4 | 37 | -7 | 14 | -12 | 0.40 | 0.06 | 0.33 | 1.61 | 403 | 39.84 | 126 | 84 | 60 | 0 | 7 | 3 | 0 |
| | MADISON | 24 | 7 | 37 | -10 | 16 | -11 | 0.53 | 0.09 | 0.31 | 1.53 | 300 | 42.32 | 133 | 86 | 66 | 0 | 7 | 6 | 0 |
| | MILWAUKEE | 28 | 16 | 38 | 3 | 22 | -8 | 0.68 | 0.12 | 0.30 | 1.38 | 212 | 31.05 | 93 | 83 | 64 | 0 | 7 | 6 | 0 |
| WY | CASPER | 36 | 19 | 55 | 2 | 28 | 3 | 0.22 | 0.08 | 0.17 | 0.39 | 244 | 14.59 | 116 | 78 | 59 | 0 | 7 | 3 | 0 |
| | CHEYENNE | 41 | 25 | 57 | 9 | 33 | 5 | 0.86 | 0.75 | 0.52 | 0.91 | 700 | 14.73 | 97 | 68 | 47 | 0 | 6 | 3 | 1 |
| | LANDER | 36 | 17 | 56 | -2 | 27 | 4 | 0.72 | 0.57 | 0.44 | 0.88 | 518 | 9.50 | 73 | 83 | 55 | 0 | 7 | 3 | 0 |
| | SHERIDAN | 42 | 18 | 65 | -6 | 30 | 6 | 0.29 | 0.15 | 0.08 | 0.35 | 219 | 15.73 | 111 | 74 | 54 | 0 | 6 | 5 | 0 |

**Based on 1971-2000 normals**

***** Not Available**

# November Weather and Crop Summary

## Weather

*Weather summary provided by USDA/WAOB*

Dry weather across the nation's mid-section hampered winter wheat emergence and establishment, particularly on the central and southern High Plains. Among the Plains' wheat areas, significant precipitation was confined to Montana, where snow insulated the crop from periodically cold weather. For most of November, Western precipitation was confined to areas from Oregon and southern Washington to the northern Rockies. Northwestern winter grains benefited from the boost in topsoil moisture. The remainder of the West experienced warm, dry weather until month's end, when heavy precipitation overspread southern California and the Southwest. Farther east, Midwestern producers completed harvesting and other autumn fieldwork under mostly favorable conditions. Precipitation arrived across the southeastern Corn Belt too late to disrupt fieldwork but in time to foster winter wheat establishment. Elsewhere, wet weather across the interior Northeast and parts of the Tennessee Valley contrasted with drier-than-normal conditions in much of the Southeast. In fact, drought worsened during November in the southern Atlantic States, hampering the development of winter grains but favoring late-season harvest activities and other fieldwork. Monthly temperatures averaged as much as 3°F below normal in the East and the Pacific Northwest, but were at least 5°F above normal at many locations across California, the Plains, and the Southwest.

Tropical Storm Noel moved within about 175 miles of southeastern Florida on November 1 before veering to the north and northeast. Noel later spent nearly 24 hours (on November 1-2) as the Atlantic basin's fifth hurricane of the year, and eventually battered coastal New England (on November 3) as an extra-tropical storm with wind gusts as high as 60 to 90 m.p.h. In late October and early November, Noel's interaction with a high-pressure system to the north generated high winds, heavy surf, and beach erosion along the southern Atlantic Coast. Easterly to northerly winds gusted to 30 m.p.h. or higher on 5 consecutive days (October 28 - November 1) in Florida locations such as Miami and Ft. Lauderdale. Farther north, effects of Noel's remnants were more direct. A gust to 54 m.p.h. was recorded in Duck, NC, on November 2, followed the next day by gusts to 89 m.p.h. in Barnstable, MA, 72 m.p.h. in Nantucket, MA, and 60 m.p.h. in Cape Elizabeth, ME. Rainfall totals of 2 to 5 inches accompanied the high winds across coastal New England, while interior Maine snowfall totals for November 3-4 included 6.0 inches in Fort Kent and 0.6 inch in Caribou.

Elsewhere in early November, persistent Western warmth resulted in more than five dozen daily-record highs. On November 4, records for the date included 82°F in Pueblo, CO; 81°F in Russell, KS; and 69°F in Yakima, WA. A day later, records for November 5 reached 91°F in both Tucson, AZ, and San Angelo, TX. San Angelo narrowly missed its monthly record, set with a high of 93°F on November 8, 1980. From November 6-8, Phoenix, AZ, posted a trio of daily-record highs (94, 92, and 91°F). Meanwhile in California, daily-record highs for November 7 climbed to 85°F in Redding and 84°F in Red Bluff. In contrast, Vichy-Rolla, MO, posted a daily-record low (20°F) on November 6, followed 2 days later by records in Montgomery, AL (28°F), and Apalachicola, FL (34°F). Although the season-ending freeze was roughly on schedule, some Deep South and southern Atlantic locations experienced an unusually early end to the growing season. For example, Wilmington, NC (32°F on November 8), experienced its third-shortest growing season in the last 75 years, in part due to the unusually late freeze last April. Wilmington's growing season normally spans 243 days from March 20 to November 17, but was just 211 days (April 11 - November 7) this year. Meanwhile, Meridian, MS (30°F on November 7) matched the date of its average first autumn freeze.

During the 36 days from October 18 - November 22, no measurable rain fell in Dodge City, KS. In that span, Dodge City's winds gusted to 30 m.p.h. or higher on 19 of 36 days, while temperatures ranged from 14°F (on November 22) to 90°F (on October 20). Farther north, no measurable precipitation fell in La Crosse, WI, from October 20 - November 16, representing its seventh-longest dry spell. It was also La Crosse's longest dry spell since another 28-day dry spell from December 9, 1986 - January 5, 1987. Meanwhile, a trace of snow fell in Chicago, IL, on November 7, more than a week later than the average date (October 30) of the season's first flakes. Elsewhere, the surface elevation of northern Georgia's Lake Lanier fell to a record-low 1051.81 feet above sea level by November 30. The lake's previous low this decade was 1055.61 feet, established on January 17, 2001. Since filling in 1958, Lake Lanier's previous lowest level of 1052.66 feet occurred on December 23, 1981. The Southeast's drought situation was aggravated by a dry November, which resulted in several monthly records (see table below). With a monthly total of 0.17 inch (7 percent of normal), Jacksonville, FL, experienced its driest November since 1970, when only a trace fell.

**Record-Low November Precipitation (Inches)**

| Location | Total | Normal | Previous Record |
|---|---|---|---|
| Charleston (dntn.), SC | 0.00 | 2.18 | 0.21 in 1996 |
| Brunswick, GA | Trace | 2.49 | 0.07 in 1956 |
| Charleston (airport), SC | 0.03 | 2.66 | 0.16 in 1998 |
| Green Bay, WI | 0.10 | 2.27 | 0.16 in 1976 |
| Roanoke, VA | 0.18 | 3.21 | 0.44 in 1960 |
| Florence, SC | 0.22 | 2.59 | 0.40 in 2001 |
| Raleigh-Durham, NC | 0.48 | 2.97 | 0.50 in 2001 |

By mid-November, record warmth developed across southern California, where Long Beach (89 and 91°F) notched consecutive daily-record highs on November 13-14. Other daily-record highs above the 90-degree mark in southern California included 93°F (on November 13) in Fullerton and 91°F (on November 15) in Santa Ana. In contrast, chilly

weather returned to the Southeast, where daily-record lows dipped to 24°F (on November 16) in Vicksburg, MS, and 29°F (on November 17) in North Myrtle Beach, SC. Elsewhere in the Southeast, thunderstorms spawned about a half dozen tornadoes on November 14 in Alabama, Kentucky, and Tennessee. Later, the season's first measurable snow fell on November 17 in Rochester, MN, and La Crosse, WI (0.1 inch in both locations); the normal first accumulation dates are November 3 and 11, respectively. Much heavier precipitation was observed in the Northeast, where Millinocket, ME, received 3.92 inches of rain on November 15-16. Mt. Mansfield, Vermont's highest peak, received 12.0 inches of snow from November 15-17. Meanwhile in Texas, more than 4 inches of rain soaked parts of the Houston area on November 17-18.

After mid-month, record-setting warmth spread from the West across the remainder of the country. In Arizona, daily-record highs for November 18 included 90°F at Organ Pipe Cactus National Monument and 81°F in Douglas. The following day, readings of 88°F in Phoenix, AZ; 86°F in Childress, TX; 85°F in Hill City, KS; and 81°F in Kearney, NE, were among more than 100 daily-record highs. By November 20, warmth began to shift across the South, where records for the date reached 84°F in Dallas-Ft. Worth, TX, and 77°F in Pinson, AL. Additional daily records in Texas for November 21 included 93°F in McAllen and 88°F in San Antonio. November 22 (Thanksgiving Day) featured daily-record highs in Eastern cities such as Norfolk, VA (78°F), and Scranton, PA (68°F). In contrast, Western record lows for November 22 dipped to -10°F in Laramie, WY; -6°F in Randolph, UT; and 11°F in Russell, KS. Three days earlier, Russell (83°F) had reported a daily-record high. Farther west, a wind gust to 59 m.p.h. was clocked on November 24 in Malibu Hills, CA. Meanwhile, the nearby Corral Canyon fire charred nearly 5,000 acres of vegetation and consumed more than 50 homes in Malibu on November 24-25.

Farther north, heavy snow spread into Montana by November 19, when daily records reached 12.6 inches in Neihart and 7.8 inches in Great Falls. From November 18-21, a total of 9.7 inches of snow blanketed Great Falls. Later, snow reached the Midwest, where records for November 21 totaled 4.8 inches in Des Moines, IA, and 1.2 inches in Milwaukee, WI. Snow also developed across the southern Rockies and southern High Plains. In western Texas, Midland received daily-record totals on 3 of 4 days (1.7, 1.5, and 3.0 inches on November 22, 24, and 25, respectively). Midland's 6.2-inch total exceeded its normal annual snowfall of 5.2 inches. Other daily snowfall records included 2.0 inches (on November 24) in Wichita, KS, and 3.5 inches (on November 23) in Dalhart, TX. Elsewhere in Texas, Abilene received 6.6 inches of snow during the month (all on November 22 and 25), representing its third-highest November total.

Toward month's end, stormy weather arrived in both the Northwest and Southwest. By November 29, heavy snow blanketed the interior Northwest, where both Pendleton, OR (5.7 inches), and Yakima, WA (5.6 inches), received daily-record totals. From November 28 - December 1, Pendleton's 4-day snowfall reached 9.4 inches. During the Northwestern stormy spell, offshore wave heights averaged 40 feet at several buoys near the Oregon coast, with peak wave heights in the 60- to 70-foot range. Meanwhile, heavy rain arrived in the Southwest on the last day of November. Daily-record rainfall totals for November 30 included 1.23 inches in Phoenix, AZ, and 2.00 inches in Vista, CA. The storm boosted the year-to-date rainfall in Phoenix from 2.73 to 4.01 inches. Elsewhere in Arizona, Mount Lemmon (near Tucson) netted 4.80 inches of rain in a 24-hour period on November 30 - December 1. In Blythe, CA, where 1.04 inches fell on November 30, the storm accounted for more than one-quarter of the normal annual rainfall of 4.02 inches. Farther north, 25 inches of snow blanketed Brian Head, in southwestern Utah.

Periods of generally beneficial rain fell in Hawaii, providing relief in drought-affected parts of the islands. Early-month rainfall was most impressive on Oahu, where 24-hour totals (on November 3-4) topped 8 inches in several windward locations. During the same period, even leeward and interior sites on Oahu received heavy rainfall, which totaled 7.06 inches at Wheeler Airfield and 5.33 inches in Mililani. Elsewhere on Oahu, Honolulu's daily-record total of 3.81 inches on November 4 accounted for exactly half of its year-to-date rainfall. Later, on November 27-28, rainfall totaled more than 6 inches and caused some flash flooding. Selected 2-day totals included 6.93 inches in Honaunau, on the Big Island, and 7.00 inches in Hanapepe, Kauai. Most (5.60 inches) of Honaunau's rain fell in a 3-hour period during the afternoon of November 28.

Alaskan monthly temperatures averaged 7 to 14°F above normal across much of the mainland, while near-normal temperatures accompanied some snow across the state's southern and western tiers. McGrath noted a monthly snowfall total of 22.6 inches, nearly all (19.7 inches) of which fell from November 3-11. More than 95 percent of Anchorage's 14.8-inch snowfall total occurred from November 10-19. In Juneau, the season's first measurable snow, totaling 4.3 inches, fell on November 5. Later, Bettles netted a daily-record snowfall (5.8 inches on November 18), followed by consecutive daily-record highs of 37°F on both November 22 and 23. November ended on a mild, dry note across most of the Alaskan mainland, where King Salmon posted daily-record highs of 50°F on November 30 and December 1. Elsewhere, Bethel posted five consecutive daily-record highs (42, 42, 47, 50, and 49°F) from November 27 - December 1, while Cold Bay was pelted by 5.48 inches of rain on November 29-30. In contrast, Fairbanks completed its sixth-driest November, with a precipitation total of just 0.11 inch (16 percent of normal). Fairbanks' November snowfall totaled 4.2 inches, well below the normal of 15.0 inches.

## Fieldwork

*Fieldwork summary provided by USDA/NASS*

In the Pacific Northwest, heavy precipitation (up to 12 inches in some areas) fell west of the Cascades, while other areas west of the Rockies experienced light to moderate precipitation.

Throughout the Great Plains, the northwestern Corn Belt, and along the Atlantic coastal plain, precipitation during the month was extremely light and scattered. Moderate precipitation was observed across the southern and eastern Corn Belt, while some heavy precipitation fell from eastern Texas into New England. November temperatures averaged within 4°F of normal across most of the nation, ranging from below normal in the East to above normal west of the Mississippi River. An exception was the Pacific Northwest, where temperatures averaged slightly below normal.

Corn harvest continued to progress ahead of the normal pace. By November 18, growers had harvested 97 percent of their acreage, 4 points ahead of last year and 3 points ahead of normal. Harvest was at or ahead of normal in all States but lagged slightly behind last year's pace in the Dakotas. Harvest was complete or nearly complete in all States except Michigan, Pennsylvania, South Dakota, and Wisconsin.

The sorghum harvest remained 10 or more points ahead of last year's pace and normal during the month of November. By November 18, ninety-seven percent of the crop had been reaped, compared with 87 percent last year and 86 percent for the 5-year average. Early in the month, acreage was completely harvested in Arkansas and Louisiana. By November 18, harvest in Illinois and South Dakota had also been completed. In all other States except Oklahoma, harvest was nearly complete.

Winter wheat planting was nearly complete by November 11, one point behind last year's pace but the same as the 5-year average. Planting was nearly complete or nearly complete everywhere except Arkansas, California, Missouri, North Carolina, and Texas. Emergence of the crop remained behind the pace of last year and normal throughout the month. By November 25, eighty-nine percent of the acreage had emerged, 4 points behind both last year and normal. Development lagged normal by 12 or more points in Oklahoma and Texas, where producers were late getting fall seedings in the ground and rainfall was light.

The nation's soybean crop was 97 percent harvested by November 11, ahead of last year and the 5-year average by 3 percent. Growers had completed harvest in Louisiana, Minnesota, the Dakotas, and Ohio. Elsewhere, all remaining soybean States—except North Carolina—were nearing harvest completion, with no more than 11 percent of the crop remaining in the fields. In North Carolina, producers had harvested 39 percent of their acreage on November 11, ahead of their normal pace of 31 percent. As harvest was winding down, producers in Kentucky and Tennessee were well ahead of their normal harvest pace.

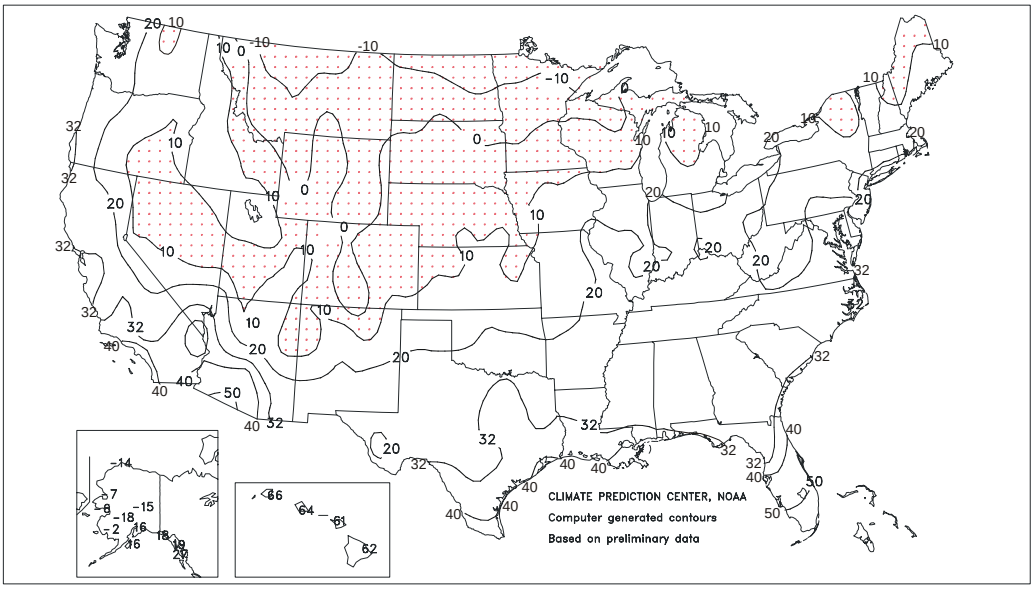
Sunflower harvest remained 4 points ahead of normal during the month, with harvest at 96 percent complete by November 18. Activity was winding down 4 points ahead of normal but slightly behind last year. The crop was being harvested ahead of normal in all States except South Dakota. Producers had completed harvest in Kansas and were nearly finished elsewhere except in South Dakota.

Peanut harvest continued to trail the normal harvest pace during the month of November. By November 18, harvest—at 91 percent—was the same as last year but 3 points behind normal. Harvest was complete in the Carolinas and Virginia, and was nearly complete elsewhere, except in Alabama and Georgia. In those two states, progress was well behind normal. By November 25, producers in Georgia had advanced to a near-normal harvest pace, but growers in Alabama still lagged normal by 7 points.

Cotton harvest remained ahead of the normal pace nationally through the month of November. On November 11, seventy-four percent of acreage had been harvested, 4 and 7 points ahead of last year and normal, respectively. Harvest was complete in Missouri and nearly complete in the Delta. By November 18, the acreage in Tennessee and Virginia was also almost completely harvested. At this time, all States were ahead of the normal harvest pace except Georgia, where harvest was 7 points behind normal. By November 25, harvest was 86 percent complete nationwide, 3 points ahead of last year and 6 points ahead of normal. However, harvest was still slightly behind normal in Georgia and had fallen behind normal in Oklahoma.

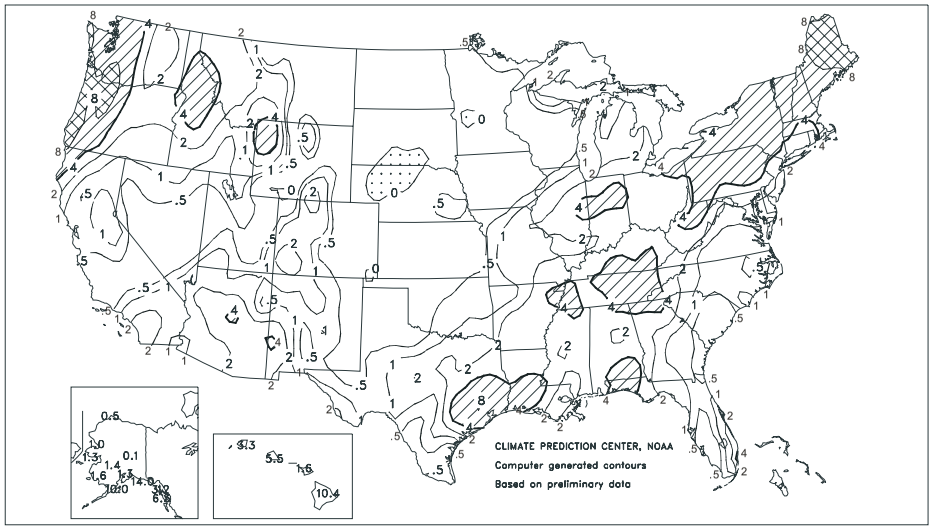
Extreme Minimum Temperature (°F)

November 2007



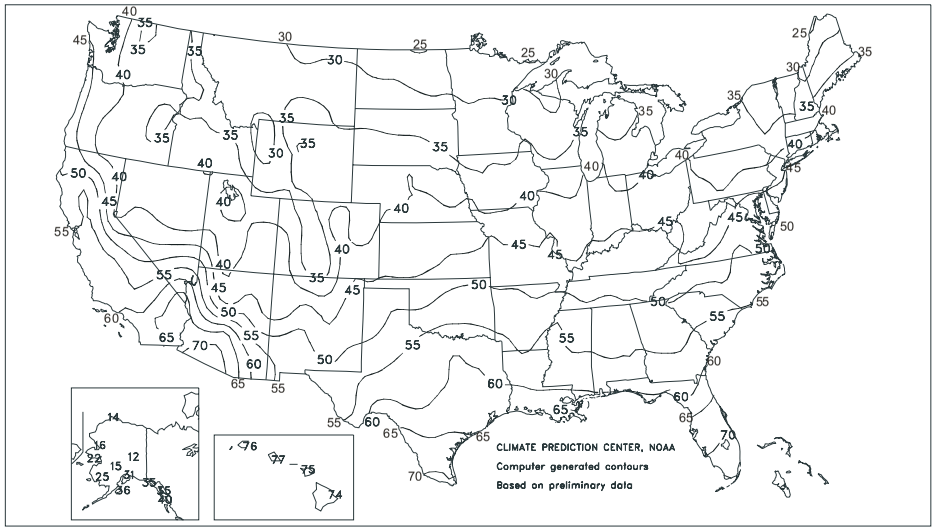
## Total Precipitation (Inches)

November 2007



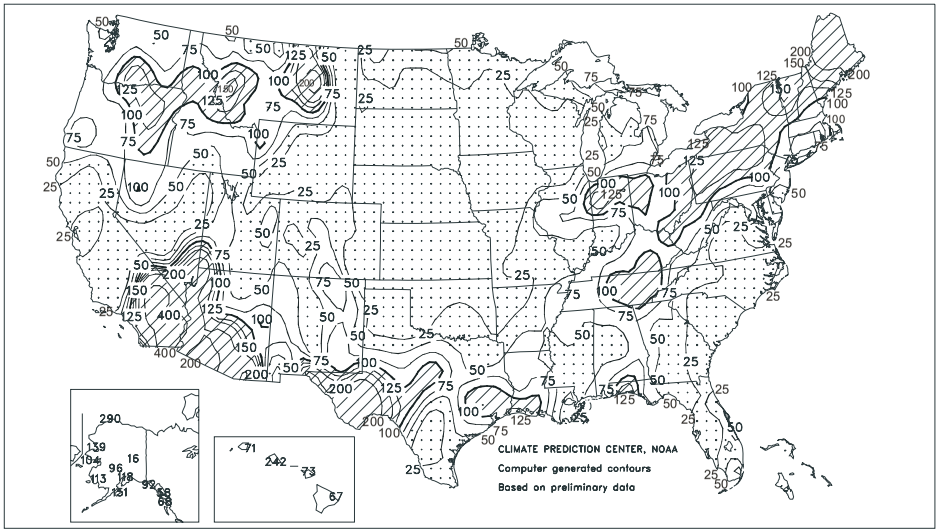

## Average Temperature (°F)

November 2007



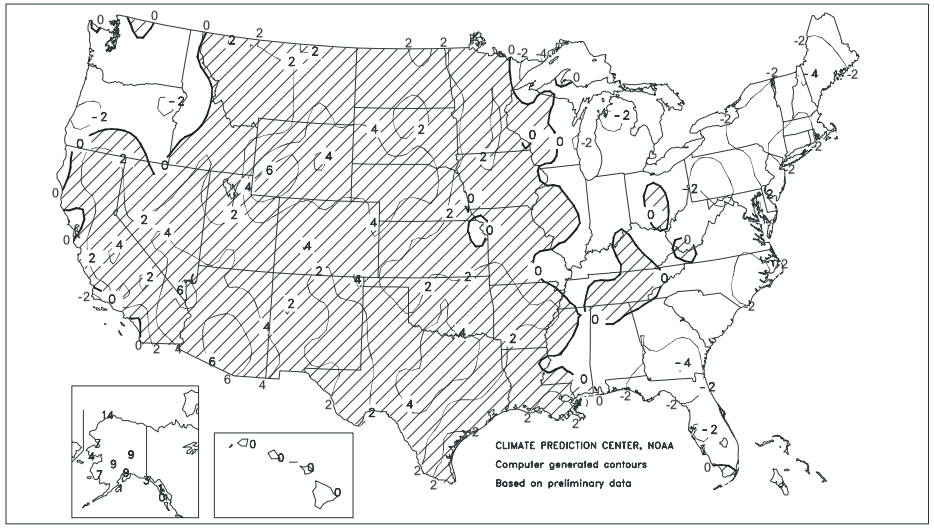

## Percent Of Normal Precipitation

November 2007




## Departure of Average Temperature from Normal (°F)

November 2007



# TEMPERATURE AND PRECIPITATION SUMMARY

## November 2007

| STATES AND STATIONS | TEMP, °F | | PRECIP. | |
|---|---|---|---|---|
| | AVERAGE | DEPARTURE | TOTAL | DEPARTURE |
| AL BIRMINGHAM | 54 | 1 | 1.69 | -2.94 |
| HUNTSVILLE | 52 | 1 | 2.78 | -2.44 |
| MOBILE | 59 | 0 | 3.55 | -1.86 |
| MONTGOMERY | 56 | 0 | 1.91 | -2.62 |
| AK ANCHORAGE | 31 | 9 | 1.29 | 0.20 |
| BARROW | 14 | 15 | 0.47 | 0.31 |
| COLD BAY | 35 | 0 | 10.72 | 5.93 |
| FAIRBANKS | 12 | 10 | 0.11 | -0.57 |
| JUNEAU | 35 | 2 | 3.15 | -2.28 |
| KING SALMON | 32 | 9 | 1.08 | -0.46 |
| KODIAK | 36 | 2 | 10.00 | 3.37 |
| NOME | 22 | 5 | 1.33 | 0.05 |
| AZ FLAGSTAFF | 42 | 5 | 1.38 | -0.48 |
| PHOENIX | 70 | 8 | 1.25 | 0.52 |
| TUCSON | 66 | 7 | 0.80 | 0.13 |
| AR FORT SMITH | 53 | 2 | 0.56 | -4.24 |
| LITTLE ROCK | 54 | 2 | 2.51 | -3.22 |
| CA BAKERSFIELD | 58 | 3 | 0.06 | -0.53 |
| EUREKA | 49 | -2 | 2.33 | -3.45 |
| FRESNO | 58 | 5 | 0.09 | -1.01 |
| LOS ANGELES | 62 | 0 | 0.50 | -0.63 |
| REDDING | 56 | 5 | 0.48 | -3.55 |
| SACRAMENTO | 55 | 2 | 0.85 | -1.34 |
| SAN DIEGO | 61 | -1 | 0.97 | -0.10 |
| SAN FRANCISCO | 56 | 1 | 0.58 | -1.91 |
| STOCKTON | 56 | 3 | 0.65 | -1.12 |
| CO ALAMOSA | 31 | 3 | 0.42 | -0.06 |
| CO SPRINGS | 42 | 6 | 0.10 | -0.42 |
| DENVER | 42 | 5 | 0.20 | -0.40 |
| GRAND JUNCTION | 42 | 4 | 0.05 | -0.66 |
| PUEBLO | 41 | 3 | 0.14 | -0.44 |
| CT BRIDGEPORT | 44 | -1 | 2.26 | -1.39 |
| HARTFORD | 41 | -1 | 3.03 | -1.03 |
| DC WASHINGTON | 50 | 1 | 1.46 | -1.57 |
| DE WILMINGTON | 45 | -1 | 1.69 | -1.50 |
| FL DAYTONA BEACH | 66 | -1 | 2.32 | -0.71 |
| FT LAUDERDALE | 75 | 1 | 3.00 | -1.57 |
| FT MYERS | 71 | -1 | 0.09 | -1.62 |
| JACKSONVILLE | 60 | -2 | 0.17 | -2.17 |
| KEY WEST | 78 | 2 | 0.70 | -1.94 |
| MELBOURNE | 69 | 0 | 0.93 | -2.19 |
| MIAMI | 75 | 1 | 0.66 | -2.77 |
| ORLANDO | 68 | -1 | 0.42 | -1.90 |
| PENSACOLA | 60 | -1 | 4.96 | 0.50 |
| ST PETERSBURG | 69 | -1 | 0.29 | -1.75 |
| TALLAHASSEE | 58 | -2 | 1.22 | -2.64 |
| TAMPA | 69 | 0 | 0.11 | -1.51 |
| WEST PALM BEACH | 73 | 0 | 1.48 | -4.07 |
| GA ATHENS | 52 | -1 | 2.35 | -1.36 |
| ATLANTA | 53 | 0 | 0.96 | -3.14 |
| AUGUSTA | 54 | 0 | 0.41 | -2.27 |
| COLUMBUS | 55 | -2 | 3.11 | -0.86 |
| MACON | 54 | -1 | 1.19 | -2.03 |
| SAVANNAH | 58 | -1 | 0.05 | -2.35 |
| HI HILO | 74 | 0 | 10.38 | -5.20 |
| HONOLULU | 77 | -1 | 5.46 | 3.20 |
| KAHULUI | 75 | -1 | 1.59 | -0.58 |
| LIHUE | 76 | 0 | 3.35 | -1.35 |
| ID BOISE | 41 | 1 | 1.06 | -0.32 |
| LEWISTON | 40 | 0 | 1.65 | 0.44 |
| POCATELLO | 36 | 1 | 0.66 | -0.47 |
| IL CHICAGO/O'HARE | 39 | 0 | 1.26 | -1.75 |
| MOLINE | 40 | 1 | 0.73 | -2.00 |
| PEORIA | 42 | 2 | 1.84 | -1.15 |
| ROCKFORD | 38 | 1 | 0.40 | -2.23 |
| SPRINGFIELD | 43 | 1 | 2.28 | -0.59 |
| IN EVANSVILLE | 46 | 0 | 1.77 | -2.41 |
| FORT WAYNE | 40 | -1 | 4.21 | 1.23 |
| INDIANAPOLIS | 43 | 0 | 1.85 | -1.76 |
| SOUTH BEND | 40 | 0 | 2.19 | -1.20 |
| IA BURLINGTON | 43 | 2 | 1.49 | -1.23 |
| CEDAR RAPIDS | 37 | 0 | 0.18 | -2.06 |
| DES MOINES | 39 | 1 | 0.28 | -1.82 |
| DUBUQUE | 36 | 0 | 0.27 | -2.22 |
| SIOUX CITY | 37 | 2 | 0.03 | -1.37 |
| WATERLOO | 36 | 1 | 0.16 | -1.94 |
| KS CONCORDIA | 43 | 2 | 0.06 | -1.39 |
| DODGE CITY | 44 | 2 | 0.07 | -0.94 |
| GOODLAND | 41 | 4 | 0.17 | -0.65 |
| HILL CITY | 41 | 1 | 0.10 | -0.64 |
| TOPEKA | 44 | 1 | 0.10 | -2.21 |
| WICHITA | 46 | 2 | 0.14 | -1.68 |
| KY JACKSON | 47 | -1 | 3.37 | -0.83 |
| LEXINGTON | 45 | -1 | 2.75 | -0.69 |
| LONDON-CORBIN | 47 | 0 | 4.36 | 0.46 |
| LOUISVILLE | 49 | 1 | 2.44 | -1.36 |
| PADUCAH | 47 | 0 | 2.11 | -2.42 |
| LA BATON ROUGE | 61 | 2 | 3.29 | -1.47 |
| LAKE CHARLES | 62 | 2 | 6.18 | 1.57 |
| NEW ORLEANS | 63 | 2 | 0.58 | -4.51 |
| SHREVEPORT | 59 | 3 | 3.06 | -1.62 |
| ME BANGOR | 35 | -2 | 6.72 | 3.03 |
| CARIBOU | 29 | -2 | 7.39 | 4.27 |
| PORTLAND | 38 | 0 | 4.21 | -0.51 |
| MD BALTIMORE | 46 | 0 | 1.52 | -1.60 |
| MA BOSTON | 43 | -2 | 2.80 | -1.18 |
| WORCESTER | 38 | -2 | 3.26 | -1.08 |
| MI ALPENA | 34 | -1 | 1.27 | -0.81 |
| DETROIT | 40 | -1 | 1.77 | -0.89 |
| FLINT | 37 | -1 | 1.42 | -1.23 |
| GRAND RAPIDS | 39 | 1 | 1.06 | -2.29 |
| HOUGHTON LAKE | 33 | -2 | 1.19 | -0.95 |
| LANSING | 38 | 0 | 1.36 | -1.30 |
| MUSKEGON | 38 | -1 | 0.50 | -2.73 |
| TRAVERSE CITY | 35 | -2 | 1.48 | -1.19 |
| MN DULUTH | 29 | 1 | 0.66 | -1.46 |
| INT'L FALLS | 26 | 2 | 0.56 | -0.80 |
| MINNEAPOLIS | 35 | 2 | 0.09 | -1.85 |
| ROCHESTER | 34 | 3 | 0.18 | -1.83 |
| ST. CLOUD | 31 | 2 | 0.01 | -1.53 |
| MS JACKSON | 57 | 2 | 1.74 | -3.30 |
| MERIDIAN | 55 | -1 | 1.94 | -3.01 |
| TUPELO | 53 | 2 | 2.18 | -2.83 |
| MO COLUMBIA | 45 | 2 | 1.46 | -2.01 |
| JOPLIN | 49 | 2 | 0.70 | -3.36 |
| KANSAS CITY | 44 | 1 | 0.20 | -2.10 |
| SPRINGFIELD | 47 | 1 | 1.22 | -3.24 |
| ST JOSEPH | 41 | -1 | 0.21 | -1.95 |
| ST LOUIS | 46 | 1 | 1.25 | -2.46 |
| MT BILLINGS | 37 | 3 | 0.43 | -0.32 |
| BUTTE | 29 | 2 | 0.30 | -0.30 |
| GLASGOW | 31 | 3 | 0.09 | -0.30 |
| GREAT FALLS | 34 | 2 | 0.76 | 0.17 |
| HELENA | 35 | 4 | 0.63 | 0.15 |
| KALISPELL | 34 | 3 | 0.59 | -0.86 |
| MILES CITY | 35 | 3 | 0.12 | -0.40 |
| MISSOULA | 32 | 0 | 1.03 | 0.07 |
| NE GRAND ISLAND | 41 | 5 | 0.00 | -1.41 |
| HASTINGS | 41 | 4 | 0.04 | -1.42 |
| LINCOLN | 40 | 2 | 0.05 | -1.53 |
| MCCOOK | 41 | 3 | 0.05 | -1.04 |
| NORFOLK | 39 | 4 | 0.03 | -1.41 |
| NORTH PLATTE | 38 | 3 | 0.02 | -0.74 |
| OMAHA/EPPLEY | 39 | 1 | 0.03 | -1.79 |
| SCOTTSBLUFF | 39 | 5 | 0.06 | -0.74 |
| VALENTINE | 38 | 5 | 0.02 | -0.70 |
| NV ELKO | 36 | 1 | 0.32 | -0.73 |
| ELY | 37 | 4 | 0.02 | -0.61 |
| LAS VEGAS | 61 | 6 | 0.64 | 0.33 |
| RENO | 45 | 4 | 0.25 | -0.55 |
| WINNEMUCCA | 37 | 0 | 0.58 | -0.22 |
| NH CONCORD | 36 | -2 | 3.40 | -0.17 |
| NJ ATLANTIC CITY | 46 | 0 | 1.40 | -1.86 |
| NEWARK | 45 | -1 | 2.35 | -1.53 |
| NM ALBUQUERQUE | 49 | 5 | 0.25 | -0.37 |
| NY ALBANY | 38 | -1 | 3.04 | -0.24 |
| BINGHAMTON | 38 | 0 | 4.35 | 1.03 |
| BUFFALO | 39 | -1 | 5.38 | 1.46 |
| ROCHESTER | 38 | -2 | 4.01 | 1.17 |
| SYRACUSE | 38 | -2 | 4.17 | 0.40 |
| NC ASHEVILLE | 45 | -1 | 1.49 | -2.33 |
| CHARLOTTE | 50 | -2 | 0.47 | -2.89 |
| GREENSBORO | 50 | 1 | 0.84 | -2.12 |
| HATTERAS | 57 | -1 | 1.89 | -3.04 |
| RALEIGH | 51 | 0 | 0.48 | -2.49 |
| WILMINGTON | 55 | -1 | 0.60 | -2.66 |
| ND BISMARCK | 31 | 3 | 0.13 | -0.57 |
| DICKINSON | 31 | 2 | 0.01 | -0.58 |
| FARGO | 31 | 4 | 0.09 | -0.97 |
| GRAND FORKS | 28 | 2 | 0.26 | -0.73 |
| JAMESTOWN | 30 | 3 | 0.08 | -0.63 |
| MINOT | 30 | 3 | 0.29 | -0.57 |
| WILLISTON | 29 | 3 | 0.19 | -0.46 |
| OH AKRON-CANTON | 40 | -1 | 3.41 | 0.37 |
| CINCINNATI | 44 | -1 | 2.73 | -0.73 |
| CLEVELAND | 41 | -1 | 4.07 | 0.69 |
| COLUMBUS | 45 | 1 | 2.18 | -1.01 |
| DAYTON | 42 | 0 | 3.00 | -0.30 |
| MANSFIELD | 40 | 0 | 3.01 | -0.75 |
| TOLEDO | 40 | 0 | 2.81 | 0.03 |
| YOUNGSTOWN | 40 | -1 | 3.69 | 0.62 |
| OK OKLAHOMA CITY | 53 | 4 | 0.53 | -1.58 |
| TULSA | 52 | 2 | 0.54 | -2.93 |
| OR ASTORIA | 45 | -2 | 5.07 | -5.43 |
| BURNS | 35 | 2 | 1.18 | 0.07 |
| EUGENE | 43 | -2 | 4.46 | -3.98 |
| MEDFORD | 45 | 1 | 2.81 | -0.12 |
| PENDLETON | 39 | -2 | 2.05 | 0.42 |
| PORTLAND | 45 | -1 | 4.25 | -1.36 |
| SALEM | 44 | -1 | 3.75 | -2.64 |
| PA ALLENTOWN | 41 | -1 | 4.44 | 0.74 |
| ERIE | 42 | -1 | 5.33 | 1.37 |
| MIDDLETOWN | 43 | -1 | 2.58 | -0.94 |
| PHILADELPHIA | 46 | -1 | 1.45 | -1.71 |
| PITTSBURGH | 42 | 0 | 3.96 | 0.94 |
| WILKES-BARRE | 39 | -3 | 4.13 | 1.01 |
| WILLIAMSPORT | 40 | -1 | 4.02 | 0.40 |
| PR SAN JUAN | 80 | 0 | 6.00 | -0.17 |
| RI PROVIDENCE | 43 | -1 | 2.89 | -1.51 |
| SC CHARLESTON | 57 | -1 | 0.03 | -2.63 |
| COLUMBIA | 53 | -2 | 0.46 | -2.42 |
| FLORENCE | 54 | -1 | 0.22 | -2.37 |
| GREENVILLE | 52 | 1 | 0.89 | -2.90 |
| MYRTLE BEACH | 56 | -1 | 0.36 | -2.61 |
| SD ABERDEEN | 31 | 2 | 0.02 | -0.73 |
| HURON | 34 | 3 | 0.02 | -0.87 |
| RAPID CITY | 38 | 5 | 0.03 | -0.58 |
| SIOUX FALLS | 35 | 4 | 0.04 | -1.32 |
| TN BRISTOL | 46 | 0 | 1.41 | -1.67 |
| CHATTANOOGA | 51 | 1 | 6.56 | 1.68 |
| JACKSON | 49 | -1 | 3.24 | -1.83 |
| KNOXVILLE | 49 | 0 | 3.98 | 0.00 |
| MEMPHIS | 55 | 3 | 3.52 | -2.24 |
| NASHVILLE | 50 | 1 | 6.20 | 1.75 |
| TX ABILENE | 57 | 3 | 1.04 | -0.26 |
| AMARILLO | 48 | 3 | 0.08 | -0.60 |
| AUSTIN | 60 | 0 | 1.26 | -1.42 |
| BEAUMONT | 63 | 2 | 6.29 | 1.54 |
| BROWNSVILLE | 70 | 2 | 0.77 | -0.98 |
| COLLEGE STATION | 62 | 2 | 3.89 | 0.71 |
| CORPUS CHRISTI | 66 | 1 | 0.59 | -1.15 |
| DALLAS/FT WORTH | 61 | 6 | 1.22 | -1.35 |
| DEL RIO | 62 | 2 | 1.18 | 0.22 |
| EL PASO | 55 | 2 | 1.07 | 0.65 |
| GALVESTON | 67 | 2 | 1.98 | -1.66 |
| HOUSTON | 64 | 3 | 5.49 | 1.30 |
| LUBBOCK | 51 | 3 | 0.20 | -0.51 |
| MIDLAND | 54 | 2 | 0.72 | 0.07 |
| SAN ANGELO | 58 | 4 | 0.89 | -0.21 |
| SAN ANTONIO | 63 | 3 | 0.40 | -2.18 |
| VICTORIA | 64 | 1 | 1.35 | -1.29 |
| WACO | 60 | 3 | 1.78 | -0.83 |
| WICHITA FALLS | 57 | 5 | 0.62 | -1.06 |
| UT SALT LAKE CITY | 42 | 2 | 0.49 | -0.91 |
| VT BURLINGTON | 35 | -2 | 4.72 | 1.66 |
| VA LYNCHBURG | 46 | -1 | 0.46 | -2.72 |
| NORFOLK | 52 | 0 | 0.31 | -2.67 |
| RICHMOND | 49 | 0 | 0.80 | -2.26 |
| ROANOKE | 48 | 1 | 0.18 | -3.03 |
| WASH/DULLES | 46 | 1 | 1.49 | -1.82 |
| WA OLYMPIA | 42 | 0 | 4.04 | -4.09 |
| QUILLAYUTE | 43 | -1 | 9.89 | -4.93 |
| SEATTLE-TACOMA | 44 | -1 | 3.71 | -2.19 |
| SPOKANE | 35 | 0 | 1.53 | -0.71 |
| YAKIMA | 37 | 0 | 1.50 | 0.45 |
| WV BECKLEY | 42 | -1 | 1.99 | -0.89 |
| CHARLESTON | 46 | 0 | 3.13 | -0.53 |
| ELKINS | 41 | 0 | 2.28 | -1.14 |
| HUNTINGTON | 46 | 0 | 3.41 | 0.09 |
| WI EAU CLAIRE | 33 | 1 | 0.08 | -1.84 |
| GREEN BAY | 35 | 1 | 0.11 | -2.16 |
| LA CROSSE | 36 | 1 | 0.21 | -1.89 |
| MADISON | 35 | 0 | 0.39 | -1.92 |
| MILWAUKEE | 38 | 0 | 0.36 | -2.34 |
| WAUSAU | 32 | 0 | 0.06 | -2.14 |
| WY CASPER | 36 | 4 | 0.05 | -0.77 |
| CHEYENNE | 38 | 5 | 0.32 | -0.32 |
| LANDER | 36 | 6 | 0.17 | -0.82 |
| SHERIDAN | 35 | 4 | 0.33 | -0.47 |

**Based on 1971-2000 normals**

***** Not Available**

# Autumn Weather Review

*Review provided by USDA/WAOB*

**Highlights:** For the most part, harvest activities proceeded at a rapid pace, although autumn rainfall slowed fieldwork across the eastern Plains and western Corn Belt. In contrast, warm, dry weather hampered the emergence and establishment of winter wheat on the central and southern High Plains. Wheat fared better in most other major production areas, including the Ohio Valley and the Northwest, although unfavorable dryness also prevailed in the southern Atlantic States. Meanwhile, significant late-October rain and subsequent showers provided drought relief across the interior Southeast, including western portions of Kentucky and Tennessee. Elsewhere, the Western winter wet season got off to a slow start, except in a band across Oregon and the southern Rockies. At the end of November, however, flooding rains and high winds arrived in the Pacific Northwest, while drought-easing precipitation overspread southern California and the Four Corners States. Preliminary data from the National Climatic Data Center indicated that state rankings ranged from the 11th-driest autumn in South Carolina to the 13th-wettest September-November period in Vermont. For the nation as a whole, it was the 31st-driest autumn during the 113-year period of record.

Despite periodic cold outbreaks, including a mid-September freeze in the upper Midwest, autumn temperatures averaged well above normal across much of the nation. In the Southeast, periodic, late-autumn freezes hampered the growth of drought-stressed pastures, which had begun to recover following the arrival of showery weather in mid- to late October. Overall, near-normal autumn readings were observed across the Deep South, while cooler-than-normal weather was confined to the Far West. NCDC reported that the nation experienced its sixth-warmest autumn since 1895.

**September:** Locally heavy rain and high-elevation snow showers arrived in the West, especially during the second half of September, boosting topsoil moisture but having little effect on long-term drought. Prior to the arrival of cool, showery weather, Northwestern winter wheat planting and other Western fieldwork advanced with few interruptions. Meanwhile on the Plains, winter wheat planting and summer crop harvesting generally proceeded smoothly. In Montana late-month rainfall provided beneficial moisture for newly planted winter grains. Farther east, warm, mostly dry weather across the majority of the Corn Belt contrasted with frequent showers in the upper Midwest. Corn harvesting advanced at a faster-than-normal pace in nearly all Midwestern production areas, while rapid maturation of the soybean crop allowed harvesting to accelerate toward month's end. Mostly dry weather also prevailed in the East, except for rainy conditions in parts of the southern Atlantic region. In fact, little rain fell during the second half of September east of a line from central Texas to Lake Michigan. In the drought-stricken Southeast, dry weather favored harvest activities but increased concerns about a lack of moisture for pastures and fall-sown crops.

A mid-month cold snap brought an unusually early freeze to parts of the upper Midwest and interrupted an otherwise warm pattern from the Plains to the East Coast. However, most Midwestern summer crops were mature enough to withstand the freeze, which affected areas as far south as Iowa on September 15. Monthly temperatures generally averaged 2 to 6ºF above normal across the eastern one-third of the U.S., except for near-normal readings in the southern Atlantic region. Meanwhile, warm weather prevailed in the West during the first half of the month, followed by markedly cooler conditions thereafter. Monthly temperatures averaged at least 4ºF below normal at several locations in southern California.

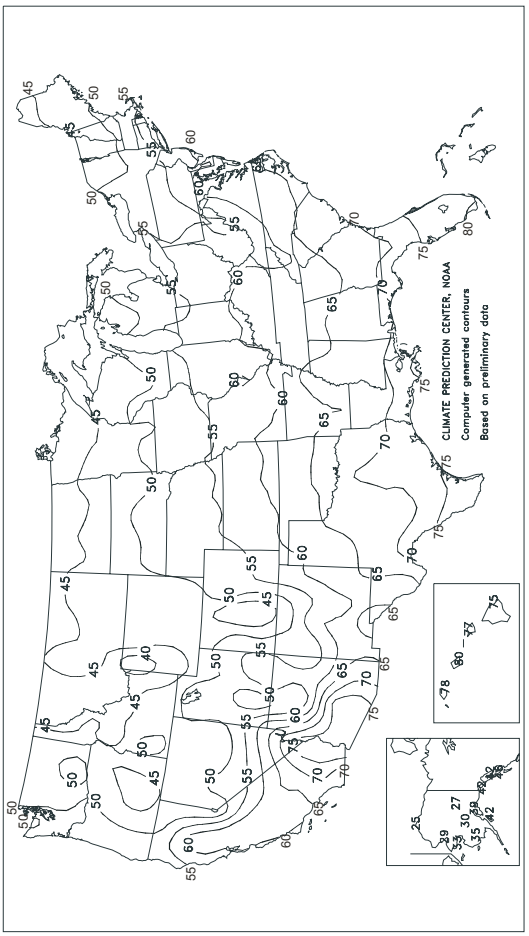
**October:** Heavy rain swept across the Southeastern and Mid-Atlantic States during the second half of October, threatening the quality of open-boll cotton but providing much-needed moisture for drought-stricken pastures and fall-sown crops. Beneficial rain also fell in parts of the Northeast. Farther west, a notable drying trend took place during October across the south-central and southwestern U.S. Such a turn toward autumn dryness is typical in these regions during the evolution of La Niña, which involves a cooling of the central and eastern equatorial Pacific Ocean. Across the southern half of the High Plains, increasingly dry conditions favored summer crop harvesting but hampered winter wheat emergence and establishment. Farther north, exceptionally wet weather sharply curtailed fieldwork across the eastern Plains and western Corn Belt. Numerous October rainfall records were broken, particularly in South Dakota and Nebraska, despite a late-month drying trend. By month's end, however, corn and soybean harvesting resumed in all but the wettest locations. In contrast, corn and soybean harvesting neared completion across the central and eastern Corn Belt. When heavy rain arrived across the Ohio Valley toward month's end, autumn fieldwork was nearly done and emerging winter grains benefited greatly from the boost in soil moisture. Elsewhere, dry weather in the Southwest contrasted with significant rain and high-elevation snow in parts of the Northwest. Beginning the weekend of October 20-21, several days of hot, windy weather fanned more than a dozen major wildfires across southern California. However, Southwestern dryness also favored cotton harvesting and other fieldwork, while Northwestern showers promoted winter wheat emergence.

Cooler-than-normal weather in most areas west of the Rockies contrasted with significantly above-normal temperatures from the Plains to the East Coast. In fact, monthly temperatures averaged at least 8ºF above normal in many locations from the Great Lakes region into the Northeastern and Mid-Atlantic States, resulting in numerous records for record-high October average temperatures. Meanwhile, monthly readings averaged as much as 4ºF below normal in the Northwest.

**November:** *A complete summary appears on pages 9-13.*

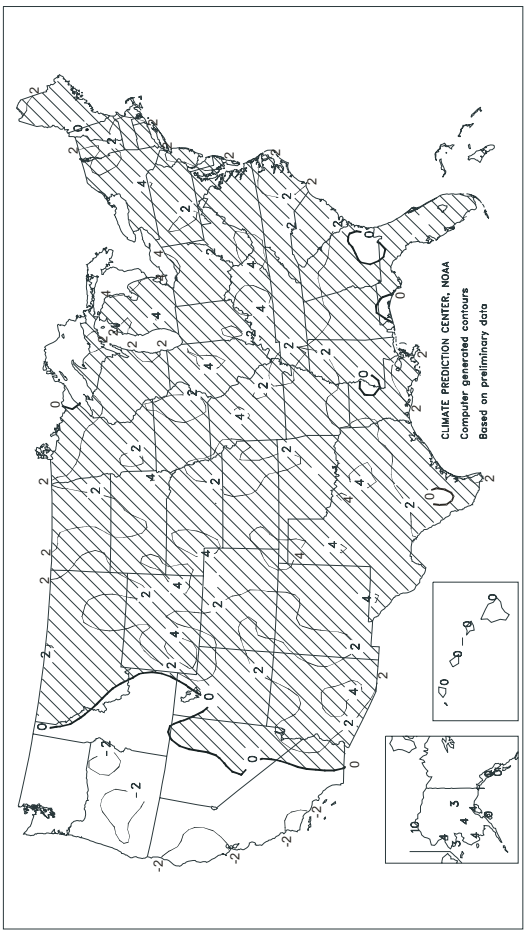
Average Temperature (°F)

SEP - NOV 2007



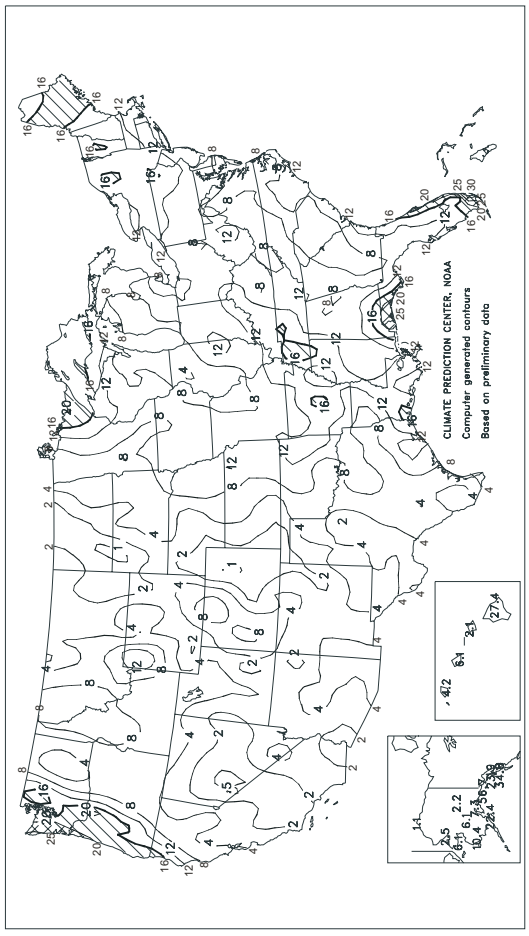

Departure of Average Temperature from Normal (°F)

SEP - NOV 2007



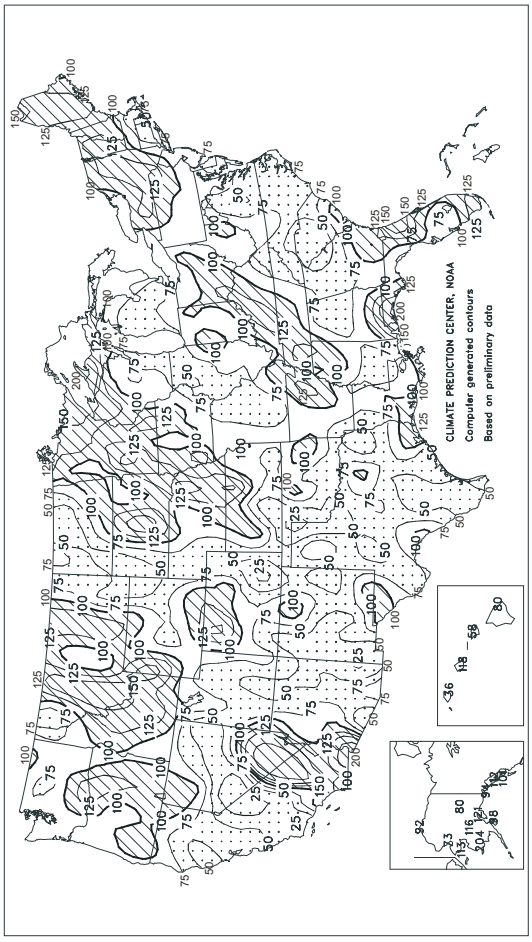

Total Precipitation (Inches)

SEP - NOV 2007




Percent Of Normal Precipitation

SEP - NOV 2007



# TEMPERATURE AND PRECIPITATION SUMMARY

## Autumn 2007

| STATES AND STATIONS | TEMP, ˚F | | PRECIP. | | STATES AND STATIONS | TEMP, ˚F | | PRECIP. | | STATES AND STATIONS | TEMP, ˚F | | PRECIP. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGE | DEPARTURE | TOTAL | DEPARTURE | | AVERAGE | DEPARTURE | TOTAL | DEPARTURE | | AVERAGE | DEPARTURE | TOTAL | DEPARTURE |
| AL BIRMINGHAM | 66 | 3 | 6.70 | -5.21 | LEXINGTON | 60 | 3 | 10.17 | 0.92 | COLUMBUS | 59 | 4 | 8.29 | -0.13 |
| HUNTSVILLE | 65 | 3 | 7.31 | -5.74 | LONDON-CORBIN | 60 | 3 | 8.20 | -1.87 | DAYTON | 57 | 3 | 11.12 | 2.45 |
| MOBILE | 69 | 1 | 15.02 | 0.35 | LOUISVILLE | 64 | 5 | 13.25 | 3.61 | MANSFIELD | 55 | 4 | 9.84 | -0.04 |
| MONTGOMERY | 67 | 1 | 9.78 | -1.55 | PADUCAH | 61 | 3 | 9.92 | -1.62 | TOLEDO | 55 | 3 | 6.07 | -1.90 |
| AK ANCHORAGE | 39 | 4 | 7.28 | 1.24 | LA BATON ROUGE | 71 | 3 | 9.85 | -3.56 | YOUNGSTOWN | 54 | 3 | 8.17 | -1.25 |
| BARROW | 25 | 10 | 1.15 | -0.09 | LAKE CHARLES | 72 | 3 | 15.35 | 0.85 | OK OKLAHOMA CITY | 65 | 4 | 11.40 | 1.67 |
| COLD BAY | 42 | 1 | 21.93 | 8.09 | NEW ORLEANS | 72 | 2 | 12.14 | -1.55 | TULSA | 64 | 2 | 14.41 | 2.13 |
| FAIRBANKS | 27 | 4 | 2.18 | -0.54 | SHREVEPORT | 69 | 2 | 6.74 | -5.60 | OR ASTORIA | 51 | -2 | 14.20 | -4.52 |
| JUNEAU | 42 | 0 | 23.91 | 2.64 | ME BANGOR | 49 | 1 | 12.75 | 2.19 | BURNS | 44 | 0 | 2.34 | 0.01 |
| KING SALMON | 39 | 4 | 9.95 | 3.51 | CARIBOU | 44 | 2 | 13.12 | 3.74 | EUGENE | 51 | -2 | 10.93 | -2.40 |
| KODIAK | 42 | 1 | 22.42 | -0.41 | PORTLAND | 51 | 3 | 13.80 | 1.31 | MEDFORD | 55 | 0 | 5.46 | 0.44 |
| NOME | 33 | 4 | 6.08 | 0.71 | MD BALTIMORE | 60 | 4 | 7.72 | -2.54 | PENDLETON | 50 | -2 | 3.61 | 0.36 |
| AZ FLAGSTAFF | 49 | 2 | 4.67 | -1.24 | MA BOSTON | 56 | 1 | 6.69 | -4.55 | PORTLAND | 54 | -1 | 9.55 | -0.59 |
| PHOENIX | 79 | 5 | 1.36 | -0.91 | WORCESTER | 53 | 3 | 8.36 | -4.92 | SALEM | 52 | -1 | 10.75 | -0.10 |
| TUCSON | 74 | 4 | 1.27 | -2.06 | MI ALPENA | 49 | 3 | 6.41 | -0.80 | PA ALLENTOWN | 56 | 4 | 11.20 | -0.20 |
| AR FORT SMITH | 65 | 3 | 14.85 | 2.50 | DETROIT | 55 | 3 | 5.21 | -2.95 | ERIE | 56 | 3 | 10.05 | -2.56 |
| LITTLE ROCK | 65 | 2 | 13.33 | -0.36 | FLINT | 53 | 4 | 6.08 | -2.67 | MIDDLETOWN | 58 | 3 | 10.39 | 0.43 |
| CA BAKERSFIELD | 65 | -1 | 0.47 | -0.57 | GRAND RAPIDS | 54 | 4 | 5.40 | -5.03 | PHILADELPHIA | 61 | 3 | 6.69 | -3.10 |
| EUREKA | 51 | -3 | 7.85 | -1.15 | HOUGHTON LAKE | 48 | 2 | 4.15 | -3.36 | PITTSBURGH | 56 | 3 | 7.96 | -0.52 |
| FRESNO | 65 | 1 | 0.31 | -1.70 | LANSING | 53 | 4 | 6.57 | -1.86 | WILKES-BARRE | 55 | 3 | 13.33 | 3.33 |
| LOS ANGELES | 65 | -1 | 1.68 | -0.07 | MUSKEGON | 53 | 3 | 5.17 | -4.38 | WILLIAMSPORT | 55 | 3 | 8.50 | -2.29 |
| REDDING | 63 | 0 | 3.61 | -3.08 | TRAVERSE CITY | 52 | 3 | 5.25 | -3.94 | PR SAN JUAN | 82 | 1 | 17.67 | 0.84 |
| SACRAMENTO | 62 | -1 | 1.96 | -1.48 | MN DULUTH | 45 | 3 | 11.84 | 3.13 | RI PROVIDENCE | 56 | 2 | 7.25 | -4.54 |
| SAN DIEGO | 66 | -1 | 1.39 | -0.33 | INT'L FALLS | 41 | 1 | 8.75 | 2.38 | SC CHARLESTON | 69 | 2 | 12.98 | 1.25 |
| SAN FRANCISCO | 60 | 0 | 2.70 | -1.03 | MINNEAPOLIS | 51 | 4 | 9.76 | 3.02 | COLUMBIA | 66 | 2 | 2.78 | -6.93 |
| STOCKTON | 64 | 0 | 1.58 | -1.34 | ROCHESTER | 51 | 5 | 10.98 | 3.65 | FLORENCE | 67 | 2 | 5.44 | -3.76 |
| CO ALAMOSA | 44 | 2 | 1.55 | -0.49 | ST. CLOUD | 48 | 4 | 8.25 | 1.54 | GREENVILLE | 65 | 4 | 3.78 | -7.85 |
| CO SPRINGS | 53 | 5 | 0.69 | -1.92 | MS JACKSON | 68 | 3 | 7.81 | -3.88 | MYRTLE BEACH | 68 | 3 | 6.54 | -5.24 |
| DENVER | 53 | 4 | 3.77 | 1.26 | MERIDIAN | 66 | 0 | 7.28 | -4.59 | SD ABERDEEN | 47 | 2 | 3.12 | -1.07 |
| GRAND JUNCTION | 54 | 2 | 2.50 | -0.12 | TUPELO | 66 | 4 | 13.38 | 1.64 | HURON | 49 | 2 | 4.15 | -0.13 |
| PUEBLO | 54 | 2 | 0.57 | -1.49 | MO COLUMBIA | 60 | 5 | 8.12 | -1.95 | RAPID CITY | 51 | 4 | 1.47 | -1.61 |
| CT BRIDGEPORT | 57 | 2 | 7.15 | -3.62 | JOPLIN | 61 | 2 | 11.50 | -1.72 | SIOUX FALLS | 51 | 4 | 8.29 | 2.42 |
| HARTFORD | 56 | 4 | 7.59 | -4.54 | KANSAS CITY | 58 | 2 | 9.13 | -1.14 | TN BRISTOL | 60 | 4 | 3.73 | -4.73 |
| DC WASHINGTON | 63 | 4 | 8.61 | -1.43 | SPRINGFIELD | 60 | 2 | 8.03 | -4.73 | CHATTANOOGA | 65 | 4 | 12.12 | -0.33 |
| DE WILMINGTON | 60 | 4 | 8.10 | -2.18 | ST JOSEPH | 56 | 0 | 7.69 | -1.66 | JACKSON | 63 | 2 | 16.59 | 4.44 |
| FL DAYTONA BEACH | 75 | 1 | 17.17 | 3.05 | ST LOUIS | 61 | 3 | 4.93 | -4.50 | KNOXVILLE | 63 | 3 | 6.70 | -2.97 |
| FT LAUDERDALE | 80 | 2 | 20.87 | 1.60 | MT BILLINGS | 49 | 2 | 4.64 | 1.29 | MEMPHIS | 67 | 3 | 8.87 | -3.51 |
| FT MYERS | 78 | 1 | 10.94 | -1.22 | BUTTE | 40 | 0 | 3.97 | 1.49 | NASHVILLE | 64 | 4 | 12.98 | 2.07 |
| JACKSONVILLE | 71 | 1 | 14.46 | 0.36 | GLASGOW | 46 | 3 | 2.61 | 0.53 | TX ABILENE | 68 | 3 | 4.18 | -2.93 |
| KEY WEST | 82 | 2 | 21.26 | 8.83 | GREAT FALLS | 46 | 2 | 3.15 | 0.40 | AMARILLO | 61 | 3 | 4.58 | 0.52 |
| MELBOURNE | 77 | 2 | 14.02 | -1.06 | HELENA | 47 | 3 | 3.28 | 1.09 | AUSTIN | 69 | -1 | 3.79 | -5.77 |
| MIAMI | 80 | 1 | 18.51 | 0.51 | KALISPELL | 44 | 2 | 2.50 | -1.11 | BEAUMONT | 71 | 1 | 16.38 | 0.86 |
| ORLANDO | 76 | 1 | 14.79 | 3.98 | MILES CITY | 49 | 2 | 0.78 | -2.06 | BROWNSVILLE | 76 | 1 | 7.11 | -3.73 |
| PENSACOLA | 71 | 1 | 26.82 | 12.48 | MISSOULA | 45 | 1 | 3.17 | 0.30 | COLLEGE STATION | 72 | 2 | 8.29 | -3.02 |
| ST PETERSBURG | 78 | 2 | 6.23 | -6.04 | NE GRAND ISLAND | 55 | 4 | 5.83 | 0.48 | CORPUS CHRISTI | 74 | 1 | 4.76 | -5.95 |
| TALLAHASSEE | 71 | 2 | 10.09 | -2.03 | HASTINGS | 55 | 3 | 6.48 | 0.61 | DALLAS/FT WORTH | 72 | 5 | 9.74 | 0.64 |
| TAMPA | 77 | 1 | 7.09 | -3.36 | LINCOLN | 55 | 2 | 7.65 | 1.21 | DEL RIO | 72 | 2 | 5.43 | 0.41 |
| WEST PALM BEACH | 78 | 0 | 21.78 | 2.67 | MCCOOK | 55 | 3 | 3.03 | -0.71 | EL PASO | 67 | 3 | 2.87 | 0.03 |
| GA ATHENS | 65 | 3 | 5.23 | -5.48 | NORFOLK | 52 | 2 | 10.55 | 5.14 | GALVESTON | 75 | 1 | 13.37 | 0.48 |
| ATLANTA | 65 | 2 | 6.35 | -4.95 | NORTH PLATTE | 52 | 3 | 3.13 | -0.19 | HOUSTON | 73 | 3 | 15.39 | 2.37 |
| AUGUSTA | 67 | 3 | 3.02 | -6.45 | OMAHA/EPPLEY | 54 | 2 | 8.57 | 1.37 | LUBBOCK | 63 | 3 | 2.68 | -2.30 |
| COLUMBUS | 67 | 1 | 6.50 | -2.87 | SCOTTSBLUFF | 51 | 4 | 1.18 | -1.85 | MIDLAND | 66 | 2 | 2.13 | -2.60 |
| MACON | 65 | 1 | 5.58 | -3.27 | VALENTINE | 51 | 3 | 3.71 | 0.16 | SAN ANGELO | 68 | 3 | 4.27 | -2.35 |
| SAVANNAH | 69 | 2 | 11.76 | 1.16 | NV ELKO | 47 | 0 | 1.54 | -0.90 | SAN ANTONIO | 72 | 2 | 2.24 | -7.20 |
| HI HILO | 75 | 0 | 27.36 | -7.00 | ELY | 46 | 1 | 1.24 | -1.33 | VICTORIA | 72 | 0 | 9.40 | -2.50 |
| HONOLULU | 80 | 0 | 6.11 | 0.93 | LAS VEGAS | 71 | 3 | 1.31 | 0.45 | WACO | 70 | 2 | 6.33 | -2.83 |
| KAHULUI | 77 | -1 | 2.10 | -1.51 | RENO | 54 | 2 | 0.88 | -0.79 | WICHITA FALLS | 69 | 5 | 5.48 | -2.50 |
| LIHUE | 78 | 0 | 4.18 | -7.46 | WINNEMUCCA | 48 | -1 | 1.62 | -0.37 | UT SALT LAKE CITY | 53 | 1 | 4.11 | -0.19 |
| ID BOISE | 53 | 1 | 2.74 | -0.16 | NH CONCORD | 50 | 2 | 10.34 | 0.15 | VT BURLINGTON | 51 | 3 | 12.39 | 2.38 |
| LEWISTON | 52 | 0 | 2.83 | -0.14 | NJ ATLANTIC CITY | 60 | 4 | 7.53 | -1.73 | VA LYNCHBURG | 59 | 2 | 6.64 | -3.81 |
| POCATELLO | 47 | 0 | 3.36 | 0.37 | NEWARK | 59 | 2 | 7.86 | -3.20 | NORFOLK | 65 | 3 | 6.08 | -4.43 |
| IL CHICAGO/O'HARE | 55 | 3 | 4.18 | -4.81 | NM ALBUQUERQUE | 60 | 3 | 1.15 | -1.54 | RICHMOND | 63 | 4 | 5.45 | -5.19 |
| MOLINE | 56 | 4 | 4.06 | -4.63 | NY ALBANY | 53 | 3 | 11.31 | 1.51 | ROANOKE | 61 | 4 | 6.62 | -3.59 |
| PEORIA | 57 | 4 | 5.31 | -3.56 | BINGHAMTON | 53 | 5 | 11.95 | 2.02 | WASH/DULLES | 60 | 4 | 6.41 | -4.09 |
| ROCKFORD | 55 | 5 | 3.88 | -4.79 | BUFFALO | 55 | 4 | 11.66 | 0.71 | WA OLYMPIA | 50 | 0 | 11.16 | -3.19 |
| SPRINGFIELD | 58 | 3 | 6.79 | -1.53 | ROCHESTER | 54 | 4 | 9.56 | 0.67 | QUILLAYUTE | 49 | -1 | 26.30 | -2.48 |
| IN EVANSVILLE | 61 | 4 | 8.63 | -1.32 | SYRACUSE | 53 | 3 | 11.39 | 0.27 | SEATTLE-TACOMA | 52 | -1 | 10.19 | -0.53 |
| FORT WAYNE | 55 | 3 | 8.59 | 0.17 | NC ASHEVILLE | 58 | 2 | 7.91 | -2.80 | SPOKANE | 47 | 0 | 3.08 | -0.98 |
| INDIANAPOLIS | 59 | 4 | 6.24 | -3.01 | CHARLOTTE | 64 | 2 | 4.08 | -6.77 | YAKIMA | 48 | -1 | 2.25 | 0.28 |
| SOUTH BEND | 55 | 3 | 7.69 | -2.76 | GREENSBORO | 63 | 4 | 8.33 | -2.19 | WV BECKLEY | 56 | 3 | 7.18 | -1.57 |
| IA BURLINGTON | 58 | 4 | 4.90 | -4.33 | HATTERAS | 69 | 3 | 13.55 | -2.37 | CHARLESTON | 60 | 4 | 8.11 | -1.67 |
| CEDAR RAPIDS | 52 | 1 | 7.35 | -0.37 | RALEIGH | 64 | 3 | 7.36 | -3.05 | ELKINS | 54 | 3 | 10.41 | 0.31 |
| DES MOINES | 54 | 2 | 9.30 | 1.43 | WILMINGTON | 67 | 2 | 7.37 | -5.89 | HUNTINGTON | 60 | 4 | 7.48 | -1.37 |
| DUBUQUE | 52 | 3 | 7.95 | -0.60 | ND BISMARCK | 46 | 2 | 2.74 | -0.85 | WI EAU CLAIRE | 49 | 3 | 9.34 | 1.44 |
| SIOUX CITY | 52 | 2 | 7.58 | 1.77 | DICKINSON | 46 | 2 | 1.67 | -1.88 | GREEN BAY | 51 | 4 | 6.89 | -0.66 |
| WATERLOO | 52 | 3 | 8.10 | 0.56 | FARGO | 47 | 4 | 5.24 | 0.03 | LA CROSSE | 53 | 3 | 6.35 | -1.31 |
| KS CONCORDIA | 57 | 2 | 8.97 | 3.18 | GRAND FORKS | 44 | 2 | 4.15 | -0.50 | MADISON | 52 | 4 | 6.19 | -1.38 |
| DODGE CITY | 58 | 2 | 1.78 | -2.38 | JAMESTOWN | 45 | 2 | 4.52 | 0.67 | MILWAUKEE | 54 | 3 | 5.25 | -3.24 |
| GOODLAND | 54 | 3 | 1.91 | -1.08 | MINOT | 45 | 2 | 1.19 | -2.73 | WAUSAU | 48 | 2 | 7.39 | -1.52 |
| HILL CITY | 56 | 2 | 4.57 | 0.32 | WILLISTON | 44 | 2 | 1.88 | -0.99 | WY CASPER | 47 | 2 | 1.84 | -1.10 |
| TOPEKA | 59 | 3 | 8.06 | -0.95 | OH AKRON-CANTON | 55 | 3 | 9.44 | 0.44 | CHEYENNE | 49 | 4 | 2.83 | 0.01 |
| WICHITA | 60 | 2 | 5.07 | -2.16 | CINCINNATI | 59 | 3 | 12.27 | 3.03 | LANDER | 48 | 3 | 1.77 | -1.73 |
| KY JACKSON | 61 | 3 | 9.66 | -1.49 | CLEVELAND | 56 | 4 | 8.84 | -1.04 | SHERIDAN | 48 | 4 | 3.76 | 0.17 |

**Based on 1971-2000 normals**

***** Not Available**

# National Agricultural Summary

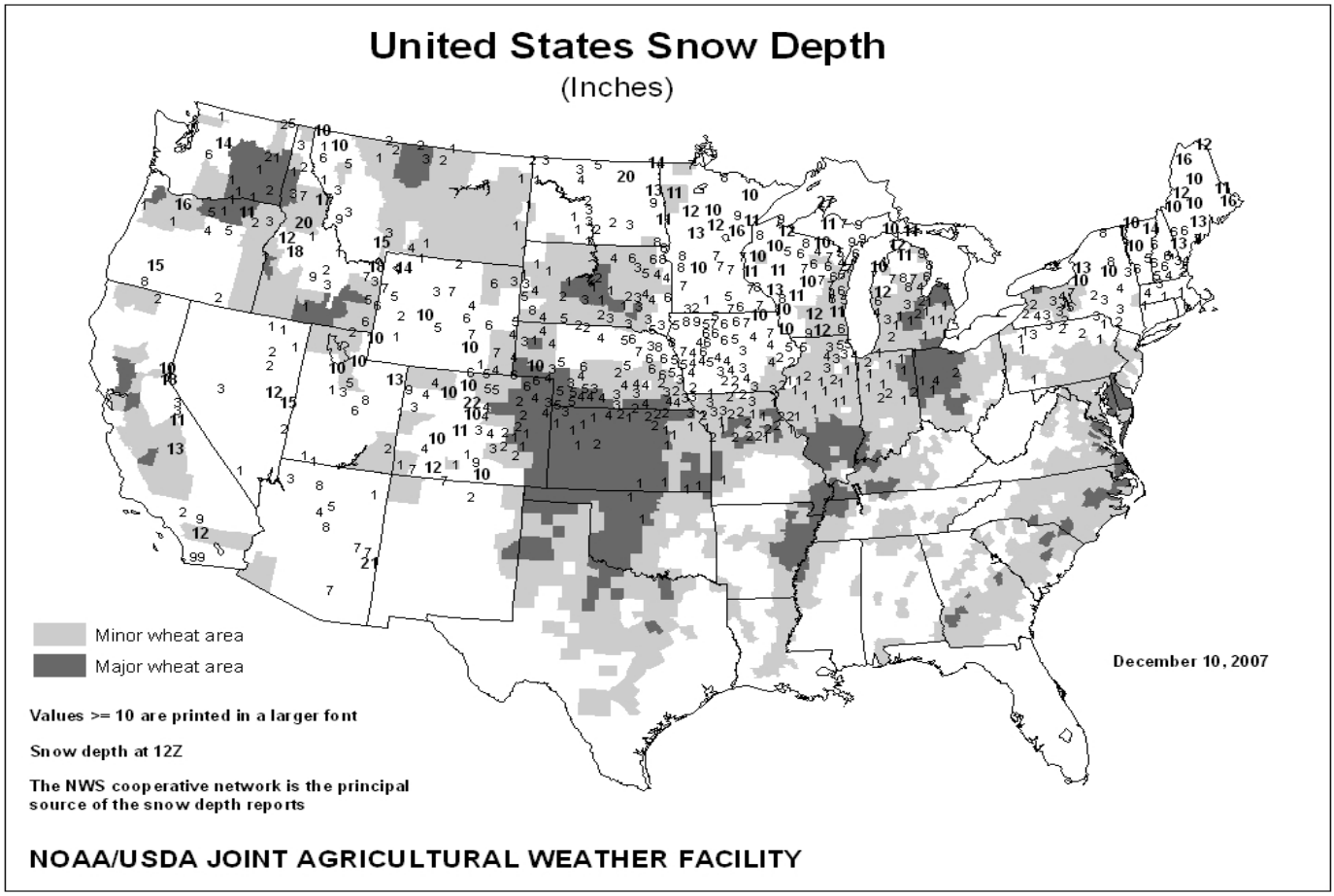
**December 3 - 9, 2007**

*Weekly National Agricultural Summary provided by USDA/NASS*

## HIGHLIGHTS

**Along the Pacific Coast, precipitation accumulations were greater than 4 inches from northwestern California to western Washington. Lighter precipitation fell farther inland, although totals as high as 2 to 4 inches affected the northern Rocky Mountains. Farther east, minimal precipitation occurred on the Great Plains. From the middle Mississippi Valley eastward into the Ohio Valley, moderate to heavy precipitation occurred. West of the Great Plains, temperatures generally averaged 3 to 12 degrees F above normal. From the Great Plains eastward, southernmost areas experienced warmer-than-normal weather but temperatures ranged from 3 to 15 degrees F below normal in the Midwest and Northeast. Snow cover was limited in major winter wheat areas, but increased toward week's end on the central Plains.**

**With above-normal temperatures prevailing across Arizona for the week ending December 9, small grain plantings had begun in the western part of the State. In Georgia, winter grasses were having a tough time getting established under the continued drought conditions, and several cattle producers were selling their herds due to the shortage of hay and the high cost of alternative feed. In Texas, unseasonably warm temperatures were observed throughout the week until a weekend cold front lowered temperatures. Small grains continued to struggle due to lack of rainfall. Cotton harvest neared completion in the Panhandle and Edwards Plateau.**



# December 6 ENSO Update

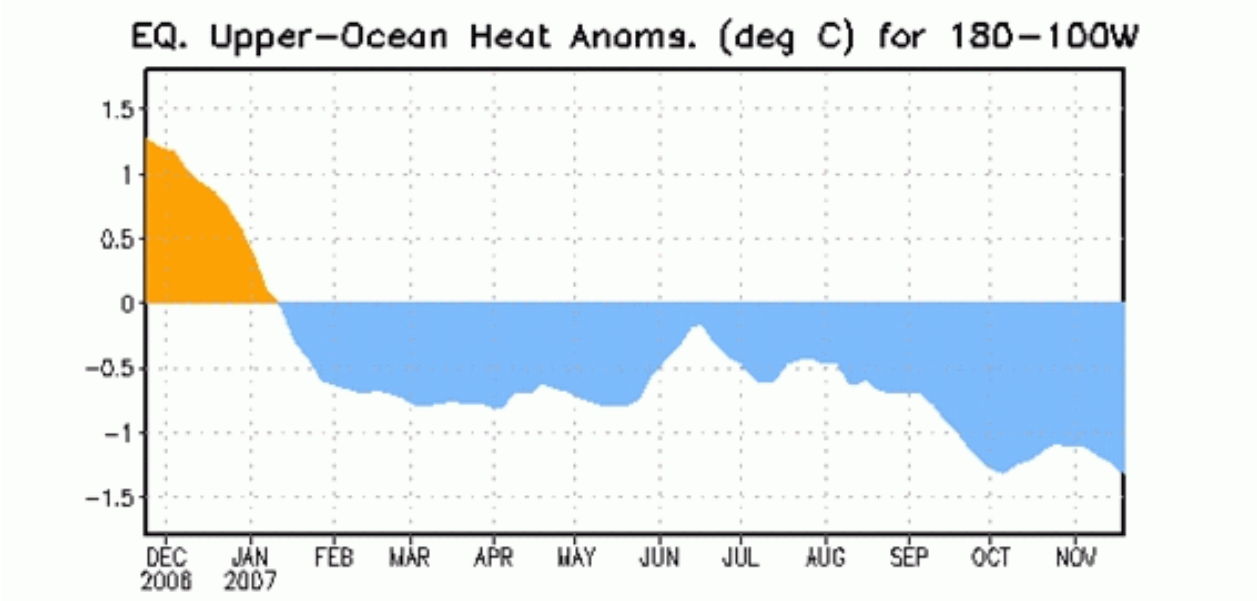



Figure 1: Area-averaged upper-ocean heat content anomalies (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). Heat content anomalies are computed as departures from the 1982-2004 base period weekly means.

**Synopsis:** La Niña is expected to continue into Northern Hemisphere spring 2008.

La Niña reached moderate strength during November 2007, with below-average sea surface temperatures (SSTs) extending from 160E to the South American coast. All of the Niño region indices remained cooler than 1.0°C, with the most substantial cooling occurring in the Niño-4 region located in the central equatorial Pacific Ocean (150W-160E and 5N-5S). The upper-ocean heat content (average temperatures in the upper 300 m of the ocean) in the central and east-central equatorial Pacific remained below average (Fig. 1), with temperatures ranging from 2°C to 5°C below average at thermocline depth. Consistent with these oceanic conditions, low-level easterly winds and upper-level westerly winds strengthened across the central equatorial Pacific, convection remained suppressed throughout the central and eastern equatorial Pacific, and an area of enhanced convection covered the far western Pacific. Collectively, these oceanic and atmospheric conditions reflect La Niña.

The recent SST forecasts (dynamical and statistical models) for the Niño 3.4 region indicate a continuation of La Niña into Northern Hemisphere spring 2008. Over half of the models indicate a moderate-to-strong La Niña through February, followed by a gradual weakening thereafter. Current atmospheric and oceanic conditions and recent trends are consistent with the model forecasts.

Expected La Niña impacts during December-February include a continuation of above-average precipitation over Indonesia and below-average precipitation over the central and eastern equatorial Pacific. For the contiguous United States, potential impacts include above-average precipitation in the Northern Rockies, the Pacific Northwest, the Ohio and Tennessee Valleys, and parts of the Great Lakes region. Below-average precipitation is expected across the South, particularly in the southwestern and southeastern states.

This discussion is a consolidated effort of NOAA and its funded institutions. Oceanic and atmospheric conditions are updated weekly on the Climate Prediction Center web site (El Niño/La Niña Current Conditions and Expert Discussions). Forecasts for the evolution of El Niño/La Niña are updated monthly in the Forecast Forum section of CPC's Climate Diagnostics Bulletin. The next ENSO Diagnostics Discussion is scheduled for 10 January 2008. To receive an e-mail notification when the monthly ENSO Diagnostic Discussions are released, please send an e-mail message to: ncep.list.enso-update@noaa.gov.

# International Weather and Crop Summary

**December 2 - 8, 2007**

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

## *HIGHLIGHTS*

**FSU-WESTERN:** Unseasonably mild weather provided favorable overwintering conditions for dormant winter grains in Ukraine, Belarus, and most of Russia.

**EUROPE:** Wet weather in central and eastern growing areas maintained adequate to abundant soil moisture for semi-dormant to dormant winter crops.

**AUSTRALIA:** Widespread, soaking rains maintained adequate to abundant moisture supplies for summer crops in eastern Australia.

**SOUTHEAST ASIA:** Showers prevailed throughout Indonesia and the Philippines, providing beneficial moisture to seasonal crops.

**ARGENTINA:** Scattered showers boosted topsoil moisture in Cordoba and Buenos Aires, but more rainfall was needed to ensure uniform germination and establishment of soybeans and other summer crops.

**BRAZIL:** Showers benefited soybeans and other emerging summer row crops throughout the region.

**MIDDLE EAST:** Rain eased moisture deficits in Syria and Iran and maintained favorable prospects for winter crops in Turkey.

**NORTHWEST AFRICA:** Drier weather accelerated fieldwork following last week's heavy rain.

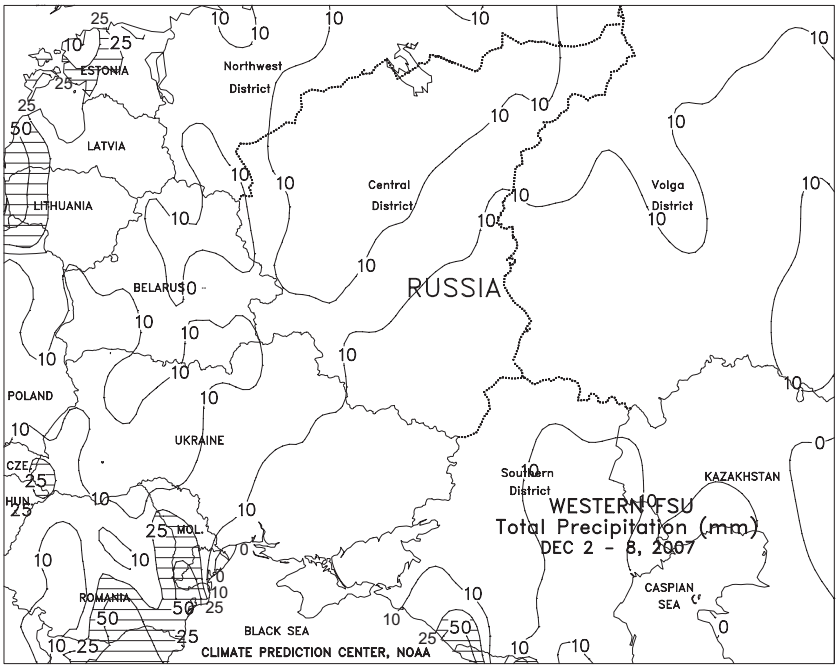
**SOUTH AFRICA:** Widespread, moderate to heavy showers maintained favorable conditions for corn and other summer crops in the main production areas.

### EUROPE

Wet, warm weather in central and eastern Europe contrasted with increasing dryness on the Iberian Peninsula. A pair of Atlantic storm systems generated moderate rainfall (greater than 25 mm) across much of the continent, with amounts in excess of 50 mm in western England and from western France into central and northern Germany and western Scandinavia. Precipitation was lighter (2-25 mm) across eastern Europe, although heavy rain (greater than 50 mm) was reported in western portions of the Baltics and the lower Danube River Valley. The rain (and some snow) maintained adequate to abundant moisture supplies for dormant to semi-dormant winter crops. However, weekly average temperatures up to 7 degrees C above normal melted eastern Europe's protective snowpack and prevented crops from going dormant in central and western growing areas. In contrast, dry weather on the Iberian Peninsula exacerbated short-term dryness; season-to-date precipitation deficits are most pronounced in Portugal and northern Spain, with less than 50 percent of normal rainfall since September 1. Dry conditions (less than 5 mm) also lingered in Italy's Po Valley, although fall-winter precipitation (to date) in northern Italy has been near normal. Showers (5-40 mm) in southern Italy provided additional relief from long-term dryness and improved soil moisture for emerging winter crops.

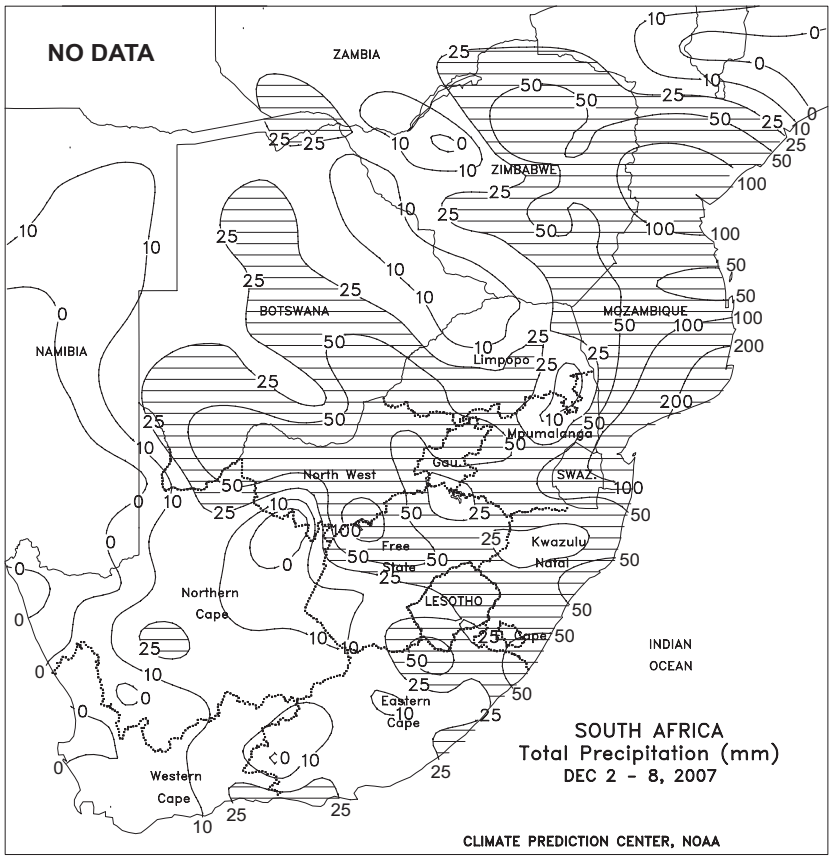
## FSU-WESTERN

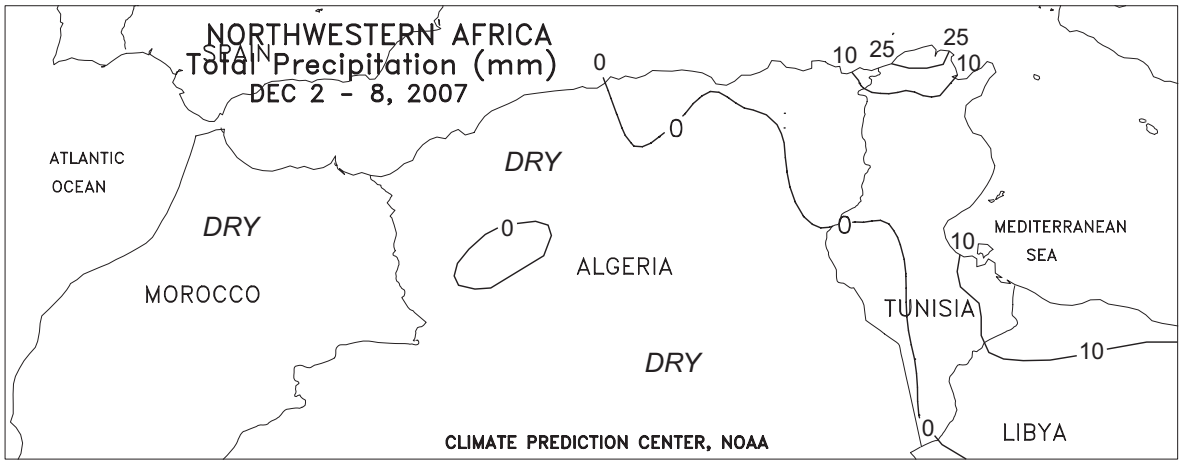
Unseasonably mild weather provided favorable overwintering conditions for dormant winter grains over most of the region. Bitterly cold weather (minimum temperatures ranging from -20 to -15 degrees C) was confined to the Volga District in Russia, where winter grains were protected by a moderate to deep snow cover. Widespread, light precipitation (3-25 mm of liquid equivalent) was observed at most locations. The moisture fell mainly as rain in Ukraine and the Southern District in Russia, while a mixture of rain and snow extended from Belarus eastward across northern Russia. Weekly temperatures averaged 2 to 5 degrees C above normal in Belarus and Ukraine, 1 to 3 degrees C above normal in the Central and Southern Districts in Russia, and 2 to 5 degrees C below normal in the Volga District. Extreme maximum temperatures generally ranged from 5 to 10 degrees C in Ukraine and the southern portion of the Southern District in Russia, and -5 to 5 degrees C over the remainder of Russia and Belarus. At week's end, snow cover was shallow to moderate in the Central District, while a moderate to deep snow cover blanketed winter grains in the Volga District. Winter grain areas in Belarus, Ukraine, and the Southern District in Russia were snow free, leaving crops vulnerable to potential winterkill conditions.




## SOUTH AFRICA

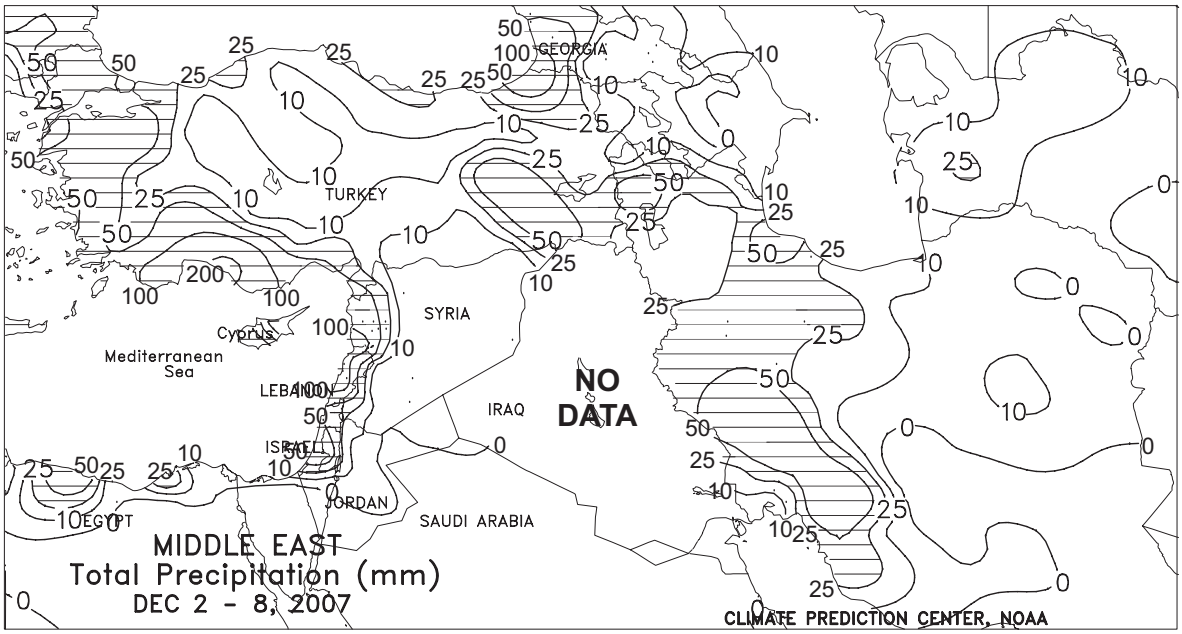
Cool, wet weather maintained generally favorable conditions for corn and other emerging summer crops. Rainfall totaled 25 to 50 mm or greater across the corn belt (notably North West, Free State, Gauteng, and Mpumalanga), with temperatures averaging 1 to 2 degrees C below normal (highs mostly in the lower and middle 20s degrees C). Similar conditions were recorded in KwaZulu-Natal and neighboring locations in Eastern Cape, sustaining moisture reserves for sugarcane and other irrigated crops. Mild, showery weather prevailed elsewhere in the Cape Provinces except for the commercial farming areas of Western Cape, which remained mostly dry; there, the sunny weather favored development of fruits and vegetables but high temperatures in the 20s degrees C lowered crop development rates.





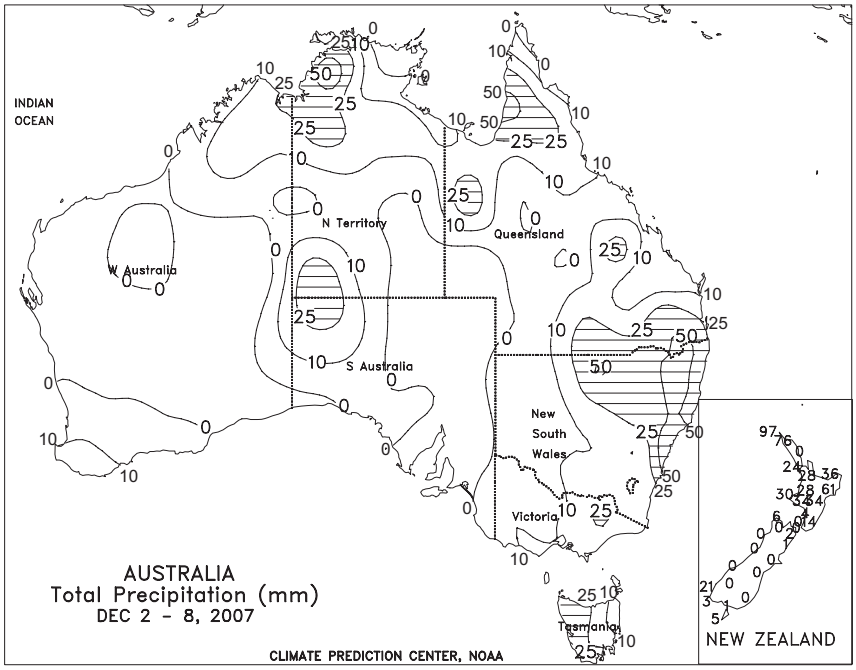

## NORTHWEST AFRICA

Showers lingered in eastern-most wheat districts, while dry weather returned to the rest of the region. A departing Mediterranean storm generated light shower activity (2-12 mm) from northeastern Algeria into northern Tunisia, maintaining favorable conditions for winter grain emergence and establishment. Dry weather returned to the remainder of northern Algeria, allowing fieldwork to resume following last week's heavy downpours. Dry weather in Morocco promoted late winter wheat planting but reduced topsoil moisture for crop establishment. Nevertheless, near- to above-normal rainfall since early September across most of northwestern Africa has provided favorable early winter grain prospects.



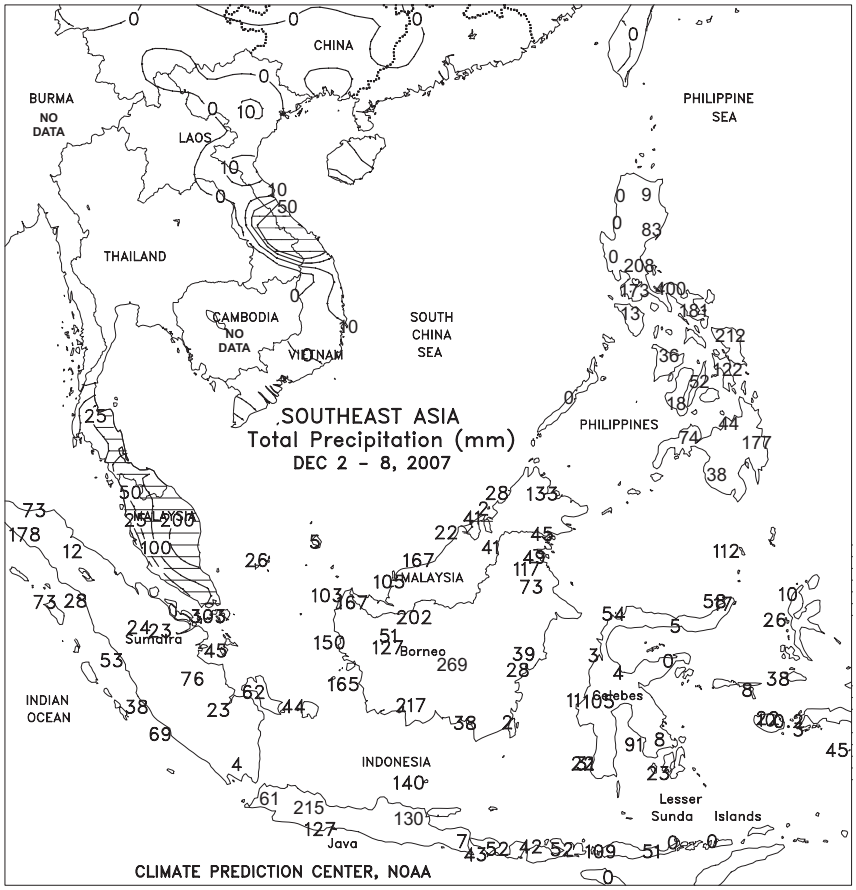

## MIDDLE EAST

Wet weather maintained favorable conditions for winter grains in Turkey and improved crop prospects from the eastern Mediterranean coast into western Iran. A pair of slow-moving storm systems generated heavy rain and mountain snow (50-200 mm liquid equivalent) across western and southern Turkey, providing additional topsoil moisture for winter grains. Precipitation was lighter (5-15 mm) across Turkey's Anatolia Plateau and southeastern winter grain areas, but prospects remained favorable for most of Turkey's winter wheat and barley crop. The recent 2-month stretch of wet weather is in sharp contrast to the record-setting heat and dryness that plagued much of Turkey during the latter months of 2006 and the first half of 2007. Much-needed rain returned to the rest of the Middle East, although amounts were generally too light (less than 5 mm) in northern and eastern Syria to ease irrigation demands. Elsewhere, however, moderate to heavy precipitation (20-130 mm) improved winter grain prospects, most notably along the eastern Mediterranean coast and in western Iran.




## AUSTRALIA

Widespread, soaking rain (10-55 mm, locally more) continued to fall across southern Queensland and much of New South Wales, maintaining adequate to abundant moisture supplies for summer crops. The wet weather continued to hamper winter wheat harvesting, which is approaching completion nevertheless. In extreme southern New South Wales, Victoria, and South Australia, lighter, more widely scattered showers (2-15 mm) enabled winter grain harvesting to progress following only brief delays. Similarly, mostly dry, albeit cool weather in Western Australia enabled winter wheat and barley harvesting to proceed without delay. Temperatures in Western Australia averaged about 3 to 4 degrees C below normal. Elsewhere across the Australian wheat belt, temperatures averaged about 1 to 2 degrees C above normal.

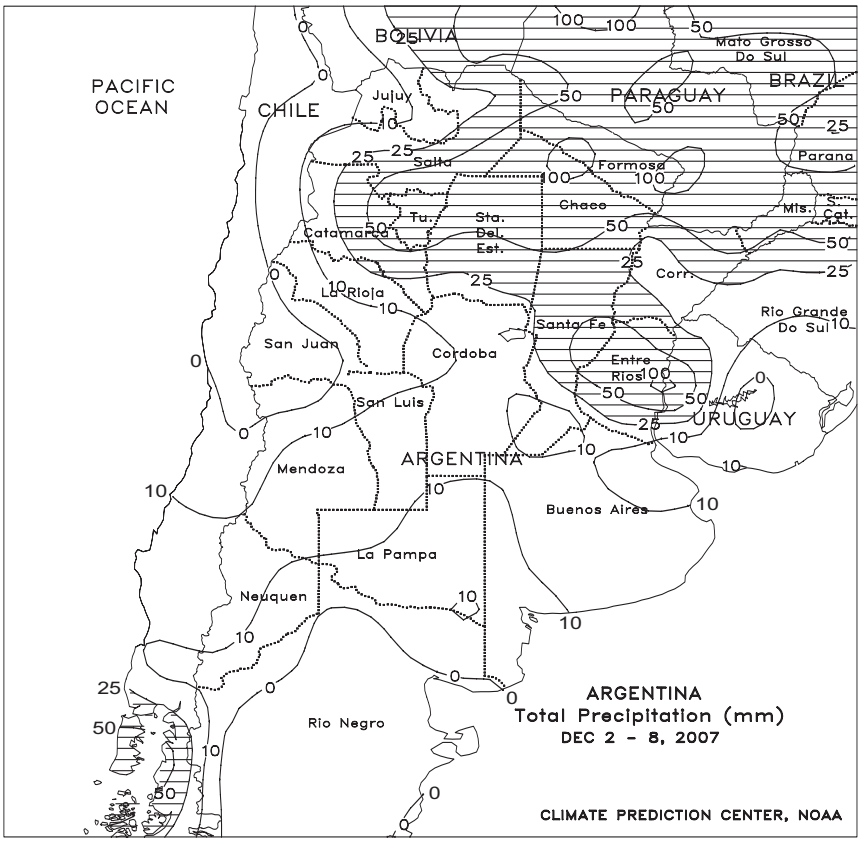



## SOUTHEAST ASIA

Sunny, dry weather in Vietnam favored irrigated winter-spring rice crops in the Red River and Mekong Deltas. In the Philippines, seasonal showers (10-100 mm) prevailed in eastern Luzon, the Visayan Islands, and Mindanao. The rainfall provided beneficial moisture to vegetative rice and corn in central and southern growing areas. In Indonesia, unseasonably heavy rainfall (50-200 mm) throughout Java boosted soil moisture for reproductive rice, while somewhat lighter amounts (25-50 mm, locally more) in Sumatra maintained moisture supplies for oil palm. Heavy rainfall (50-400 mm) in Malaysia slowed oil palm harvest activities and likely provided excessive moisture to oil palm trees in the reproductive stage of development.


## BRAZIL

Moderate to heavy rain (25-50 mm or more, locally exceeding 100 mm) covered most major agricultural areas, further improving prospects of soybeans and other emerging summer crops. The rain in southern Brazil (Parana, Santa Catarina, and Rio Grande do Sul) ended a brief spell of warmth and dryness that temporarily reduced moisture for germination of soybeans and corn. Farther north, dry pockets (weekly rainfall totaling less than 25 mm) continued in northern Sao Paulo and southwestern Minas Gerais, key sugarcane, citrus, and coffee areas that have received sporadic rainfall for much of the season. In contrast, heavier showers (locally exceeding 100 mm) fell from Mato Grosso to western Bahia. It was the second week of locally heavy rain in Bahia after a very late start to the rainy season, although above normal temperatures (highs in the middle 30s degrees C) maintained high evaporative losses. Elsewhere, rain (25-50 mm or more) benefited most eastern coffee areas (Espirito Santo and eastern croplands of Minas Gerais and Bahia) while drier weather aided sugarcane harvesting and other seasonal fieldwork along the northeastern coast.




## ARGENTINA

Scattered showers (10-25 mm) moistened topsoils in Cordoba, Buenos Aires, and southern growing areas of Santa Fe and Entre Rios, providing needed moisture for germination of soybeans, corn, and sunflowers. However, more rainfall will be needed in Cordoba and other western growing areas to ensure proper establishment of summer crops after an exceptionally dry November. Pockets of dryness lingered in La Pampa and southwestern Buenos Aires but to the north, heavy showers (25-50 mm or more) fell in central and northern locations of Santa Fe and Entre Rios. Heavy rain also swept across northern Argentina, providing moisture to cotton and other emerging summer row crops, as well as pastures and livestock, although above-normal temperatures (highs in the upper 30s degrees C) sustained high evaporation rates. According to Argentina's Ministry of Agriculture (SAGPyA), corn was 82 percent planted as of December 6, 3 points ahead of last year's pace. Sunflowers were 93 percent planted, also slightly ahead of last year's pace (91 percent) but soybean planting continued to lag last year's pace (56 percent compared with 67 percent last year) due to the recent problems with dryness in central Argentina's main growing areas. Winter wheat was 29 percent harvested, compared with 42 percent last year, with greatest progress in the northern growing areas.

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