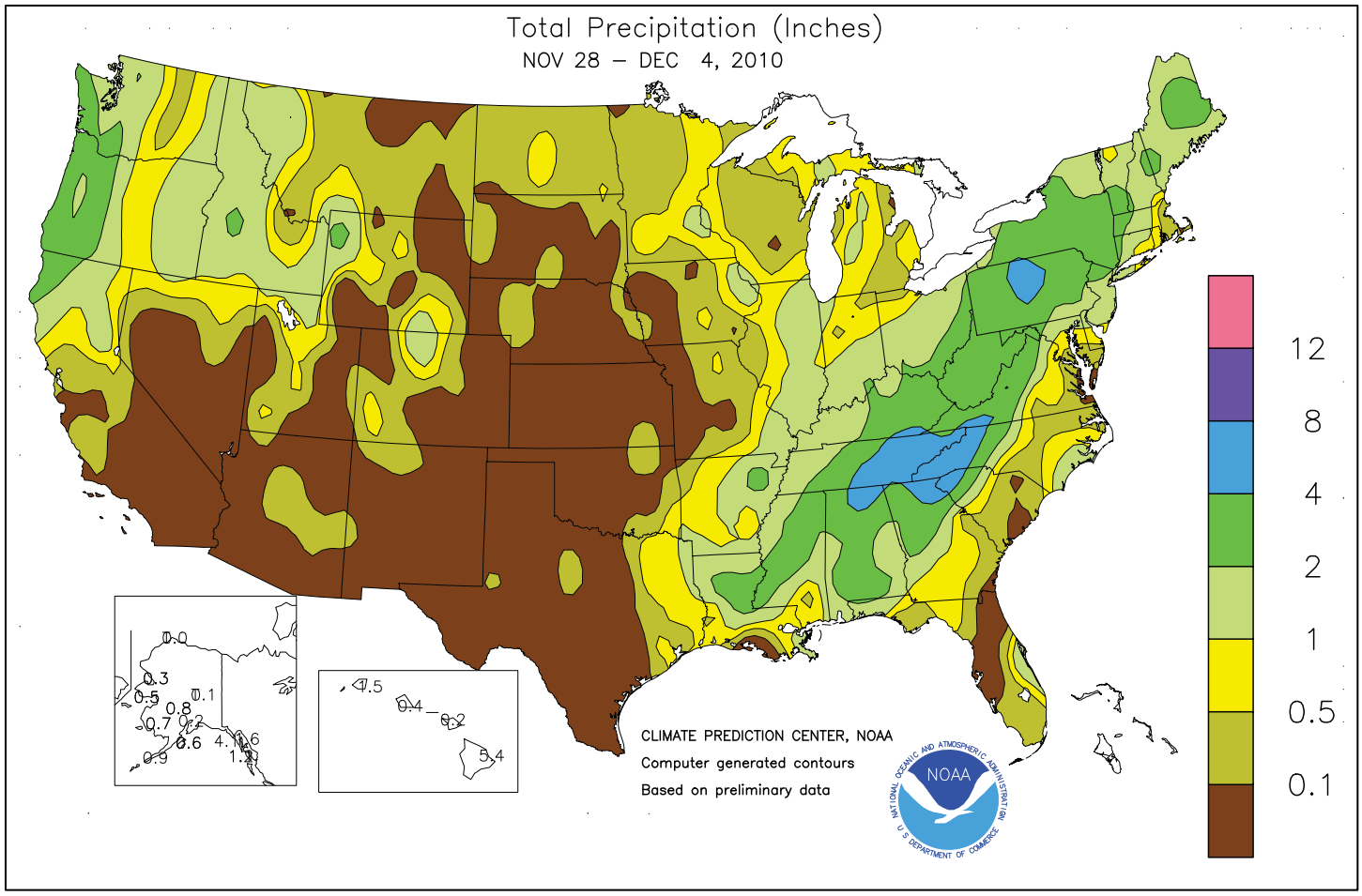
Volume 97, No. 49 http://www.usda.gov/oce/weather December 7, 2010

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

November 28 - December 4, 2010

Highlights provided by USDA/WAOB

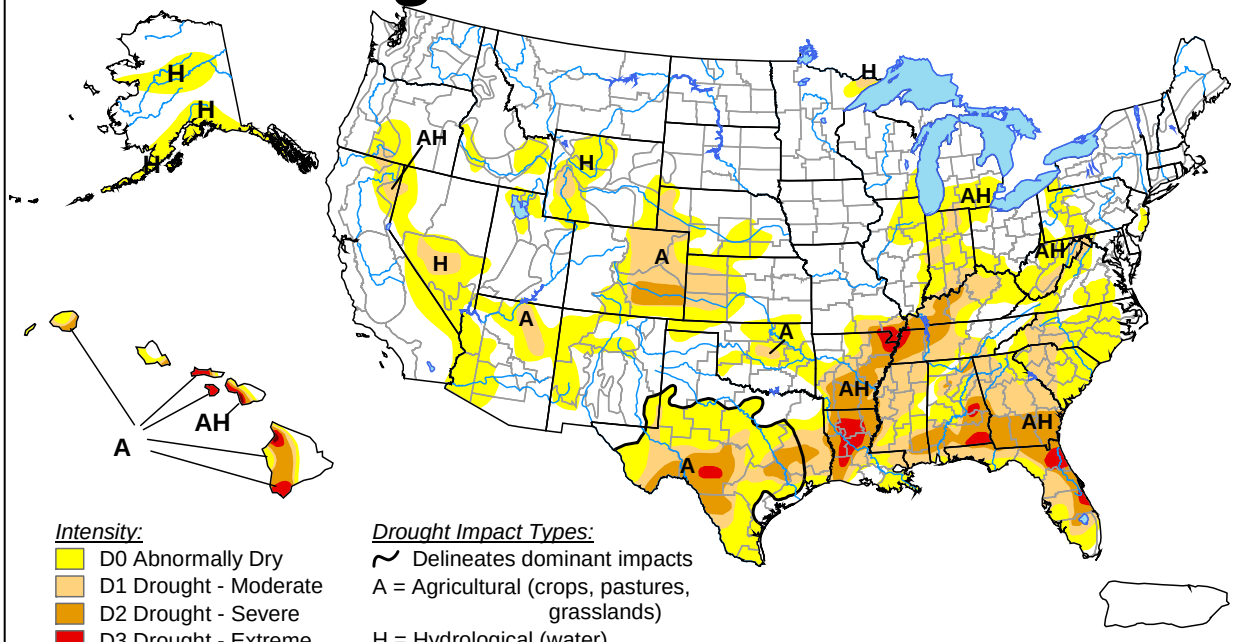
Unfavorably dry conditions persisted on the **central and southern Plains**, where a cold spell effectively ended the opportunity for further winter wheat establishment. In fact, thin winter wheat stands on portions of the **central and southern Plains** contrasted with a well-established, snow-covered wheat crop across the **northern Plains** and the **Northwest**. Additional snow fell during the week from the **Northwest into the upper Midwest**, while a final round of rain virtually eradicated lingering drought in the **eastern Corn Belt**. By week's end, a colder weather

(Continued on page 3)

Contents

U.S. Drought Monitor

November 30, 2010
Valid 8 a.m. EDT



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

Drought Impact Types:
- ~ Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm

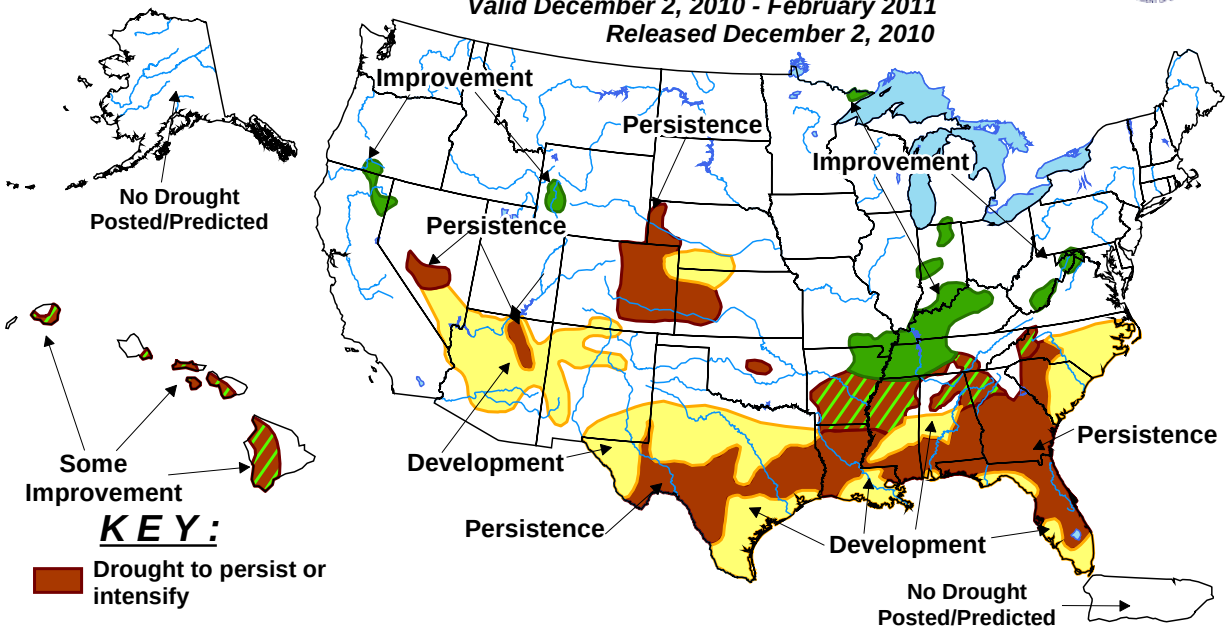
USDA National Drought Mitigation Center

Released Thursday, December 2, 2010
Author: Rich Tinker, NOAA/NWS/NCEP/CPC

U.S. Seasonal Drought Outlook

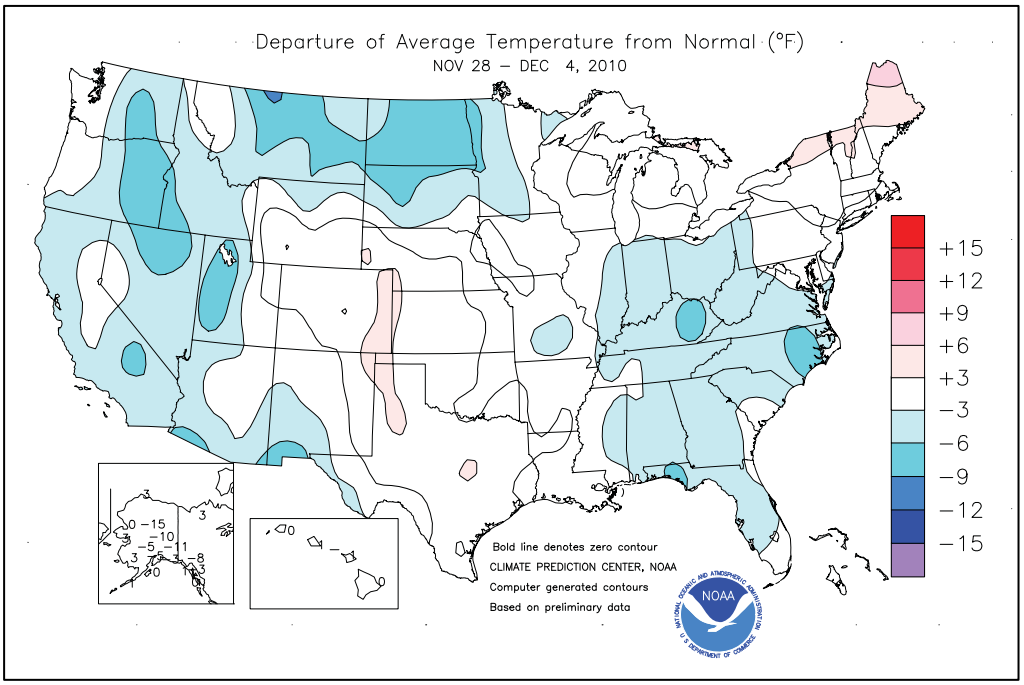
Drought Tendency During the Valid Period

Valid December 2, 2010 - February 2011
Released December 2, 2010



K E Y :
- **Drought to persist or intensify**
- **Drought ongoing, some improvement**
- **Drought likely to improve, impacts ease**
- **Drought development likely**

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. 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.

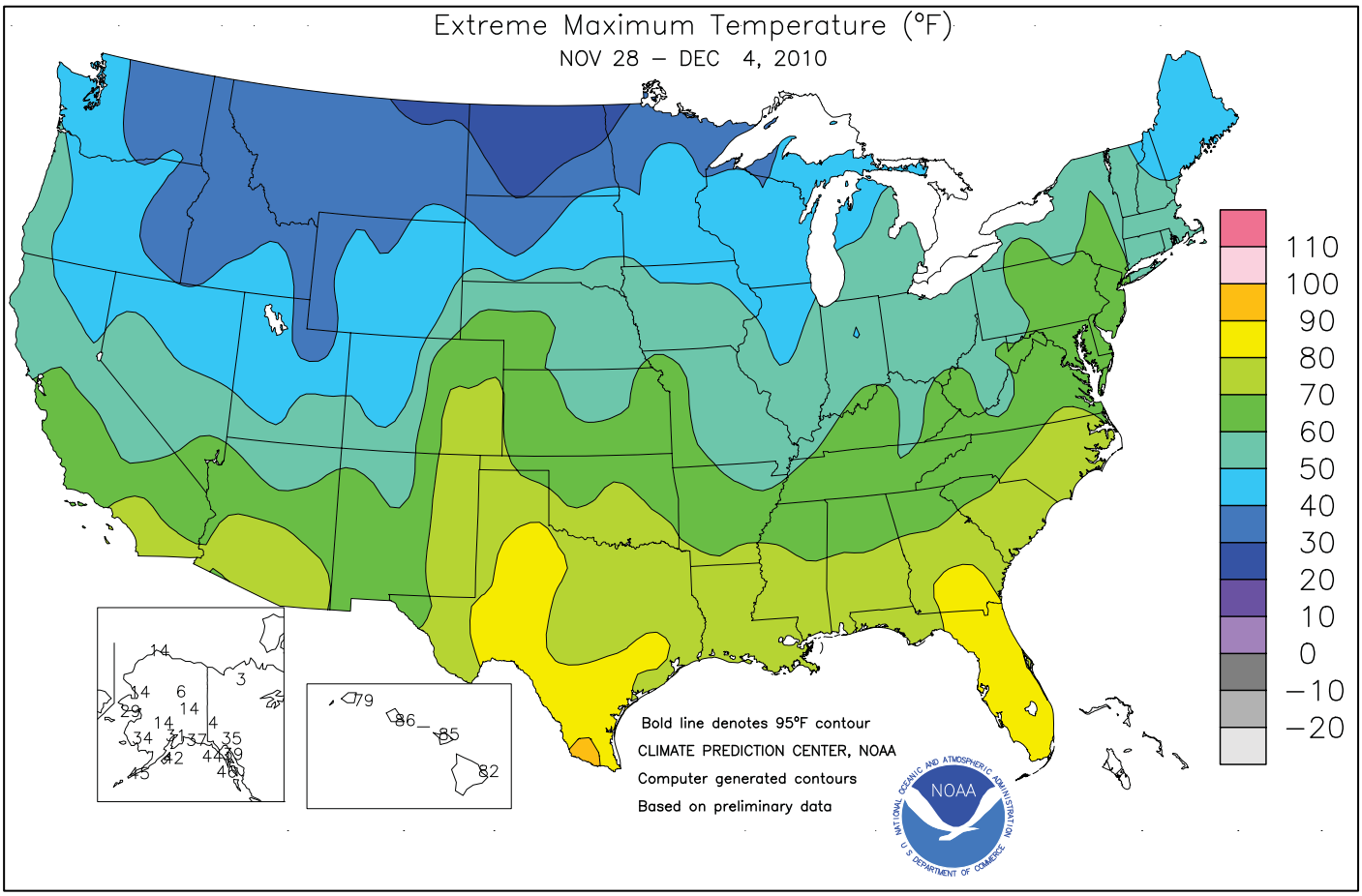


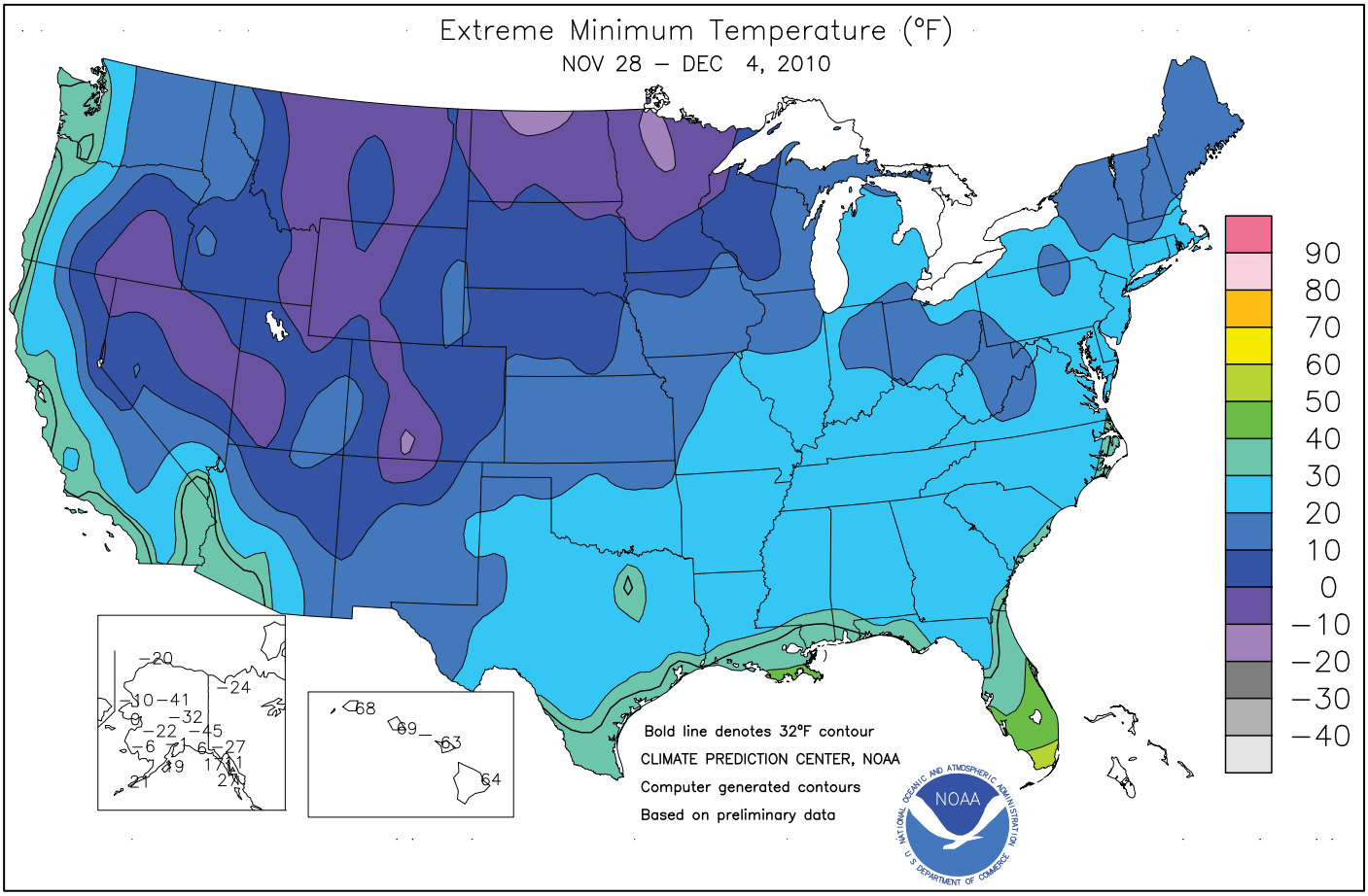
(Continued from front cover)
pattern resulted in widespread snow showers downwind of the **Great Lakes**. Farther south and east, an axis of heavy rainfall stretched along the **Appalachian Cordillera**. Rainfall totals in excess of 4 inches were most common in the **southern Appalachians**. In contrast, little or no rain fell in the **southern Atlantic region**, including much of **Georgia** and **Florida**, where drought continued to expand and intensify. Elsewhere, cold, stormy weather prevailed in the **Northwest**, maintaining favorable conditions for overwintering grains. Cool conditions also covered the **Southwest**.

Early in the week, snow continued to blanket the **northern Plains** and the **Northwest**. Daily-record snowfall totals for November 28 included 7.0 inches in **Pocatello, ID**, and 6.4 inches in **Billings, MT.** For **Pocatello**, it was the snowiest November day on record, edging the mark of 6.9 inches set on November 21, 1992. With a monthly total of23.3 inches, **Billings** completed its second-snowiest November behind only 25.2 inches in 1978. Elsewhere in the **West**, November snowfall records were broken in locations such as **Spokane, WA** (25.9 inches; previously, 24.7 inches in 1955), and **Ely, NV** (20.3 inches; previously, 17.3 inches in 1985). Meanwhile, heavy precipitation shifted into the **eastern one-third of the U.S.** On November 29, both **Monroe, LA** (1.87 inches), and **Jonesboro, AR** (1.72 inches), noted daily rainfall records. A multitude of daily-record precipitation totals were reported on November 30, including 4.11 inches in **Asheville, NC**; 3.93 inches in **Huntsville, AL**; 3.03 inches in **London, KY**; 2.95 inches in **Pittsburgh, PA**; 2.66 inches in **Greenville-Spartanburg, SC**; and 2.47 inches in **Parkersburg, WV.** For **Pittsburgh**, it was the wettest November day on record, topping the mark of 1.89 inches set just 5 days earlier. For **London**, it was the second-wettest November day on record, behind 3.53 inches on November 12, 1975. A severe weather outbreak accompanied the heavy rain, with approximately three dozen tornadoes spotted on November 29-30 across **Louisiana**, **Mississippi**, **Alabama**, **Georgia**, and **South Carolina**. Heavy rain continued into December 1 across the **Northeast**, where daily-record amounts included 2.91 inches in **Williamsport, PA**, and 1.43 inches in **Rochester, NY.** Precipitation ended as snow from the **Great Lakes region into the Northeast**, with December 1 snowfall reaching 3.4 inches in **Rochester** and 5.0 inches in **Grand Rapids, MI.** A few favored locations in **Erie County, NY**, downwind of **Lake Erie**, received more than 3 feet of lake-effect snow in a 48-hour period from December 1-3. At week's end, a fast-moving storm deposited a stripe of snow from the **northern Plains into the Ohio Valley**. Record-setting snowfall totals in **North Dakota** for December 3 included 5.6 inches in **Bismarck** and 4.0 inches in **Williston**. The following day, snowfall records for December 4 reached 5.1 inches in **Chicago, IL**, and 3.2 inches in **Cincinnati, OH.**

Cold weather persisted early in the week across the **West**, where **Redding** (26°F) notched a daily-record low for November 28. In **Oregon**, **Klamath Falls** (1 and -1°F) opened the week with consecutive daily-record lows on November 28-29. On November 30, **Tucson, AZ** (23°F), reported its fourth-lowest temperature of the century, behind 19°F on December 29, 2003, and 20°F on both December 28, 2003, and January 15, 2007. Elsewhere in **Arizona**, monthly record lows were established on November 30 in locations such as Douglas (11°F; previously, 14°F on November 23, 1957) and **Safford** (14°F; previously 15°F on November 22, 1979, and November 26, 1992). Daily-record lows for November 30 included -13°F in **Milford, UT**, and -4°F in **Flagstaff, AZ.** The following day, **Del Rio, TX** (26°F), collected a daily-record low for December 1. Just 2 days earlier, **McAllen, TX** (93°F), had posted a daily-record high for November 29. Warmth prevailed for much of the week in **Florida**, where daily-record highs included 86°F (on November 29) in **Tampa** and 84°F (on November 30) in **Jacksonville**. Toward week's end, warmth briefly returned to the **south-central U.S.**, where daily-record highs for December 3 reached 84°F in **Childress, TX**; 79°F in **Tucumcari, NM**; and 75°F in **Pueblo, CO.**

Stormy weather persisted across much of **Alaska**, but abruptly colder conditions held weekly temperatures as much as 15°F below normal across the interior. With 11.6 inches of snow during November, **Fairbanks** completed its snowiest month since March 2009 (15.5 inches). **Barrow's** November snowfall reached 20.0 inches, behind only October 1925 (23.2 inches) and October 2008 (21.2 inches) on its all-time list. By December 3, a large low-pressure system over **south-central Alaska** helped to produce a daily-record snowfall (4.9 inches) in **Kotzebue**. A day later, **Haines** (1.40 inches) netted a daily-record precipitation total for December 4. Farther south, wet weather provided additional drought relief in **Hawaii**. On **Kauai**, famously wet **Mount Waialeale** netted a weekly rainfall total of 16.35 inches, aided by a 24-hour sum of 7.87 inches on December 2-3. On the **Big Island**, **Hilo** received 4.50 inches of rain during the first 4 days of December, boosting its year-to-date total to 60.66 inches (52 percent of normal).


Extreme Maximum Temperature (°F)
NOV 28 – DEC 4, 2010
110
100
90
80
70
60
50
40
30
20
10
0
−10
−20
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data
NOAA


Extreme Minimum Temperature (°F)
NOV 28 – DEC 4, 2010
90
80
70
60
50
40
30
20
10
0
−10
−20
−30
−40
Bold line denotes 32°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data
NOAA

Agricultural Weather Data Compiled by USDA's Stoneville Field Office

Weather Data for the Week Ending December 4, 2010

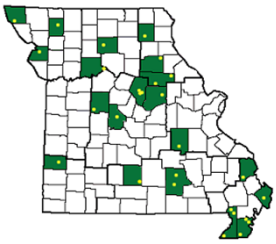
Data Provided by the Mississippi State Delta Research and Extension Center (DREC) and the University of Missouri Commercial Agriculture Program.

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							4-INCH SOIL TEMP. °F		NUMBER OF DAYS			
																TEMP. °F		PRECIP	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE DEC01	PCT. NORMAL SINCE DEC01	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
MISSISSIPPI																			
ND TUNICA 1W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYON	60	35	65	29	48	-	1.04	-	1.03	0.00	-	-	-	54	49	0	2	2	1
VANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERTHSHIRE	60	37	66	32	48	-	1.42	-	1.42	0.00	-	-	-	54	45	0	2	1	1
SCOTT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SANDY RIDGE	61	38	67	33	50	-	0.50	-	0.41	0.00	-	-	-	57	51	0	0	2	0
NE VERONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD STONEVILLE x	60	37	67	30	48	-1	0.61	-0.65	0.59	0.02	5	32.66	67	58	45	0	2	2	1
INDIANOLA 1S*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INVERNESS 5E	61	36	67	31	49	-	1.23	-	0.70	0.00	-	-	-	56	51	0	3	2	2
SIDON	63	38	67	33	50	-	0.86	-	0.55	0.00	-	-	-	-	-	0	0	2	1
NORTH ISSAQUENA	62	38	68	32	50	-	1.60	-	1.54	0.00	-	-	-	57	50	0	2	2	1
SILVER CITY	62	37	68	31	50	-	1.21	-	0.81	0.00	-	30.17	-	56	51	0	1	2	1
ONWARD	63	38	69	31	50	-	1.28	-	0.62	0.00	-	-	-	58	49	0	3	3	1
MAYDAY	63	37	71	30	50	-	2.06	-	1.55	0.01	-	-	-	-	-	0	3	3	2
MISSOURI																			
NW CORNING	44	24	61	15	34	0	0.00	-0.49	0.00	0.00	0	31.50	95	-	-	0	6	0	0
ALBANY	43	23	58	17	33	-1	0.00	-0.40	0.00	0.00	0	36.20	105	39	36	0	7	0	0
ST. JOSEPH	44	24	62	17	34	-1	0.00	-0.39	0.00	0.00	0	39.98	113	-	-	0	6	0	0
NC LINNEUS	41	25	56	18	34	-1	0.20	-0.22	0.20	0.00	0	44.47	122	38	35	0	6	1	0
BRUNSWICK	43	26	57	18	35	-1	0.14	-0.40	0.14	0.00	0	43.14	116	41	38	0	6	1	0
NE NOVELTY	41	25	56	20	33	-3	0.43	-0.20	0.43	0.00	0	49.48	138	37	34	0	7	1	0
MONROE CITY	42	26	56	21	33	-2	0.26	-0.45	0.26	0.00	0	46.11	129	38	35	0	6	1	0
WC GREEN RIDGE	46	26	59	17	36	-1	0.19	-0.53	0.19	0.00	0	43.67	110	41	36	0	6	1	0
C AUXVASSE	44	26	58	20	35	-2	0.13	-0.35	0.13	0.00	0	47.64	125	39	36	0	5	1	0
COL-SANBORN FLD	45	28	59	22	37	-2	0.17	-0.55	0.17	0.00	0	51.46	129	42	37	0	5	1	0
WILLIAMSBURG	45	25	59	21	35	-3	0.12	-0.62	0.12	0.00	0	39.36	96	41	36	0	6	1	0
COL-JEFFERS F&G	45	26	58	21	36	-2	0.08	-0.62	0.08	0.00	0	42.31	107	40	37	0	5	1	0
COL SOUTH FARMS	45	26	58	21	35	-3	0.11	-0.59	0.11	0.00	0	48.88	123	-	-	0	6	1	0
COL-BF	44	25	58	20	35	-3	0.09	-0.61	0.09	0.00	0	43.70	110	40	35	0	6	1	0
VERSAILLES	47	27	60	19	37	-2	0.11	-0.59	0.11	0.00	0	42.03	104	43	37	0	5	1	0
EC VANDALIA	42	27	56	22	33	-5	0.05	-0.76	0.05	0.00	0	47.19	122	39	34	0	6	1	0
SW LAMAR	51	28	61	22	39	-1	0.18	-0.52	0.18	0.00	0	38.36	84	45	38	0	6	1	0
SC COOK STATION	47	25	58	19	36	-4	0.53	-0.38	0.52	0.00	0	44.43	108	43	38	0	6	2	1
MOUNTAIN GROVE	46	27	55	21	37	-2	0.47	-0.67	0.47	0.00	0	38.46	91	42	37	0	5	1	0
SE DELTA	48	31	54	26	38	-4	1.38	0.40	1.37	0.00	0	33.54	80	46	38	0	5	2	1
CHARLESTON	49	30	57	26	39	-3	1.81	1.03	1.79	0.00	0	32.31	77	45	36	0	5	2	1
GLENNONVILLE	50	33	55	29	40	-4	1.43	0.56	1.41	0.00	0	26.18	67	48	41	0	4	2	1
CLARKTON	50	31	55	27	40	-3	1.91	1.01	1.91	0.00	0	29.18	73	47	37	0	5	1	1
PORTAGEVILLE DC	51	33	58	30	42	-2	1.95	0.96	1.93	0.00	0	34.24	81	50	39	0	3	2	1
PORTAGEVILLE LF	51	33	58	30	41	-3	1.72	0.70	1.68	0.00	0	30.43	72	49	39	0	3	2	1
STEELE	53	34	59	31	42	-2	1.81	0.62	1.78	0.00	0	33.80	76	50	39	0	3	2	1
CARDWELL	53	32	58	28	41	-3	2.37	1.42	2.37	0.00	0	29.74	69	51	40	0	5	1	1

Compiled by USDA/OCE/WAOB's Stoneville Field Office. * Beasley Lake. X Based on 1971-2000 normals. - Sufficient data not available.
Data are preliminary and subject to revision.
Mississippi: ND = Northern Delta; NE = Northeastern Mississippi; EC = East Central Mississippi; SD = Southern Delta.
Missouri: NW = Northwest; NC = North Central; NE = Northeast; WC = West Central; C = Central; EC = East Central; SW = Southwest; SE = Southeast; SC = South Central. (Col=Columbia, Col-Jeffers F&G=Columbia Jefferson Farm and Gardens, Col-BF=Bradford Farm)

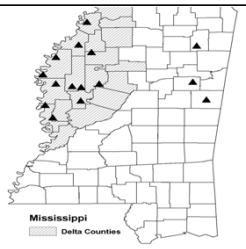
Weather and Crop Summary for the Mississippi Delta: A period of wet weather helped to boost rainfall totals, with most locations receiving 1 to 2 inches. Temperatures were slightly below average, although a few locations escaped a freeze.

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 4, 2010

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 DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	59	34	68	28	47	-2	1.33	0.26	1.10	0.00	0	46.54	93	90	44	0	3	2	1
	HUNTSVILLE	56	34	63	28	45	-2	4.31	2.99	3.94	0.00	0	44.39	84	84	71	0	3	2	1
	MOBILE	67	39	75	32	53	-2	0.58	-0.68	0.54	0.00	0	57.96	93	92	58	0	1	2	1
	MONTGOMERY	64	33	75	26	49	-3	1.28	0.04	1.20	0.00	0	37.32	74	94	49	0	4	2	1
AK	ANCHORAGE	21	8	31	-1	15	-4	0.21	-0.01	0.16	0.16	123	15.43	102	78	67	0	7	2	0
	BARROW	4	-10	14	-20	-3	3	0.04	0.02	0.04	0.04	400	5.29	131	92	79	0	7	1	0
	FAIRBANKS	-5	-20	14	-32	-13	-10	0.04	-0.10	0.03	0.03	38	10.13	105	82	74	0	7	2	0
	JUNEAU	33	23	39	11	28	-3	1.61	0.45	0.47	0.57	86	52.63	98	95	87	0	6	6	0
	KODIAK	39	25	42	19	32	0	0.60	-0.94	0.45	0.60	67	64.91	95	71	54	0	7	2	0
	NOME	21	9	29	0	15	2	0.46	0.20	0.26	0.46	329	13.04	83	88	79	0	7	3	0
AZ	FLAGSTAFF	46	14	57	-4	30	-3	0.18	-0.23	0.18	0.00	0	24.35	114	78	27	0	7	1	0
	PHOENIX	68	42	76	35	55	-2	0.01	-0.16	0.01	0.00	0	8.07	108	42	22	0	0	1	0
	PRESCOTT	56	25	68	15	41	1	0.00	-0.28	0.00	0.00	0	18.91	105	64	16	0	6	0	0
	TUCSON	69	36	81	23	53	-2	0.00	-0.15	0.00	0.00	0	10.66	95	31	15	0	3	0	0
AR	FORT SMITH	58	33	70	25	46	1	0.34	-0.70	0.34	0.00	0	33.13	81	88	32	0	4	1	0
	LITTLE ROCK	59	34	66	27	47	0	1.53	0.22	1.53	0.00	0	34.43	73	90	37	0	4	1	1
CA	BAKERSFIELD	59	38	67	31	49	-1	0.00	-0.14	0.00	0.00	0	6.68	115	82	65	0	2	0	0
	FRESNO	57	39	64	32	48	0	0.02	-0.23	0.02	0.02	14	10.61	106	88	75	0	1	1	0
	LOS ANGELES	66	47	71	42	57	-2	0.00	-0.31	0.00	0.00	0	12.20	106	60	30	0	0	0	0
	REDDING	51	37	57	26	44	-3	0.17	-0.77	0.07	0.17	31	31.19	106	89	78	0	2	3	0
	SACRAMENTO	55	37	62	29	46	-3	0.36	-0.16	0.13	0.36	120	17.66	112	96	56	0	2	3	0
	SAN DIEGO	65	47	68	42	56	-3	0.05	-0.18	0.05	0.00	0	11.28	118	70	39	0	0	1	0
	SAN FRANCISCO	54	43	59	38	49	-3	0.02	-0.57	0.02	0.02	6	18.19	104	83	69	0	0	1	0
	STOCKTON	54	35	62	30	44	-4	0.26	-0.14	0.26	0.26	118	14.79	121	96	84	0	4	1	0
CO	ALAMOSA	45	2	62	-8	23	1	0.00	-0.08	0.00	0.00	0	5.61	80	76	35	0	7	0	0
	CO SPRINGS	49	22	70	5	35	3	0.01	-0.05	0.01	0.00	0	9.30	55	70	25	0	7	1	0
	DENVER INTL	51	20	69	8	36	4	0.01	-0.07	0.01	0.01	25	12.65	95	76	22	0	7	1	0
	GRAND JUNCTION	42	23	51	15	33	0	0.03	-0.08	0.03	0.00	0	8.17	96	78	53	0	7	1	0
	PUEBLO	54	15	75	1	34	0	0.09	0.01	0.08	0.00	0	11.18	93	70	42	0	7	2	0
CT	BRIDGEPORT	47	32	59	27	40	-1	1.22	0.43	1.15	1.15	261	43.00	105	76	55	0	5	2	1
	HARTFORD	47	27	59	22	37	0	1.47	0.61	1.43	1.43	298	39.64	92	80	51	0	6	2	1
DC	WASHINGTON	51	35	65	31	43	-2	0.82	0.14	0.79	0.79	203	33.80	92	76	47	0	3	2	1
DE	WILMINGTON	49	31	60	26	40	-1	0.95	0.18	0.84	0.84	191	42.47	107	84	48	0	5	2	1
FL	DAYTONA BEACH	71	48	82	38	60	-4	0.08	-0.53	0.03	0.04	11	39.04	83	86	42	0	0	3	0
	JACKSONVILLE	71	41	84	27	56	-2	0.06	-0.49	0.03	0.03	10	33.10	66	90	42	0	2	2	0
	KEY WEST	75	67	81	59	71	-3	0.04	-0.42	0.04	0.00	0	38.74	105	85	67	0	0	1	0
	MIAMI	80	63	85	52	71	-1	0.05	-0.53	0.05	0.00	0	63.82	113	83	51	0	0	1	0
	ORLANDO	73	50	85	37	61	-5	0.07	-0.48	0.06	0.01	3	44.95	97	89	53	0	0	2	0
	PENSACOLA	66	42	76	34	54	-3	1.47	0.53	1.01	0.00	0	61.54	101	87	53	0	0	2	1
	TALLAHASSEE	67	37	75	27	52	-5	0.79	-0.08	0.71	0.00	0	57.20	96	89	60	0	4	2	1
	TAMPA	74	52	86	41	63	-3	0.00	-0.49	0.00	0.00	0	39.80	93	80	41	0	0	0	0
	WEST PALM BEACH	78	59	83	48	69	-2	0.18	-0.88	0.15	0.00	0	52.11	89	84	60	0	0	2	0
GA	ATHENS	55	34	69	27	45	-4	2.31	1.50	2.23	0.03	7	45.25	102	76	52	0	3	3	1
	ATLANTA	55	35	70	28	45	-4	2.71	1.77	2.25	0.00	0	46.52	99	76	55	0	3	2	1
	AUGUSTA	63	34	77	23	48	-3	0.49	-0.07	0.40	0.40	125	27.93	67	82	53	0	5	2	0
	COLUMBUS	61	36	75	30	49	-4	2.25	1.23	2.06	0.00	0	35.83	80	92	44	0	3	2	1
	MACON	62	35	77	27	49	-2	1.30	0.49	1.01	0.00	0	43.06	104	95	44	0	4	2	1
	SAVANNAH	67	38	77	26	53	-2	0.15	-0.35	0.09	0.06	21	34.79	74	86	58	0	4	2	0
HI	HILO	80	66	82	64	73	0	5.44	2.09	2.95	5.07	273	60.58	52	90	80	0	0	5	2
	HONOLULU	84	71	86	69	77	1	0.41	-0.14	0.31	0.32	100	6.04	38	80	69	0	0	3	0
	KAHULUI	83	68	85	63	75	0	0.21	-0.35	0.21	0.21	64	6.15	38	78	73	0	0	1	0
	LIHUE	78	71	79	68	74	-1	1.47	0.40	0.98	1.10	180	15.81	45	86	78	0	0	5	1
ID	BOISE	34	25	36	13	29	-5	0.95	0.62	0.44	0.68	358	12.40	113	93	78	0	7	6	0
	LEWISTON	38	29	44	24	34	-2	0.35	0.10	0.29	0.35	250	13.05	110	85	76	0	6	2	0
	POCATELLO	31	16	46	-3	24	-5	0.76	0.51	0.42	0.34	243	9.51	82	90	84	0	7	5	0
IL	CHICAGO/O'HARE	38	24	49	18	31	-2	1.02	0.37	0.51	0.49	132	35.76	105	83	67	0	6	3	1
	MOLINE	38	24	50	16	31	-2	0.61	0.04	0.28	0.32	100	43.82	121	81	70	0	6	4	0
	PEORIA	37	25	49	19	31	-3	0.76	0.08	0.59	0.17	44	40.54	119	89	68	0	6	3	1
	ROCKFORD	38	24	49	17	31	0	0.78	0.21	0.40	0.38	115	35.73	102	76	62	0	6	3	0
	SPRINGFIELD	41	29	50	24	35	-1	0.64	-0.02	0.64	0.00	0	45.30	136	88	65	0	6	1	1
IN	EVANSVILLE	46	28	57	22	37	-4	2.24	1.25	2.06	0.13	23	31.14	75	83	59	0	6	3	1
	FORT WAYNE	39	24	55	19	32	-3	0.51	-0.18	0.25	0.08	21	32.13	94	87	66	0	7	4	0
	INDIANAPOLIS	42	26	57	23	34	-4	1.12	0.31	0.75	0.28	61	32.26	84	88	61	0	7	5	1
	SOUTH BEND	38	24	53	19	31	-3	0.62	-0.17	0.48	0.07	16	29.43	79	83	70	0	7	3	0
IA	BURLINGTON	38	25	53	19	32	-2	0.26	-0.33	0.26	0.00	0	52.60	145	91	64	0	6	1	0
	CEDAR RAPIDS	35	21	51	14	28	-2	0.42	-0.04	0.36	0.00	0	39.74	123	91	68	0	6	1	0
	DES MOINES	40	23	58	15	31	0	0.11	-0.27	0.11	0.00	0	51.04	152	76	57	0	7	1	0
	DUBUQUE	34	20	47	13	27	-2	1.00	0.50	0.36	0.68	243	44.40	130	87	75	0	6	3	0
	SIOUX CITY	37	19	56	11	28	0	0.02	-0.19	0.02	0.00	0	31.09	122	79	63	0	7	1	0
	WATERLOO	33	19	51	8	26	-2	0.33	-0.04	0.26	0.07	35	41.03	127	89	70	0	7	3	0
KS	CONCORDIA	47	24	57	12	35	0	0.00	-0.25	0.00	0.00	0	31.83	115	77	55	0	6	0	0
	DODGE CITY	51	24	61	16	37	0	0.00	-0.17	0.00	0.00	0	24.92	115	69	30	0	7	0	0
	GOODLAND	51	21	68	13	36	3	0.01	-0.09	0.01	0.00	0	19.32	99	74	40	0	7	1	0
	TOPEKA	51	25	63	18	38	1	0.00	-0.43	0.00	0.00	0	36.31	105	68	47	0	6	0	0

Based on 1971-2000 normals

***** Not Available**

Weather Data for the Week Ending December 4, 2010

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 DEC 1	PCT. NORMAL SINCE DEC 1	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	52	27	62	19	40	2	0.00	-0.35	0.00	0.00	0	28.06	96	73	47	0	6	0	0
KY	JACKSON	44	28	61	23	36	-7	3.08	2.03	2.49	0.50	83	42.78	94	90	61	0	6	4	1
	LEXINGTON	43	27	60	22	35	-6	1.86	0.96	1.41	0.37	71	35.93	85	81	65	0	6	4	1
	LOUISVILLE	46	30	64	27	38	-5	1.76	0.84	0.93	0.29	56	37.13	90	85	59	0	5	4	2
	PADUCAH	50	29	57	22	39	-3	1.47	0.31	1.45	0.00	0	34.41	76	87	49	0	4	2	1
LA	BATON ROUGE	70	39	80	31	54	-1	0.17	-0.99	0.16	0.00	0	50.65	87	98	47	0	2	2	0
	LAKE CHARLES	70	43	77	31	57	1	0.93	-0.14	0.92	0.00	0	32.60	61	93	52	0	1	2	1
	NEW ORLEANS	70	45	80	32	57	-1	0.68	-0.61	0.59	0.00	0	51.76	87	85	58	0	1	2	1
	SHREVEPORT	66	38	73	29	52	0	1.01	-0.05	0.97	0.00	0	30.34	64	86	37	0	2	2	1
ME	CARIBOU	38	25	44	12	32	8	1.57	0.85	0.86	1.57	383	40.00	115	94	77	0	4	3	1
	PORTLAND	45	26	50	20	36	2	1.03	0.01	0.77	0.99	171	49.59	118	92	59	0	6	7	1
MD	BALTIMORE	50	30	62	25	40	-1	0.99	0.25	0.80	0.80	186	42.31	108	82	60	0	6	2	1
MA	BOSTON	47	34	56	28	41	0	0.38	-0.49	0.38	0.38	78	46.44	118	74	53	0	2	1	0
	WORCESTER	42	28	55	22	35	0	1.20	0.31	1.17	1.17	234	47.43	104	86	59	0	6	2	1
MI	ALPENA	38	25	52	21	32	2	0.40	-0.03	0.28	0.12	50	25.19	94	88	68	0	6	3	0
	GRAND RAPIDS	39	27	54	24	34	1	0.85	0.07	0.47	0.18	41	34.16	98	84	61	0	7	4	0
	HOUGHTON LAKE	35	25	49	21	30	0	0.64	0.20	0.61	0.03	12	24.40	91	86	77	0	7	4	1
	LANSING	38	26	55	23	32	-1	0.39	-0.22	0.28	0.02	6	26.11	88	83	68	0	7	4	0
	MUSKEGON	39	28	51	24	34	0	0.85	0.15	0.38	0.17	43	28.97	95	80	66	0	6	3	0
	TRAVERSE CITY	38	28	50	24	33	1	0.26	-0.32	0.19	0.06	18	28.94	93	89	64	0	6	5	0
MN	DULUTH	26	12	38	-7	19	-2	0.57	0.20	0.34	0.00	0	34.02	112	87	76	0	7	2	0
	INT'L FALLS	24	9	36	-5	16	0	0.51	0.29	0.41	0.02	17	31.30	134	90	79	0	7	3	0
	MINNEAPOLIS	30	18	45	10	24	-2	1.14	0.83	0.59	0.52	306	30.64	107	82	69	0	6	4	1
	ROCHESTER	29	16	47	7	23	-1	1.04	0.69	0.41	0.72	379	36.89	121	88	76	0	7	3	0
	ST. CLOUD	27	13	43	1	20	-2	0.69	0.48	0.35	0.42	382	31.76	120	90	69	0	6	4	0
MS	JACKSON	65	37	73	29	51	0	1.67	0.44	1.11	0.00	0	43.34	84	92	43	0	3	2	2
	MERIDIAN	65	32	71	27	48	-5	1.02	-0.22	0.86	0.00	0	40.46	75	96	66	0	4	2	1
	TUPELO	60	33	66	28	47	0	2.46	1.10	1.50	0.00	0	45.75	91	88	74	0	4	2	2
MO	COLUMBIA	45	27	58	21	36	-1	0.19	-0.56	0.19	0.00	0	43.60	114	81	49	0	5	1	0
	KANSAS CITY	47	25	62	16	36	-1	0.00	-0.48	0.00	0.00	0	41.40	113	74	43	0	6	0	0
	SAINT LOUIS	45	30	54	26	37	-3	0.50	-0.34	0.50	0.00	0	37.75	104	75	57	0	5	1	1
	SPRINGFIELD	48	26	59	21	37	-4	0.09	-0.94	0.09	0.00	0	45.39	107	77	54	0	6	1	0
MT	BILLINGS	31	20	36	9	25	-4	0.60	0.46	0.46	0.14	175	17.95	127	89	68	0	7	2	0
	BUTTE	28	3	39	-12	15	-6	0.18	0.07	0.13	0.18	300	14.92	121	90	62	0	7	2	0
	CUT BANK	29	10	39	-7	19	-6	0.00	-0.07	0.00	0.00	0	7.25	59	87	67	0	7	0	0
	GLASGOW	22	11	28	1	16	-5	0.19	0.13	0.10	0.11	367	18.41	169	92	82	0	7	3	0
	GREAT FALLS	31	14	40	-5	22	-6	0.62	0.51	0.32	0.29	483	18.10	127	93	69	0	7	4	0
	HAVRE	21	6	35	-5	14	-10	0.10	0.02	0.07	0.02	40	13.80	125	89	83	0	7	2	0
	MISSOULA	30	16	34	7	23	-4	0.37	0.15	0.18	0.21	162	14.93	117	94	81	0	7	4	0
NE	GRAND ISLAND	44	20	53	9	32	2	0.00	-0.24	0.00	0.00	0	29.06	115	74	49	0	6	0	0
	LINCOLN	42	20	58	12	31	-1	0.00	-0.28	0.00	0.00	0	33.83	122	76	58	0	6	0	0
	NORFOLK	37	19	55	5	28	-1	0.15	-0.09	0.15	0.00	0	28.92	111	79	61	0	7	1	0
	NORTH PLATTE	45	17	64	9	31	2	0.04	-0.06	0.04	0.00	0	22.75	118	83	41	0	7	1	0
	OMAHA	40	24	56	17	32	1	0.24	-0.09	0.24	0.00	0	34.43	117	74	60	0	6	1	0
	SCOTTSBLUFF	45	20	60	10	32	3	0.00	-0.15	0.00	0.00	0	15.33	97	82	56	0	7	0	0
	VALENTINE	39	14	56	-2	27	-1	0.02	-0.09	0.01	0.00	0	16.84	87	80	60	0	7	2	0
NV	ELY	40	15	49	-6	27	-2	0.01	-0.07	0.01	0.00	0	7.85	82	80	57	0	7	1	0
	LAS VEGAS	56	39	63	31	47	-3	0.00	-0.06	0.00	0.00	0	4.12	100	37	20	0	1	0	0
	RENO	47	27	59	15	37	1	0.01	-0.18	0.01	0.01	9	7.87	117	74	59	0	5	1	0
	WINNEMUCCA	36	16	44	-3	26	-7	0.25	0.08	0.20	0.22	244	10.20	134	87	77	0	5	4	0
NH	CONCORD	44	24	52	17	34	2	1.06	0.32	1.00	1.00	238	35.38	101	89	55	0	6	2	1
NJ	NEWARK	50	33	62	30	42	0	1.13	0.25	1.07	1.07	214	40.66	94	75	54	0	3	2	1
NM	ALBUQUERQUE	51	27	59	18	39	-1	0.00	-0.08	0.00	0.00	0	7.89	87	50	22	0	6	0	0
NY	ALBANY	45	26	64	18	35	1	1.97	1.28	1.39	1.39	356	36.30	101	85	57	0	6	2	2
	BINGHAMTON	40	25	57	21	33	0	1.55	0.77	1.08	1.14	259	37.40	104	87	71	0	6	3	1
	BUFFALO	42	28	56	24	35	0	1.93	0.99	1.09	1.19	220	35.34	95	88	64	0	6	3	2
	ROCHESTER	43	27	58	22	35	0	1.83	1.17	1.38	1.38	363	36.25	115	89	68	0	6	2	1
	SYRACUSE	45	28	63	24	37	3	1.68	0.81	1.36	1.41	288	40.46	108	87	63	0	5	4	1
NC	ASHEVILLE	47	29	63	23	38	-5	4.72	3.89	4.11	0.10	22	43.16	98	82	60	0	6	4	2
	CHARLOTTE	54	31	68	23	42	-6	1.39	0.69	0.83	0.54	138	35.51	87	85	46	0	4	4	1
	GREENSBORO	52	31	66	26	41	-4	1.05	0.36	0.69	0.92	236	41.48	103	79	46	0	5	3	1
	HATTERAS	59	46	73	38	52	-2	0.60	-0.36	0.36	0.59	109	58.52	109	80	51	0	0	3	0
	RALEIGH	55	32	72	26	44	-3	0.57	-0.09	0.28	0.55	149	35.14	87	82	51	0	5	3	0
	WILMINGTON	59	36	74	29	47	-6	1.61	0.78	0.84	0.77	164	56.22	105	96	44	0	4	3	2
ND	BISMARCK	22	11	28	3	17	-4	1.12	1.01	0.51	1.06	1767	22.77	138	91	79	0	7	4	2
	DICKINSON	23	8	31	0	15	-8	0.14	0.06	0.12	0.12	240	14.80	92	92	79	0	7	2	0
	FARGO	20	4	40	-6	12	-7	0.26	0.13	0.18	0.20	286	27.81	134	84	73	0	7	4	0
	GRAND FORKS	18	2	30	-10	10	-8	0.09	-0.04	0.04	0.05	71	27.11	142	97	78	0	7	4	0
	JAMESTOWN	18	4	32	-6	11	-9	0.15	0.06	0.15	0.15	300	23.47	130	90	76	0	7	1	0
	WILLISTON	23	8	28	-4	15	-4	0.23	0.09	0.09	0.09	113	19.37	142	87	78	0	7	3	0
OH	AKRON-CANTON	39	24	56	17	32	-4	1.76	1.02	1.50	0.25	58	36.25	101	84	66	0	6	4	1
	CINCINNATI	42	27	59	21	35	-5	2.02	1.24	1.52	0.23	52	35.14	88	87	68	0	7	3	1
	CLEVELAND	40	26	57	20	33	-4	1.23	0.40	1.15	0.08	17	34.15	95	82	63	0	6	4	1
	COLUMBUS	43	27	56	20	35	-4	1.42	0.66	1.31	0.03	7	35.07	97	80	63	0	6	4	1
	DAYTON	40	26	55	21	33	-4	1.77	1.01	1.23	0.14	33	32.29	87	83	59	0	7	3	1
	MANSFIELD	38	23	55	18	31	-4	1.17	0.30	1.11	0.04	8	37.28	92	85	61	0	7	4	1

Based on 1971-2000 normals

***** Not Available**

Weather Data for the Week Ending December 4, 2010

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 DEC 1	PCT. NORMAL SINCE DEC 1	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	39	24	57	17	32	-3	0.54	-0.12	0.49	0.00	0	33.17	107	82	62	0	7	2	0
	YOUNGSTOWN	38	26	54	21	32	-4	2.13	1.36	1.55	0.58	132	35.67	100	86	69	0	6	5	1
OK	OKLAHOMA CITY	58	31	70	22	45	1	0.00	-0.43	0.00	0.00	0	32.42	95	69	29	0	4	0	0
	TULSA	57	29	67	22	43	-1	0.08	-0.65	0.08	0.00	0	33.93	84	70	38	0	6	1	0
OR	ASTORIA	47	36	51	30	42	-2	1.93	-0.66	1.05	0.35	24	68.68	118	94	85	0	1	6	1
	BURNS	32	12	37	-9	22	-6	1.03	0.75	0.42	0.73	456	12.16	129	92	84	0	7	5	0
	EUGENE	47	36	53	28	42	0	1.14	-0.99	0.66	0.38	32	38.96	89	91	84	0	2	5	1
	MEDFORD	47	35	54	26	41	1	1.06	0.32	0.73	0.95	226	17.93	113	96	76	0	2	4	1
	PENDLETON	38	25	51	13	32	-5	1.05	0.68	0.59	0.42	210	16.11	140	94	86	0	7	5	1
	PORTLAND	46	38	49	35	42	-1	1.10	-0.31	0.72	0.21	26	38.18	119	90	82	0	0	5	1
	SALEM	48	37	50	29	43	1	1.72	0.10	1.14	0.41	44	39.85	116	92	82	0	1	4	1
PA	ALLENTOWN	47	27	64	20	37	0	0.57	-0.27	0.35	0.22	47	47.99	114	85	61	0	5	2	0
	ERIE	41	30	56	27	36	-2	1.76	0.82	1.06	0.70	130	39.69	100	79	64	0	5	4	2
	MIDDLETOWN	47	31	62	22	39	0	1.43	0.59	1.07	1.07	223	38.54	102	83	52	0	4	2	1
	PHILADELPHIA	50	34	65	30	42	-1	1.09	0.33	1.03	1.03	240	42.32	108	74	51	0	4	2	1
	PITTSBURGH	41	26	53	19	33	-5	3.60	2.87	3.07	0.53	129	36.81	104	87	62	0	6	3	2
	WILKES-BARRE	44	28	62	23	36	-1	0.30	-0.40	0.00	0.23	59	30.14	85	80	59	0	6	3	0
	WILLIAMSPORT	45	27	61	21	36	0	3.89	3.07	2.71	2.71	589	41.99	107	89	67	0	6	2	2
RI	PROVIDENCE	46	31	58	27	39	0	0.62	-0.36	0.62	0.62	111	50.11	117	77	52	0	4	1	1
SC	BEAUFORT	65	42	72	33	53	-2	0.19	-0.38	0.16	0.03	9	36.35	77	83	44	0	0	2	0
	CHARLESTON	65	40	74	28	52	-2	0.12	-0.51	0.12	0.00	0	55.09	113	87	48	0	2	1	0
	COLUMBIA	60	36	73	27	48	-3	0.47	-0.16	0.39	0.42	117	34.50	76	75	54	0	3	4	0
	GREENVILLE	52	32	67	26	42	-5	2.89	2.05	2.65	0.03	6	41.62	89	88	50	0	4	4	1
SD	ABERDEEN	26	9	47	-1	17	-5	0.24	0.17	0.21	0.21	525	25.69	129	84	69	0	7	2	0
	HURON	29	11	48	2	20	-5	0.05	-0.06	0.03	0.03	50	29.53	144	90	64	0	7	3	0
	RAPID CITY	34	16	43	6	25	-3	0.09	0.03	0.09	0.00	0	18.64	115	90	61	0	7	1	0
	SIOUX FALLS	32	16	51	6	24	0	0.03	-0.16	0.02	0.01	10	36.74	151	82	67	0	6	2	0
TN	BRISTOL	51	29	66	21	40	-1	2.48	1.68	1.90	0.37	80	35.22	92	87	52	0	6	4	1
	CHATTANOOGA	53	32	63	28	43	-3	3.69	2.50	2.56	0.01	1	40.50	80	84	66	0	4	3	2
	KNOXVILLE	51	31	63	26	41	-4	2.92	1.90	2.02	0.24	41	43.71	99	88	56	0	5	4	2
	MEMPHIS	59	36	63	30	47	-1	1.17	-0.33	1.16	0.00	0	45.39	91	82	43	0	3	2	1
	NASHVILLE	54	30	64	24	42	-3	2.24	1.11	1.68	0.00	0	57.20	129	85	46	0	4	2	2
TX	ABILENE	65	37	79	25	51	2	2.22	2.00	2.22	0.00	0	30.63	135	56	28	0	1	1	1
	AMARILLO	58	26	75	19	42	2	0.00	-0.08	0.00	0.00	0	26.35	138	57	21	0	6	0	0
	AUSTIN	73	38	80	23	55	0	0.01	-0.51	0.01	0.00	0	27.71	88	75	51	0	3	1	0
	BEAUMONT	71	45	79	29	58	1	0.86	-0.27	0.85	0.00	0	41.48	75	97	49	0	1	2	1
	BROWNSVILLE	79	52	85	39	65	1	0.01	-0.29	0.01	0.00	0	36.56	137	79	50	0	0	1	0
	CORPUS CHRISTI	77	46	86	32	62	1	0.00	-0.34	0.00	0.00	0	43.30	141	80	60	0	1	0	0
	DEL RIO	72	36	81	26	54	-2	0.00	-0.17	0.00	0.00	0	29.77	169	66	29	0	3	0	0
	EL PASO	61	29	69	20	45	-3	0.00	-0.13	0.00	0.00	0	6.51	74	42	12	0	5	0	0
	FORT WORTH	66	40	75	32	53	3	0.05	-0.46	0.05	0.00	0	29.62	91	74	26	0	1	1	0
	GALVESTON	70	55	75	43	62	1	0.53	-0.32	0.40	0.00	0	30.17	74	92	55	0	0	2	0
	HOUSTON	73	45	81	32	59	2	0.09	-0.79	0.09	0.00	0	39.73	89	83	48	0	1	1	0
	LUBBOCK	64	29	82	20	47	4	0.00	-0.14	0.00	0.00	0	26.46	146	49	21	0	5	0	0
	MIDLAND	65	31	79	19	48	0	0.00	-0.11	0.00	0.00	0	16.06	113	47	24	0	3	0	0
	SAN ANGELO	69	35	81	23	52	3	0.00	-0.19	0.00	0.00	0	19.13	95	62	26	0	2	0	0
	SAN ANTONIO	73	44	81	29	58	2	0.00	-0.46	0.00	0.00	0	36.73	118	81	30	0	1	0	0
	VICTORIA	75	44	84	30	59	0	0.06	-0.49	0.06	0.00	0	45.55	120	86	66	0	1	1	0
	WACO	71	39	77	26	55	3	0.01	-0.60	0.01	0.00	0	39.33	127	73	35	0	2	1	0
	WICHITA FALLS	63	31	78	23	47	0	0.00	-0.34	0.00	0.00	0	28.85	106	60	28	0	3	0	0
UT	SALT LAKE CITY	32	21	38	9	27	-7	0.54	0.26	0.43	0.02	13	15.60	101	94	73	0	7	3	0
VT	BURLINGTON	41	28	57	19	35	3	1.39	0.77	0.79	0.81	231	38.01	111	89	62	0	6	3	2
VA	LYNCHBURG	49	26	64	20	38	-4	1.50	0.77	1.23	1.28	312	44.84	111	88	54	0	6	3	1
	NORFOLK	54	37	70	32	45	-4	0.26	-0.37	0.04	0.26	72	48.37	112	85	49	0	2	2	0
	RICHMOND	53	32	67	26	43	-2	1.34	0.68	1.32	1.33	350	33.98	83	85	50	0	4	3	1
	ROANOKE	48	29	61	22	39	-4	2.88	2.18	2.01	0.87	218	42.67	107	78	59	0	6	3	2
	WASH/DULLES	49	28	64	22	39	-2	0.83	0.10	0.74	0.74	180	38.31	98	82	59	0	6	2	1
WA	OLYMPIA	45	34	47	31	40	0	0.70	-1.29	0.44	0.09	8	46.17	105	96	88	0	4	5	0
	QUILLAYUTE	46	35	48	29	41	-1	2.60	-0.94	1.82	0.26	13	97.74	110	96	90	0	2	6	2
	SEATTLE-TACOMA	46	37	49	34	41	-1	0.76	-0.67	0.67	0.00	0	38.34	119	92	82	0	0	3	1
	SPOKANE	31	22	35	16	26	-4	0.83	0.26	0.47	0.36	113	16.14	109	98	90	0	7	3	0
	YAKIMA	32	25	38	19	29	-3	0.06	-0.22	0.06	0.00	0	8.79	125	92	83	0	7	1	0
WV	BECKLEY	42	27	58	20	35	-4	2.41	1.71	1.90	0.47	121	41.66	107	84	67	0	6	6	1
	CHARLESTON	47	31	65	25	39	-3	2.88	2.02	2.46	0.38	79	42.82	104	86	59	0	6	6	1
	ELKINS	44	25	62	15	35	-2	1.89	1.06	0.81	1.08	230	38.84	90	91	56	0	6	3	2
	HUNTINGTON	44	28	61	24	36	-6	2.49	1.71	2.26	0.13	30	42.85	109	92	63	0	6	4	1
WI	EAU CLAIRE	31	17	46	8	24	-1	0.17	-0.17	0.09	0.08	42	33.85	108	92	67	0	6	3	0
	GREEN BAY	35	23	48	17	29	1	0.31	-0.13	0.18	0.00	0	36.21	129	86	67	0	6	2	0
	LA CROSSE	34	20	51	8	27	-2	0.70	0.29	0.25	0.45	205	40.85	130	90	63	0	6	3	0
	MADISON	36	21	48	11	28	-1	0.44	-0.04	0.26	0.28	104	36.63	116	83	68	0	6	4	0
	MILWAUKEE	38	25	49	17	31	-2	0.70	0.10	0.30	0.30	88	34.71	105	81	64	0	6	3	0
WY	CASPER	36	18	46	8	27	0	0.09	-0.06	0.06	0.06	75	11.42	91	75	52	0	7	3	0
	CHEYENNE	40	24	51	14	32	3	0.01	-0.12	0.01	0.01	14	15.37	102	71	42	0	6	1	0
	LANDER	37	15	51	2	26	1	0.38	0.21	0.21	0.00	0	13.69	106	88	54	0	7	2	0
	SHERIDAN	32	12	40	-1	22	-4	0.12	-0.02	0.09	0.02	25	14.16	100	84	74	0	7	3	0

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

National Agricultural Summary

November 29 – December 5, 2010

Weekly National Agricultural Summary provided by USDA/NASS

With the exception of the Great Lakes region, New England, and much of the central and southern Rocky Mountains and Great Plains, below-average temperatures prevailed during the week. Most notably, temperatures averaged as much as 10 degrees F below average in portions of Montana and North Dakota. Much of the Southwest, Great Plains, and Four Corners States were abnormally dry, while precipitation was abundant throughout much of the eastern half of the country and across the nation's northern tier—with weekly totals reaching or surpassing 200 percent of normal.

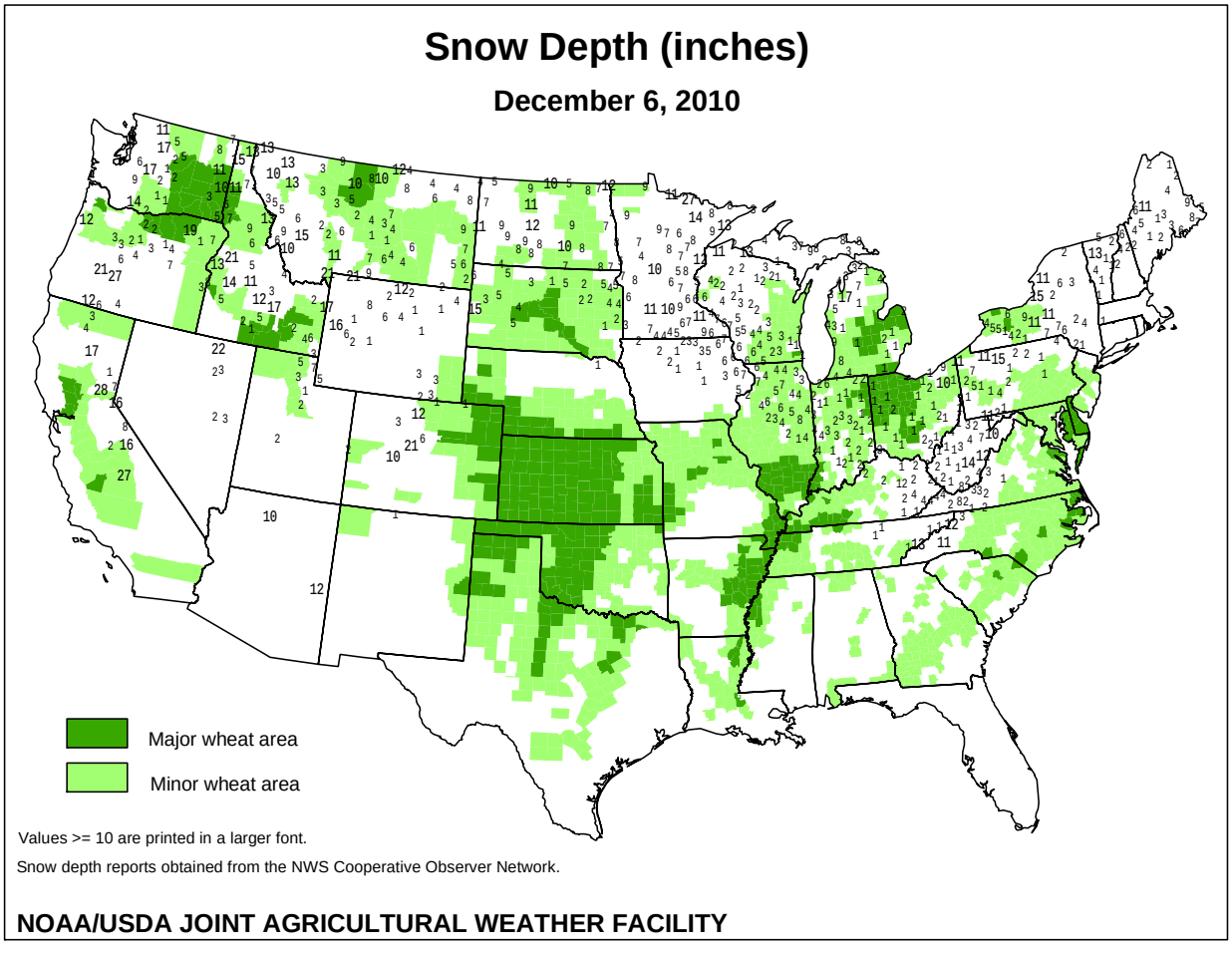
An early-season cold front brought unseasonably cold weather to Florida late in the week, with frosts and hard freezes evident as far south as the central Peninsula. Vegetable and strawberry producers covered plants with freeze cloths and ran overhead sprinklers for protection. Elsewhere, sugarcane harvest remained active in the Everglades, while cotton harvest neared completion in the Panhandle. In addition, moderate to extreme drought conditions persisted throughout most of the citrus-producing regions of Florida.

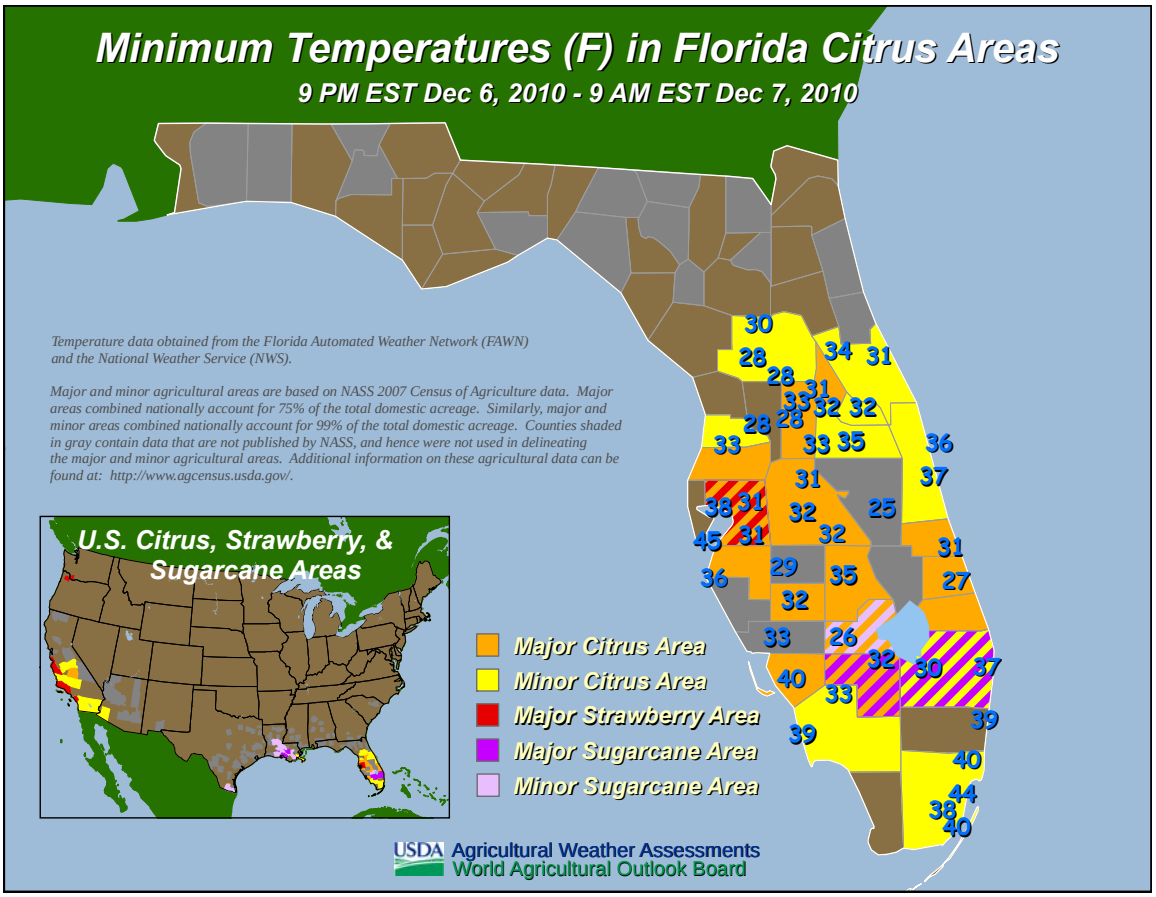
In Louisiana, the sugarcane harvest advanced ahead of both last year's and the 5-year average pace. Rice producers were busy preparing levees for next spring's seeding. Sweet potato producers finished harvesting their crop during the week, while vegetable growers continued to harvest greenhouse tomatoes and greens.

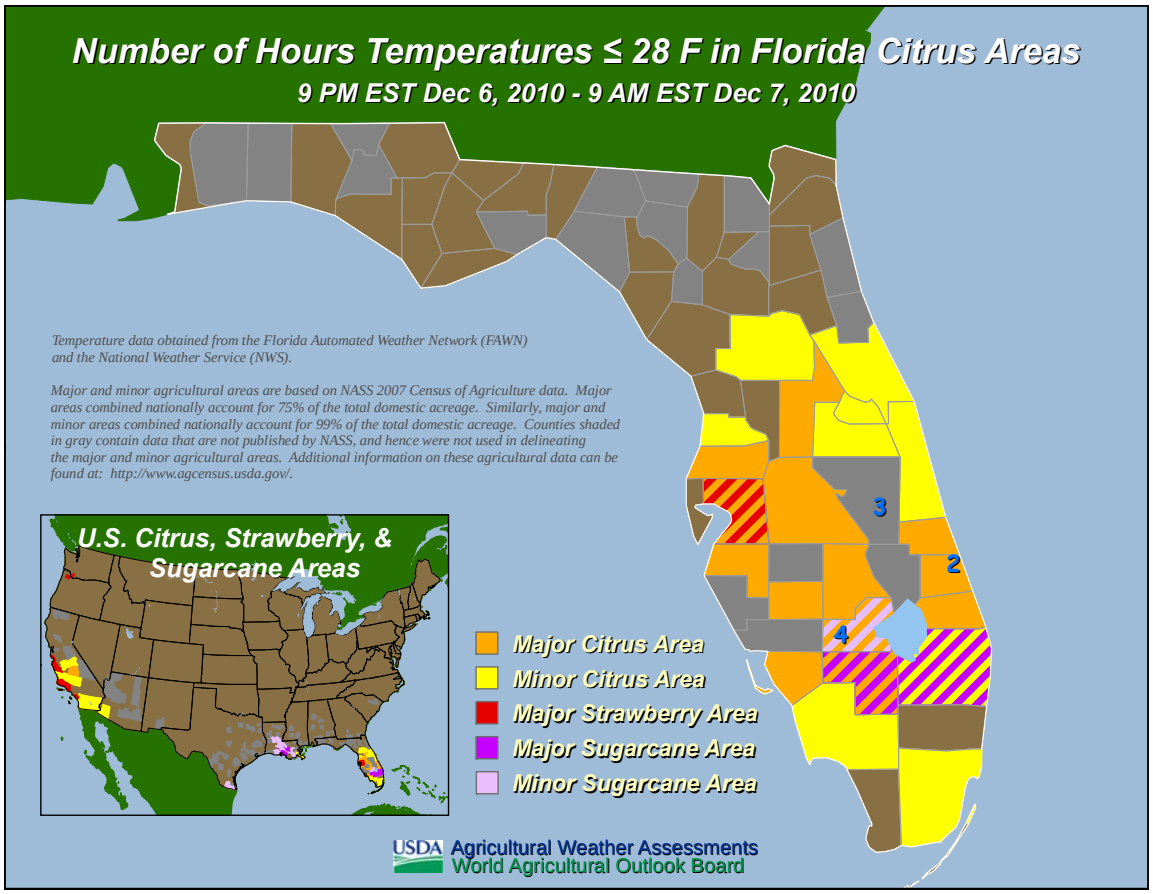
Despite a hard freeze blanketing much of Texas during the week, winter wheat continued to emerge on the High Plains. Irrigated fields were progressing well but dryland fields were in need of moisture. Fall-planted onions emerged in the Trans-Pecos, while spinach and cabbage harvest was active in South Texas. In the Lower Valley, producers were busy harvesting citrus crops, sugarcane, and vegetables.

Temperatures in Arizona were mostly below average and precipitation was limited during the week. Cotton harvest advanced to 68 percent complete, well behind both last year and the 5-year average. Alfalfa producers were busy, with harvest active on nearly two-thirds of the state's acreage. Vegetable growers in both central and western portions of the state shipped a variety of crops, including cabbage, cantaloupes, lettuce, and spinach.

Wet weather slowed fieldwork in California during the week, but helped to establish recently seeded small grain crops. As fields matured and conditions allowed, cotton producers continued to harvest their 2010 crop. Hay producers were busy planting new alfalfa fields for harvest next year. Orchard and vineyard producers spent the week pruning and performing routine maintenance as conditions allowed, following the week's storms.







More details on Florida's early-season cold outbreak will appear in next week's *Bulletin*.

International Weather and Crop Summary

November 28 - December 4, 2010

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

EUROPE: Unseasonably cold weather persisted over much of the continent, while heavy rain across southeastern Europe continued to hamper fieldwork and cause local flooding.

FSU-WESTERN: Colder weather ended the growing season in southern growing areas, while adequate snow cover protected northern winter grains and oilseeds from bitter cold.

MIDDLE EAST: Developing drought in Iran, Iraq, and southeastern Turkey further depleted soil moisture for winter grains.

NORTHWEST AFRICA: Locally heavy rain continued, maintaining favorable prospects for vegetative winter grains.

SOUTH ASIA: Wet weather continued in southern India, slowing rice harvesting, while mild weather benefited winter crop development in northern India.

EAST ASIA: Dry, mild conditions continued to promote winter crop development but necessitate increased irrigation.

SOUTHEAST ASIA: Wet weather returned to central Vietnam but had little effect on crops, while showers benefited rice establishment in Indonesia.

AUSTRALIA: Excessively wet weather continued to hamper winter grain harvesting in southern and eastern Australia and cause further declines in crop quality.

SOUTH AFRICA: Warmer, drier weather dominated the corn belt, prompting rapid germination and vegetative summer crop development.

ARGENTINA: Much-needed rain fell in previously dry sections of central Argentina, providing timely moisture for emerging summer grains and oilseeds.

BRAZIL: Rain intensified throughout central and southern Brazil, maintaining overall favorable conditions for soybeans and other crops.

November 2010

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE PREDICTION CENTER-NCEP-NWS-NOAA

*** DATA NOT AVAILABLE

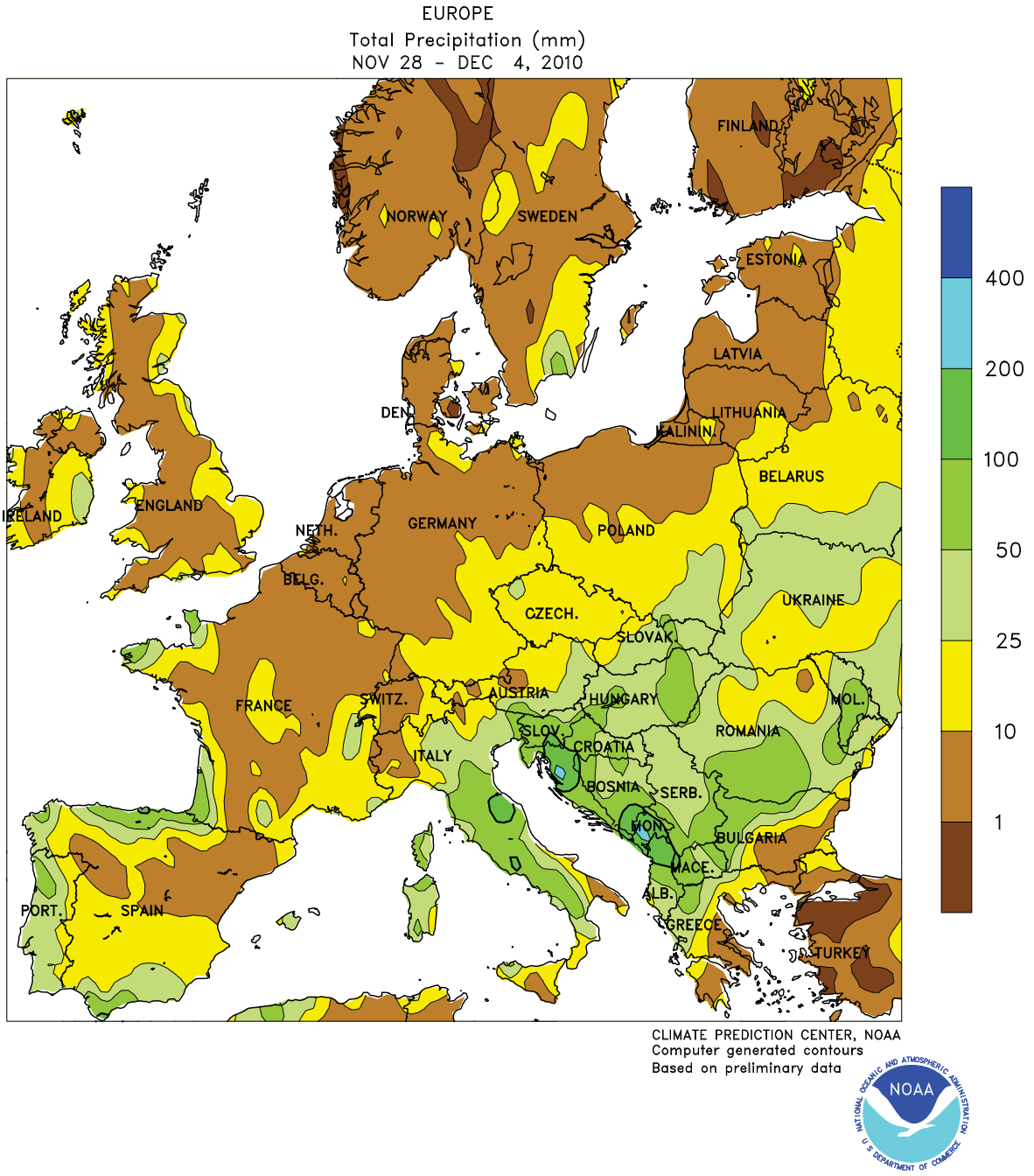
COUNTRY	CITY	TEMPERATURE (C)						PRECIPITATION (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	-2	-6	8	-15	-4	-3.4	34	-54
FINLAN	HELSINKI	0	-3	8	-19	-2	-1.7	45	-26
UKINGD	ABERDEEN	7	2	13	-4	4	-1.3	93	10
	LONDON	9	5	19	-5	7	-1.3	34	-16
IRELAN	DUBLIN	8	3	16	-8	5	-2	100	36
ICELAN	REYKJAVIK	***	***	7	-7	***	***	***	***
DENMAR	COPENHAGEN	6	3	13	-6	4	-0.6	62	17
LUXEMB	LUXEMBOURG	7	4	16	-4	5	1.2	81	3
SWITZE	ZURICH	8	4	18	-7	6	1.6	81	-8
	GENEVA	10	3	20	-9	7	1.3	90	5
FRANCE	PARIS/ORLY	9	5	18	-6	7	-0.2	79	30
	STRASBOURG	9	5	20	-4	7	1.9	66	18
	BOURGES	10	5	18	-5	8	1	62	0
	BORDEAUX	13	7	20	-1	10	0.8	215	111
	TOULOUSE	13	6	20	-3	9	0.6	65	15
	MARSEILLE	15	7	22	-2	11	0.6	83	33
SPAIN	VALLADOLID	11	3	19	-4	7	-0.7	33	-16
	MADRID	13	4	23	-4	9	-1.3	21	-30
	SEVILLE	18	10	26	5	14	-1.1	113	16
PORTUG	LISBON	17	11	23	6	14	0.3	118	17
GERMAN	HAMBURG	7	3	14	-9	5	-0.3	90	21
	BERLIN	7	4	19	-5	6	0.9	102	58
	DUSSELDORF	8	4	17	-7	6	-0.4	95	33
	LEIPZIG	7	4	19	-7	5	1	89	53
	DRESDEN	7	3	19	-5	5	0.9	94	50
	STUTTGART	8	3	19	-8	6	1.3	63	17
	NURNBERG	8	4	18	-4	6	1.7	65	21
	AUGSBURG	8	2	19	-15	5	1.3	62	10
AUSTRI	VIENNA	10	4	21	-2	7	2.7	25	-20
	INNSBRUCK	9	2	18	-9	5	2.3	67	1
CZECHR	PRAGUE	7	3	19	-9	5	2.2	57	27
POLAND	WARSAW	8	4	17	-10	6	3.3	109	73
	LODZ	8	4	18	-10	6	3.2	102	61
	KATOWICE	9	4	19	-9	7	3.4	67	18
HUNGAR	BUDAPEST	12	5	19	-2	8	3.8	75	26
YUGOSL	BELGRADE	17	9	24	2	13	6.2	45	-8
ROMANI	BUCHAREST	16	5	25	-2	11	6	18	-21
BULGAR	SOFIA	16	7	23	-1	11	6.9	29	-14
ITALY	MILAN	11	6	18	-3	8	1.2	233	157
	VERONA	13	7	19	-2	10	3	186	121
	VENICE	14	7	19	-3	10	2.6	35	-35
	ROME	18	10	26	4	14	1.5	282	186
	NAPLES	18	10	24	6	14	1.3	566	427
GREECE	THESSALONIKA	19	10	24	4	15	4	15	-44
GREECE	LARISSA	19	8	25	2	14	3.3	37	-34
	ATHENS	22	15	23	9	18	3.3	36	-32
TURKEY	ISTANBUL	19	12	26	8	16	4.4	26	-55
TURKEY	ANKARA	18	2	23	-2	10	4.6	23	-18
CYPRUS	LARNACA	26	14	28	11	20	3.3	0	-53
ESTONI	TALLINN	2	-1	9	-13	0	-0.5	109	40
RUSSIA	ST.PETERSBURG	2	-1	10	-17	0	0.4	117	63
LITHUA	KAUNAS	6	2	14	-12	4	2.1	56	9
BELARU	MINSK	6	3	13	-12	4	3.9	54	5
RUSSIA	KAZAN	2	0	9	-17	1	4.8	39	-7
RUSSIA	MOSCOW	4	1	14	-17	3	4.3	75	18
	YEKATERINBURG	-1	-5	11	-27	-3	3.2	57	28
	OMSK	-1	-5	8	-22	-3	4.8	54	25
KAZAKH	KUSTANAY	4	-2	13	-18	1	7.4	44	21
RUSSIA	BARNAUL	2	-3	15	-21	-1	6.2	80	51
RUSSIA	KHABAROVSK	-2	-8	7	-18	-5	2.3	37	14
	VLADIVOSTOK	2	-2	16	-11	0	1	70	44
UKRAIN	KIEV	11	6	22	-2	8	6.9	72	24
UKRAIN	LVOV	11	4	22	-7	7	5.3	42	-3
	KIROVOGRAD	13	6	21	0	10	8.4	32	-3
	ODESSA	15	10	23	1	12	7	30	-12
RUSSIA	SARATOV	7	2	15	-5	5	6.8	94	56
UKRAIN	KHARKOV	11	6	20	-1	8	7.4	42	-2
RUSSIA	VOLGOGRAD	10	3	19	-5	7	7	30	0
RUSSIA	ASTRAKHAN	13	6	20	-1	9	6.3	2	-16
	ORENBURG	6	0	13	-10	3	6.5	73	37

Based on Preliminary Reports

November 2010

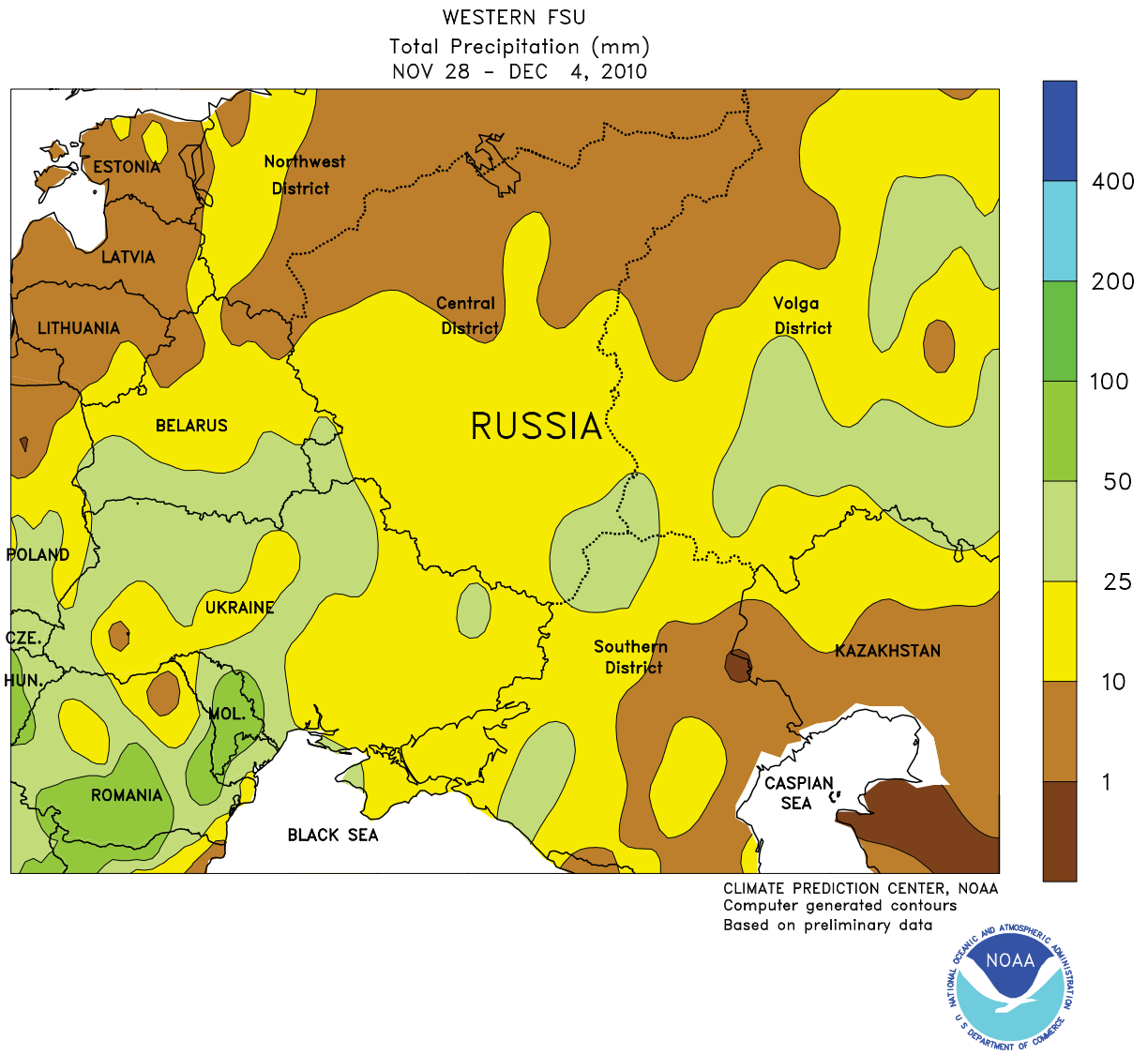
COUNTRY	CITY	TEMPERATURE (C)						PRECIPITATION (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
KAZAKH	TSELINOGRAD	3	-2	14	-16	1	7.0	40	14
KAZAKH	KARAGANDA	4	-3	17	-17	1	6.1	31	3
UZBEKI	TASHKENT	17	4	28	1	11	2.6	26	-22
TURKME	ASHKHABAD	20	5	27	0	12	2.6	6	-14
SYRIA	DAMASCUS	26	6	30	0	16	3.9	0	-23
PAKIST	KARACHI	33	18	36	12	25	1.3	0	***
INDIA	AMRITSAR	28	10	30	7	19	1.1	0	-7
INDIA	NEW DELHI	27	16	32	10	21	0.9	29	21
	AHMEDABAD	31	21	35	17	26	1.1	32	23
	INDORE	29	18	32	15	24	1.7	98	82
	CALCUTTA	31	21	34	15	26	1.9	0	-37
	VERAVAL	32	22	36	17	27	0.5	77	52
	BOMBAY	33	24	35	19	29	1.2	47	42
	POONA	30	20	32	14	25	2.6	51	24
	BEGAMPET	30	21	33	17	25	2.0	48	19
	VISHAKHAPATNAM	30	24	32	22	27	0.9	263	162
	MADRAS	31	24	33	21	27	1.1	268	-87
	MANGALORE	31	23	33	21	27	-0.5	249	183
HONGKO	HONG KONG INT	25	19	29	17	22	0.7	47	12
N KORE	PYONGYANG	9	0	17	-9	5	0.2	47	6
S KORE	SEOUL	11	3	17	-5	7	-0.2	11	-51
JAPAN	SAPPORO	9	3	17	-4	6	1.6	199	97
JAPAN	NAGOYA	17	8	20	4	13	0.7	67	-12
	TOKYO	17	10	22	7	14	0.7	99	6
	YOKOHAMA	17	10	21	6	14	0.5	100	1
	KYOTO	17	8	20	3	12	-0.2	32	-31
	OSAKA	17	10	21	6	14	0.2	53	-11
THAILA	PHITSANULOK	32	22	34	18	27	0.3	0	-33
THAILA	BANGKOK	33	25	35	21	29	1.0	31	-19
MALAYS	KUALA LUMPUR	33	25	36	24	29	2.6	254	-35
VIETNA	HANOI	26	19	30	16	23	0.2	1	-45
CHINA	HARBIN	0	-7	11	-20	-3	1.6	25	16
CHINA	HAMI	11	-4	17	-8	4	3.3	0	-2
	LANCHOW	***	***	4	4	***	***	***	***
	BEIJING	11	1	20	-5	6	1.4	0	-7
	TIENTSIN	12	1	21	-5	6	0.7	0	-9
	LHASA	15	-1	19	-4	7	3.3	0	-1
	KUNMING	17	8	21	5	13	0.6	39	-4
	CHENGCHOW	18	5	24	-1	12	3.5	2	-21
	YEHCHANG	20	10	27	6	15	2.5	17	-29
	HANKOW	19	7	25	3	13	0.8	15	-34
	CHUNGKING	18	13	24	10	15	0.9	58	10
	CHIHKIANG	18	9	26	5	14	1.2	32	-22
	WU HU	18	9	26	4	14	1.8	9	-49
	SHANGHAI	18	10	23	4	14	0.8	5	-48
	NANCHANG	19	12	25	8	16	2.2	19	-38
	TAIPEI	23	20	27	17	21	-0.1	130	57
	CANTON	26	16	29	12	21	1.2	2	-33
	NANNING	24	13	29	7	19	-0.6	10	-30
CANARY	LAS PALMAS	25	19	27	18	22	1.3	37	20
MOROCC	CASABLANCA	20	14	24	8	17	0.5	152	99
MOROCC	MARRAKECH	23	11	29	7	17	0.6	28	4
ALGERI	ALGER	19	11	24	5	15	0.2	118	36
ALGERI	BATNA	17	7	22	-2	12	1.1	28	11
TUNISI	TUNIS	21	13	27	11	17	1.5	52	-12
NIGER	NIAMEY	38	22	41	17	30	2.3	0	-1
MALI	TIMBUKTU	36	21	40	15	28	2.8	0	-1
MALI	BAMAKO	36	19	39	12	27	0.0	1	-4
MAURIT	NOUAKCHOTT	34	22	39	16	28	2.3	0	-2
SENEGA	DAKAR	31	24	36	20	28	2.1	0	-3
LIBYA	TRIPOLI	26	13	33	8	20	2.1	8	-41
LIBYA	BENGHAZI	25	15	33	11	20	2.5	66	24
EGYPT	CAIRO	27	17	33	14	22	2.8	0	-5
EGYPT	ASWAN	34	20	38	16	27	5.4	0	0
ETHIOP	ADDIS ABABA	21	9	26	5	15	-0.8	14	6
KENYA	NAIROBI	25	15	29	12	20	0.8	65	-50
TANZAN	DAR ES SALAAM	32	23	34	18	28	1.4	77	-39
GABON	LIBREVILLE	29	24	31	22	26	0.5	779	257
TOGO	LOME	33	25	35	22	29	1.8	103	81
BURKIN	OUAGADOUGOU	37	22	39	17	29	1.4	0	-3
COTE D	ABIDJAN	32	25	34	23	29	0.8	131	-1
MOZAMB	MAPUTO	***	***	40	18	***	***	142	68
ZAMBIA	LUSAKA	31	19	35	17	25	-0.3	68	-24
ZIMBAB	KADOMA	30	***	35	17	***	***	120	34
S AFRI	PRETORIA	29	17	37	14	23	2.1	91	-20
S AFRI	JOHANNESBURG	25	14	31	8	20	1.5	121	4
	BETHAL	25	13	32	9	19	1.2	122	-17
	DURBAN	26	19	33	14	23	1.0	47	-65
	CAPE TOWN	24	14	30	8	19	0.6	28	11
CANADA	TORONTO	9	0	17	-4	5	1.4	66	-3
CANADA	MONTREAL	6	-2	14	-9	2	0.8	96	5
	WINNIPEG	1	-8	14	-23	-3	1.8	32	10
	REGINA	-1	-12	19	-28	-6	-0.9	0	-13
	SASKATOON	-2	-11	16	-30	-6	-0.3	0	-13
	LETHBRIDGE	3	-11	23	-32	-4	-3.0	24	8
	CALGARY	1	-11	22	-31	-5	-1.8	21	9
	EDMONTON	0	-9	13	-28	-5	-0.8	7	-8
	VANCOUVER	8	2	16	-10	5	-0.9	143	-37
MEXICO	GUADALAJARA	24	14	28	6	19	1.7	0	-13
MEXICO	TLAXCALA	23	6	27	-1	14	-0.5	4	-14
	ORIZABA	22	14	30	5	18	0.5	84	8
BERMUD	ST GEORGES	23	20	26	17	21	-0.7	32	-58
BAHAMA	NASSAU	28	22	31	16	25	0.3	47	-20
CUBA	HAVANA	28	18	31	12	23	-1.4	74	-12
JAMAIC	KINGSTON	30	24	33	21	27	-0.5	59	-30
P RICO	SAN JUAN	29	24	32	21	27	0.1	203	47
GUADEL	RAIZET	30	23	31	21	27	0.4	82	-113
MARTIN	LAMENTIN	31	24	33	22	28	1.6	290	89
BARBAD	BRIDGETOWN	31	25	32	24	28	0.9	92	-40
TRINID	PORT OF SPAIN	32	24	34	23	28	1.3	389	191
COLOMB	BOGOTA	19	10	22	8	15	1.1	185	97
VENEZU	CARACAS	***	***	34	22	***	***	***	***
F GUIA	CAYENNE	32	23	34	21	27	1.0	134	-19
BRAZIL	FORTALEZA	30	25	31	24	28	-0.6	4	-21
BRAZIL	RECIFE	30	25	31	23	28	-1.0	5	-23
	CAMPO GRANDE	29	18	35	14	23	-2.2	136	-15
	FRANCA	26	18	31	15	22	-0.5	217	64
	RIO DE JANEIRO	28	22	35	19	25	-0.3	100	1
	LONDRINA	30	18	35	15	24	1.2	97	-72
	SANTA MARIA	28	15	37	8	21	-0.5	70	-53
	TORRES	24	17	28	12	20	-2.6	147	5
PERU	LIMA	21	16	23	15	19	-0.7	0	-1
BOLIVI	LA PAZ	18	2	20	-3	10	-0.1	3	-51
CHILE	SANTIAGO	27	10	34	6	18	1.4	7	2
ARGENT	IGUAZU	29	16	34	10	22	-1.5	95	-42
ARGENT	FORMOSA	30	16	38	10	23	-1.3	57	-112
	CERES	30	15	39	7	22	0.4	68	-34
	CORDOBA	28	14	38	7	21	0.1	52	-58
	RIO CUARTO	27	14	40	9	20	0.7	106	-27
	ROSARIO	28	13	36	7	21	0.1	26	-84
	BUENOS AIRES	26	13	35	5	19	0.3	38	-55
	SANTA ROSA	27	12	32	4	20	0.4	42	-54
	TRES ARROYOS	23	11	28	4	17	0.2	147	62
MARSHA	MAJURO	29	26	31	24	28	0.1	461	141
NEW CA	NOUMEA	27	21	32	19	24	0.4	55	-15
FIJI	NAUSORI	28	22	31	20	25	0.3	670	426
SAMOA	PAGO PAGO	30	25	31	22	27	-0.1	233	-51
TAHITI	PAPEETE	30	24	31	22	27	0.6	110	-21
PNEWGU	PORT MORESBY	31	27	33	25	29	2.0	62	8
NZEALA	AUCKLAND	20	13	24	8	17	***	17	***
NZEALA	WELLINGTON	18	12	23	7	15	***	21	***
AUSTRA	DARWIN	32	26	34	21	29	-0.1	426	292
AUSTRA	BRISBANE	25	21	27	14	23	0.6	113	6
	PERTH	30	14	41	7	22	3.0	8	-19
	CEDUNA	23	13	39	5	18	-0.8	11	-9
	ADELAIDE	22	13	34	6	18	-0.4	12	-9
	MELBOURNE	22	12	31	5	17	1.0	120	70
	WAGGA	25	13	32	5	19	1.2	60	19
	CANBERRA	22	10	28	4	16	0.3	132	66
INDONE	SERANG	32	24	33	23	28	0.0	193	43
PHILIP	MANILA	31	26	34	25	29	0.7	181	39

Based on Preliminary Reports



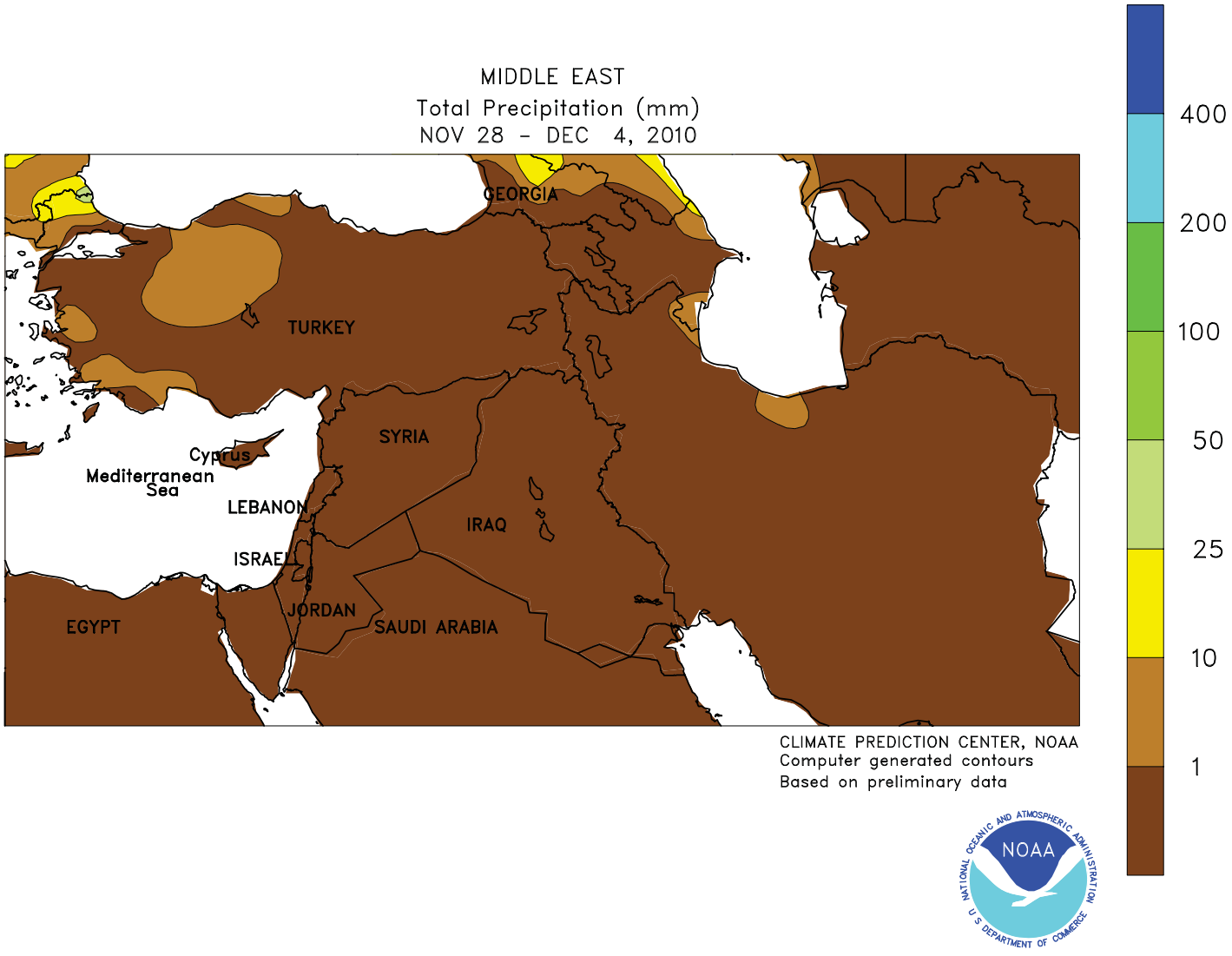
EUROPE

Unseasonably cold conditions prevailed over the much of the continent, although locally heavy precipitation persisted in southeastern Europe. The coldest air of the season (8-10 degrees C below normal) accompanied a series of slow-moving storms, with widespread snow reported across northern Europe's winter wheat belt. Temperatures dipped below -10 degrees C in northern France, while overnight lows plunged to -20 degrees C or colder in central and eastern Poland. Snow depths at week's end ranged from 2 to 5 cm in northern France to more than 25 cm in southeastern Poland, affording winter crops adequate protection from the bitter cold. Hard freezes (-8 to -4 degrees C) along with some snow were also reported in Spain, perhaps causing localized burnback to recently emerged winter wheat. The cold snap also accelerated winter crops into dormancy from England and France into Slovakia and northern Hungary. Meanwhile, heavy rain (25-175 mm) caused flooding and fieldwork delays from Italy into the Balkans. Nevertheless, spring runoff prospects in northern Italy continued to improve due to abundant snowfall in the Alps.



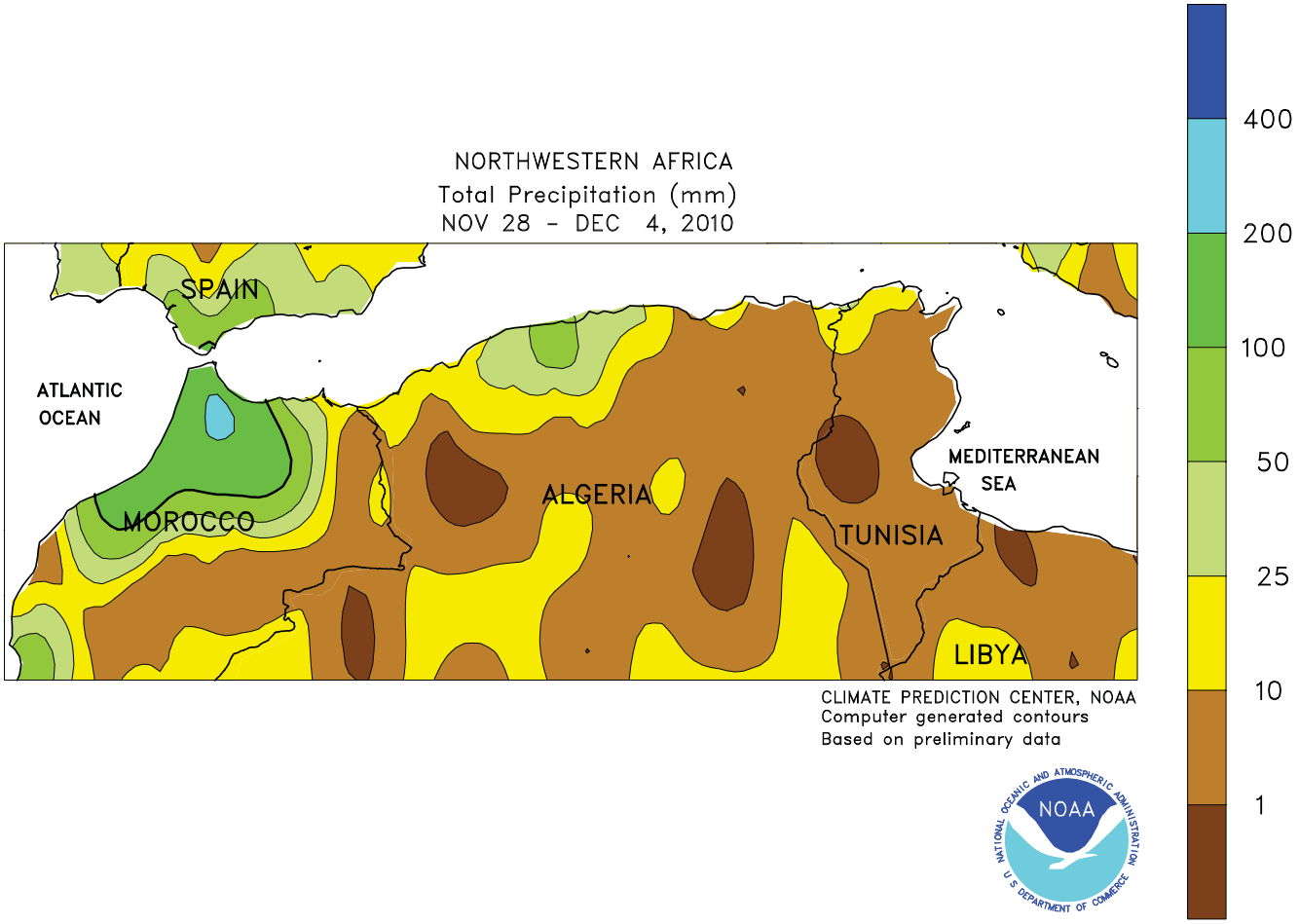
WESTERN FSU

Cold, unsettled weather prevailed over most major crop areas. Precipitation, which fell as a mix of snow, sleet, freezing rain, and rain, tallied 10 to more than 30 mm over most major winter grain areas, boosting soil moisture reserves. Nevertheless, the coldest air of the winter in Russia's Southern District (-2 degrees in the south to -15 degrees in the north) along with late-week snow ended the growing season and eased crops into dormancy. However, the southern-most growing areas remained above freezing, allowing for additional late-season growth. Freezes (as low as -10 degrees C) in central and eastern Ukraine likewise closed the door on any additional late-season winter crop establishment. Meanwhile, arctic air settled over central and northern portions of the region, with nighttime readings plunging below -30 degrees C in the central Volga District. Despite the bitter cold, adequate snow cover (10-25 cm) protected dormant winter crops from widespread winterkill. However, snow cover was shallow (less than 5 cm) across southern and western portions of the Volga District (where temperatures dropped below -20 degrees C) and eastern portions of the Central District (where readings dipped to -25 degrees C), possibly resulting in some localized burnback or winterkill.



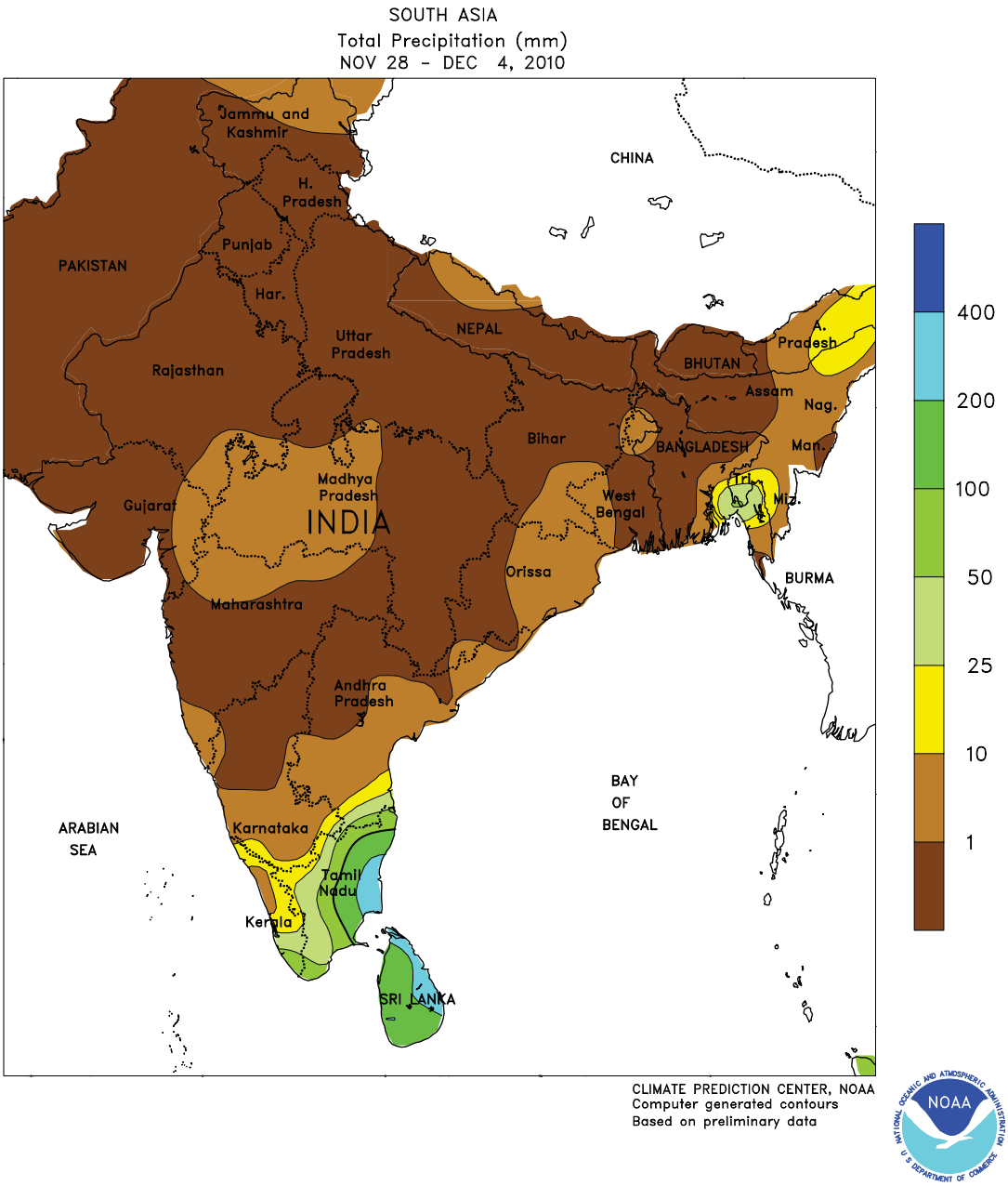
MIDDLE EAST

Developing drought increased soil moisture shortages in southern and eastern growing areas, while dry, warm weather returned to western crop districts. From southeastern Turkey and the eastern Mediterranean coast into western and southern Iran, the ongoing protracted dry spell (little if any rainfall since early September) along with above-normal temperatures (2-8 degrees C above normal) increased concerns over developing drought and maintained parched topsoils. In areas without irrigation, current soil moisture remained inadequate for crop establishment from the eastern Mediterranean coast into western Iran. In addition, remote-sensing data indicated an increasing occurrence of wildfires, highlighting the need for rain in the near future. In contrast, winter crop prospects remained favorable in central and western Turkey despite this week's dry and unseasonably warm weather (up to 12 degrees C above normal) due in part to recent rain.



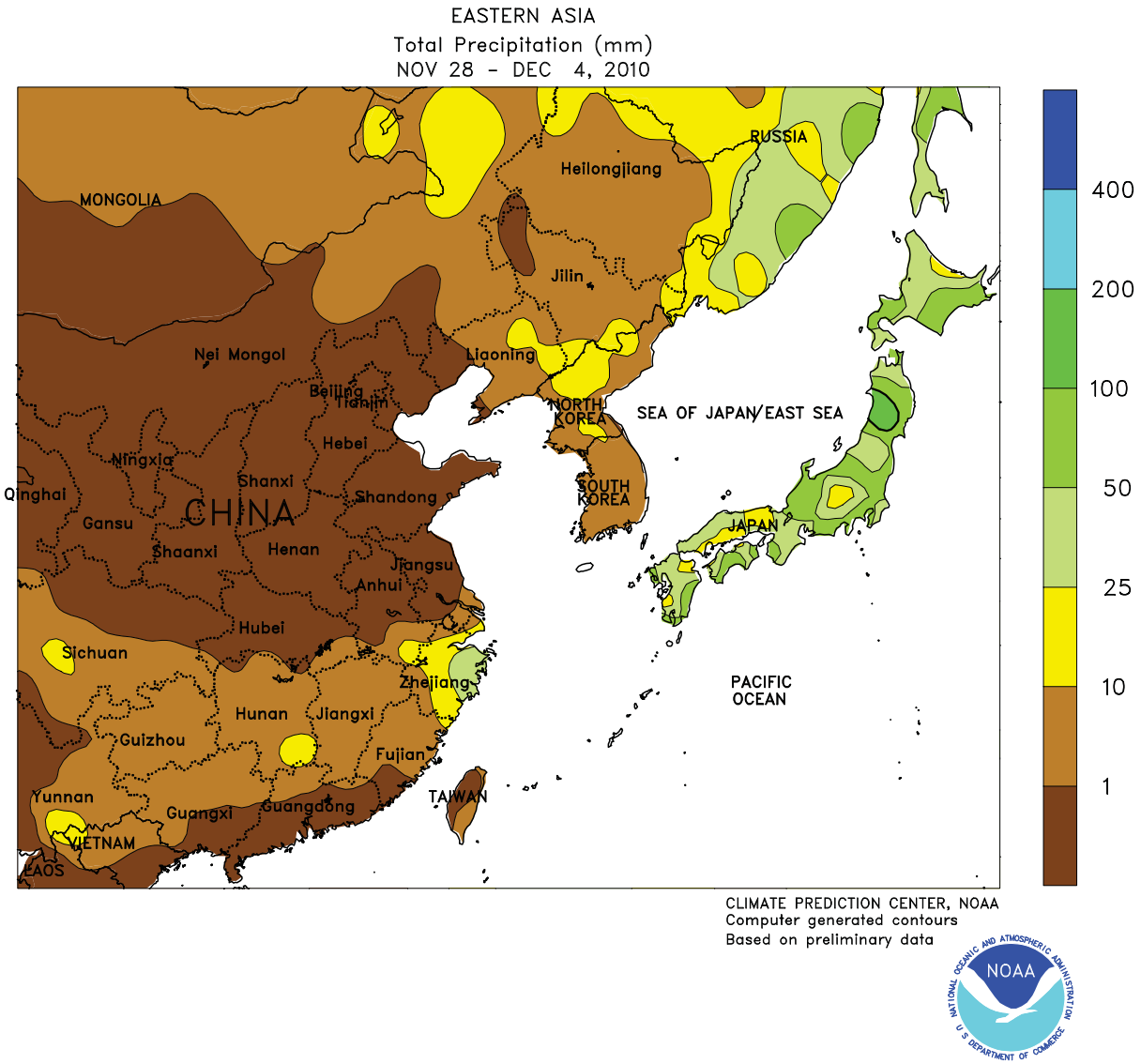
NORTHWESTERN AFRICA

Wet weather continued, with additional rainfall benefiting winter crop establishment. Rain topped 200 mm in northern Morocco, with widespread reports of more than 100 mm in the country's main winter grain belt. While some flooding of low-lying fields may necessitate replanting, the rain was overall beneficial for vegetative winter grains. In addition, rain in southern Morocco (up to 50 mm) provided relief from short-term dryness and improved soil moisture for winter crop establishment. Across northern portions of Algeria and Tunisia, widespread showers (2-20 mm, locally more than 50 mm) maintained favorable prospects for winter grain establishment. Temperatures were generally near to slightly above normal (1-3 degrees C above normal), although cooler-than-normal conditions (up to 3 degrees C below normal) were reported in northern Morocco in association with the heavy rain.



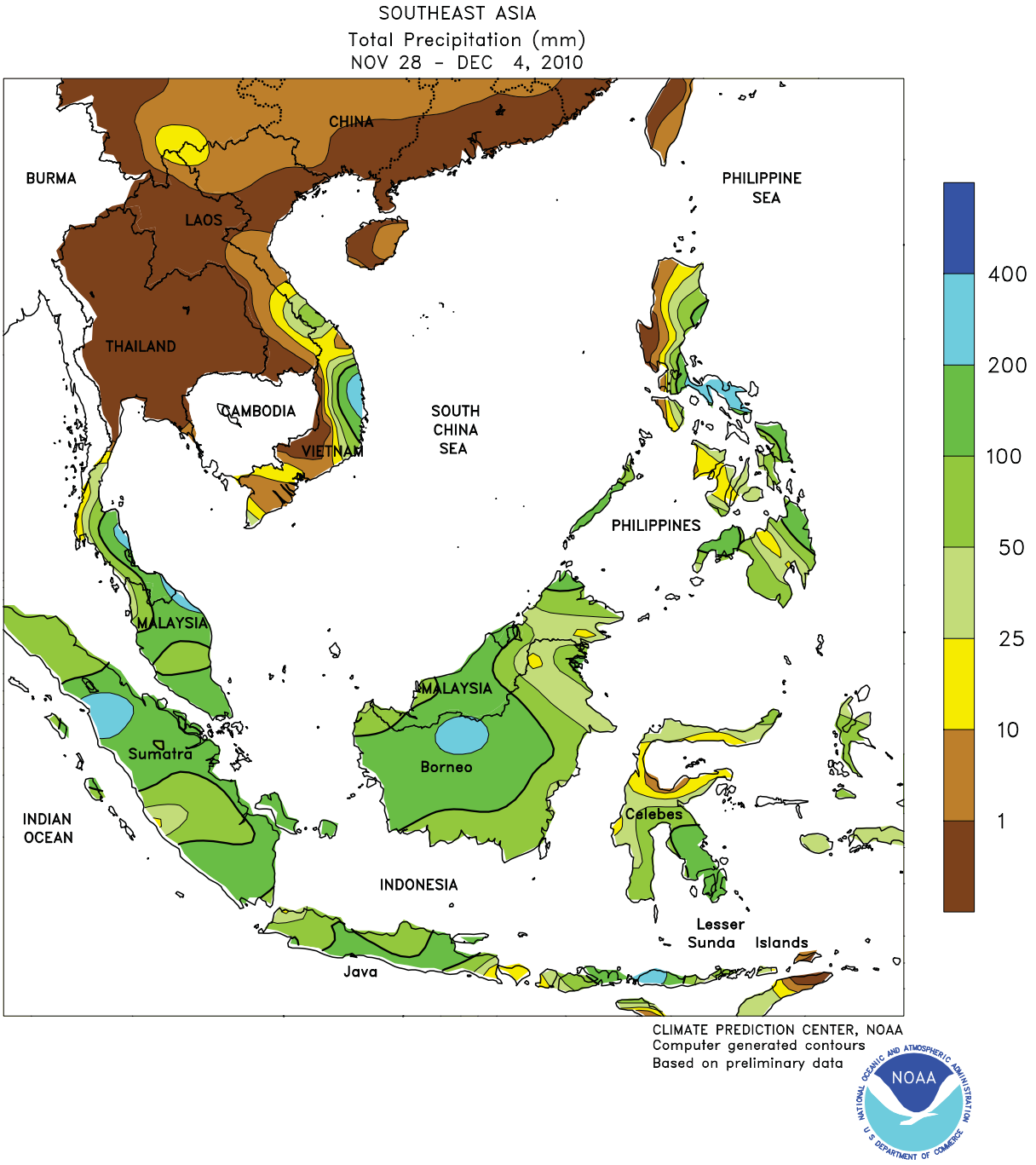
SOUTH ASIA

Showers retreated to a more seasonable position in the far southern states of India, but rainfall amounts remained unusually high (50 to over 300 mm). The wetness caused delays in summer (kharif) crop harvesting, especially for rice. Drier weather prevailed in winter (rabi) growing areas where irrigation supplies remained abundant from late-season rains. Average temperatures near 20 degrees C were nearly ideal for winter wheat and rapeseed development.



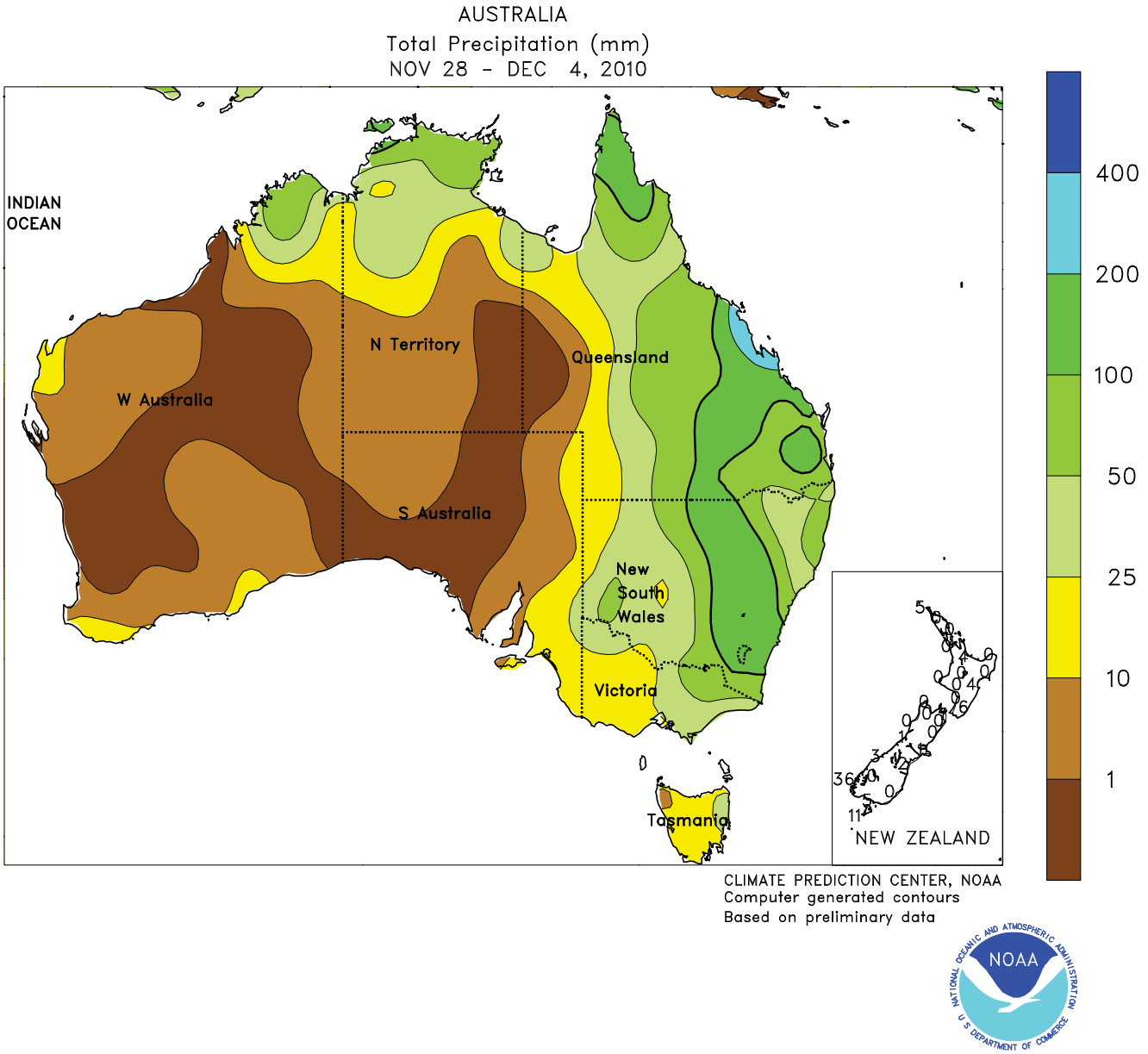
EASTERN ASIA

Dry weather continued across the North China Plain, which has not received measurable rain since late October. Temperatures as much as 6 degrees C above normal promoted winter wheat growth but also increased water requirements. The combination of warm, dry conditions necessitated farmers to irrigate prior to the crop entering dormancy. Winter wheat began entering dormancy in northern growing areas as of December 4 but remained active elsewhere. Typical dormancy for wheat occurs during the first half of December. Similarly, winter rapeseed in the Yangtze Valley required further irrigation as warm, dry weather prevailed. Overall, moisture supplies remained favorable from wetness in the early autumn.



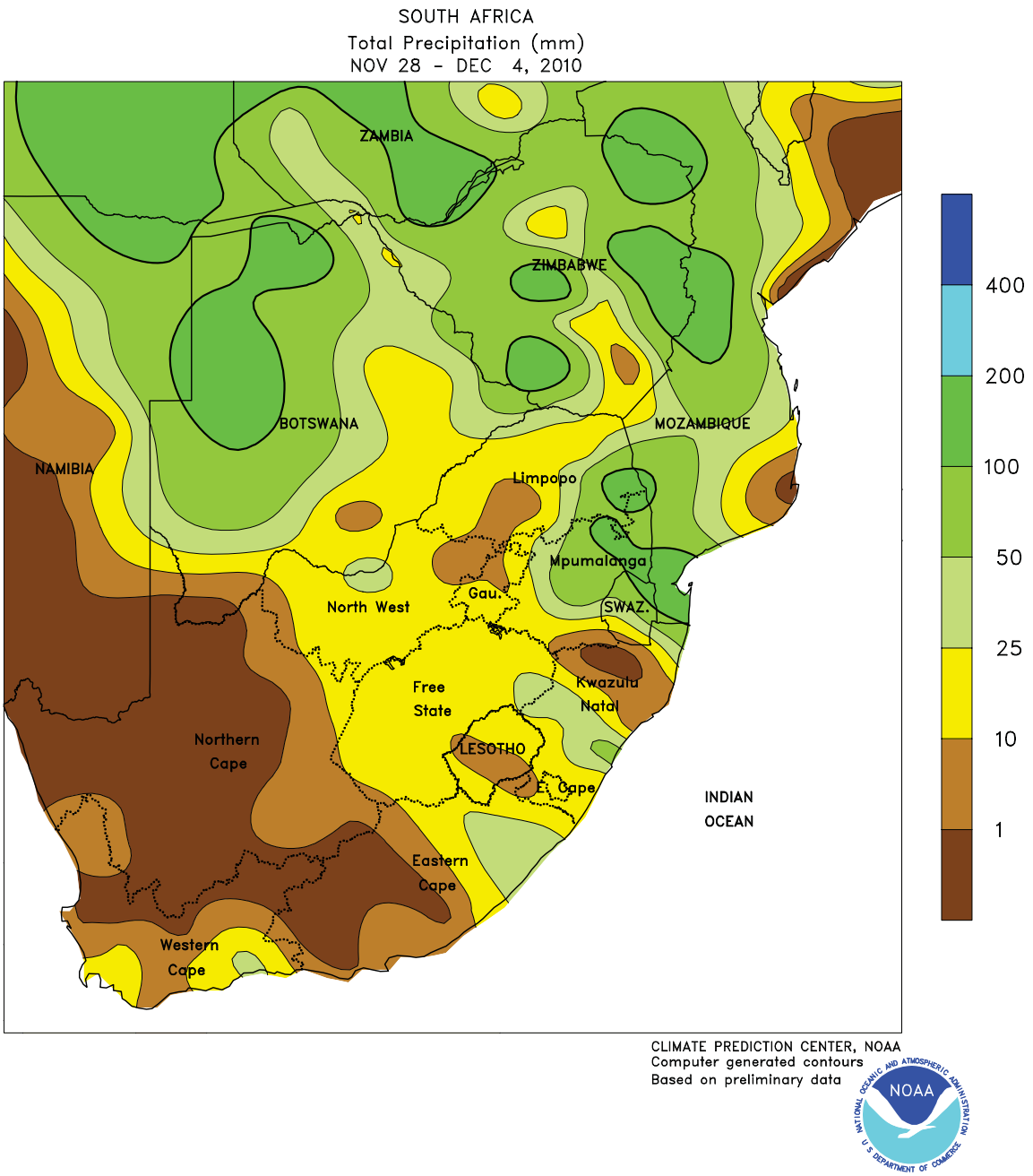
SOUTHEAST ASIA

Torrential showers (over 200 mm) returned to coastal central Vietnam but had little impact on coffee harvesting or spring rice transplanting. Above-normal rainfall continued across much of the Philippines and especially in southern Luzon where over 200 mm maintained high moisture supplies for rice. Meanwhile, wet weather continued for oil palm in Borneo Malaysia and Kalimantan, Indonesia, slowing harvest activities. The rainy season in Java, Indonesia, remained active as over 100 mm of rain benefited establishment of main-season rice.



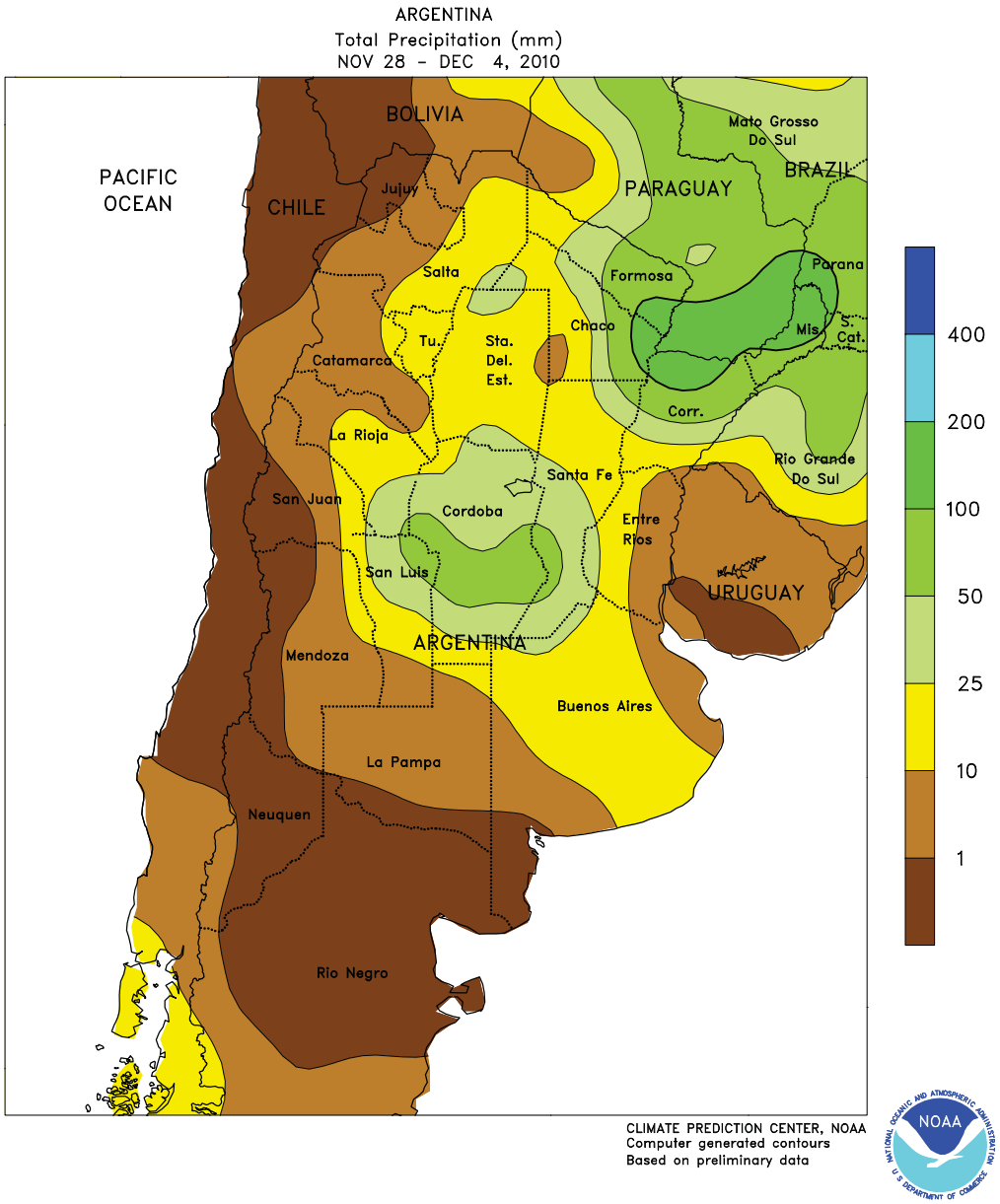
AUSTRALIA

Widespread, soaking rains (25-100 mm, locally near 200 mm) fell across much of southern and eastern Australia, maintaining abundant moisture supplies for vegetative summer crops but causing local flooding. The excessively wet weather remained unfavorable for winter grains, hampering the drydown and harvesting of mature crops and causing further declines in crop quality. In Western Australia, dry weather allowed winter wheat and barley harvesting to proceed without delay in all but extreme southern growing areas, where scattered showers (5-20 mm) may have caused some delays in fieldwork. Temperatures in southern and western Australia averaged within about 1 degree C of normal, while in eastern Australia temperatures averaged about 1 to 2 degrees C below normal.



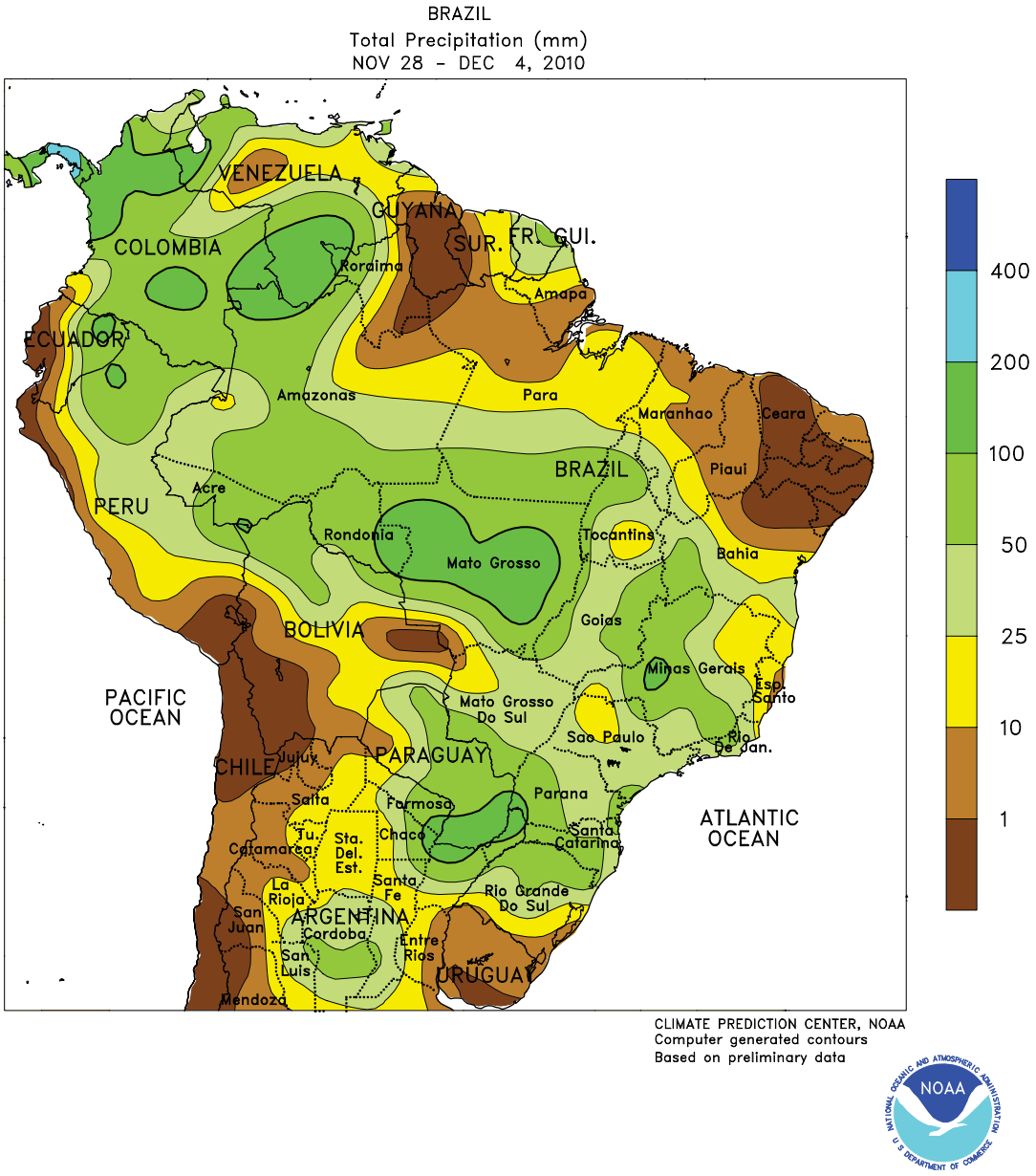
SOUTH AFRICA

Warmer, drier weather fostered rapid development of emerging to vegetative summer crops across the corn belt. The driest conditions (rainfall below 5 mm) were reported from north-central Free State to Limpopo, including neighboring areas of North West and Gauteng. Rainfall elsewhere in the corn belt ranged from 10 to 25 mm or more, with amounts exceeding 50 mm in central Mpumalanga. Temperatures averaging 2 to 3 degrees C above normal maintained unseasonably high evaporation rates but highs were mostly in the lower 30s degrees C, posing little if any stress on vegetative crops. Elsewhere, showers and seasonable warmth (highs in the upper 20s and lower 30s degrees C) continued in southern KwaZulu-Natal and nearby locations of Eastern Cape. However, rainfall was unseasonably light (3-25 mm) in northern KwaZulu-Natal, increasing irrigation demands of sugarcane. Seasonably drier conditions returned to Northern Cape, although scattered showers (2-25 mm) across southern sections of Western Cape reduced irrigation requirements of tree and vine crops. Additionally, unseasonably mild weather (temperatures averaging 1-2 degrees C below normal with highs in the middle and upper 20s degrees C) lowered crop moisture requirements and slowed developmental rates of fruit and other forms of agriculture.



ARGENTINA

Rain brought some much-needed relief from dryness to previously dry locations of central Argentina. Rainfall totaling 10 to 25 mm or more helped to stabilize conditions for emerging summer grains and oilseeds in southern Santa Fe, Entre Rios, and northernmost Buenos Aires, although amounts were insufficient for full recovery from the weeks-long drought. Heavier rain (25-50 mm, locally approaching 100 mm) fell farther west, maintaining adequate to abundant levels of moisture for summer crops in Cordoba but hampering the early stages of the winter grain harvest. Above-normal temperatures (highs reaching the lower and middle 30s degrees C) spurred germination and vegetative growth of summer grains and oilseeds in these areas despite the increase in shower activity. In contrast, drier conditions prevailed in La Pampa and southwestern Buenos Aires, as rainfall totaled below 10 mm. Temperatures averaged near to slightly below normal in these more southerly areas, though highs occasionally reached the lower 30s degrees C. Elsewhere, rain ended a period of dryness in northeastern Argentina, including Chaco, where moisture had become limited for normal development of cotton and other summer crops. Drier conditions returned to Santiago del Estero and other western farming areas, aiding winter grain harvesting. Temperatures averaged near to slightly above normal across the north, with highs briefly reaching 40 degrees C. According to Argentina's Ministry of Agriculture, sunflower and corn planting was 94 and 80 percent complete, respectively, as of December 2. In addition, soybeans were 59 percent planted versus 52 percent last year. Wheat harvesting reached 25 percent, compared with 32 percent harvested last year.

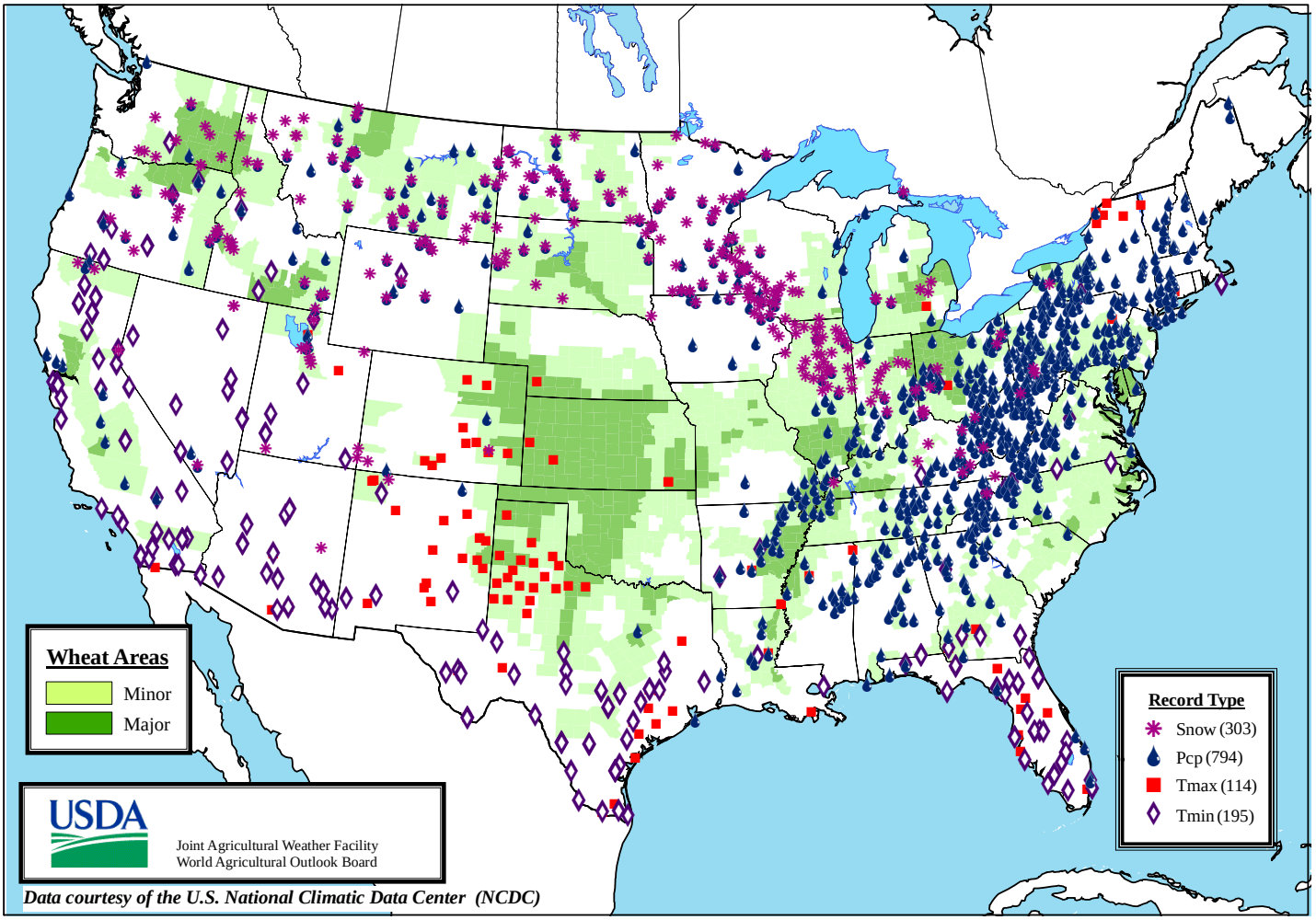


BRAZIL

An increase in seasonal shower activity provided generally favorable levels of moisture for crops throughout major farming areas of central and southern Brazil. Sections of northern Rio Grande do Sul received near- to above-normal rainfall (25-50 mm or more) for a second week, helping to improve soybean prospects after one of the driest Novembers in more than 10 years. Timely showers (25-50 mm or more) also helped end a brief dry spell in soybean areas of the Center-West region near the northern border of Mato Grosso do Sul. The region's heaviest rain fell in sections of Mato Grosso and Minas Gerais, possibly causing localized flooding. Throughout these areas, above-normal temperatures (highs ranging from the lower 30s degrees C along the coast to the upper 30s in central Mato Grosso) sustained high crop moisture demands and rapid crop development. Elsewhere, variable showers (10-50 mm) continued in soybean and cotton areas of the northeastern interior (Tocantins and western Bahia) but dry weather dominated coastal plantation areas. Warmer-than-normal weather (temperatures averaging several degrees C above normal with highs in the middle and upper 30s degrees C in the northeastern interior) also fostered rapid rates of summer crop growth.

Daily Weather Records (ASOS & COOP)

November 28-December 4, 2010



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