

WEEKLY WEATHER AND CROP BULLETIN

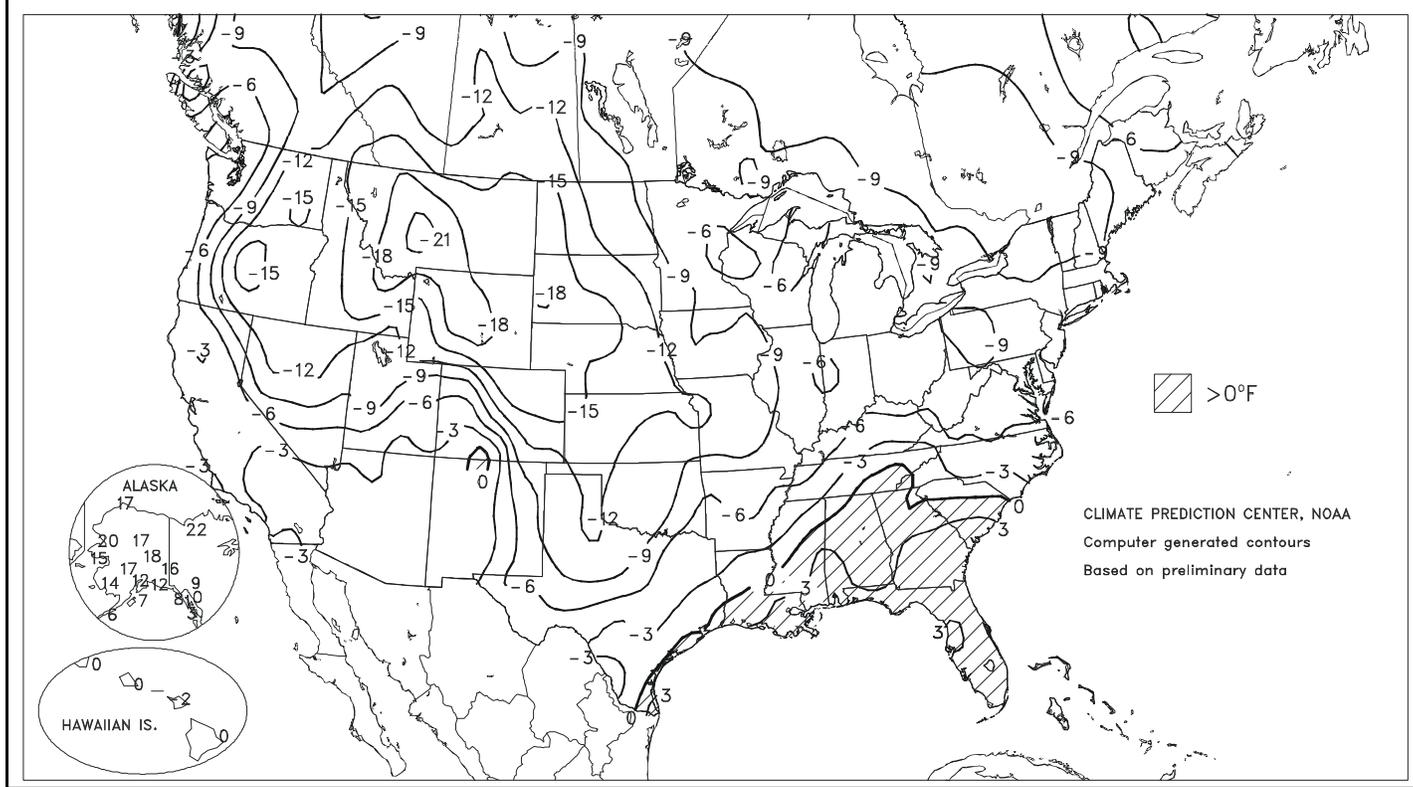
U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service

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



Departure of Average Temperature from Normal (°F)

OCT 27 - NOV 2, 2002



HIGHLIGHTS

October 27 - November 2, 2002

Highlights provided by USDA/WAOB

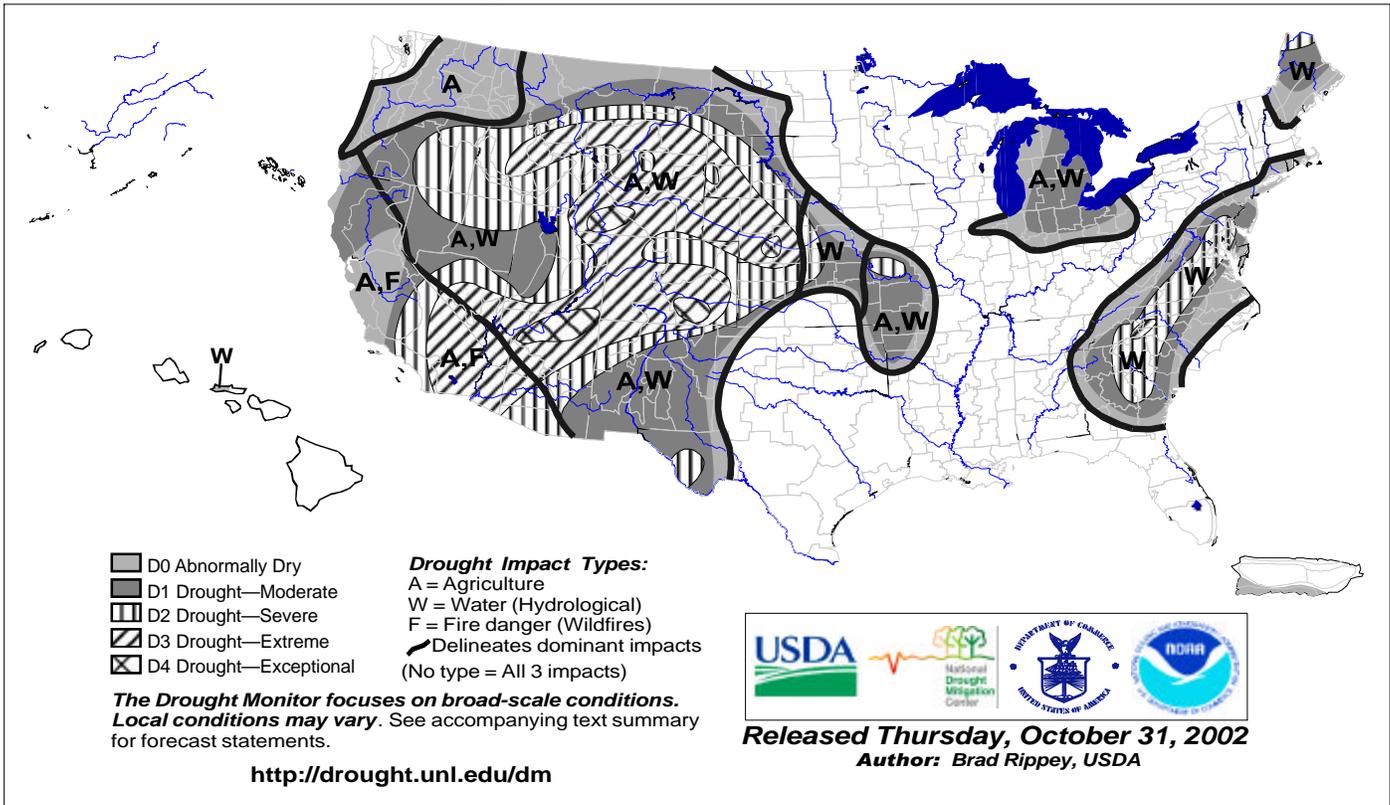
Cold weather halted winter wheat development across the **northwestern half of the Plains**, although a patchy snow cover (up to 4 inches) helped to protect some recently emerged wheat from temperatures that averaged 10 to 20°F below normal. Extreme minimum temperatures ranging from -10 to 10°F threatened exposed winter wheat from **Montana to western Nebraska**, an area that also continued to suffer from soil moisture shortages and other effects of long-term drought. Very cold weather (10 to 16°F below normal) also halted wheat growth across the **interior Northwest**, although a brief period of rain and snow showers provided a temporary boost in depleted
(Continued on page 5)

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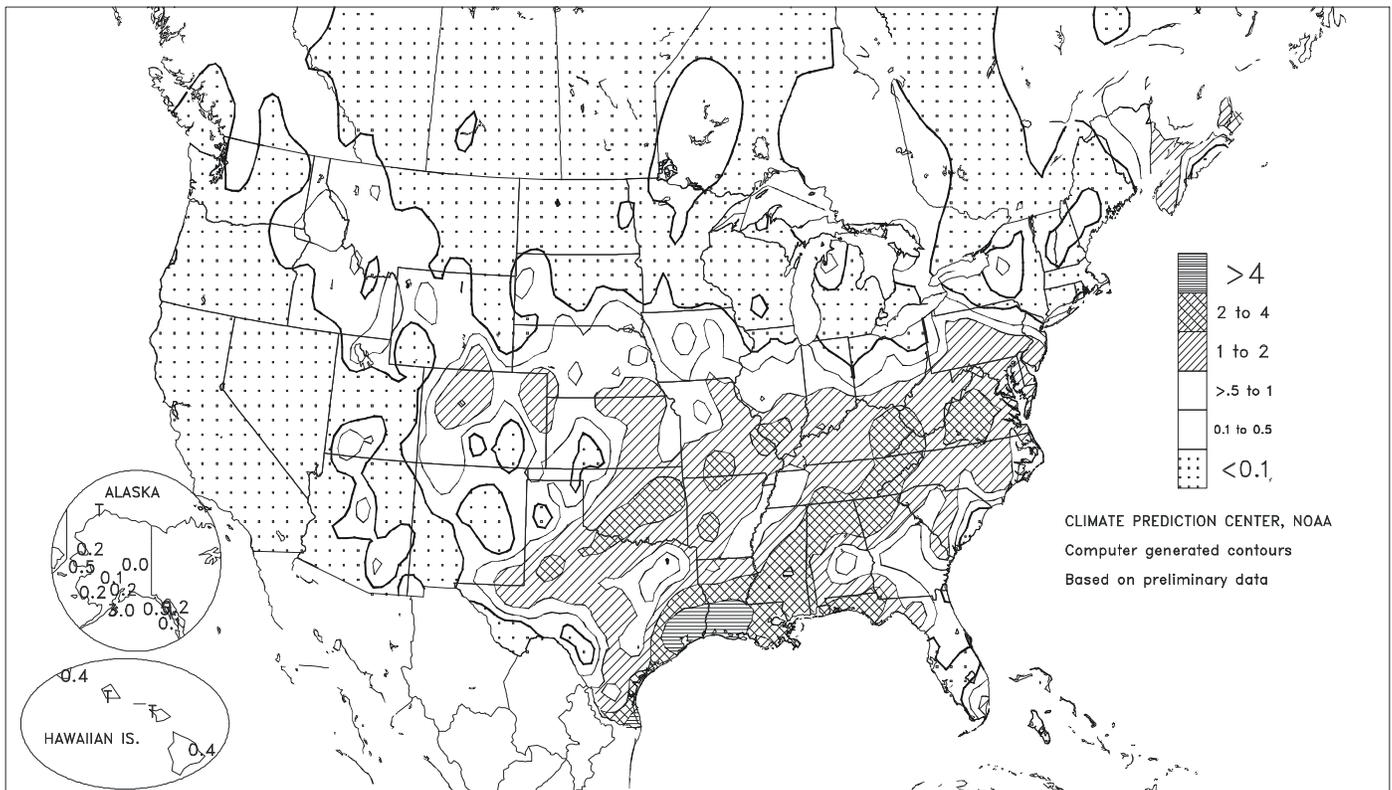
U.S. Drought Monitor

October 29, 2002
Valid 7 a.m. EST



Total Precipitation (Inches)

OCT 27 - NOV 2, 2002



Weather Data for Mississippi and the Missouri Bootheel

Weather Data for the Week Ending November 2, 2002

Data provided by the Mississippi State Delta Research and Extension Center (DREC),
the Southern Regional Climate Center (SRCC), and the University of Missouri.

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							4-INCH SOIL TEMP, °F		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIP	
																		01 INCH OR MORE	50 INCH OR MORE
MS BATESVILLE ^x	64	53	71	35	58	1	0.51	-0.48	0.25	20.98	299	59.63	133	-	-	0	0	3	0
BELZONI ^x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLARKSDALE ^x	63	50	71	37	56	-2	0.20	-0.76	0.20	14.64	231	60.27	138	-	-	0	0	1	0
CLEVELAND ^x	64	50	73	37	57	-3	0.23	-0.73	0.20	13.64	202	50.93	113	-	-	0	0	2	0
GREENVILLE ^x	67	51	77	41	59	-0	0.82	-0.20	0.72	11.79	183	46.93	108	-	-	0	0	2	1
GREENWOOD ^x	64	51	77	39	57	-3	0.76	-0.17	0.38	14.55	205	43.86	99	-	-	0	0	5	0
INDIANOLA 1S	63	51	77	40	57	-	0.37	-	0.24	12.91	-	44.39	-	66	63	0	0	4	0
INVERNESS 5E	63	53	77	43	58	-	0.58	-	0.29	13.69	-	40.76	-	66	61	0	0	3	0
LYON	60	49	72	37	54	-	0.50	-	0.22	13.00	-	45.48	-	64	60	0	0	4	0
MACON	66	54	79	40	60	-	2.11	-	1.68	13.16	-	39.84	-	68	64	0	0	3	1
MOORHEAD ^x	62	52	76	41	57	-4	0.04	-0.89	0.04	4.38	63	32.10	71	-	-	0	0	1	0
ONWARD	64	53	76	44	58	-	0.95	-	0.66	14.15	-	41.75	-	67	64	0	0	3	1
PERTHSHIRE	60	49	71	37	55	-	0.42	-	0.15	10.64	-	-	-	64	58	0	0	4	0
ROLLING FORK ^x	66	54	79	44	60	0	0.91	-0.09	0.71	13.82	191	35.26	77	-	-	0	0	3	1
SCOTT	61	50	73	40	55	-	0.25	-	0.12	9.55	-	-	-	63	59	0	0	4	0
SIDON	63	53	76	42	58	-	0.36	-	0.18	12.12	-	48.40	-	66	60	0	0	3	0
STARKVILLE	64	53	77	39	59	-	0.02	-	0.02	12.23	-	-	-	56	42	0	0	1	0
TUNICA ^x	63	49	69	37	56	-2	0.27	-0.71	0.20	16.85	267	57.64	132	-	-	0	0	2	0
TUNICA 1W	58	46	70	33	52	-	0.56	-	0.30	12.96	-	47.99	-	61	58	0	0	4	0
VANCE	59	49	72	37	54	-	0.44	-	0.15	20.17	-	53.17	-	63	61	0	0	4	0
VERONA	62	51	77	36	57	-	1.90	-	0.93	15.83	-	50.93	-	66	60	0	0	3	2
VICKSBURG ^x	68	57	74	45	62	0	2.13	1.13	1.17	19.67	264	47.12	99	-	-	0	0	3	2
YAZOO CITY ^x	66	55	76	44	60	-0	1.88	0.81	0.83	17.17	235	52.30	108	-	-	0	0	4	2
STONEVILLE ^x	64	51	71	40	58	-1	0.24	-0.68	0.15	14.78	218	52.72	123	67	60	0	0	4	0
MO DELTA	52	40	59	27	46	-9	0.81	-0.27	0.56	4.99	64	48.80	115	54	48	0	1	4	1
STEELE	55	44	63	35	49	-7	0.96	-0.03	0.52	9.59	126	42.06	99	56	52	0	0	5	1
GLENNONVILLE	53	42	61	33	47	-8	0.66	-0.42	0.35	6.10	85	34.63	91	55	50	0	0	6	0
PORTAGEVILLE LF	55	43	64	34	49	-8	0.63	-0.47	0.22	8.03	103	38.05	92	61	54	0	0	4	0
CLARKTON	53	42	60	33	48	-7	0.63	-0.45	0.26	6.87	95	43.30	114	56	51	0	0	6	0
CARDWELL	54	43	62	34	48	-9	0.68	-0.57	0.23	7.54	89	38.32	90	58	54	0	0	5	0
CHARLESTON	52	41	63	30	47	-9	0.70	-0.23	0.53	7.58	109	40.26	99	55	49	0	1	4	1
PORTAGEVILLE DC	54	43	63	34	49	-8	0.55	-0.55	0.18	7.20	92	35.92	86	67	63	0	0	5	0

Compiled by USDA/OCE/WAOB's Stoneville Field Office. ^x Based on 1971-2000 normals.

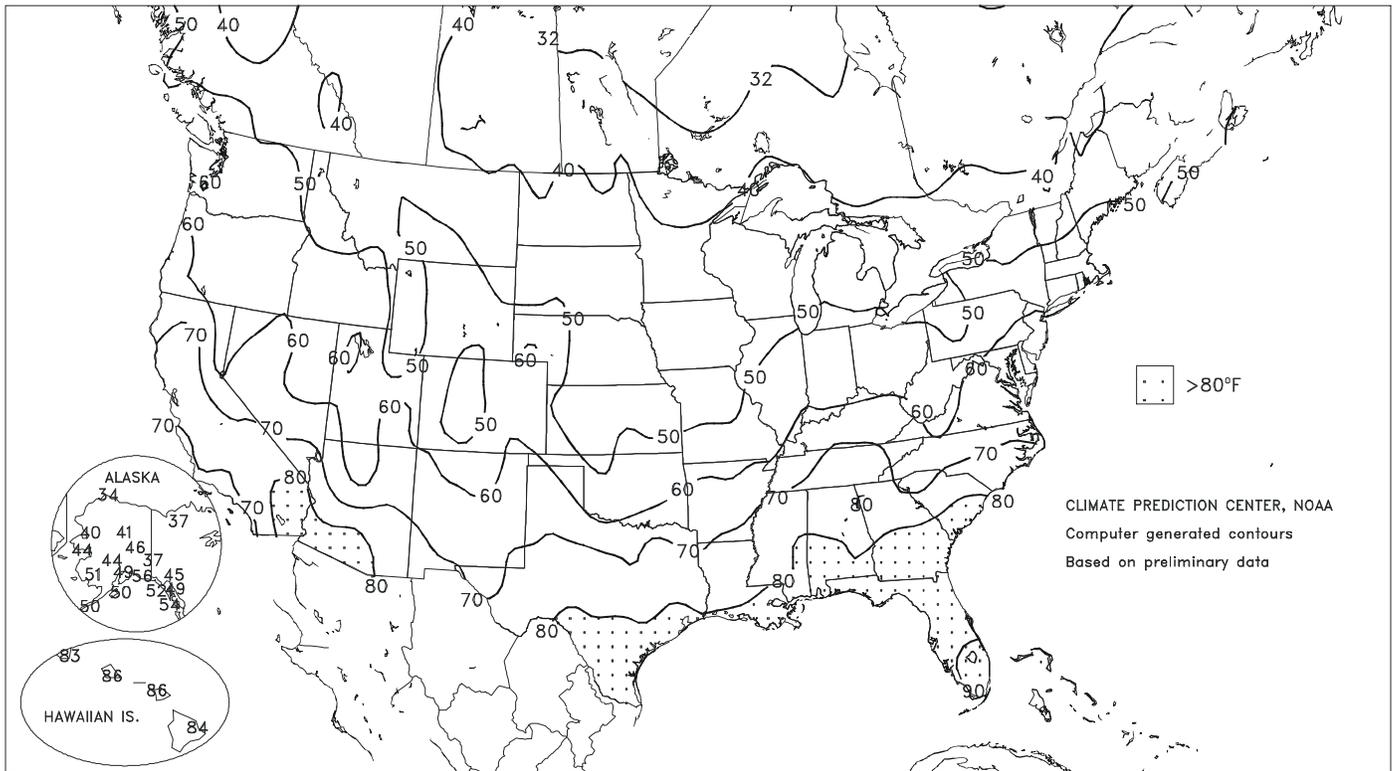
Weather and Crop Summary: Another week of minimal drying and additional precipitation hampered harvest efforts for the seventh week in a row. Toward week's end, enough drying occurred to allow some farmers to harvest in the mud for as much as a day. Some reports indicated that some producers farming less sandy soils were still awaiting their first day of cotton harvesting this season. Gins were running at approximately two-thirds capacity, awaiting drier weather to pick up modules in fields.

Monthly Record Lows (°F) in Selected Locations, October 30-31, 2002

October 30	Low	Previous Record/Date(s)	Location	Low	Previous Record/Date(s)
Location			Prineville, OR	4	6 on Oct. 29, 1971
Williston, ND	-9	-3 on Oct. 29, 1895, and Oct. 30, 1991	Yakima, WA	4	10 on Oct. 30, 2002
Mitchell, OR	8	11 on Oct. 29, 1971	Omak, WA	5	8 on Oct. 31, 1935
Yakima, WA	10	11 on Oct. 29, 1971	Mitchell, OR	6	8 on Oct. 30, 2002
Madras, OR	11	11 on Oct. 30, 1991	Moro, OR	7	8 on Oct. 30, 1935
Olympia, WA	17	20 on Oct. 28, 1971	Spokane, WA	7	9 on Oct. 31, 1935
Dallesport, WA	18	19 on Oct. 29, 1971	Madras, OR	7	11 on Oct. 30, 1991, and Oct. 30, 2002
			Union, OR	7	12 on Oct. 29, 1971
			Pullman, WA	8	14 on Oct. 29, 1971
October 31			Klamath Falls, OR	8	11 on Oct. 29, 1971
Location			Bickleton, WA	8	9 on Oct. 30, 1935
Potomac, MT	-15	-9 on Oct. 29, 1991	Whitman Mission, WA	8	14 on Oct. 27 and 28, 1971
Leadore, ID -14	-10 on Oct. 29, 1971		Jerome, ID	10	12 on Oct. 29, 1971
Rogers Pass, MT	-13	-9 on Oct. 31, 1984	La Grande, OR	11	13 on Oct. 29, 1971
Meacham, OR	-8	6 on Oct. 28, 1971	Montague, CA	12	18 on Oct. 29, 1971
Burns, OR	-7	-3 on Oct. 30, 1991	Mountain Home, ID	12	12 on Oct. 29, 1971, and Oct. 19, 1999
Fairfield, ID	-7	2 on Oct. 29, 1971	Sunnyside, WA	12	16 on Oct. 29, 1971
Redmond, OR	-3	4 on Oct. 29, 1971	Ashland, OR	13	19 on Oct. 29, 1971
Winnemucca, NV	-2	5 on Oct. 21, 1996	Olympia, WA	14	17 on Oct. 30, 2002
Davenport, WA	-1	10 on Oct. 21 and 31, 1984	Wenatchee, WA	15	16 on Oct. 31, 1984
Long Creek, OR	-1	2 on Oct. 29, 1971	Lewiston, ID	15	16 on Oct. 29, 1971
Alturas, CA	0	8 on Oct. 21, 1996	Dallesport, WA	15	18 on Oct. 30, 2002
Bend, OR	0	3 on Oct. 29, 1971	Walla Walla, WA	15	19 on Oct. 28, 1971
McCall, ID	1	4 on Oct. 30, 1991	Eugene, OR	17	19 on Oct. 28, 1971
La Crosse, WA	3	4 on Oct. 31, 1935	Grants Pass, OR	19	20 on Oct. 28, 1917, and Oct. 29, 1971
Baker City, OR	3	9 on Oct. 28, 1949, and Oct. 29, 1971	Salem, OR	20	23 on Oct. 29, 1971
Monument, OR	3	10 on Oct. 29, 1971	Mt. Shasta, CA	20	20 on Oct. 29, 1989, and Oct. 30, 1991
Twin Falls, ID	4	9 on Oct. 29 and 30, 1971	Roseburg, OR	21	23 on Oct. 29 and 30, 1971
John Day, OR	4	5 on Oct. 29, 1971			

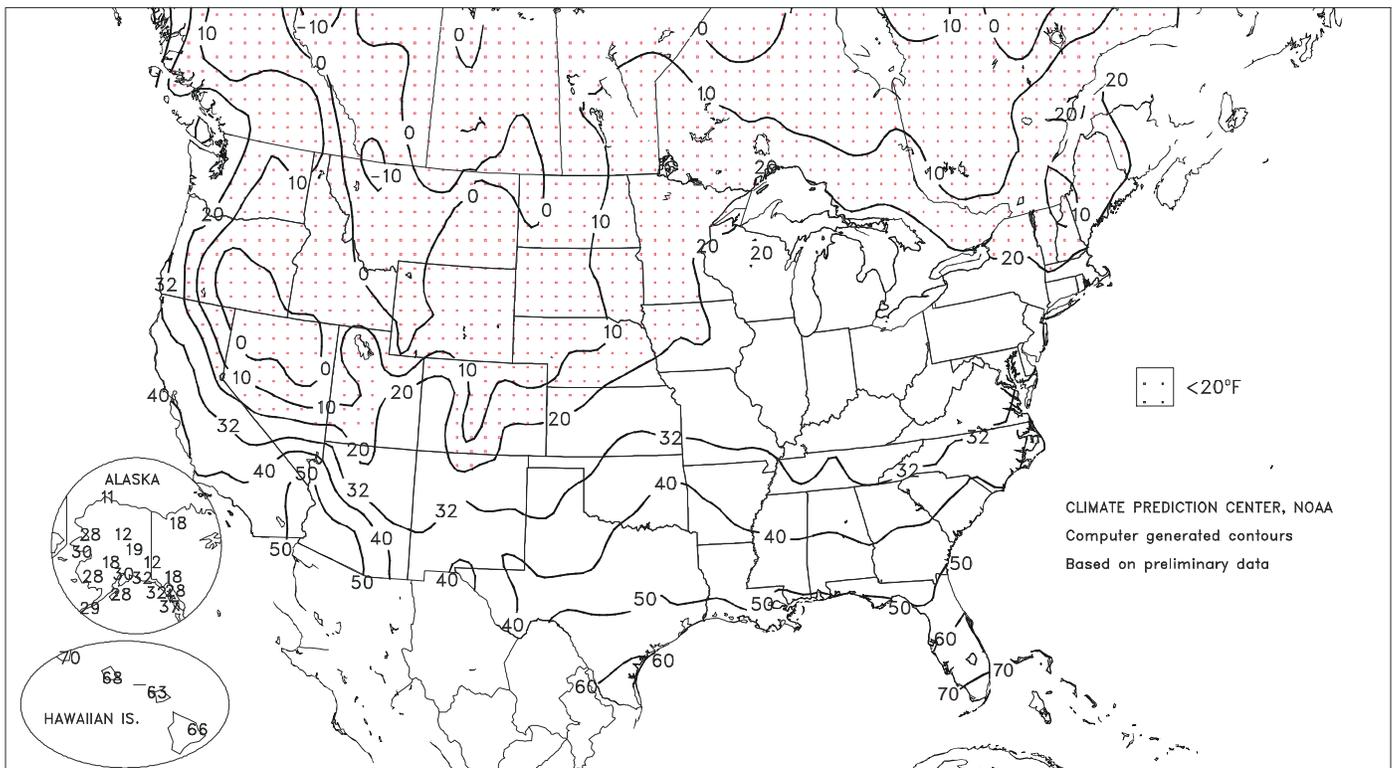
Extreme Maximum Temperature (°F)

OCT 27 - NOV 2, 2002



Extreme Minimum Temperature (°F)

OCT 27 - NOV 2, 2002



(Continued from front cover)

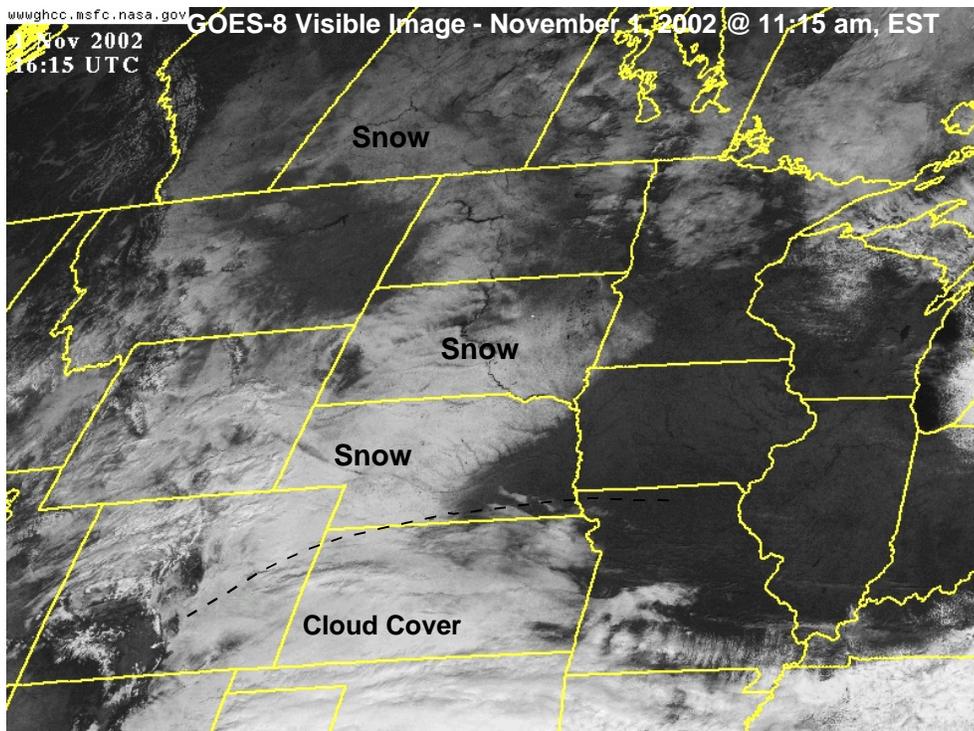
topsoil moisture reserves. Elsewhere in the **West**, cool, dry weather favored autumn fieldwork. Meanwhile, rain and snow aided pastures and winter grains across the **southern half of the Plains**. However, increasingly wet conditions hampered **southern Plains** fieldwork, adversely affected unharvested cotton, and left fields and feedlots muddy. Wet fields also continued to slow fieldwork, including the frequently delayed soybean and cotton harvests, in the **lower Mississippi Valley**, while additional heavy rain (4 inches or more) caused renewed lowland flooding in **southeastern Texas** and **southwestern Louisiana**. Meanwhile in the **East**, rain further eased long-term drought from **Georgia to the Mid-Atlantic States**, but a gradual drying trend continued across **Florida's peninsula**. Farther north, showers favored emerging winter grains in the **Ohio Valley**, but dry conditions persisted in wheat areas across **northern parts of Indiana and Ohio** and much of **Lower Michigan**. Cool weather (generally 6 to 14°F below normal) prevailed throughout the **Corn Belt**, slowing winter wheat development and limiting evaporation from still-soggy fields in the **upper Midwest**.

From October 30 - November 2, more than 250 daily-record lows were established across the **northern Plains, Northwest, and Great Basin**. At least 50 locations, mostly in the **Northwest**, set monthly record lows on the last day of October, eclipsing the region's previous late-October cold outbreaks of 1971, 1984, and 1991.

Although many **Montana** readings fell short of the early-season cold outbreaks of 1935, 1991, and other years, October 31 temperatures dipped to daily-record levels in locations such as **Butte** (-11°F) and **Great Falls** (-9°F). Farther east, **Williston, ND**, registered -9°F on October 30, shattering their former monthly record of -3°F set on October 29, 1895, and October 30, 1991. Elsewhere, **Winnemucca, NV**, posted three consecutive daily-record lows (-2, -2, and -3°F) from October 31 - November 2, including an October record low that represented their earliest sub-zero reading (previously, -2°F on November 4, 1935). Other monthly record lows set on the last day of October included -8°F in **Meacham, OR**, -7°F in **Burns, OR**, -1°F in **Davenport, WA**, 0°F in **Alturas, CA**, and 4°F in **Yakima, WA**.

The month's frigid finish closed out the coldest October on record in locations such as **Kearney, NE** (45.1°F, or 6.3°F below normal), **Sheridan, WY** (38.0°F, or 7.1°F below normal), and **Miles City, MT** (39.3°F, or 8.4°F below normal). Previous records in all three locations had been established in 1969. In **Pocatello, ID**, monthly temperatures averaged 42.5°F (5.2°F below normal), their coldest October since 1919. **Glasgow, MT** (36.0°F, or 9.0°F below normal), noted their coldest October since 1925, when temperatures averaged 33.4°F. Elsewhere in **Montana**, daily temperatures in **Great Falls** fell to 32°F or below on 24 days during the month, breaking their October 1925 record of 23 days.

Warm weather was confined to the **Southeast**, where **Florida** noted several daily-record highs. **Ft. Myers, FL**, notched a daily record-tying high of 90°F on October 27, followed by consecutive record highs (92 and 91°F) in **Miami, FL**, on October 30-31. The late-season warmth capped **Miami's** driest October on record, featuring just 0.71 inch (11 percent of normal). **Miami's** previous October record, 1.12 inch, was set in 1925. Elsewhere in Florida, **Tampa** completed their warmest September-October period on record, with an average temperature of 80.9°F (2.2°F



above normal). Farther north and west, some rain and snow across the **northern Rockies** and **Northwest** failed to prevent a drier-than-normal October. In **Oregon**, **Pendleton** noted a daily-record total (0.61 inch) on October 29, but received only 0.75 inch (76 percent of normal) for the month. Much drier conditions persisted in many **Western** locations, including **San Francisco, CA** (a trace during October; 1.04 inches below normal), and **Kalispell, MT** (0.08 inch; 0.88 inch below normal).

Early in the week, widespread, locally heavy precipitation fell from the **central and southern Plains to the East Coast**. On October 27, daily-record totals in **Kansas** included 1.09 inches in **Wichita** and 0.47 inch in **Dodge City**. **Wichita** endured 9 consecutive days (October 22-30) with measurable rainfall and closed the month with 8.29 inches (338 percent of normal), second only to a 9.42-inch total in October 1998. By October 28, daily-record totals in **Texas** reached 8.04 inches in **Houston** and 2.61 inches in **Corpus Christi**. **Houston's** monthly total, 14.65 inches (326 percent of normal), was their third-highest October sum, behind 17.64 inches in 1949 and 16.05 inches in 1984. October precipitation records were established, however, in locations such as **Lake Charles, LA** (21.45 inches, or 544 percent of normal), and **Lafayette, LA** (18.27 inches, or 454 percent). Heavy showers returned to the **western Gulf Coast** region after a brief lull. At week's end, **Brownsville, TX**, exceeded their normal November rainfall (1.75 inches) by the second day of the month, noting a daily-record total (2.57 inches) on Saturday.

In contrast to unusually cold weather across much of the **Lower 48**, weekly temperatures averaged as much as 20°F above normal in **Alaska**. Only light precipitation accompanied the mild **Alaskan** weather regime. Nevertheless, **Valdez, AK**, netted an October-record total of 15.46 inches (180 percent of normal), edging their 1979 standard of 15.43 inches. Elsewhere in **Alaska**, **Kotzebue** noted four consecutive daily-record highs (40, 40, 39, and 36°F) from October 29 - November 1. Daily records were also set on October 29 in locations such as **Bethel** (51°F) and **Fairbanks** (46°F). On October 31, the daily-record high of 34°F in **Barrow, AK**, was considerably higher than the maxima in **Denver, CO** (19°F), and **Scottsbluff, NE** (21°F). Meanwhile, mostly dry weather prevailed across **Hawaii**. Some higher weekly totals included 2.80 inches at **Oahu's Manoa Lyon Arboretum** and 2.35 inches in **Wainiha, Kauai**.

National Weather Data for Selected Cities

Weather Data for the Week Ending November 2, 2002

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

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		
																		01 INCH OR MORE	50 INCH OR MORE	
AL	BIRMINGHAM	65	53	78	37	59	1	1.57	0.74	1.45	15.43	205	52.56	116	***	***	0	0	3	1
	HUNTSVILLE	63	50	78	35	57	1	1.33	0.44	1.21	9.50	117	40.61	86	94	73	0	0	3	1
	MOBILE	73	58	83	47	65	2	1.67	0.79	1.05	21.30	223	58.62	104	96	74	0	0	2	2
	MONTGOMERY	71	55	80	41	63	2	0.15	-0.48	0.14	6.45	92	29.95	66	10	70	0	0	2	0
AK	ANCHORAGE	44	34	49	30	39	12	0.15	-0.18	0.05	7.95	158	15.32	109	96	84	0	2	7	0
	BARROW	28	19	34	11	24	17	0.04	-0.01	0.03	2.50	229	4.53	117	96	87	0	7	2	0
	FAIRBANKS	38	22	46	19	30	18	0.00	-0.17	0.00	1.92	92	12.61	141	91	86	0	7	0	0
	JUNEAU	41	34	49	28	38	0	0.17	-1.40	0.13	16.83	103	48.57	101	99	96	0	3	2	0
	KODIAK	48	39	50	28	44	7	2.99	1.33	2.23	22.14	133	69.37	113	96	88	0	1	6	1
	NOME	40	34	44	30	37	14	0.50	0.20	0.34	4.44	106	12.15	85	95	85	0	2	5	0
AZ	FLAGSTAFF	51	29	55	25	40	-2	0.12	-0.29	0.12	5.93	142	10.74	56	93	45	0	6	1	0
	PHOENIX	79	57	83	54	68	0	0.01	-0.16	0.01	0.87	55	2.24	33	60	38	0	0	1	0
	TUCSON	75	50	79	46	62	-3	0.44	0.25	0.43	2.21	82	6.99	66	65	41	0	0	2	0
	YUMA	80	59	82	55	69	-2	0.00	-0.03	0.00	0.02	4	0.19	8	67	43	0	0	0	0
AR	FORT SMITH	55	48	62	41	52	-5	1.35	0.35	0.64	3.81	49	37.93	105	95	75	0	0	5	2
	LITTLE ROCK	55	47	65	38	51	-7	1.33	0.20	0.51	7.99	96	37.17	91	95	72	0	0	4	1
CA	BAKERSFIELD	69	49	74	42	59	-3	0.00	-0.09	0.00	0.00	0	1.59	31	64	46	0	0	0	0
	FRESNO	72	45	75	42	59	0	0.00	-0.20	0.00	0.10	10	2.83	32	72	50	0	0	0	0
	LOS ANGELES	65	56	67	52	60	-5	0.00	-0.14	0.00	0.14	21	1.82	18	88	68	0	0	0	0
	REDDING	71	42	78	32	56	-1	0.00	-0.77	0.00	0.11	4	10.97	44	42	21	0	1	0	0
	SACRAMENTO	72	41	75	34	56	-3	0.01	-0.34	0.01	0.02	1	8.39	63	83	21	0	0	1	0
	SAN DIEGO	66	58	68	53	62	-3	0.00	-0.18	0.00	0.35	49	1.93	23	76	65	0	0	0	0
	SAN FRANCISCO	68	47	71	43	57	-1	0.00	-0.42	0.00	0.00	0	5.96	40	84	65	0	0	0	0
	STOCKTON	72	39	77	33	56	-3	0.00	-0.30	0.00	0.00	0	4.63	45	75	40	0	0	0	0
CO	ALAMOSA	50	25	56	13	38	2	0.04	-0.08	0.03	1.97	124	4.15	64	93	57	0	7	2	0
	CO SPRINGS	37	24	57	17	31	-12	0.27	0.08	0.22	2.67	124	7.46	45	96	66	0	5	5	0
	DENVER INTL	33	22	56	12	28	-16	0.28	0.11	0.11	1.14	58	6.99	55	97	77	0	5	5	0
	GRAND JUNCTION	51	34	55	29	42	-4	0.55	0.36	0.24	3.88	197	6.91	88	94	68	0	3	6	0
	PUEBLO	42	29	59	23	35	-11	0.09	-0.08	0.06	1.11	73	3.60	31	92	82	0	5	3	0
CT	BRIDGEPORT	49	35	60	28	42	-8	0.00	-0.83	0.00	10.77	146	35.18	94	78	47	0	2	0	0
	HARTFORD	49	31	60	25	40	-7	0.00	-0.93	0.00	7.61	91	32.92	85	76	40	0	5	0	0
DC	WASHINGTON	52	40	65	34	46	-8	1.23	0.56	0.79	7.17	100	25.61	77	92	65	0	0	3	1
DE	WILMINGTON	50	36	63	32	43	-8	1.08	0.45	0.66	9.64	132	30.88	85	93	56	0	2	3	1
FL	DAYTONA BEACH	82	65	89	57	74	3	0.67	-0.14	0.64	6.84	60	48.54	111	96	60	0	0	3	1
	JACKSONVILLE	79	60	87	49	70	4	0.19	-0.35	0.14	11.95	100	46.72	98	97	56	0	0	3	0
	KEY WEST	86	78	87	74	82	3	0.00	-0.82	0.00	11.22	112	36.46	106	87	68	0	0	0	0
	MIAMI	89	76	92	73	83	6	0.55	-0.58	0.32	7.51	50	56.47	106	92	60	2	0	2	0
	ORLANDO	84	67	89	60	76	4	0.17	-0.28	0.17	9.74	113	52.71	120	94	65	0	0	1	0
	PENSACOLA	75	60	82	49	68	3	2.24	1.28	1.59	19.57	193	55.03	98	90	64	0	0	3	1
	TALLAHASSEE	79	60	86	49	70	5	0.79	0.01	0.79	12.18	143	46.31	83	91	58	0	0	1	1
	TAMPA	83	69	89	59	76	3	0.28	0.03	0.28	9.64	108	45.31	111	92	60	0	0	1	0
	WEST PALM	87	72	90	68	80	4	0.00	-1.25	0.00	5.27	38	54.82	103	90	63	1	0	0	0
GA	ATHENS	66	48	72	36	57	0	0.93	0.12	0.79	10.85	150	36.18	89	96	74	0	0	4	1
	ATLANTA	67	51	76	38	59	1	2.48	1.73	2.21	12.37	167	37.13	87	89	67	0	0	4	1
	AUGUSTA	72	53	79	36	63	4	0.77	0.08	0.68	9.76	140	32.67	84	98	75	0	0	3	1
	COLUMBUS	71	55	79	41	63	2	0.46	-0.18	0.24	7.39	132	35.69	88	92	59	0	0	2	0
	MACON	73	53	81	38	63	4	0.19	-0.38	0.16	8.17	141	31.70	83	96	57	0	0	3	0
	SAVANNAH	76	58	84	45	67	4	1.40	0.77	0.80	9.29	111	38.37	86	10	63	0	0	5	2
HI	HILO	83	67	84	66	75	0	0.40	-2.60	0.34	14.91	76	120.8	119	94	82	0	0	3	0
	HONOLULU	86	72	86	68	79	0	0.02	-0.50	0.02	2.21	72	11.84	89	75	65	0	0	1	0
	KAHULUI	83	68	86	63	76	-1	0.01	-0.35	0.01	4.28	276	13.99	102	84	75	0	0	1	0
	LIHUE	82	72	83	70	77	0	0.35	-0.71	0.29	3.62	50	28.39	93	80	72	0	0	3	0
ID	BOISE	43	24	57	13	33	-14	0.00	-0.22	0.00	0.70	44	4.07	43	75	53	0	6	0	0
	LEWISTON	41	23	52	15	32	-14	0.52	0.27	0.39	1.18	64	8.83	84	80	65	0	6	3	0
	POCATELLO	34	18	55	5	26	-16	0.22	0.00	0.12	1.46	76	5.97	57	80	67	0	7	3	0
IL	CHICAGO/O'HARE	47	35	49	25	41	-5	0.00	-0.67	0.00	3.34	54	31.58	102	83	62	0	3	0	0
	MOLINE	45	32	49	24	38	-9	0.17	-0.49	0.13	3.05	50	31.94	96	86	67	0	3	3	0
	PEORIA	47	33	51	24	40	-7	0.44	-0.17	0.31	2.31	38	30.94	100	96	76	0	3	3	0
	ROCKFORD	45	31	50	23	38	-7	0.08	-0.50	0.05	4.80	77	31.56	98	88	59	0	3	3	0
	SPRINGFIELD	48	34	53	23	41	-9	0.60	-0.01	0.52	4.32	77	37.94	125	93	66	0	2	2	1
IN	EVANSVILLE	52	40	62	23	46	-6	0.95	0.19	0.78	9.05	151	40.54	110	92	70	0	1	5	1
	FORT WAYNE	47	34	51	27	40	-7	0.15	-0.48	0.14	4.14	74	29.30	95	88	53	0	3	2	0
	INDIANAPOLIS	49	36	57	24	43	-6	0.61	-0.11	0.61	6.36	109	33.84	98	95	63	0	2	1	1
	SOUTH BEND	47	33	52	25	40	-7	0.00	-0.74	0.00	2.63	36	24.93	75	83	55	0	3	0	0
IA	BURLINGTON	43	32	47	23	37	-12	0.64	0.03	0.31	4.31	65	36.00	108	93	64	0	4	5	0
	CEDAR RAPIDS	42	29	47	20	35	-10	0.34	-0.16	0.21	8.15	145	36.22	121	94	62	0	4	3	0
	DES MOINES	41	30	44	20	35	-11	0.24	-0.33	0.17	4.80	81	25.77	82	89	67	0	3	3	0
	DUBUQUE	42	27	45	20	35	-9	0.12	-0.45	0.08	7.00	112	40.67	129	91	63	0	7	2	0
	SIOUX CITY	39	26	44	16	32	-12	0.78	0.38	0.36	4.16	92	25.15	105	89	74	0	5	3	0
	WATERLOO	43	27	48	22	35	-9	0.26	-0.29	0.19	3.55	63	30.05	100	93	68	0	6	2	0
KS	CONCORDIA	40	34	45	25	37	-12	1.04	0.68	0.47	6.37	143	18.09	69	89	82	0	4	5	0
	DODGE CITY	39	33	47	26	36	-14	0.60	0.31	0.47	3.07	95	13.97	68	97	89	0	4	6	0
	GOODLAND	35	25	48	19	30	-15	0.99	0.75	0.59	2.76	124	9.79	53	97	88	0	6	4	1
	TOPEKA	42	37	48	28	40	-10	0.79	0.18	0.32	7.07	103	27.56	86	97	90	0	2	4	0

Weather Data for the Week Ending November 2, 2002

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP		
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	5.0 INCH OR MORE	
KY	WICHITA	45	39	55	33	42	-10	1.46	0.98	1.09	9.21	166	32.14	118	95	87	0	0	5	1
	JACKSON	52	40	62	27	46	-7	2.60	1.83	1.30	9.95	139	44.78	109	98	73	0	2	4	2
	LEXINGTON	50	39	58	24	44	-7	1.35	0.72	1.06	11.93	199	40.20	104	97	74	0	2	3	1
	LOUISVILLE	53	41	62	30	47	-6	0.82	0.12	0.48	12.46	206	43.84	118	97	67	0	1	4	0
LA	PADUCAH	52	40	63	26	46	-7	0.75	-0.07	0.39	9.76	135	44.23	109	95	66	0	2	5	0
	BATON ROUGE	73	60	79	48	67	3	3.52	2.59	1.77	15.56	174	49.15	92	92	65	0	0	4	2
	LAKE CHARLES	73	61	80	51	67	2	8.89	8.00	4.27	26.12	257	70.52	146	94	68	0	0	5	3
	NEW ORLEANS	75	64	84	53	70	4	2.17	1.35	1.09	24.34	275	52.63	97	89	77	0	0	4	2
ME	SHREVEPORT	63	52	70	46	58	-4	1.11	0.05	0.79	8.10	102	31.33	74	94	76	0	0	5	1
	CARIBOU	37	25	42	16	31	-7	0.16	-0.53	0.10	6.80	105	30.93	99	88	60	0	7	3	0
	PORTLAND	46	26	55	20	36	-7	0.01	-1.08	0.01	7.78	96	34.65	93	80	39	0	6	1	0
	BALTIMORE	50	37	62	29	44	-6	1.08	0.42	0.78	9.19	125	30.57	86	97	65	0	2	3	1
MA	BOSTON	48	35	58	28	42	-8	0.01	-0.90	0.01	6.90	92	30.97	88	67	41	0	2	1	0
	WORCESTER	44	30	54	22	37	-8	0.05	-1.02	0.05	8.43	91	36.13	88	78	40	0	6	1	0
	ALPENA	41	27	46	19	34	-7	0.01	-0.49	0.01	3.49	66	23.05	94	88	58	0	6	1	0
	GRAND RAPIDS	44	31	49	28	37	-8	0.00	-0.63	0.00	2.84	39	24.93	80	88	58	0	6	0	0
MI	HOUGHTON LAKE	40	27	47	19	33	-8	0.07	-0.43	0.04	3.85	70	20.72	84	88	62	0	7	2	0
	LANSING	44	28	49	22	36	-8	0.00	-0.53	0.00	1.87	32	19.78	74	84	58	0	6	0	0
	MUSKOGON	45	31	49	26	38	-7	0.05	-0.64	0.05	3.69	57	24.08	89	80	55	0	5	1	0
	TRAVERSE CITY	42	29	46	23	36	-8	0.20	-0.43	0.10	3.30	49	27.01	95	91	53	0	6	4	0
MN	DULUTH	36	25	40	18	31	-6	0.07	-0.43	0.05	6.93	103	29.98	107	86	65	0	6	2	0
	INT'L FALLS	33	22	36	13	27	-8	0.28	-0.09	0.25	2.31	45	22.78	104	91	70	0	7	2	0
	MINNEAPOLIS	40	29	45	21	35	-7	0.00	-0.51	0.00	8.10	164	38.20	144	84	66	0	5	0	0
	ROCHESTER	40	26	45	18	33	-7	0.09	-0.41	0.05	5.59	102	32.08	113	91	64	0	6	2	0
MS	ST. CLOUD	38	25	44	18	32	-6	0.08	-0.40	0.06	10.18	192	32.89	131	93	65	0	5	2	0
	JACKSON	67	56	76	45	61	2	2.97	2.03	1.55	16.82	243	58.02	127	94	71	0	0	4	2
	MERIDIAN	70	55	82	43	63	3	4.77	3.92	3.79	20.83	290	47.30	97	95	79	0	0	5	2
	TUPELO	63	50	78	35	56	-1	0.85	0.00	0.37	17.08	244	55.04	122	95	72	0	0	5	0
MO	COLUMBIA	44	36	48	26	40	-10	0.89	0.13	0.44	6.24	91	39.97	116	98	80	0	2	5	0
	KANSAS CITY	42	33	46	24	38	-13	0.60	0.04	0.26	4.88	60	24.53	72	97	84	0	3	6	0
	SAINT LOUIS	49	40	53	30	44	-8	1.09	0.38	0.78	7.44	125	38.03	117	89	69	0	2	5	1
	SPRINGFIELD	48	41	54	33	45	-8	1.42	0.60	0.89	4.02	47	33.39	89	93	81	0	0	5	1
MT	BILLINGS	33	14	53	3	23	-19	0.21	0.00	0.08	2.35	88	9.00	67	89	63	0	7	3	0
	BUTTE	28	2	49	-15	15	-20	0.05	-0.09	0.02	1.27	66	10.48	90	87	50	0	7	3	0
	GLASGOW	33	12	43	2	23	-15	0.00	-0.11	0.00	1.29	75	12.10	115	86	66	0	7	0	0
	GREAT FALLS	30	8	52	-9	19	-21	0.17	0.00	0.11	2.16	98	14.48	106	88	56	0	7	2	0
NE	HAVRE	33	12	43	4	22	-16	0.00	-0.08	0.00	1.58	95	13.39	127	86	66	0	7	0	0
	KALISPELL	36	8	53	-1	22	-15	0.01	-0.23	0.01	1.31	59	10.49	74	80	52	0	7	1	0
	MISSOULA	33	11	44	1	22	-17	0.20	0.02	0.19	0.74	38	9.32	79	79	60	0	6	2	0
	GRAND ISLAND	38	28	42	16	33	-12	0.58	0.25	0.32	4.75	118	16.72	70	93	80	0	4	3	0
NV	LINCOLN	40	30	45	20	35	-12	0.80	0.41	0.40	6.19	125	26.08	100	89	78	0	4	3	0
	NORFOLK	37	25	42	14	31	-13	0.75	0.39	0.44	3.84	94	19.27	78	92	73	0	4	3	0
	NORTH PLATTE	35	26	48	17	30	-12	0.60	0.36	0.36	3.14	120	10.59	57	90	77	0	5	3	0
	OMAHA	41	30	45	19	36	-11	0.21	-0.23	0.17	4.10	74	25.90	94	88	74	0	4	2	0
OH	SCOTTSBLUFF	36	20	61	12	28	-13	0.07	-0.12	0.02	1.19	52	6.95	46	89	78	0	6	5	0
	VALENTINE	33	17	49	-3	25	-16	0.27	0.07	0.22	1.69	58	11.04	60	92	83	0	5	3	0
	ELY	48	13	55	-2	30	-10	0.00	-0.19	0.00	0.70	35	3.09	35	70	36	0	7	0	0
	LAS VEGAS	69	50	75	44	59	-3	0.17	0.12	0.17	0.61	107	1.23	32	66	45	0	0	1	0
NV	RENO	55	27	65	18	41	-6	0.04	-0.08	0.04	0.12	13	3.84	66	53	36	0	5	1	0
	WINNEMUCCA	49	10	61	-3	29	-14	0.00	-0.17	0.00	0.37	30	4.26	63	60	37	0	7	0	0
	CONCORD	46	23	55	16	34	-9	0.01	-0.82	0.01	6.64	97	30.83	98	89	42	0	6	1	0
	NEWARK	52	38	60	32	45	-7	0.15	-0.60	0.09	10.46	142	35.17	90	74	45	0	1	2	0
NM	ALBUQUERQUE	60	40	63	34	50	-1	0.13	-0.06	0.13	2.12	100	5.61	67	81	39	0	0	1	0
	ALBANY	45	29	56	19	37	-8	0.01	-0.75	0.01	7.47	111	31.83	98	86	45	0	5	1	0
	BINGHAMTON	40	28	48	24	34	-9	0.10	-0.58	0.09	8.73	128	36.21	111	89	65	0	6	2	0
	BUFFALO	44	32	50	26	38	-8	0.08	-0.70	0.06	5.82	80	31.82	96	87	55	0	4	2	0
NY	ROCHESTER	45	33	52	25	39	-7	0.30	-0.28	0.24	4.99	80	27.66	97	89	59	0	4	3	0
	SYRACUSE	46	33	54	26	40	-5	0.22	-0.51	0.17	7.78	103	34.05	102	89	51	0	5	3	0
	ASHEVILLE	57	44	64	32	51	0	0.42	-0.39	0.21	8.65	121	32.54	81	93	75	0	1	3	0
	CHARLOTTE	59	43	71	31	51	-6	0.79	-0.01	0.57	9.00	117	31.09	84	98	70	0	1	3	0
NC	GREENSBORO	55	42	63	35	48	-6	1.48	0.85	0.73	10.00	129	30.59	82	92	70	0	0	4	2
	HATTERAS	62	55	70	48	58	-4	0.90	-0.34	0.46	12.22	108	47.24	97	87	68	0	0	3	0
	RALEIGH	56	42	65	32	49	-7	1.69	1.05	0.93	12.86	169	38.11	102	98	69	0	1	3	1
	WILMINGTON	66	51	77	39	59	-1	0.14	-0.42	0.10	6.30	62	40.72	81	98	65	0	0	2	0
ND	BISMARCK	36	17	44	8	26	-12	0.02	-0.20	0.02	1.26	43	10.75	68	83	65	0	7	1	0
	DICKINSON	30	12	40	0	21	-17	0.00	-0.21	0.00	1.16	38	11.11	72	90	67	0	7	0	0
	FARGO	38	21	43	13	29	-9	0.08	-0.29	0.05	3.07	72	22.82	116	92	61	0	6	3	0
	GRAND FORKS	35	20	41	13	27	-9	0.17	-0.15	0.15	1.77	47	19.45	107	94	64	0	7	2	0
OH	JAMESTOWN	36	19	45	11	27	-10	0.14	-0.10	0.10	2.46	77	13.55	78	93	64	0	7	2	0
	WILLISTON	29	7	39	-9	18	-18	0.23	0.09	0.19	1.66	73	13.99	108	94	82	0	7	2	0
	AKRON-CANTON	43	33	51	28	38	-9	0.27	-0.29	0.26	6.36	104	33.41	102	93	72	0	4	2	0
	CINCINNATI	49	37	55	26	43	-7	1.04	0.28	0.69	9.11	152	38.29	106	90	65	0	2	2	1
OH	CLEVELAND	46	36	50	30	41	-6	0.03	-0.60	0.03	5.03	75	29.03	90	85	62	0	2	1	0
	COLUMBUS	47	36	55	28	42	-7	0.32	-0.26	0.32	7.07	131	34.51	106	85	59	0	2	1	0
	DAYTON	46	34	54	26	40	-8	0.41	-0.28	0.41	8.30	149	32.89	98	90	59	0	2	1	0
	MANSFIELD	43	33	51	26	38	-8	0.41	-0.31	0.41	4.37	69	29.28	80	95	57				

Weather Data for the Week Ending November 2, 2002

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP		
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	5.0 INCH OR MORE	
OK	TOLEDO	48	34	52	28	41	-6	0.00	-0.56	0.00	4.01	75	24.06	86	84	58	0	4	0	0
	YOUNGSTOWN	43	32	49	28	38	-8	0.15	-0.37	0.11	4.77	73	34.66	108	87	64	0	5	2	0
	OKLAHOMA CITY	48	42	52	37	45	-11	1.79	1.18	0.64	8.27	106	32.28	101	97	85	0	0	6	2
OR	TULSA	50	44	57	39	47	-10	2.40	1.60	1.05	5.01	55	28.53	78	96	84	0	0	5	2
	ASTORIA	55	34	60	29	45	-5	0.08	-1.80	0.04	2.11	24	37.77	81	76	56	0	4	2	0
	BURNS	44	7	53	-7	25	-14	0.00	-0.19	0.00	0.10	8	3.71	45	74	46	0	7	0	0
	EUGENE	56	25	60	16	41	-7	0.05	-1.30	0.05	1.29	24	20.70	60	77	55	0	5	1	0
	MEDFORD	59	26	63	19	43	-6	0.00	-0.46	0.00	0.70	31	7.40	58	77	32	0	6	0	0
	PENDLETON	43	24	57	14	33	-14	0.62	0.32	0.53	0.95	56	7.04	72	80	65	0	6	3	1
	PORTLAND	53	37	57	27	45	-5	0.04	-0.92	0.03	2.23	46	21.41	82	69	53	0	2	2	0
	SALEM	56	27	59	20	41	-8	0.01	-1.05	0.01	1.50	31	23.07	84	71	50	0	5	1	0
PA	ALLENTOWN	49	33	62	28	41	-6	0.58	-0.18	0.35	10.14	128	32.58	85	92	56	0	3	2	0
	ERIE	45	34	51	28	40	-9	0.27	-0.58	0.17	12.35	139	39.19	111	84	63	0	1	2	0
	MIDDLETOWN	48	34	61	30	41	-9	1.13	0.45	0.58	9.83	148	32.22	95	96	57	0	3	2	2
	PHILADELPHIA	51	38	63	34	45	-7	1.13	0.53	0.75	9.61	141	30.69	86	81	57	0	0	3	1
	PITTSBURGH	45	35	51	28	40	-8	0.50	-0.04	0.39	6.27	112	27.81	87	96	62	0	2	3	0
	WILKES-BARRE	45	31	58	26	38	-9	0.14	-0.51	0.09	10.19	144	33.51	104	92	55	0	6	2	0
	WILLIAMSPORT	47	34	58	29	40	-6	0.74	0.01	0.49	12.11	164	36.53	104	96	64	0	4	3	0
RI	PROVIDENCE	50	35	60	28	43	-6	0.00	-0.94	0.00	8.76	114	31.88	83	72	39	0	1	0	0
SC	BEAUFORT	76	61	85	51	68	5	0.73	0.10	0.55	10.47	123	43.94	99	99	61	0	0	4	1
	CHARLESTON	75	57	84	46	66	4	0.41	-0.17	0.29	13.38	145	48.85	107	94	60	0	0	3	0
	COLUMBIA	68	53	78	37	61	2	1.19	0.53	0.61	12.39	176	40.45	96	94	70	0	0	3	2
	GREENVILLE	60	47	64	39	54	-2	0.86	0.00	0.50	11.89	147	36.99	86	95	72	0	0	3	1
SD	ABERDEEN	37	18	45	9	27	-12	0.11	-0.18	0.07	2.12	60	14.96	78	89	70	0	6	2	0
	HURON	36	18	44	8	27	-13	0.31	0.02	0.24	2.66	77	14.15	72	93	69	0	6	3	0
	RAPID CITY	31	15	44	3	23	-18	0.03	-0.22	0.00	3.24	128	10.42	66	94	73	0	7	1	0
	SIoux FALLS	37	23	42	12	30	-11	0.32	-0.07	0.20	5.26	114	23.84	104	92	76	0	5	3	0
TN	BRISTOL	56	44	68	28	50	0	1.42	0.90	0.63	6.57	119	31.00	89	95	68	0	1	4	2
	CHATTANOOGA	64	50	78	32	57	2	1.29	0.46	1.20	9.57	122	38.28	85	95	67	0	1	2	1
	KNOXVILLE	61	48	74	30	55	1	1.89	1.22	1.25	10.79	183	48.26	121	96	72	0	1	3	2
	MEMPHIS	57	48	68	38	53	-5	0.75	-0.19	0.35	21.00	304	62.13	143	94	72	0	0	4	0
TX	NASHVILLE	58	47	73	32	53	-2	0.34	-0.40	0.32	10.82	162	47.98	122	93	66	0	1	2	0
	ABILENE	56	45	76	38	50	-11	1.01	0.51	0.39	7.06	119	26.34	123	99	96	0	0	6	0
	AMARILLO	48	36	64	30	42	-10	0.30	0.03	0.23	5.01	145	17.13	93	96	73	0	4	3	0
	AUSTIN	68	53	80	47	60	-6	0.58	-0.22	0.48	13.04	184	31.55	110	88	62	0	0	4	0
	BEAUMONT	74	60	81	51	67	1	5.64	4.65	3.18	19.60	177	52.44	105	97	67	0	0	4	3
	BROWNSVILLE	82	72	88	65	77	5	4.03	3.46	2.57	16.76	181	25.26	102	96	80	0	0	4	2
	CORPUS CHRISTI	76	64	81	60	70	0	3.18	2.58	2.61	16.44	180	26.55	92	93	79	0	0	3	2
	DEL RIO	70	58	80	55	64	-2	0.67	0.36	0.56	7.27	176	15.27	92	94	77	0	0	3	1
	EL PASO	65	48	70	43	57	-2	0.40	0.32	0.32	1.57	64	5.82	70	88	55	0	0	2	0
	FORT WORTH	60	51	69	46	56	-6	0.50	-0.31	0.20	8.18	121	40.14	135	94	72	0	0	5	0
	GALVESTON	75	65	81	55	70	0	2.02	1.31	0.93	23.17	245	57.64	156	96	75	0	0	4	2
	HOUSTON	71	60	81	51	66	0	8.92	7.90	8.04	22.29	244	49.51	123	96	76	0	0	4	2
	LUBBOCK	51	40	70	33	46	-9	1.43	1.20	0.80	6.75	156	17.44	100	98	93	0	0	4	2
	MIDLAND	55	44	70	38	50	-9	1.03	0.80	0.67	2.95	71	7.18	53	98	88	0	0	5	1
	SAN ANGELO	60	46	76	42	53	-7	0.30	-0.09	0.16	6.10	109	12.91	68	98	83	0	0	5	0
	SAN ANTONIO	72	56	83	52	64	-2	0.74	-0.06	0.65	15.35	217	42.37	148	95	68	0	0	4	1
	VICTORIA	73	61	82	55	67	-1	2.59	1.85	2.58	8.18	86	28.52	81	97	77	0	0	2	1
	WACO	63	53	69	49	58	-5	0.36	-0.33	0.16	12.34	183	28.28	100	95	82	0	0	5	0
	WICHITA FALLS	52	44	62	40	48	-11	1.23	0.69	0.47	7.97	124	27.04	106	97	91	0	0	6	0
UT	SALT LAKE CITY	45	27	58	17	36	-11	0.01	-0.32	0.01	1.83	61	9.13	65	89	49	0	5	1	0
VT	BURLINGTON	41	27	47	19	34	-9	0.12	-0.58	0.08	9.64	135	32.69	106	85	54	0	5	2	0
VA	LYNCHBURG	53	36	64	28	45	-6	1.73	1.04	0.68	7.21	97	27.64	75	92	66	0	3	4	2
	NORFOLK	57	46	64	37	52	-5	1.48	0.76	0.63	13.24	171	41.81	105	89	65	0	0	4	2
	RICHMOND	53	41	65	30	47	-6	2.15	1.41	1.02	8.98	115	30.07	79	96	69	0	1	3	2
	ROANOKE	52	41	62	34	47	-5	1.62	0.93	0.78	8.59	119	26.44	72	81	64	0	0	3	2
WA	WASH/DULLES	50	35	64	29	43	-7	1.21	0.47	0.82	7.92	107	30.39	85	92	61	0	3	4	1
	OLYMPIA	58	26	71	17	42	-4	0.15	-1.29	0.12	1.12	17	30.29	86	94	68	0	4	3	0
	QUILLAYUTE	54	33	58	25	43	-4	0.18	-2.78	0.17	5.33	36	61.94	85	90	68	0	4	2	0
	SEATTLE-TACOMA	53	37	56	31	45	-4	0.07	-1.00	0.06	0.97	19	22.28	86	66	54	0	1	2	0
	SPOKANE	40	15	50	7	28	-13	0.00	-0.35	0.00	0.76	39	8.94	73	76	39	0	7	0	0
	YAKIMA	47	12	63	4	30	-13	0.00	-0.16	0.00	0.19	20	3.88	66	78	46	0	7	0	0
WV	BECKLEY	47	36	56	25	41	-7	1.46	0.90	0.73	7.51	124	33.54	94	93	77	0	2	6	2
	CHARLESTON	52	40	59	28	46	-4	1.26	0.59	1.03	9.40	149	37.72	101	96	67	0	1	3	1
	ELKINS	47	34	54	26	40	-6	1.23	0.58	0.92	8.46	123	43.81	111	93	67	0	2	5	1
	HUNTINGTON	51	39	59	27	45	-6	1.00	0.33	0.89	9.43	165	40.05	112	89	59	0	2	4	1
WI	EAU CLAIRE	43	29	49	22	36	-5	0.00	-0.47	0.00	10.89	178	38.80	132	83	45	0	5	0	0
	GREEN BAY	45	29	49	23	37	-5	0.00	-0.51	0.00	5.46	101	26.32	103	82	53	0	6	0	0
	LA CROSSE	44	29	50	23	37	-7	0.06	-0.41	0.04	7.05	124	29.74	102	90	48	0	5	2	0
	MADISON	43	27	46	22	35	-8	0.05	-0.46	0.05	4.84	89	24.50	84	88	57	0	7	1	0
	MILWAUKEE	44	34	47	26	39	-7	0.00	-0.57	0.00	4.50	76	25.12	84	76	58	0	3	0	0
WY	CASPER	32	14	55	9	23	-17	0.13	-0.08	0.12	1.66	76	6.56	56	87	64	0	7	2	0
	CHEYENNE	30	16	52	8	23	-16	0.98	0.86	0.27	3.03	136	9.49	66	94	81	0	7	6	0
	LANDER	28	10	54	-3	19	-20	0.60	0.33	0.31	2.18	84	7.51	63	91	68	0	7	2	0
	SHERIDAN	32	10	51	0	21	-18	0.10	-0.14	0.09	2.99									

National Agricultural Summary

October 28 - November 3, 2002

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Cold weather halted most winter wheat development in the northern Great Plains and sharply curtailed vegetative growth in the central Great Plains and Corn Belt. However, topsoil moisture was adequate and daytime temperatures were warm enough to promote germination of the soft red winter wheat in the southern and eastern Corn Belt. Row crop harvest continued with only brief rain delays in

the Corn Belt but remained slow across most of the South due to persistent rain. The longest harvest delays were along the Gulf Coast and interior areas of the southern Great Plains and Southeast. Interior areas of the Mississippi Delta and the Atlantic Coastal Plain remained relatively dry, and the harvest pace accelerated. Dry weather also supported fieldwork in the Southwest.

Corn: Harvest was 77 percent complete, slightly less than last year's 78 percent and about 5 days behind the 84-percent average for this date. Favorably dry weather supported harvest in the Corn Belt most of the week, but nearly all areas experienced at least brief delays due to rain or snow. Michigan, Minnesota, and Ohio growers led the harvest pace, reaping almost one-fifth of their acreage during the week. At the end of the week, progress was well ahead of normal in Michigan and Ohio. In contrast, harvest remained well behind normal in Minnesota and most other areas of the northwestern Corn Belt and adjacent parts of the Great Plains. Wisconsin and South Dakota lagged the most, with only about one-half of the crop harvested. Elsewhere, harvest was nearly complete along the southern boundary of the Corn Belt.

Soybeans: Harvest progressed to 87 percent complete, compared with last year's 89-percent pace and the 5-year average of 92 percent. Harvest neared completion in the Corn Belt, led by Iowa's 98 percent. Illinois and Michigan closely followed Iowa, with 96 percent harvested. In contrast, harvest lagged in Missouri and Wisconsin, at 79 and 78 percent, respectively. Farther south, along the lower Ohio Valley, Tennessee Valley, and Mississippi Delta, harvest was far behind normal. In Louisiana, harvest advanced only 2 percentage points and fell 31 percentage points behind the 5-year average due to persistent heavy rain. In addition, harvest was 24 percentage points behind normal in Tennessee, 19 percentage points behind in Arkansas and Kentucky, and 15 percentage points behind in Mississippi.

Winter wheat: Ninety percent of the acreage was planted, and 80 percent was emerged. Planting trailed last year's 94-percent pace, but equaled the 5-year average. Emergence matched last year's pace and exceeded the 5-year average of 76 percent. Planting was complete in some areas, but rain hindered progress in most areas where sowing remained unfinished. Seeding was most active in Arkansas, advancing 10 percentage points, but progress remained far behind the 5-year average. In Oregon, planting was active despite unfavorably dry soils. Favorable topsoil moisture aided rapid emergence of recently planted fields in the lower Mississippi Valley and southern and eastern Corn Belt, but below-normal temperatures limited vegetative growth. In the northern Great Plains, a mixture of wintry precipitation provided adequate moisture for germination and growth, but extremely cold weather nearly halted emergence and virtually prevented above-ground development. Cold weather also hampered emergence and growth in the central Great Plains.

Cotton: Harvest reached 53 percent, but picking was slow in most areas. Consequently, progress fell further behind last year's pace--when 70 percent was picked by this date--and the 5-year average of 69 percent. Heavy rain prevented picking along most of the Gulf Coast and scattered parts of the interior southern Great Plains and Southeast. Harvest was slowest in Texas and Louisiana, where producers picked just 2 percent of their acreage during the week. In the interior Mississippi Delta, rain delays were shorter. Arkansas and Mississippi producers picked 8 percent of their crop, and Tennessee growers picked 11 percent. Elsewhere, dry weather aided picking in the Southwest, where harvest advanced 10 and 15 percentage points, respectively, in Arizona and California.

Sorghum: Harvest was 70 percent complete, well behind last year's 91 percent and the 5-year average of 87 percent. Widespread precipitation limited harvest, especially on the southern Great Plains, where Texas and Oklahoma growers threshed just 1 percent of their fields during the week. In the central and northern Great Plains, rain delays were shorter, but progress remained slow in most areas. Colorado and South Dakota led the harvest pace with 16 and 13 percent advancements, respectively. In Kansas, harvest lagged more than 2 weeks behind normal.

Other Crops: The peanut harvest, at 75 percent complete, fell well behind last year's pace of 89 percent and the 5-year average of 86 percent. Rain limited digging along the eastern Gulf Coast and southern Great Plains. Harvest was nearly 2 weeks behind normal in Texas due to unfavorably wet soils.

The sugar beet harvest advanced to 94 percent complete in the four major sugar beet-producing States. Progress matched last year and the average for this date. Very dry weather supported a rapid harvest pace in Michigan and mostly dry weather aided progress in Idaho. Cold weather extending from the Pacific Northwest to the Great Lakes maintained the quality and sucrose content of piled beets.

The sunflower harvest progressed to 66 percent complete, well behind last year's 88 percent and the 5-year average of 84 percent. Harvest steadily advanced in Colorado and North Dakota but very slowly progressed in Kansas and South Dakota.

Crop Progress and Condition

Week Ending November 3, 2002

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

Winter Wheat Percent Planted				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
AR	43	33	62	65
CA	35	30	29	24
CO	100	100	100	100
ID	100	98	99	97
IL	97	94	92	95
IN	94	89	85	93
KS	96	95	99	96
MI	100	98	95	98
MO	78	74	79	81
MT	100	98	99	98
NE	100	100	100	100
NC	26	23	60	43
OH	98	95	93	97
OK	92	91	95	87
OR	79	70	98	91
SD	100	100	100	99
TX	86	83	91	83
WA	99	99	100	99
18 Sts	90	89	94	90

These 18 States planted 90% of last year's winter wheat acreage.

Winter Wheat Percent Emerged				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
AR	32	19	39	40
CA	15	10	14	10
CO	98	93	97	95
ID	65	56	77	76
IL	85	70	73	77
IN	77	64	68	76
KS	87	81	92	86
MI	84	75	71	84
MO	62	52	54	58
MT	83	80	79	79
NE	98	96	100	99
NC	20	16	29	22
OH	87	72	78	82
OK	85	82	79	71
OR	27	22	65	63
SD	93	87	91	89
TX	77	70	72	63
WA	91	90	94	95
18 Sts	80	74	80	76

These 18 States planted 90% of last year's winter wheat acreage.

Soybeans Percent Harvested				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
AR	59	50	81	78
IL	96	92	91	96
IN	93	89	83	94
IA	98	96	94	98
KS	81	78	96	92
KY	61	57	82	80
LA	67	65	96	98
MI	96	91	62	85
MN	91	87	99	98
MS	78	75	94	93
MO	79	77	78	85
NE	89	86	97	96
NC	14	12	45	29
ND	95	92	99	98
OH	92	86	90	94
SD	91	88	98	97
TN	47	41	63	71
WI	78	69	83	94
18 Sts	87	84	89	92

These 18 States harvested 96% of last year's soybean acreage.

Corn Percent Harvested				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
CO	65	56	88	80
IL	91	84	86	91
IN	78	66	63	79
IA	76	61	73	88
KS	95	92	98	97
KY	96	93	97	95
MI	74	55	46	55
MN	71	52	85	91
MO	95	94	90	91
NE	64	58	81	83
NC	83	82	99	97
ND	70	55	89	86
OH	75	57	57	65
PA	74	65	72	59
SD	54	45	81	78
TN	99	*98	99	100
TX	99	98	99	99
WI	49	36	53	66
18 Sts	77	66	78	84

These 18 States harvested 95% of last year's corn acreage.

Cotton Percent Harvested				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
AL	49	45	57	72
AZ	63	53	62	58
AR	65	57	87	89
CA	80	65	78	63
GA	51	46	59	59
LA	64	62	92	97
MS	60	52	87	94
MO	67	61	89	86
NC	47	43	58	51
OK	39	35	53	59
SC	44	41	56	59
TN	58	47	85	89
TX	42	40	60	56
VA	66	60	68	52
14 Sts	53	48	70	69

These 14 States harvested 98% of last year's cotton acreage.

Sorghum Percent Harvested				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
AR	100	99	100	100
CO	68	52	79	57
IL	95	88	94	92
KS	59	56	95	90
LA	98	97	100	100
MO	90	88	89	90
NE	75	72	88	89
NM	31	26	49	47
OK	77	76	75	69
SD	79	66	93	85
TX	79	78	90	88
11 Sts	70	67	91	87

These 11 States harvested 98% of last year's sorghum acreage.

Peanuts Percent Harvested				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
AL	84	83	88	92
FL	96	95	98	97
GA	86	81	97	95
NC	77	75	93	81
OK	76	72	82	81
TX	41	36	70	62
VA	89	81	100	98
7 Sts	75	71	89	86

These 7 States harvested 98% of last year's peanut acreage.

Crop Progress and Condition

Week Ending November 3, 2002

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

Sugar Beets Percent Harvested				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
ID	78	55	89	84
MI	91	48	77	85
MN	99	95	99	99
ND	100	100	100	100
4 Sts	94	81	94	94
These 4 States planted 81% of last year's sugar beet acreage.				

Sunflowers Percent Harvested				
	Nov 3 2002	Prev Week	Prev Year	5-Yr Avg
CO	61	48	80	56
KS	63	61	94	89
ND	58	44	89	85
SD	80	74	87	87
4 Sts	66	56	88	84
These 4 States harvested 89% of last year's sunflower acreage.				

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	3	36	54	7
CA	10	30	20	40	0
CO	1	11	51	34	3
ID	1	10	35	52	2
IL	0	2	24	66	8
IN	0	1	35	56	8
KS	2	5	35	51	7
MI	1	5	33	52	9
MO	0	5	40	55	0
MT	3	11	33	52	1
NE	8	5	37	47	3
NC	0	5	12	78	5
OH	0	2	24	60	14
OK	0	3	31	48	18
OR	36	10	40	14	0
SD	4	10	32	43	11
TX	0	2	24	52	22
WA	3	16	56	23	2
18 Sts	2	6	34	48	10
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	5	14	35	39	7

National crop conditions for selected States are weighted based upon the year 2001 planted acres.

VP - Very Poor

P - Poor

F - Fair

G - Good

EX - Excellent

*** - Revised**

NA - Not Available

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 2.4. Topsoil 0% very short, 1% short, 45% adequate, 54% surplus. Corn 99% harvested, 100% 2001, 100% average. Soybeans 43% harvested, 29% 2001, 59% avg.; 20% very poor, 28% poor, 28% fair, 24% good, 0% excellent. Wet weather delayed row crop harvest.

ALASKA: DATA NOT AVAILABLE

ARIZONA: Temperatures throughout the state were below average for the week. Cotton harvest was 63% complete, slightly ahead of last year's rate, ahead of the 58% 5-yr avg. Alfalfa harvest was mostly moderate to active, with mostly good conditions reported. Sheep continue to move onto alfalfa fields, graze on the winter pasture. Significant rainfall during the last several weeks has improved range, pasture feeds. Seven of 17% reporting stations are above 50% of normal precipitation levels for this time of year.

ARKANSAS: Days suitable for fieldwork 3.2. Soil 0% very short, 7% short, 64% adequate, 29% surplus. Sorghum 100% harvested, 100% 2001, 100% 5 yr. avg.; (when it reached 50% harvested): 1% very poor, 5% poor, 27% fair, 53% good, 14% excellent; Corn 100% harvested, 100% 2001, 100% 5-yr. avg.; (at 50% harvested) 0% very poor, 2% poor, 27% fair, 45% good, 26% excellent. Soybeans 100% yellowing, 100% 2001, 97% 5-yr. avg.; 98% shedding, 99% 2001, 97% 5 yr.-avg.; 95% mature, xx% 2001, 87% 5 yr.-avg. from '96-2000. 59% harvested, 81% 2001, 78% 5 yr. avg.; 50% harvested 2% very poor, 12% poor, 29% fair, 41% good, 16% excellent. Cotton 65% harvested, 87% 2001, 89% 5-yr. avg.; 50% harvested, 4% very poor, 7% poor, 24% fair, 59% good, 6% excellent. Rice 98% harvested, 100% 2001, 99% 5-yr. avg.; (at 50% harvested) 1% very poor, 5% poor, 25% fair, 44% good, 25% excellent. Wheat 43% planted, 62% 2001, 65% 5-yr. avg.; 32% emerged, 39% 2001, 40% 5-yr. avg. Other Hay 4% very poor, 10% poor, 37% fair, 44% good, 5% excellent. Pasture, Range feed 4% very poor, 16% poor, 44% fair, 32% good, 4% excellent. Revisions: No revisions made to previous week. FIELD CROP: Wet weather has delayed all field work. Sorghum harvest is virtually complete with rice harvest not far behind. Soybean, cotton harvest continue to be hampered by excessive rains, humid, wet conditions. Many counties are reporting that cotton quality is deteriorating, yield is dropping because producers are unable to get it out of the wet fields. Winter wheat, other cool season forages such as oats, ryegrass, clover are being planted when possible. More counties are reporting that there will be much less wheat planted this year because of inability to get into the fields. LIVESTOCK, PASTURE, RANGE: Cattle continue in good condition. Cattle are still being worked, vaccinated. Older cows are being culled, sold. Calves also are being weaned, sold. Some pastures complete.

CALIFORNIA: The cotton harvest was in full swing, with harvesting complete in several areas. Some growers were set to start a second picking of Pima cotton. Harvested cotton fields were shredded, disced to comply with pink bollworm plow-down requirements. Cutting, windrowing and baling of alfalfa hay continued in several areas. New fields of winter forage, alfalfa hay were planted, while recently planted fields continued to show good progress. Winter wheat planting continued in the San Joaquin Valley. Planting of other small grains continued in a few fields. Preparation for fall planting of winter grains was ongoing in other areas. Silage corn harvesting was winding down

for the season. Harvested fields were being pre-irrigated for the next crop. The dry bean harvest was nearly complete in many locations. Sugar beet harvesting was still underway, while fields planted for later harvest were maturing, nearly ready for harvest. Rice harvesting was coming to an end in most areas. Rice stubble was burned in a few fields. Table grape harvesting continued in late variety vineyards. Varieties picked, packed included Crimson Seedless, Red Globe. Raisin harvesting was mostly complete. Few vineyards still had trays to be picked up. Harvesting of wine, juice grapes continued, but was nearing completion. Cultivation for weed control and irrigation was still underway in harvested vineyards. Stone fruit growers prepared their trees for dormancy. Orchards were cultivated, pruned, irrigated, treated with herbicides. Tree fruit harvesting continued. Varieties picked included Pineapple, Smyrna quince, Wonderful pomegranates, Hachiya, Fuyu persimmons, Granny Smith apples. Strawberry harvesting continued in the Central Coast counties. Strawberries were also picked, sold at local roadside stands in Fresno, Tulare counties. Harvesting of kiwifruit continued. Weed control and whitewash applications were underway in citrus orchards. The Valencia orange harvest was nearly complete with very few still being picked. Navel orange picking was underway in most locations. Cooler temperatures were speeding up color break. Lemons, Satsuma mandarins, oroblanco, pummelos were picked and hauled to citrus packing houses. Olive harvesting continued in the Sanger district, but was nearing an end for commercial receivers. Almond, harvesting was complete in most locations. Harvested almond orchards were topped, pruned. Pistachio, walnut harvesting continued, but reached completion in many locations around the State. Harvested nuts were hauled to processors. Irrigation, pest control activities continued in many orchards. Lettuce, broccoli, cabbage, cauliflower harvesting continued in Fresno County. Irrigation, pest control applications were underway in maturing vegetable fields. A few cantaloupe fields remained to be harvested, but the summer melon season was essentially over. Field preparation was underway for planting garlic, onion, and other winter vegetables. The first plantings of cauliflower, broccoli were complete. Some fresh market tomato fields were sprayed for fungus, worms. Weed control activity commenced in bean and tomato fields. Pumpkin harvesting was complete in the Sacramento Valley. Some fall crop spinach was picked for processing. The following vegetables were also harvested: basil, carrots, cucumbers, daikon, eggplant, freezer lima beans, mustard greens, garlic, green onions, okra, peppers, parsley, squash. Poor winter pasture feeds predominated in central, northern state. Livestock were in poor or thin condition in some areas. Fall calving, lambing continued. Supplemental feeding of cattle was widespread with more hay being fed than normal. Mild daytime temperatures were beneficial for milk, egg production. Lambs were grazing on alfalfa, sudan grass pastures in the southern state desert area. In the central part of the State, ewes, baby lambs grazed on pastures or on stubble in harvested fields.

COLORADO: Days suitable for field work 3.2. Top soil 14% very short, 20% short, 64% adequate, 2% surplus. Subsoil 55% very short, 33% short, 12% adequate, 0% surplus. Temperature dropped well below seasonal norms for a majority of the week. Nearly all of state received some snow fall with areas in the high country getting up to 12 - 14 inches. Alfalfa 84% 4th cutting, 82% 2001, 87% avg. Sugar Beets 86% harvested, 81% 2001, 79 avg.

DELAWARE: Days suitable for fieldwork 2.30. Topsoil 2% short, 72% adequate, 26% surplus. Subsoil 3% very short, 22% short, 69% adequate, 6% surplus. Corn 96% harvested for grain, 86% 2001, 85% avg. Soybeans 23%, harvested 65% 2001, 50% avg. Sorghum 81% harvested, 45% 2001, 49% avg. Barley 23% fair, 69% good, 8% excellent; 86% planted, 90% 2001, 86% avg. Winter wheat 8% fair, 80% good, 12% excellent; 51% planted, 66% 2001, 59% avg. Range, Pasture feed 3% very poor, 13% poor, 41% fair, 34% good, and 9% excellent. Other hay fourth cutting 57%, 92% 2001, 94% avg. Alfalfa hay 4th cutting 92%, 100% 2001, 99% avg.; 5th cutting 39%, 44% 2001, 46% avg. Hay supplies 19% very short, 55% short, 25% adequate, 1% surplus. Very little field progress was made last week due to wet conditions. Consequently, harvesting, planting activities are falling behind schedule.

FLORIDA: Topsoil 1% very short, 24% short, 68% adequate, 7% surplus. Subsoil 3% very short, 29% short, 65% adequate, 3% surplus. Temperature average 3 to 6° above normal in major cities. Daytime highs: mostly in 70s, 80s; some central, southern Peninsula localities recorded at least one high in 90s. Nighttime lows: 40s, 50s across Panhandle, most northern, some central Peninsula areas; 60s, 70s elsewhere. Mostly cooler weather arrived in central, southern areas near middle to end of week. Rainfall range: 0.00 in. Immokalee, West Palm Beach, Lake Alfred to nearly 3.00 in. Marianna; reportedly, up to 8.00 in. Chipley area. Heavy rains, some Panhandle localities, replenished topsoil moisture with some surplus supplies reported. Some Big Bend, northern Peninsula, southeastern localities reported short to very short soil moisture. Peanut digging 96% done; 98% 2001, 97% 5-yr avg. Plentiful rains, Panhandle, in October, hampered both cotton, peanut harvesting; some peanuts abandoned; cotton picking well behind normal. Some open cotton bolls have seed starting to sprout in fields not yet picked. Some fields too muddy to support cotton harvesting equipment. Hay making continues as weather permits. Sugarcane harvesting continues, Everglades. Fall vegetable harvesting gaining momentum, central, southern Peninsula. Producers marketing tomatoes, peppers, snap beans, cucumbers, eggplant, okra, squash, sweet corn, watermelons. Tomato harvest, Quincy, nearly finished; fall crop yields reportedly below normal due to rain damage. Strawberry growers, Plant City, welcomed cooler temperatures which aid fruit development: transplanting winding up. Cold front citrus areas mid week; few showers; more rain needed; some irrigating. Early fruit rapidly maturing; some early crops being picked for direct processing. Fresh shipments of most early types of fruit continues. Most processors plan to be open by mid November. Caretakers cutting cover crops, spraying fresh crops, cleaning ditches. Pasture feed 25% fair, 70% good, 5% excellent. Cattle condition: 15% fair, 80% good, 5% excellent. Panhandle, north: permanent pasture grass growth slowing as temperatures cool; days shorten; planting of small grains for winter forage going well. Central: pasture feed improved from previous week. Statewide: cattle condition mostly good.

GEORGIA: Days suitable for field work 4.2. Soil 1% very short, 7% short, 76% adequate, 16% surplus. Cotton 14% very poor, 23% poor, 38% fair, 21% good, 4% excellent; 98% bolls open, 98% 2001, 97% avg. Peanuts 96% dug, 100% 2001, 98% avg. Rye 65% planted, 59% 2001, 66% avg. Sorghum 72% harvested for grain, 75% 2001, 80% avg. Soybeans 9% very poor, 18% poor, 50% fair, 21% good, 2% excellent; 92% dropping leaves, 96% 2001, 96% avg. Other small grains 53% planted, 47% 2001, 51% avg. Onions 0% transplanted, 3% 2001, 2% avg. Apples 95% harvested, 93% 2001, 96% avg. Pecans 8% very poor, 26% poor, 46% fair, 18% good, 2% excellent; 16% harvested, 16% 2001, 24% avg. The State experienced scattered showers, colder temperatures early last week. Rain kept fields moist, which slowed planting, harvesting. The weather benefitted soil moisture, but delayed field activities throughout the State. Peanut, hay, cotton, corn harvesting was delayed due to heavy rains. Cotton, pecans, peanuts deteriorated as a result of the weather. Cooler

temperatures reduced armyworms, plant disease problems. Winter plantings emerged nicely due to timely showers. Winter grains appeared in good condition. Activities: Cotton, hay harvest resumed weather permitting, apple harvesting neared completion, growers continued small grain planting.

HAWAII: A light to moderate wind pattern brought scattered, light showers to windward, mountain areas of the State during the past week. East state banana harvest was active. Light showers, sunny skies benefitted papaya orchards. Most vegetable crops remained in generally fair to good condition.

IDAHO: Days suitable for fieldwork 4.5. Topsoil 19% very short, 47% short, 33% adequate, 1% surplus. Potatoes 100% harvested, 100% 2001, 99% avg. Below normal weather conditions were experienced across the state last week. Snow, extreme cold weather slowed field work in areas of Eastern state. Alfalfa hay 96% 4th cutting harvested, 100% 2001, 91% avg. Field Corn 36% harvested for grain, 76% 2001, 48% avg. Apples 90% harvested, 100% 2001, 95% avg. Winter Wheat 1% very poor, 10% poor, 35% fair, 52% good and 2% excellent. Activities: planting fall grains, fall cultivation, harvesting potatoes, sugarbeets, alfalfa hay, corn for grain, apples.

ILLINOIS: Days suitable for fieldwork 4.1. Topsoil 5% very short, 20% short, 68% adequate, 7% surplus. Scattered showers across the state last week left many muddy fields which slowed fieldwork but did not shut it down completely. Activities: Seeding winter wheat, hauling grain, baling corn stalks, winterizing equipment, shelling corn, applying fertilizer, tilling.

INDIANA: Days suitable for fieldwork 4.4. Topsoil 6% very short, 16% short, 64% adequate, 14% surplus. Subsoil 16% very short, 32% short, 50% adequate, 2% surplus. Field activities slowed by showers, most areas early in the week. Temperatures were cooler than normal. Temperatures averaged 5° to 9° below normal. Precipitation averaged 0.00 to 1.67 inches. Corn harvest made good progress. Corn harvest 1 day behind average, 6 days ahead of last year. Soybean harvest 1 day behind average, 7 days ahead of last year. Corn, soybean yields highly variable. Lodging of corn plants, some fields. Soybean harvest complete on most farms. Pastures continued to improve, aided by recent rain. Pastures 13% very poor, 20% poor, 43% fair, 23% good, 1% excellent. Livestock remain in mostly good condition. Hay supplies scarce. Hay prices high. Fall calving active. Activities: Harvesting corn, soybeans, chopping, discing stalks, repairing equipment, chiseling soils, stripping tobacco, spreading fertilizer, lime, seeding winter wheat, drying, selling grain, hauling manure, taking care of livestock.

IOWA: Days suitable for fieldwork were 3.9. Topsoil 3% very short, 8% short, 79% adequate, 10% surplus. Subsoil 13% very short, 24% short, 58% adequate, 5% surplus. State's farmers resumed harvesting corn following rains over much of the state last Tuesday. Corn 76% harvest, still behind the norm of 88%. Rain, cold temperatures kept moisture levels for field, harvested corn equal to the previous week at 19 and 17%, respectively. Corn lodging showed slight deterioration, while the amount of corn ear droppage increased only marginally. State's soybean harvest is virtually complete at 98%, equal to the 5-yr average. As the amount of grain coming out of the fields slowed, movement of grain to the elevators also tapered off. Grain movement 22% none, 34% light, 30% moderate, 14% heavy. Storage availability at farms, elevators were virtually unchanged. Off-farm storage 25% short, 72% adequate, 3% surplus. On-farm storage 33% short, 64% adequate, 3% surplus. Statewide precipitation totals were below normal last week, but heavier amounts in southern state brought more of the state into the adequate category. Subsoil moisture levels were largely unchanged, while range, pasture feeds improved slightly. Corn

76% harvested, 73% 2001, 88% avg. Soybeans 98% harvested, 94% 2001, 98% avg.

KANSAS: Days suitable for fieldwork 1.1. Topsoil 3% very short, 10% short, 74% adequate, 13% surplus. Subsoil 19% very short, 38% short, 41% adequate, 2% surplus. Cool, damp conditions delayed harvest, wheat seedings across the State. Wheat pastured, 5%, NA 2001, avg. NA. Pasture feed 30% very poor, 26% poor, 30% fair, 13% good, 1% excellent.

KENTUCKY: Days suitable for fieldwork 1.8. Topsoil 3% short, 56% adequate, 41% surplus. Subsoil 2% very short, 9% short, 69% adequate, 20% surplus. Rainfall Statewide was 1.36 inches. Burley tobacco 41% stripped, 33% 2001, 28% avg. Stripped tobacco 1% very poor, 8% poor, 23% fair, 49% good, 19% excellent. Pasture feed 1% very poor, 8% poor, 25% fair, 47% good, 19% excellent. Winter wheat 60% seeded, 80% 2001, 83% avg.; 2% poor, 20% fair, 57% good, 21% excellent. Activities: Stripping tobacco, along with some soybean, corn harvesting.

LOUISIANA: Days suitable for fieldwork 1.5. Soil 1% short, 23% adequate, 76% surplus. Hay 98% 2nd cutting, 98% last week, 100% 2001, 100% avg. Pecans 35% harvested, 31% last week, 33% 2001, 33% avg. Soybeans 100% dropping leaves, 98% last week, 100% 2001, 100% avg. Sugarcane 20% very poor, 37% poor, 30% fair, 13% good; 100% planted, 99% last week, 100% 2001, 100% avg.; 31% harvested, 29% last week, 40% 2001, 36% avg. Sweet potatoes 68% harvested, 66% last week, 89% 2001, 90% avg. Winter wheat 23% planted, 21% last week, 45% 2001, 54% avg.; 11% emerged, 8% last week, 25% 2001, 30% avg. Livestock 1% very poor, 5% poor, 37% fair, 52% good, 5% excellent. Vegetables 7% very poor, 23% poor, 52% fair, 16% good, 2% excellent.

MARYLAND: Days suitable for fieldwork 2.50. Topsoil 1% very short, 8% short, 67% adequate, 24% surplus. Subsoil 12% very short, 42% short, 42% adequate, 4% surplus. Corn 93% harvested for grain, 90% 2001, 85% avg. Soybeans 34% harvested, 75% 2001, 60% avg. Sorghum 70% harvested, 80% 2001, 70% avg. Barley 1% poor, 20% fair, 64% good, 15% excellent; 95% planted, 95% 2001, 93% avg. Winter wheat 1% very poor, 2% poor, 29% fair, 59% good, 9% excellent; 58% planted, 75% 2001, 70% avg. Range, Pasture feed 2% very poor, 8% poor, 32% fair, 49% good, 9% excellent. Tobacco 26% stripped, 39% 2001, 21% avg. Other hay fourth cutting 81%, 99% 2001, 91% avg. Alfalfa hay fourth cutting 92%, 98% 2001, 96% avg. Alfalfa hay 5th cutting 34%, 71% 2001, 60% avg. Hay supplies 14% very short, 42% short, 43% adequate, 1 percent surplus. Soggy soil hindered field activity, allowing for little progress in planting small grains or harvesting soybeans. Dry, warmer weather is needed to evaporate excess soil moisture so that advancement in planting, harvesting activities may resume.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 10% very short, 25% short, 62% adequate, 3% surplus. Subsoil 20% very short, 35% short, 43% adequate, 2% surplus. All Hay 4th cutting 90%, 83% 2001, 88% avg. Temperatures ranged from 8 to 10° below normal State. Average precipitation amounts ranged from none most of southern Lower Peninsula to 0.48 inch eastern Upper Peninsula. Another cold week, with scattered rain, snow flurries. Corn harvest continued on schedule despite cold weather. Soybean harvest nearing completion. Sugarbeets had excellent quality. Some sugarbeets froze in ground due to cold temperatures, which caused some concern with handling them as they thaw. Winter wheat planting complete, but cold weather slowed down wheat growth. Apple harvest wrapping up, some pruning underway. Vegetable harvest complete with exception of carrots, cole crops.

MINNESOTA: Days suitable for field work 3.5. Topsoil 0% very short, 1% short, 79% adequate, 20% surplus. Corn 21% moisture, 19% 2001, 17% avg. Soybeans 15% moisture, 12% 2001, 11% avg. Pasture feed 6% very poor, 10% poor, 39% fair, 40% good, 5% excellent. Due to the amount of soil moisture present, some farmers need the ground to freeze to allow access into fields for harvesting, while others are wanting to avoid frost so that tillage can be completed. Field access was still being gained by farmers near the western, southern edges of the state. Continued dry conditions, sunshine are needed to dry crops to reasonable harvest moisture content.

MISSISSIPPI: Days suitable for fieldwork 2.0. Soil 15% adequate, 85% surplus. Cotton 60% harvested, 87% 2001, 94% avg. Rice 94% harvested, 99% 2001, 99% avg. Soybeans 78% harvested, 94% 2001, 93% avg. Sweetpotatoes 92% harvested, 96% 2001, 93% avg. Wheat 31% planted, 68% 2001, 71% avg.; 16% emerged, 47% 2001, 43% avg. Cattle 1% very poor, 6% poor, 24% fair, 58% good, 11% excellent. Crop harvesting continues to lag behind last year, 5-years average due to one of the wettest Octobers on record.

MISSOURI: Days suitable for fieldwork 1.5. Topsoil 12% very short, 28% short, 54% adequate, 6% surplus. Repeated showers, a general lack of drying weather kept harvesting progress to a minimum but the corn harvest is still over a week ahead of average. Corn harvesting ranges from about 90% in the north-central, northeast, east-central districts to virtually complete in the west-central, central districts as well as the southern third of the State. Soybean harvest varies from 57% in the southeast to 89% in the north-central, central districts of the State. Sorghum harvesting ranges from 76% in the central, east-central districts to 98% or more in the northwest, southwest, southeast. Winter wheat seeding varies from 75% in the west-central, central, south-central, southeast districts to 87% northwest, southwest. The wet weather has caused some delay in planting progress but helped get the new seedings off to a good start. Pasture feed 29% very poor, 32% poor, 27% fair, 11% good, 1% excellent. Pasture growth has been slow due to below normal temperatures. Rainfall for the week averaged 1.10 inches, ranging from less than 0.80 inch in the northern third of the State, the west-central district to 1.73 inches in the east-central district.

MONTANA: The state has experienced an abnormally cold week with a state wide low in Wisdom at -20 and high of 58 in Ennis. Most of the state received light precipitation in the form of snow during the week. Winter wheat planted 100% 99% 2001, 99% for the 5-yr avg. Emergence is at 83% compared to 79% 2001, 5-yr avg.; 3% very poor, 11% poor, 33% fair, 52% good, 1% excellent. 2001 14% very poor, 23% poor, 49% fair, 12% good, 2% excellent. Cattle, sheep movement from summer pastures is in its final stages.

NEBRASKA: Days suitable for fieldwork limited to 1.7. Subsoil very short or short across 80% of the state. Temperatures averaged 11 to 19° below normals for the week. Average temperatures during October were the fifth lowest of record. Precipitation for the week was statewide, fell as rain, snow with accumulated moisture amounts of over an inch occurring in a few Southwestern, South Central, Eastern counties. Corn harvest progress is the least percentage since 1993. The cold, wet conditions resulted in muddy feedlots stressing livestock.

NEVADA: DATA NOT AVAILABLE

NEW ENGLAND: Massachusetts Potatoes 100% harvested, 100% 2001, 100% avg.; condition good. Field Corn 99% harvested, 100% 2001, 99% avg.; condition good/fair. Third Crop Hay 99% harvested, 95% 2001, 95% avg.; condition fair. Apples 99% harvested, 100% 2001, 99% avg.; condition good/fair. Massachusetts Cranberries 99%

harvested, 99% 2001, 99% avg.; condition good/fair. Below average temperatures prevailed for the week. Potato harvest wrapped up in Massachusetts. A small number of Massachusetts farmers have yet to finish their cranberry harvest; most other state's crops have been harvested. Farmers continue to prepare their fields and equipment for winter.

NEW JERSEY: Days suitable for field work 3.8. Top soil 74% adequate, 26% surplus. A low pressure system moved through the region last week, bringing cooler temperatures, showers across the state. Activities: Equipment repair, field clean up, harvesting soybeans, field corn. Recent rains, wet field conditions hampered corn, soybean harvest activities for several days. Producers reported colder temperatures delayed small grain emergence in some fields. Livestock producers reported improved pasture feed due to recent rains. Pumpkin, sweet potato harvest was nearing completion in most areas. Vegetable producers continued harvesting broccoli, cauliflower, cabbage, kale as weather conditions permitted. Cranberry harvest continued on schedule, with crop condition rated as mostly good.

NEW MEXICO: Days suitable for field work 4.0. Topsoil 9% very short, 39% short, 52% adequate. A slow moving storm system crossed the state early in the week bringing precipitation to much of the state on Monday, Tuesday. A cold front pushed through the eastern plains on Wednesday with reinforcements at the end of the week. Much of the eastern half of the state was dominated by cool air with low clouds, drizzle through the latter half of the work week. Some clearing occurred on Saturday, but another front pushed through on Sunday. Temperatures were well below normal in the northeast, east, within a few degrees of normal across the rest of the state. All areas except the southwest reported precipitation, with Farmington, Chama, Raton, Gran Quivira all receiving near half an inch. Freeze damage was 21% light, 6% moderate, and 4% severe. Farmers spent the week waiting for dry weather so harvest could continue. Cotton is in mostly fair to excellent condition with 35% harvested. Irrigated sorghum is in fair to good condition, 42% harvested. Dryland sorghum remains in very poor to fair condition with 24% of the crop harvested. Corn harvested for grain is almost finished at 95%. The fall onion planting is also almost complete at 98%. Peanuts are suffering from the constant rainfall in the eastern part of the state, with only 63% of the crop harvested, reports of rotting, sprouting. Lettuce 62% harvested, the red chile harvest 56% complete. Alfalfa 7% very poor, 14% poor, 50% fair, 24% good, 5% excellent. The 6th cutting is 95% complete, 7th is 80% complete. There are reports of severely rain damaged cut hay. Ranchers spent the week maintaining herds, tanks. Culling, supplemental feeding continue. Cattle 9% very poor, 21% poor, 35% fair, 34% good, 1% excellent. Sheep conditions 11% very poor, 32% poor, 28% fair, 25% good, 4% excellent. Range, pasture feeds 26% very poor, 44% poor, 26% fair, 4% good.

NEW YORK: Days suitable 4.3. Topsoil 3% short, 83% adequate, 14% surplus. Cool, dry week. Temperatures averaged 8 to 13° below normal. Dry bean, soybean harvests nearing completion. Grain corn harvest still active. Most vegetable harvests complete, except a few potatoes, cabbage. Growers moving onions, potatoes into storage. Milk prices remain low, are having a depressing effect on the agricultural community. Cow, heifer prices dropping as a result of the poor dairy situation. Activities: Spreading manure, fall tillage, servicing machinery for winter storage.

NORTH CAROLINA: Days suitable for fieldwork 2.5. Soil 0% very short, 2% short, 60% adequate, 38% surplus. Prolonged wet weather continues to hinder crop harvest, small grain plantings, but it has improved pasture feeds. Crops should be drying in the field at this time of year, but instead have a high moisture content. Some farmers managed to make modest progress with their crop harvests. Activities: Stripping burley tobacco, marketing tobacco, equipment maintenance.

NORTH DAKOTA: Days suitable for fieldwork 4.4. Topsoil 13% very short, 28% short, 54% adequate, 5% surplus. Subsoil 19% very short, 29% short, 49% adequate, 3% surplus. Another week of poor drying conditions slowed harvest progress throughout the state. Dry edible beans 96% combined, 100% 2001, 100% average. Emerged crop conditions: Sunflower 3% very poor, 9% poor, 31% fair, 50% good, 7% excellent. Pasture, range feeds 37% very poor, 29% poor, 21% fair, 12% good, 1% excellent. Stockwater supplies were 20% very short, 22% short, 57% adequate, 1% surplus.

OHIO: Days suitable for fieldwork 4.0. Topsoil 9% very short, 21% short, 62% adequate, 8% surplus. Corn 75% harvested for grain, 57% 2001, 65% avg. Soybeans 92% harvested, 90% 2001, 94% avg. Fall, winter apples 94% harvested, 93% 2001, 94% avg. Tobacco 34% stripped, 26% 2001, 23% avg. Winter wheat 98% planted, 93% 2001, 97% avg.; 87% emerged, 78% 2001, 82% avg. Pasture feed 12% very poor, 21% poor, 37% fair, 27% good, 3% excellent. Winter Wheat 0% very poor, 2% poor, 24% fair, 60% good, 14% excellent. Livestock 1% very poor, 4% poor, 21% fair, 62% good, 12% excellent. Producers were busy harvesting corn, soybeans last week, came close to finishing winter wheat planting. They also hauled manure, spread lime, tilled soil, moved cattle to market, repaired fences.

OKLAHOMA: Days suitable for fieldwork 1.0. Subsoil 1% very short, 18% short, 65% adequate, 16% surplus. Topsoil 0% very short, 5% short, 55% adequate, 40% surplus. Winter Wheat 0% very poor, 3% poor, 31% fair, 48% good, 18% excellent. Rye 99% planted, 98% last week, 97% 2001, 90% avg.; 97% emerged, 96% last week, 87% 2001, 81% avg.; 1% very poor, 2% poor, 15% fair, 49% good, 33% excellent. Oats 91% seedbed prepared, 90% last week, 90% 2001, 95% avg.; 57% planted, 56% last week, 60% 2001, 68% avg.; 52% emerged, 50% last week, 49% 2001, 45% avg.; 0% very poor, 4% poor, 36% fair, 54% good, 6% excellent; Corn 97% harvested, 93% last week, 100% 2001, 100% avg. Sorghum 96% coloring, 95% last week, 100% 2001, 100% avg. Soybeans 96% mature, 95% last week, 95% 2001, 93% avg.; 74% harvested, 66% last week, 82% 2001, 73% avg. Peanuts 99% mature, 97% last week, 95% 2001, 97% avg.; 76% dug, 72% last week, 82% 2001, 81% avg.; 1% very poor, 11% poor, 40% fair, 47% good, 1% excellent. Cotton 9% very poor, 13% poor, 24% fair, 45% good, 9% excellent. Alfalfa 71% 5th cutting, 70% last week, 56% 2001, 48% avg.; 5% very poor, 5% poor, 27% fair, 58% good, 5% excellent. Other Hay 95% 2nd cutting, 94% last week, 85% 2001, 81% avg.; 6% very poor, 10% poor, 29% fair, 49% good, 6% excellent. Livestock 0% very poor, 4% poor, 27% fair, 62% good, 7% excellent; Livestock: Livestock auctions reported a significant decrease in marketings of steers, heifers less than 800 pounds. The price for feeder steers less than 800 pounds decreased an average of \$1.20 per cwt. from the previous week, averaged \$81.90 per cwt. The price for feeder heifers less than 800 pounds decreased an average of 20 cents per cwt. from the previous week, averaged \$76.40 per cwt.

OREGON: Days suitable for fieldwork 6.1. Topsoil 52% very short, 36% short, 12% adequate. Subsoil 51% very short, 37% short, 12% adequate. Winter wheat 79% planted, 70% previous week, 98% 2001, 91% 5 yr avg.; 27% emerged, 22% previous week, 65% 2001, 63% 5 yr avg.; 36% very poor, 10% poor, 40% fair, 14% good. Barley 32% planted, 20% previous week, 50% 2001, 52% 5 yr avg.; 12% emerged, 9% previous week. Range, Pasture 33% very poor, 36% poor, 22% fair, 9% good. Activities: Extremely dry conditions continued to be focus of producers. Fall seedings are approaching completion, but emergence spotty. Lack of moisture has caused some producers to delay chemical applications. Dry conditions have caused concern for how perennial grass fields will respond. Field corn harvest continued. Nurseries busy with fall digging, planting, marketing. Some Easter Lily growers still planting. Greenhouses worked with winter decorative plants & clean

up work. Irrigation continued. Christmas tree operators preparing for harvest. Fresh vegetables still available at some local markets in Willamette Valley. In Jackson County, a hard freeze killed most vegetable crops, but squash, pumpkins still being picked. Sugarbeet harvest continued in Malheur County. Reports of a smaller crop but higher sugar content. Potato harvest near completion in Klamath County. Hazelnut, wine grape harvest mostly complete. Cranberry harvest approximately 50% complete along southern state coast. Harvest has been slowed, due to lack of water for flooding beds. Some cranberry growers frost protecting with sprinklers. Unprotected cranberries may have been hurt by freezing temperatures. Unseasonably cold conditions also curtailed orchard activities in Wasco County. Pear, apple harvest mostly complete in Jackson County. Livestock reported in fair to good condition, most are on supplemental feed. Pasture regrowth has been spotty. In Klamath County, movement of cattle to California has been slowed due to dry conditions in state. Dust problems in freshly weaned calves continued to be a problem in Harney County.

PENNSYLVANIA: Days suitable for field work 3.0. Soil 7% short, 63% adequate, 30% surplus. Fall plowing 74% complete, 80% 2001, 80% avg. Corn 74% harvested, 72% 2001, 59% avg. Barley 98% planted, 97% 2001, 97% avg.; 94% emerged, 86% 2001, 87% avg. Winter wheat 92% planted, 96% 2001, 91% avg.; 79% emerged, 80% 2001, 73% avg. Soybean 28% very poor, 23% poor, 30% fair, 19% good; 39% harvested, 80% 2001, 62% avg. Alfalfa 4th cutting 86% complete, 94% 2001, 91% avg. Apples 95% harvested, 98% 2001, 92% avg. Quality of hay made 18% very poor, 25% poor, 33% fair, 14% good, 10% excellent. Pasture feeds 9% very poor, 11% poor, 38% fair, 39% good, 3% excellent. Activities: Harvesting grain, forages; repairing, winterizing machinery, buildings; hauling, spreading lime, manure; fertilizing; caring for livestock; cutting firewood, attending meetings.

SOUTH CAROLINA: Days suitable for field work 4.7. Soil 9% short, 77% adequate, 14% surplus. Soybeans 90% leaves turning color, 97% 2001, 98% avg.; 70% leaves dropped, 84% 2001, 77% avg.; 50% mature, 68% 2001, 56% avg.; 20% harvested, 27% 2001, 22% avg.; 21% very poor, 37% poor, 27% fair, 15% good. Sorghum 100% matured, 100% 2001, 100% avg.; 97% harvested, 90% 2001, 86% avg.; 7% very poor, 20% poor, 22% fair, 51% good. Cotton 98% bolls opened, 99% 2001, 99% avg.; 44% harvested, 56% 2001, 59% avg.; 38% very poor, 43% poor, 19% fair. Peanuts 78% harvested, 94% 2001, 87% avg.; 7% very poor, 29% poor, 35% fair, 22% good, 7% excellent. Winter Wheat 40% planted, 26% 2001, 29% avg.; 30% emerged, 19% 2001, 20% avg.; 15% poor, 85% fair. Barley 65% planted, 68% 2001, 74% avg.; 48% emerged, 49% 2001, 51% avg.; 62% fair, 38% good. Pastures 2% very poor, 3% poor, 39% fair, 53% good, 3% excellent. Rye 60% planted, 52% 2001, 61% avg.; 45% emerged, 37% 2001, 46% avg.; 84% fair, 16% good. Oats 62% planted, 64% 2001, 63% avg.; 51% emerged, 44% 2001, 44% avg.; 3% poor, 44% fair, 53% good. Sweet potatoes 94% harvested, 96% 2001, 91% avg.; 20% poor, 55% fair, 25% good. Tobacco 100% stalks destroyed, 100% 2001, 100% avg. Apples 97% harvested, 99% 2001, 97% avg.; 65% fair, 34% good, 1% excellent. Livestock 1% very poor, 2% poor, 37% fair, 59% good, 1% excellent. Pecans 35% harvested, 39% 2001, 37% avg.; 10% very poor, 15% poor, 70% fair, 5% good. Winter Grazings 67% planted, 75% 2001, 80% avg.; 58% emerged, 57% 2001, 63% avg.; 2% poor, 60% fair, 36% good, 2% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 3.5. Topsoil 18% very short, 24% short, 53% adequate, 5% surplus. Subsoil 29% very short, 26% short, 43% adequate, 2% surplus. Feed supplies 27% very short, 32% short, 40% adequate, 1% surplus. Stock water supplies 33% very short, 26% short, 40% adequate, 1% surplus. Winter rye 10% very poor, 2% poor, 39% fair, 34% good, 15% excellent; 97% emerged, 100% 2001, 99% avg. Sorghum 79% harvested-grain, 93% 2001, 85% avg.; 100% silage harvested, 100% 2001, 98% avg. Sunflower 80% harvested, 87% 2001, 87% avg. Cattle 5% very poor, 7% poor, 30%

fair, 48% good, 10% excellent. Sheep 6% very poor, 8% poor, 23% fair, 54% good, 9% excellent. Range, Pasture 30% very poor, 27% poor, 27% fair, 14% good, 2% excellent. The cool wet weather of last week caused the drying of crops in the field to slow down, crop harvest to fall even farther behind. Activities: Harvesting row crops, fall plowing, baling corn stalks, weaning, selling calves, moving cattle to fall grazing.

TENNESSEE: Days suitable for fieldwork 3.0. Topsoil 2% short, 75% adequate, 23% surplus. Subsoil 2% very short, 10% short, 69% adequate, 19% surplus. Burley 42% stripped, 40% 2001, 46% avg. Wheat 46% seeded, 55% 2001, 63% avg.; 27% emerged, 14% 2001; 1% poor, 27% fair, 51% good, 21% excellent. Pastures 8% poor, 26% fair, 51% good, 15% excellent. Rainfall continued to hamper State's farmers as they tried to wrap-up fall harvest and seedings. Cotton harvest continued to lag about three weeks behind normal, producers have become increasingly concerned about crop quality. Soybean harvest, wheat seedings lag nearly two full weeks behind the five-year average. Activities: Stripping burley, cutting hay, planting strawberries. Tobacco growers are concerned with the high moisture content in barns causing damage to their crop. Pasture feeds improved slightly with the recent rainfall. A few hay producers were able to get additional late cuttings last week.

TEXAS: Agricultural Summary: Conditions for harvest, planting remained undesirable during the week. Cloudy skies, intermittent rain showers covered the state for most of the week. Some areas received as much as five to six inches of rainfall. Freezing temperatures occurred in areas of the Plains. In locations that did not receive additional rainfall, drying out from previous rains was slow due to cool, cloudy weather. Some crop quality damage is expected on unharvested crops due to these conditions. Adequate moisture levels continued to benefit small grain producers, however planting was on hold due to wet conditions. Range, pasture dormancy continued with respect to the cool weather, however some forage growth was still active in extreme southern areas. Growth of winter grasses continued across most areas of the state. Sickness, isolated death loss was a problem in some livestock herds as the result of the wet, cool conditions. Supplemental feeding continued to increase in many areas as a result of the cool, wet weather conditions. Small Grains: Planting was on hold across the state due to wet field conditions. Some areas received moderate to heavy amounts of moisture with accumulations varying across the state. The widespread rainfall has greatly enhanced growth of earlier planted small grains. Some producers that intend to graze their fields will wait for some drying before allowing livestock into the fields. Wheat 86% of normal compared with 49% 2001. Corn: Harvest remained mostly completed across the state as rainfall continued throughout the week. Several days of dry weather will be necessary before harvest can resume. Cotton: Harvest progress was limited across the state during the week as additional rainfall was received in most locations. Stringing out was a problem in some areas and further quality reduction was almost certain. Cotton 63% of normal compared with 48% 2001. Sorghum: Harvest of remaining sorghum was stalled as rainy conditions continued. Some dryland sorghum had been abandoned, grazing of fields continued in a few locations. Peanuts: Harvest was on hold across the state as conditions remained wet. Rot was becoming a concern where fields were extremely wet. Peanut 78% of normal compared to 62% 2001. Soybeans: Remaining harvest was on hold as conditions remained wet across the state. Rice: Ratoon crop harvest activity was on hold due to wet conditions. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley earlier planted peppers, onions, cabbage, green beans continued to make good progress. In a few locations, some fields had an excess of surface water, drying out is badly needed. Harvest of early season citrus continued slowly due to additional rainfall. In the San Antonio-Winter Garden good progress continued for earlier planted spinach, cabbage, carrot, tomatoes, green beans, onions. Some areas received heavy amounts of rain, some damage from washing-out continued to occur. Additional vegetable

planting was hampered by wet conditions. In East state harvest of remaining sweet potatoes was on hold due to wet conditions. Some producers were experiencing a souring problem due to wet conditions. In the High Plains pumpkin harvest continued in a few locations, however was on hold in most areas due to the wet conditions. Land preparation for next year's crops also was on hold across the Plains. Pecans: Harvest continued in a few isolated locations during the week. Continued rainfall in most areas prevented harvest. Range, Livestock: Pasture feeds varied across most areas of the state. Across the Plains, pastures have become dormant as light freezes occurred in some locations. Elsewhere, some pastures continued to be productive, but were extremely wet, boggy. Livestock trampling was becoming a problem in the wettest areas. Emergence, growth of winter forages progressed statewide, but warmer and drier conditions were needed. Some cattle herds continued to be kept out of grain fields due to the wet conditions. Supplemental feeding continued, increased in some locations due to the cool, wet conditions. Sickness in livestock was an increasing problem for some producers.

UTAH: Days suitable for field work 6. Topsoil 12% very short, 31% short, 57% adequate. Subsoil 30% very short, 36% short, 34% adequate. Winter wheat 88% emerged, 63% 2001, 88% avg. Corn 96% mature, 100% 2001, 98% avg.; 42% harvested for grain, 80% 2001, 64% avg.; 2% very poor, 6% poor, 36% fair, 41% good, 15% excellent. Cattle 3% very poor, 12% poor, 43% fair, 36% good, 6% excellent. Sheep 11% poor, 37 fair, 47% good, 5% excellent. Range, Pasture feed 29% very poor, 37% poor, 24% fair, 10% good. Harvesting corn for grain, plowing fields were the primary farm activities last week. County agents in Cache, Millard, Sevier, Grand counties all reported significant frosts. Snow has stopped field work in some areas. Stock water supply shortages continued to be a concern for ranchers. Colder than average temperatures were the norm throughout the state. High temperatures ranged primarily in the 30's and 40's with 60's in southwest state.

VIRGINIA: Days suitable for fieldwork 2.6. Topsoil 1% very short, 7% short, 73% adequate, 19% excellent. Subsoil 16% very short, 32% short, 47% adequate, 5% surplus. Pasture 7% very poor, 17% poor, 39% fair, 32% good, 5% excellent. Livestock 1% very poor, 4% poor, 30% fair, 58% good, 7% excellent. Other Hay 5% very poor, 23% poor, 35% fair, 30% good, 7% excellent. Alfalfa Hay 3% very poor, 7% poor, 39% fair, 42% good, 9% excellent. Corn 95% harvested, 99% 2001, 88% 5-yr avg. Soybeans 20% very poor, 38% poor, 27% fair, 13% good, 2% excellent; 98% dropping leaves, 100% 2001, 97% 5-yr avg.; 36% harvested, 85% 2001, 47% 5-yr avg. Winter Wheat 41% seeded, 54% 2001, 46% 5-yr avg. Barley 92% seeded, 93% 2001, 83% 5-yr avg. Peanuts 89% dug, 100% 2001, 98% 5-yr avg.; 75% combined, 99% 2001, 94% 5-yr avg. Cotton 66% harvested, 68% 2001, 52% 5-yr avg. Winter Apples 99% harvested, 99% 2001, 91% 5-yr avg. State experienced another cool week receiving excellent rainfall. The precipitation helped boost fall pasture, hayfield conditions, as well as the small grain growth in the state. However, it put a damper on fall harvesting, small grain seeding. The rain also hampered the baling of hay that was on the ground. In fact, a few counties reported that no field work was done this week. There were reports of some diseases found in some soybean fields. Soil moisture continued to improve in many parts of the state. The cool, damp conditions have not affected the health of most older livestock, but have placed stress on the health of some weaned calves. Activities: Marketing livestock, feeding livestock, rotating livestock to fields with grass, soil sampling, soybean, cotton, peanut harvesting, small grain seeding.

WASHINGTON: Days suitable for fieldwork averaged 6.7. Topsoil 21% very short, 48% short, 31% adequate. Subsoil 9% very short, 56% short, 35% adequate. Irrigation water supplies were 1% short, 99% adequate. The highest temperature in the state was 64° in Pasco.

The lowest temperature in the state was 0° in Deer Park. Winter wheat 99% planted, 91% emerged, 3% very poor, 16% poor, 56% fair, 23% good, 2% excellent. Freezing temperatures were reported statewide. Cold temperatures, lack of precipitation hindered emerged winter wheat growth, development. Nursery producers irrigated ornamental containers to prevent plant desiccation. Christmas tree growers geared up to begin harvest next week. Field corn 8% fair, 92% good. Corn for grain 42% harvested. Potatoes 98% harvested. A small percentage of potatoes froze, were lost. Hay, other roughage 1% very short, 10% short, 89% adequate. Livestock producers fed additional hay due to cold temperatures and lack of forage in pastures. Many areas of state needed precipitation to improve pastures. While fields were dry, dairymen applied liquid manure. Cattle were moved to home ranges, while calves were sent to markets or feedlots. Range, pasture feeds 12% very poor, 48% poor, 31% fair, 9% good. Freezing temperatures damaged grapevines, late varieties of apples. Damage was specifically reported to Pink Lady, Fuji apple varieties. Pear harvest ended. Processing carrot harvest continued with some carrots being culled due to frost damage. Cold temperatures also brought an end to harvest for U-pick pumpkins, squash being left to mature. U-pick pumpkin producers wrapped up the last of their sales for 2002. Greenhouse tomato producers also ended their harvest due to low temperatures.

WEST VIRGINIA: Days suitable for fieldwork 3.4. Topsoil 14% short, 76% adequate, 10% surplus, 20% short, 70% adequate, 10% surplus, 32% very short, 51% short, 17% adequate in 2001. Corn 65% harvested for grain, 60% last week, 72% 2001, 73% 5-yr avg. Soybeans 55% harvested for grain, 53% last week, 73% 2001, 81% 5-yr avg. Winter wheat 2% poor, 20% fair, 78% good; 85% planted, 80% last week, 89% 2001, 82% 5-yr avg.; 76% emerged, 68% last week, 62% 2001. Apples 98% harvested, 92% last week. Cattle, calves 2% poor, 15% fair, 77% good, 6% excellent. Sheep, Lambs, 1% poor, 25% fair, 70% good, 4% excellent. Most of the state continued to receive welcomed rainfall at nearly double the normal amounts in most areas. The first widespread frost occurred on the 1st and 2nd of November. Snow was report in some areas. Feeding of hay to livestock was slowed due to continued slight pasture improvement from recent rains. Activities: Slowed by rainfall, included harvesting of fruit, corn, soybeans, planting winter wheat.

WISCONSIN: Days suitable for fieldwork 5.2. Topsoil 3% short, 72° adequate 25% surplus. A week of dry weather contributed to harvest progress. Precipitation was at trace levels for the week, allowing producers to advance with harvesting of both corn, soybeans. Cold temperatures continued for the third week in a row. State averaged 5 to 8° colder than normal. The drier weather was appreciated in the wet, northwestern counties, but harvest still lags due to wet fields. Some producers were trying to harvest early in the morning to avoid equipment getting stuck when fields softened in the afternoon. The dry week prompted producers to harvest crops on higher, dry ground and go around the wet spots. Farmers were busy switching from corn, soybean harvest to fall tillage, depending on local conditions. Pasture feed remained satisfactory, cattle were beginning to be moved to feedyards.

WYOMING: Days suitable for fieldwork 3.4. Topsoil 40% very short, 39% short, 21% adequate. Subsoil 54% very short, 33% short, 13% adequate. Corn 8% very poor, 9% poor, 14% fair, 67% good, 2% excellent. Winter wheat 1% very poor, 1% poor, 11% fair, 87% good. Corn 41% harvested for grain, 74% 2001, 59% average. Sugarbeets 99% harvested, 97% 2001, 96% average. Cattle 1% very poor, 5% poor, 34% fair, 60% good. Calves 1% very poor, 4% poor, 28% fair, 67% good. Sheep 6% poor, 37% fair, 56% good, 1% excellent. Lamb 3% poor, 29% fair, 68% good. Range, pasture feed 46% very poor, 22% poor, 19% fair, 13% good. Stock water supplies 43% very short, 33% short, 24% adequate.

International Weather and Crop Summary

October 27 - November 2, 2002

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

HIGHLIGHTS

EUROPE: In Germany and Poland, unseasonably heavy rain continued to hamper fieldwork and winter crop establishment, while beneficially dry weather aided fieldwork across southern Europe.

MIDDLE EAST: Across most of Turkey, dry weather favored winter wheat germination and cotton harvesting, while rain provided some moisture for winter wheat germination in northern Iran.

FSU-WESTERN: Light showers and seasonable temperatures in Ukraine and southern Russia favored winter wheat establishment, but caused some interruptions in late-season summer crop harvest.

EASTERN ASIA: Cool, dry weather slowed early winter wheat development.

SOUTHEAST ASIA: Showers slowed fieldwork throughout Indochina and the Philippines, but eased dryness in Java, Indonesia.

SOUTH ASIA: Heavy showers slowed fieldwork in southern India, while dry weather favored summer crop drydown and winter crop planting elsewhere.

NORTHWESTERN AFRICA: Across northwestern Africa, light rain increased topsoil moisture from the central coastal region of Algeria to northern Tunisia, as pre-planting winter grain fieldwork continued.

SOUTH AFRICA: Widespread showers continued across the corn belt, further improving moisture supplies for summer crop development.

AUSTRALIA: Showers brought some relief to summer crops in southern Queensland and northern New South Wales, but hot, dry weather returned by the end of the week, reinforcing the drought.

MEXICO: Widespread showers boosted irrigation supplies in Mexico's gulf coast region, while dry weather aided maturing corn across the Southern Plateau.

SOUTH AMERICA: Soaking rain covered recently dry crop areas of Brazil and Argentina, improving summer crop prospects and stabilizing drought-stressed coffee and citrus.

October 2002

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	LO	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	4	0	11	-10	2	-2.5	96	4
SWEDEN	GOTEBORG	8	2	15	-10	5	-3.5	73	-11
FINLAN	HELSINKI	4	-2	12	-15	1	-4.4	29	-46
UKINGD	ABERDEEN	11	6	19	-2	8	-0.8	229	145
	MANCHESTER	13	7	22	-1	10	-0.5	107	20
	CARDIFF	15	9	19	2	12	-0.3	176	69
	LONDON	15	9	22	1	12	0.0	60	-11
IRELAN	DUBLIN	13	7	19	0	10	-0.8	186	113
ICELAN	REYKJAVIK	7	4	15	-6	5	1.1	36	-41
DENMAR	COPENHAGEN	10	5	19	-4	7	-2.3	102	51
LUXEMB	LUXEMBOURG	13	7	18	0	10	0.4	142	58
SWITZE	ZURICH	14	8	21	2	11	1.3	128	43
	GENEVA	16	8	23	1	12	1.7	122	31
FRANCE	PARIS/ORLY	17	8	24	2	13	0.4	69	10
	STRASBOURG	16	8	22	-1	12	1.5	79	26
	BOURGES	17	8	22	3	13	1.2	75	9
	BORDEAUX	20	12	24	5	16	2.1	73	-21
	TOULOUSE	20	11	24	5	15	1.6	78	26
	MARSEILLE	21	13	24	6	17	1.2	49	-35
SPAIN	VALLADOLID	18	10	23	4	14	0.7	80	36
	MADRID	20	10	25	4	15	-0.1	54	16
	SEVILLE	26	16	32	10	21	1.0	17	-36
PORTUG	LISBON	22	16	27	12	19	1.3	126	50
GERMAN	HAMBURG	11	5	19	-2	8	-1.2	126	62
	BERLIN	12	6	20	1	9	-1.1	107	70
	DUSSELDORF	14	7	21	1	11	-0.9	61	-14
	LEIPZIG	12	6	19	0	9	-0.8	48	7
	DRESDEN	12	6	18	-1	9	-1.9	84	38
	STUTT GART	14	6	21	-2	10	0.0	96	37
	NURNBERG	13	6	19	-2	9	0.2	98	47
	AUGSBURG	13	5	22	-1	9	-0.1	93	38
AUSTRI	VIENNA	13	6	20	0	10	-1.1	108	72
	INNSBRUCK	15	5	22	-2	10	0.7	63	5
CZECHR	PRAGUE	11	5	17	1	8	-0.1	38	8
POLAND	WARSAW	10	4	18	-6	7	-1.0	63	24
	LODZ	10	4	18	-2	7	-1.9	70	37
	KATOWICE	11	4	18	-5	7	-1.8	84	36
HUNGAR	BUDAPEST	14	6	23	0	10	-0.3	51	12
YUGOSL	BELGRADE	18	10	26	4	14	1.3	61	10
ROMANI	BUCHAREST	16	6	23	-3	11	-0.6	86	45
BULGAR	SOFIA	17	7	27	-1	12	0.9	78	42
ITALY	MILAN	20	11	23	4	15	1.8	44	-73
	VERONA	18	10	21	5	14	1.1	45	-45
	VENICE	19	11	21	7	15	1.3	125	53
	GENOA	20	15	23	12	18	0.2	143	-32
	ROME	22	13	23	8	17	0.1	27	-88
	NAPLES	21	12	25	7	17	-0.5	41	-90
GREECE	THESSALONIKA	21	12	24	3	17	0.5	34	-11
	LARISSA	22	10	26	0	16	-0.2	89	41
	ATHENS	23	16	27	11	20	0.3	41	14
TURKEY	ISTANBUL	20	14	27	8	17	1.0	34	-33
	ANKARA	20	5	27	-5	12	1.2	11	-21
CYPRUS	LARNACA	29	18	34	14	23	1.5	3	-10
ESTONI	TALLINN	4	0	12	-11	2	-4.4	33	-40
RUSSIA	ST.PETERSBURG	3	-1	10	-5	1	-4.2	57	-5
LITHUA	KAUNAS	7	3	14	-4	5	-2.0	168	119
BELARU	MINSK	7	2	14	-3	4	-1.9	142	90
RUSSIA	KAZAN	6	1	13	-7	4	-0.1	84	34
	MOSCOW	5	1	12	-7	3	-2.4	125	61
	YEKATERINBURG	4	0	13	-9	2	-0.1	73	33
	OMSK	6	-1	18	-10	3	-0.2	36	8
KAZAKH	KUSTANAY	10	2	20	-8	6	1.8	19	-8
RUSSIA	BARNAUL	7	-1	19	-9	3	-0.5	38	-4
	KHABAROVSK	8	1	24	-9	4	-0.5	102	54
	VLADIVOSTOK	9	4	20	-4	7	-1.8	66	3
UKRAIN	KIEV	10	4	19	-1	7	-0.8	171	134
	LVOV	11	4	20	-2	8	-0.3	78	25
	KIROVOGRAD	11	4	20	-1	8	-1.0	67	40
	ODESSA	15	9	22	3	12	0.5	21	-8
	YALTA	18	12	24	5	15	0.9	199	157

Based on Preliminary Reports

October 2002

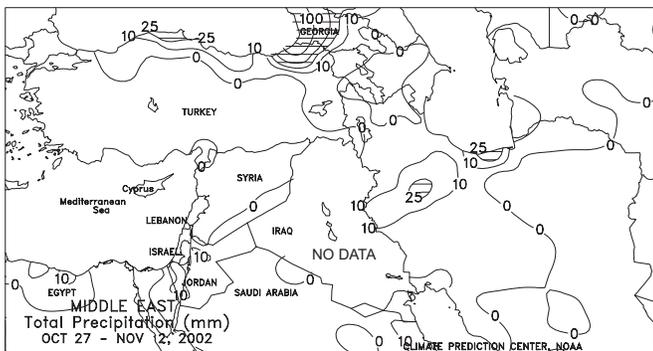
COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)			COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	F/NRM	TOTAL	DPART F/NRM			AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	F/NRM	TOTAL	DPART F/NRM
RUSSIA	SARATOV	8	4	16	-5	6	0.8	77	46	TANZAN	DAR ES SALAAM	31	21	33	19	26	0.9	51	-16
UKRAIN	KHARKOV	10	4	15	-2	7	-0.6	56	15	GABON	LIBREVILLE	29	23	30	21	26	0.2	340	-66
RUSSIA	VOLGOGRAD	12	5	20	-4	8	0.1	96	75	TOGO	LOME	31	24	35	22	28	1.3	47	-51
	ASTRAKHAN	16	7	26	0	12	2.0	14	-4	BURKIN	OUAGADOUGOU	34	25	37	20	29	0.0	39	6
	KRASNODAR	17	9	27	0	13	1.0	61	9	MOZAMB	MAPUTO	28	19	36	15	24	0.7	36	-23
	ORENBURG	10	3	21	-7	6	1.0	47	11	ZAMBIA	LUSAKA	30	17	34	13	24	-1.3	11	0
KAZAKH	TSELINOGRAD	10	0	22	-9	5	0.2	17	-12	ZIMBAB	KADOMA	31	17	35	12	24	-2.1	98	67
	KARAGANDA	11	-1	22	-10	5	1.3	17	-10	S AFRI	PRETORIA	28	14	35	9	21	0.9	48	-24
GEORGI	TBILISI	21	12	28	2	17	2.7	65	25		JOHANNESBURG	25	11	31	2	18	1.8	157	81
UZBEKI	TASHKENT	25	11	33	5	18	4.4	0	-27		BETHAL	26	10	33	-2	18	1.1	58	-26
TURKME	ASHKHABAD	27	13	37	6	20	4.4	0	-15		DURBAN	25	17	31	14	21	0.8	34	-68
SYRIA	DAMASCUS	30	13	38	6	21	3.1	4	-4		CAPE TOWN	21	11	33	4	16	0.0	26	-3
ISRAEL	JERUSALEM	27	18	37	15	22	2.9	2	-30	CANADA	TORONTO	13	5	30	-3	9	0.0	43	-21
PAKIST	KARACHI	36	23	41	21	30	1.7	0	***		MONTREAL	12	3	27	-5	7	-1.0	74	-6
INDIA	AMRITSAR	32	17	35	14	24	0.6	0	-15		WINNIPEG	5	-6	16	-13	-1	-5.8	13	-23
	NEW DELHI	33	20	38	16	27	0.4	1	-16		REGINA	5	-6	20	-20	-1	-5.4	15	-7
	AHMEDABAD	39	21	42	17	30	1.5	0	-20		SASKATOON	4	-6	17	-16	-1	-5.3	8	-8
	INDORE	35	17	37	13	26	0.8	0	-46		LETHBRIDGE	9	-5	20	-25	2	-4.8	18	-4
	CALCUTTA	32	23	35	16	28	-0.4	120	8		CALGARY	8	-4	18	-18	2	-3.4	24	10
	VERAVAL	36	23	40	21	30	1.3	0	-23		EDMONTON	6	-3	17	-17	2	-3.8	23	6
	BOMBAY	35	26	38	22	30	1.7	1	-97		VANCOUVER	13	7	16	-2	10	-0.3	18	-91
	POONA	33	19	37	11	26	1.0	14	-64	MEXICO	GUADALAJARA	***	***	28	12	***	***	56	-14
	BEGAMPET	32	20	36	15	26	0.2	96	-13		TLAXCALA	23	12	26	7	18	1.0	4	-58
	VISHAKHAPATNAM	31	25	34	22	28	0.4	120	-119		ORIZABA	24	16	28	13	20	1.6	168	-33
	MADRAS	32	25	36	23	28	0.1	539	255	BERMUD	ST GEORGES	28	23	29	19	25	0.8	115	-33
	MANGALORE	31	23	33	21	27	-0.5	575	377	BAHAMA	NASSAU	31	23	33	21	27	1.3	156	-9
HONGKO	HONG KONG INT	29	23	32	18	26	0.4	46	-73	CUBA	HAVANA	31	22	32	18	26	0.6	10	-176
N KORE	PYONGYANG	15	7	24	-3	11	-1.6	42	0	JAMAIC	KINGSTON	32	25	36	23	29	0.6	74	-54
S KORE	SEOUL	18	9	25	0	13	-1.4	53	-7	P RICO	SAN JUAN	31	24	33	23	28	0.1	117	-12
JAPAN	SAPPORO	16	9	25	3	13	1.3	152	24	GUADEL	RAIZET	31	24	33	22	28	0.6	189	-8
	NAGOYA	23	14	29	6	19	0.9	166	47	MARTIN	LAMENTIN	31	24	33	23	27	0.8	220	-22
	TOKYO	23	16	29	9	19	0.9	198	34	BARBAD	BRIDGETOWN	31	25	32	23	28	0.4	150	-17
	YOKOHAMA	22	15	29	9	19	0.8	195	-10	TRINID	PORT OF SPAIN	32	24	34	22	28	1.0	194	1
	KYOTO	23	14	29	5	18	0.2	99	-24	COLOMB	BOGOTA	20	9	22	2	14	0.8	56	-60
	OSAKA	23	16	29	8	20	0.7	122	10	VENEZU	CARACAS	33	26	35	22	30	2.2	51	3
THAILA	PHITSANULOK	33	23	34	20	28	-0.2	89	-66	F GUIA	CAYENNE	32	22	33	21	27	0.4	21	-60
	BANGKOK	33	23	35	21	28	-0.2	385	122	BRAZIL	FORTALEZA	30	25	31	23	28	-0.3	13	3
MALAYS	KUALA LUMPUR	33	24	35	23	29	1.8	288	38		RECIFE	29	26	30	22	28	-0.4	55	19
VIETNA	HANOI	29	23	35	19	26	0.3	131	-16		CAMPO GRANDE	35	24	39	19	30	4.1	191	46
CHINA	HARBIN	8	0	23	-7	4	-1.7	33	9	CUBA	FRANCA	32	20	39	16	26	3.7	46	-111
	HAMI	20	3	29	-5	12	1.6	0	-3		RIO DE JANEIRO	30	22	38	18	26	1.8	41	-41
	LANCHOW	18	6	25	0	12	2.0	22	3		LONDRINA	33	20	38	15	26	4.5	28	-120
	BEIJING	16	6	24	-3	11	-2.6	19	-1		SANTA MARIA	26	17	34	7	21	1.5	349	210
	TIENTSIN	16	7	25	-2	12	-2.9	15	-8		TORRES	23	18	28	10	20	-0.9	246	117
	LHASA	16	3	22	0	10	0.2	6	-3	PERU	LIMA	20	16	22	14	18	0.2	0	-3
	KUNMING	22	13	24	8	17	1.4	25	-52	BOLIVI	LA PAZ	14	2	19	-2	8	-1.1	124	80
	CHENGCHOW	21	10	33	0	16	0.4	18	-28	CHILE	SANTIAGO	22	7	28	2	15	0.3	3	-12
	YEHCHANG	23	14	35	9	19	0.6	75	-9	ARGENT	IGUAZU	28	19	36	11	23	1.2	302	89
	HANKOW	24	16	33	9	20	1.6	59	-35		FORMOSA	31	21	40	12	26	2.9	130	3
	CHUNGKING	24	17	31	12	20	2.1	49	-55		CERES	27	15	37	6	21	1.2	88	12
	CHIHKIANG	23	14	33	8	18	0.4	120	18		CORDOBA	27	13	39	3	20	1.8	86	17
	WU HU	24	14	34	7	19	1.3	58	-10		RIO CUARTO	24	13	38	4	19	1.5	302	207
	SHANGHAI	23	18	32	10	20	1.4	90	21		ROSARIO	25	15	34	5	20	2.4	260	164
	NANCHANG	24	16	33	10	20	0.3	107	49		BUENOS AIRES	24	14	33	5	19	2.4	68	-37
	TAIPEI	28	23	34	20	26	0.8	64	-80		SANTA ROSA	23	10	30	2	17	0.8	83	13
	CANTON	28	21	33	15	24	-0.2	129	42		TRES ARROYOS	21	10	29	2	15	1.8	111	29
	NANNING	28	18	33	12	23	-1.0	97	32	MARSHA	MAJURO	30	27	31	25	28	0.7	388	43
CANARY	LAS PALMAS	28	22	35	20	25	2.1	4	-10	NEW CA	NOUMEA	26	20	31	17	23	0.7	9	-42
MOROCC	CASABLANCA	25	18	38	14	21	2.0	45	12	FIJI	NAUSORI	28	21	31	17	25	0.5	104	-95
	MARRAKECH	30	18	36	13	24	3.3	2	-17	SAMOA	PAGO PAGO	30	26	32	22	28	0.9	297	42
ALGERI	ALGER	27	14	35	8	20	1.4	44	-14	TAHITI	PAPEETE	30	24	32	21	27	1.3	17	-84
	BATNA	25	10	31	3	17	1.3	23	-2	PNEWGU	PORT MORESBY	30	24	33	20	27	0.0	3	-30
TUNISI	TUNIS	27	17	32	14	22	1.1	33	-21	NZEALA	AUCKLAND	17	10	22	4	14	***	87	***
NIGER	NIAMEY	36	25	38	21	30	-0.5	10	-5		WELLINGTON	16	9	19	4	13	***	25	***
MALI	TIMBUKTU	36	26	40	19	31	0.2	1	-1	AUSTRA	DARWIN	33	25	35	21	29	0.4	21	-57
	BAMAKO	33	23	37	18	28	0.3	18	-43		BRISBANE	25	16	31	10	21	0.2	47	-49
MAURIT	NOUAKCHOTT	34	25	40	21	30	0.5	0	-8		PERTH	23	10	32	4	17	0.1	60	13
SENEGA	DAKAR	30	26	32	24	28	0.4	9	-34		CEDUNA	23	11	34	4	17	0.1	10	-18
CHAGOS	DIEGO GARCIA	***	***	31	26	***	***	***	***		ADELAIDE	20	11	32	5	16	-0.2	21	-22
LIBYA	TRIPOLI	29	17	37	13	23	0.0	27	-10		MELBOURNE	20	9	31	3	15	0.8	14	-48
	BENGHAZI	26	19	35	15	22	-0.6	24	7		WAGGA	24	8	34	2	16	1.6	3	-58
EGYPT	CAIRO	29	20	36	17	25	0.6	0	-1		CANBERRA	21	6	30	-1	14	0.7	14	-43
	ASWAN	37	23	45	18	30	1.7	0	0	INDONE	SERANG	33	24	36	22	28	0.6	0	-107
ETHIOP	ADDIS ABABA	22	***	24	7	***	***	1	-47	PHILIP	MANILA	32	26	35	23	29	0.6	232	34
KENYA	NAIROBI	26	14	29	10	20	0.4	43	6										

Based on Preliminary Reports



EUROPE

Across England, France, and the Benelux countries, light to moderate rain (5-20 mm) continued to increase soil moisture for germinating winter grains and oilseeds. Heavier rain (25-50 mm) across portions of western England and Belgium slowed late summer crop harvesting. Across Germany and Poland, however, unseasonably heavy rain (25-50 mm) hampered fieldwork and winter grain and oilseed establishment. Drier weather is needed to improve crop conditions. Rain (10-30 mm) benefited winter grains and oilseeds across the Czech Republic and Slovakia. In southeastern Europe, mostly dry weather (less than 5 mm) prevailed from Hungary and Slovenia southward. The dry weather was especially welcomed for fieldwork and winter grain establishment in Slovenia, Croatia, Bulgaria, and Greece, which had experienced unseasonably wet weather the past few weeks. Mostly dry weather favored winter grain and oilseed planting and germination across Italy, southern France, and southern Spain, except for a few showers (5-30 mm) in central Italy. Moderate rain (10-60 mm) across the western coast of the Iberian Peninsula slowed fieldwork but boosted moisture supplies for winter crops. Temperatures averaged 1 to 4 degrees C above normal across most of Europe, favoring winter crop germination and establishment and late summer crop harvesting. Seasonable weather prevailed across portions of the southern Balkans and extreme eastern Europe.



MIDDLE EAST

Mostly dry weather prevailed across Turkey, favoring winter wheat planting and germination and cotton harvesting. Rain in the past several weeks provided favorable topsoil moisture for winter grain planting. Light to moderate rain (8-50 mm or more) fell across the Black Sea coastal areas of northern Turkey, further increasing topsoil moisture. In Turkey, only portions of the southern Mediterranean Sea coast have not been receiving adequate rainfall. Mostly dry weather also prevailed across Syria and Lebanon, where seasonal rainfall typically starts to increase by late October. Light showers (3-15 mm) fell across Israel and Jordan. Satellite imagery depicted little or no showers over northern Iraq. In Iran, rain (10-30 mm) continued to ease dryness across the eastern Caspian coast, but lighter amounts (less than 10 mm) fell across the western Caspian coastal areas, where more rain is still needed for adequate winter wheat establishment. Inland from the Caspian Sea in northern Iran, light to moderate rain favored winter wheat germination and establishment, but rain coverage was not widespread. Temperatures averaged 1 to 2 degrees C below normal in the northwestern quarter of Turkey and 2 to 4 degrees above normal across extreme southern Turkey, Syria, and Iran, favoring maturing summer crops, but increasing the irrigation demand.

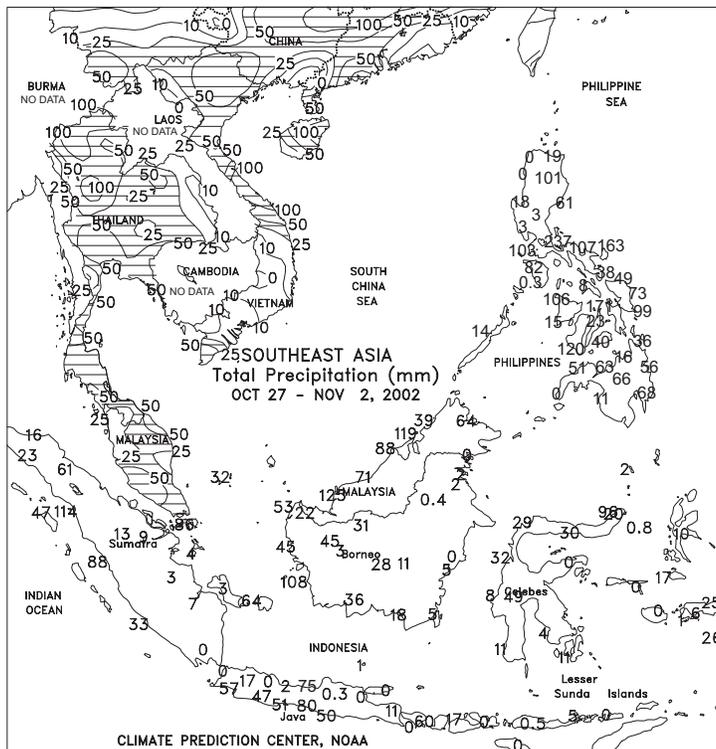


FSU-WESTERN

Periodic, light showers (5-25 mm) continued to fall from Ukraine eastward across the Southern Region in Russia, causing some interruptions in the late-season summer crop harvest. Reports from Ukraine as of October 30 indicated that sugar beets were 82 percent harvested. Seasonable temperatures accompanied the precipitation, favoring winter wheat establishment. Light freezes (minimum temperatures ranging from -3 to 0 degrees C) were observed as far south as southern Ukraine, prompting additional cold-hardening in winter grains. Typically, winter wheat in Ukraine and southern Russia enters dormancy by mid-November. In northern Russia (the northern two-thirds of the Central Region and the middle and upper Volga Region), light rain and snow showers (10-25 mm or more) continued to boost soil moisture levels. Winter grains in these areas continued to ease into dormancy. Elsewhere, a warming trend in the Baltics and Belarus accompanied widespread precipitation (10-25 mm or more). The precipitation in Belarus continued to keep soils saturated, hampering autumn fieldwork. Weekly temperatures averaged 1 to 3 degrees C above normal in Russia and near normal in Ukraine, the Baltics, and Belarus.

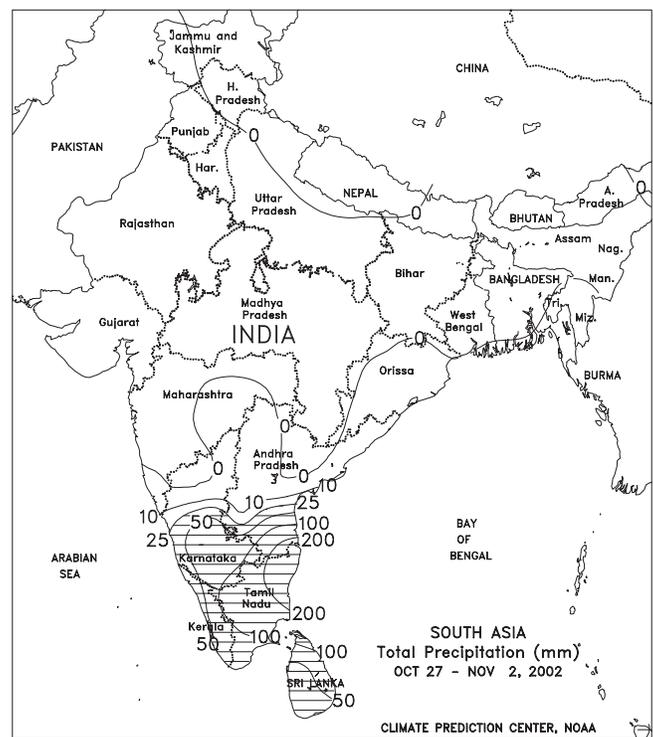
EASTERN ASIA

Mostly dry, cooler-than-normal weather continued to dominate northern and central China, favoring final summer crop harvest from Manchuria to the Yangtze Valley. On the North China Plain, temperatures averaged less than 10 degrees C (1-5 degrees C below normal), slowing winter wheat emergence and early crop development. Moisture is still limited for establishment in some locations, notably prime production areas in the east that include Shandong. Winter wheat planting typically lasts through October. Seasonally cooler, drier weather usually envelops the region in November, restricting growth and opportunities to receive needed moisture. Summer crop harvests are usually completed in most of these areas by November. In southern China, locally heavy rain (50-100 mm or more) south of the Yangtze River disrupted rice harvesting in interior crop areas. Somewhat lighter rain (less than 25 mm in many areas) fell along the southern coast, and seasonable temperatures favored late-season sugarcane development. Elsewhere, moderate to heavy showers (25-50 mm or more) hampered harvesting of rice and other summer crops in much of Japan, while cool, dry weather dominated most of the Korean Peninsula.



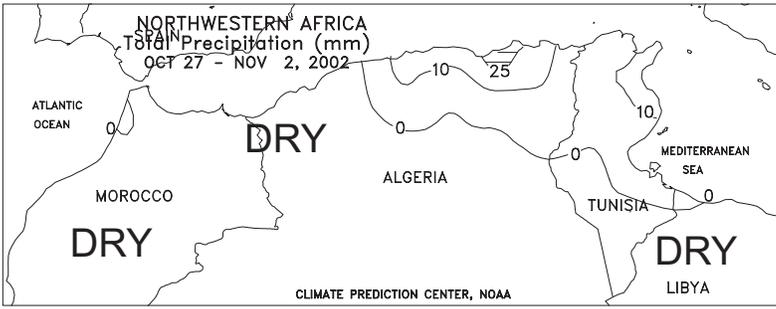
SOUTHEAST ASIA

Showers (25-100 mm) continued to slow main-season rice harvesting in Thailand. In Vietnam, rain (25-50 mm) delayed 10th month rice harvesting but increased moisture supplies for winter-spring rice. Widespread showers (25-100 mm) in the Philippines slowed main-season rice harvesting and second-crop planting activities. In Java, Indonesia, showers (10-50 mm), while only slightly delaying fieldwork, eased prolonged dryness and increased moisture supplies for main-season rice. Showers (25-100 mm) increased moisture supplies for oil palm in peninsular Malaysia and Sumatra.



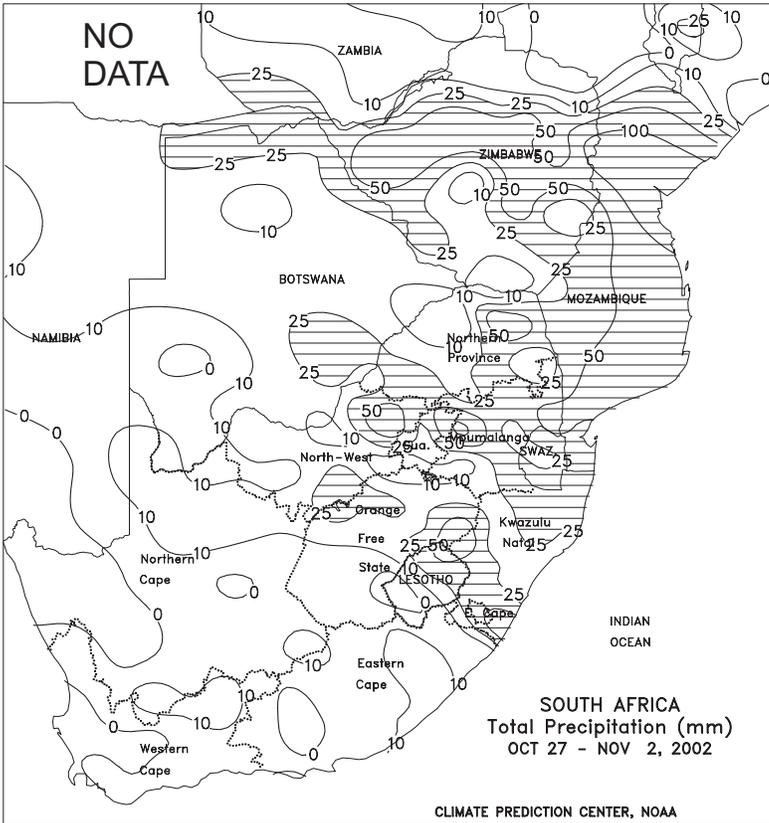
SOUTH ASIA

Heavy showers (50-200 mm, locally more) fell throughout southern India. While the showers increased moisture supplies for rabi (winter-grown) crops, the weather created unfavorably wet conditions for mature rice and cotton. Elsewhere, warm, dry weather aided drydown and harvesting of summer grains, oilseeds, and cotton. Floodwaters continued to recede in Bangladesh and far eastern India. Planting of irrigated winter wheat and oilseeds continued across Pakistan and northern India.



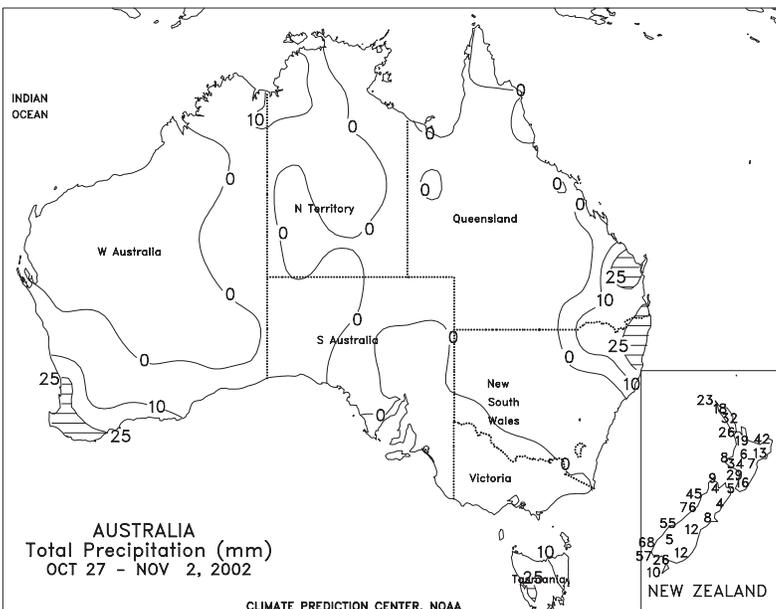
NORTHWESTERN AFRICA

Mostly dry weather prevailed across Morocco and western Algeria, while light to moderate rain (8-25 mm or more) increased topsoil moisture across the central and eastern coastal region of Algeria and northern Tunisia. Early preparations for winter grain planting continued across the region. The bulk of winter grain planting usually occurs from mid-November to mid-December. Temperatures averaged 1 to 3 degrees C above normal, with daytime temperatures in the upper 20s degrees C.



SOUTH AFRICA

Similar to last week, widespread showers (8-32 mm or more) brought beneficial moisture to much of the corn belt, further improving moisture supplies and encouraging summer crop germination and emergence. Given the below-normal rainfall in recent months, continued rain would be welcomed to ensure adequate summer crop establishment. The rainfall also benefited filling winter wheat in northern Orange Free State but slowed winter wheat maturation for crops further along in development. Farther south, dry weather favored winter grain drydown and collection in Western Cape. Seasonably warm weather prevailed across South Africa, favoring crop development.



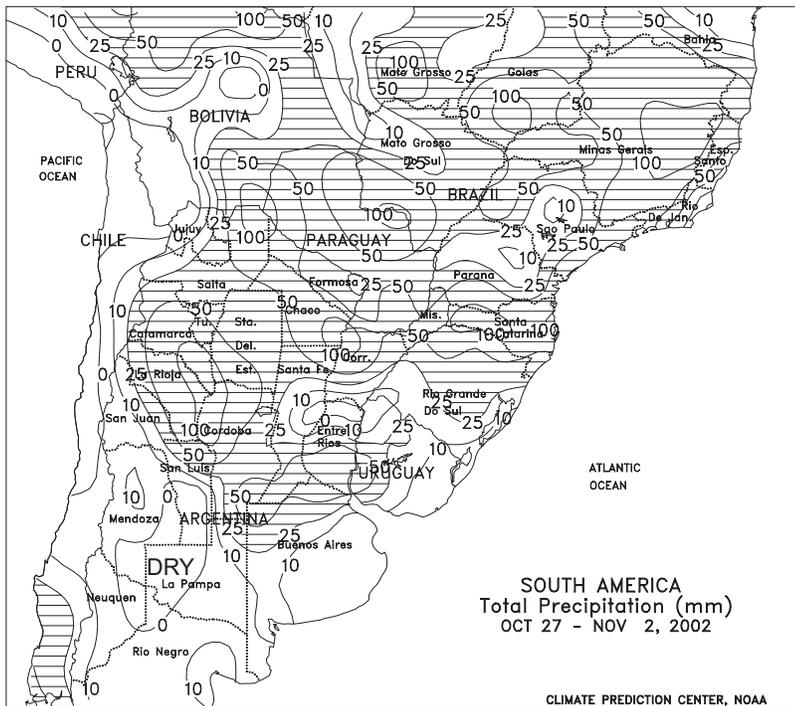
AUSTRALIA

In southern Queensland and northern New South Wales, early-week rain (10-45 mm) in eastern summer crop-producing areas boosted moisture supplies for cotton and sorghum. During the remainder of the week, dry weather and rising temperatures increased evaporation rates and reinforced the drought in this region. Elsewhere in New South Wales, northern Victoria, and South Australia, hot, mostly dry (less than 3 mm) weather maintained drought but helped drydown winter grains and facilitate harvesting. In contrast, light showers (4-14 mm) fell across Western Australia, temporarily delaying fieldwork, including winter grain harvesting. Temperatures averaged about 1 to 2 degrees C above normal across the continent, with maximum temperatures approaching the middle to upper 30s degrees C in summer crop-producing areas late in the week. In New Zealand, widespread showers (17-25 mm) maintained moisture supplies but delayed fieldwork.



MEXICO

Widespread showers (25-100 mm or more) covered most of Mexico's gulf coast from Tamaulipas to Tabasco. In the lower Rio Grande Valley, these showers continued to boost long-term irrigation supplies and soil moisture for winter grain planting. The showers slowed orange maturation and early harvesting in Tamaulipas and sugarcane fieldwork in Veracruz. Mostly dry weather favored filling to maturing corn across the Southern Plateau corn belt and elsewhere across Mexico. Widespread showers (25-150 mm) covered Belize, western Honduras, and El Salvador, favoring late-filling summer crops, but hampering fieldwork. Temperatures averaged 2 to 4 degrees C above normal across most of Mexico, aiding maturing summer crops. Cooler weather prevailed across northwestern Mexico, with some frosts and freezes reported in high elevations.



SOUTH AMERICA

In Brazil, late-week showers (25-50 mm or more) brought much-needed relief from heat and dryness in drought-stricken sections of the coffee belt and the more northerly summer crop zones (including Goiás, Minas Gerais, and São Paulo). The moisture helped to stabilize flowering coffee and citrus and increased topsoil moisture for corn and soybean germination. Prior to the rain, however, temperatures frequently reached the upper 30s degrees C, further stressing coffee and citrus. Farther south, scattered showers (10-25 mm or more) maintained unfavorably wet conditions in Rio Grande do Sul for summer crop planting and early winter wheat harvesting. According to independent analyst Safras e Mercado, soybeans were 13 percent planted as of November 1, compared with 24 percent last year and the 5-year average of 30 percent. In Argentina, moderate to heavy rain (25-50 mm or more) returned to northern and western producing areas, including Córdoba and the northern cotton region centered around Chaco. Locally heavy rain also fell in northern sections of Buenos Aires, but drier weather covered southern Buenos Aires and previously wet sections of southern Santa Fe and northern Entre Ríos, where excessive moisture delayed summer crop planting. Temperatures averaged 1 to 3 degrees C below normal in Argentina's northern crop areas and near to above normal in the south, with temperatures staying well above freezing. Winter wheat ranged from flowering to maturing and would have been susceptible to freeze damage. According to independent crop analysts, winter wheat was 3 percent harvested as of November 2. In addition, corn, soybeans, and sunflowers were 60, 11, and 49 percent planted, respectively, as of November 2.

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