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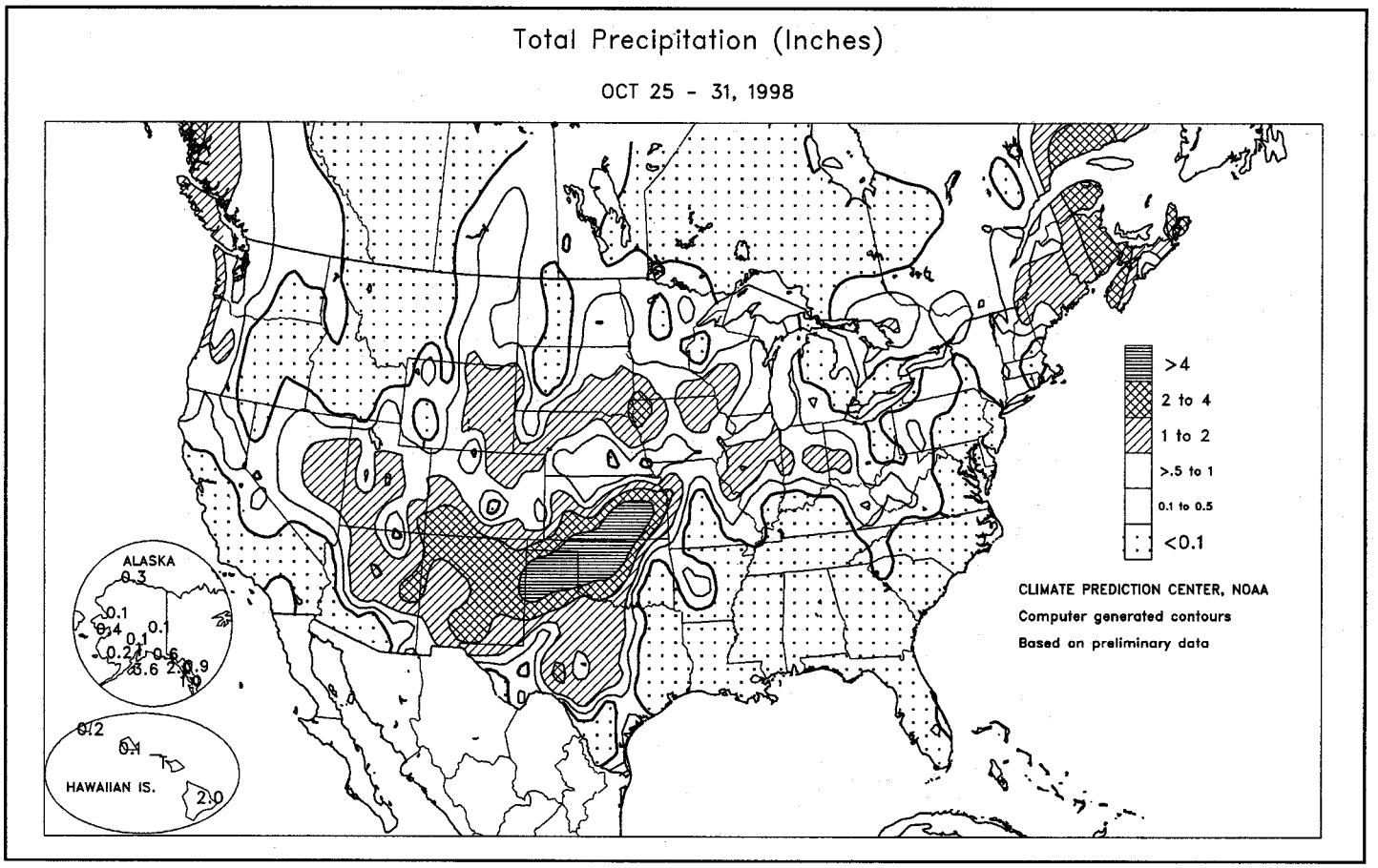
WEEKLY WEATHER AND CROP BULLETIN

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

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



HIGHLIGHTS

October 25 - 31, 1998

Heavy rain (4 to 6 inches, with locally higher totals) soaked areas from **northern Texas** to **east-central Kansas**, eliminating topsoil dryness and providing moisture for winter wheat establishment. Lowland flooding ensued, however, resulting in standing water and wash-outs in wheat fields near streams and rivers. The rain also halted the **High Plains** cotton harvest and threatened the quality of the unharvested crop. Significant rains (mostly greater than 1 inch) also fell across the **Great Basin, Four Corners region, western Corn Belt, northern New England,** and elsewhere in **the central and southern Plains**, slowing fieldwork. In contrast, mostly dry weather prevailed in the **Mid-Atlantic**

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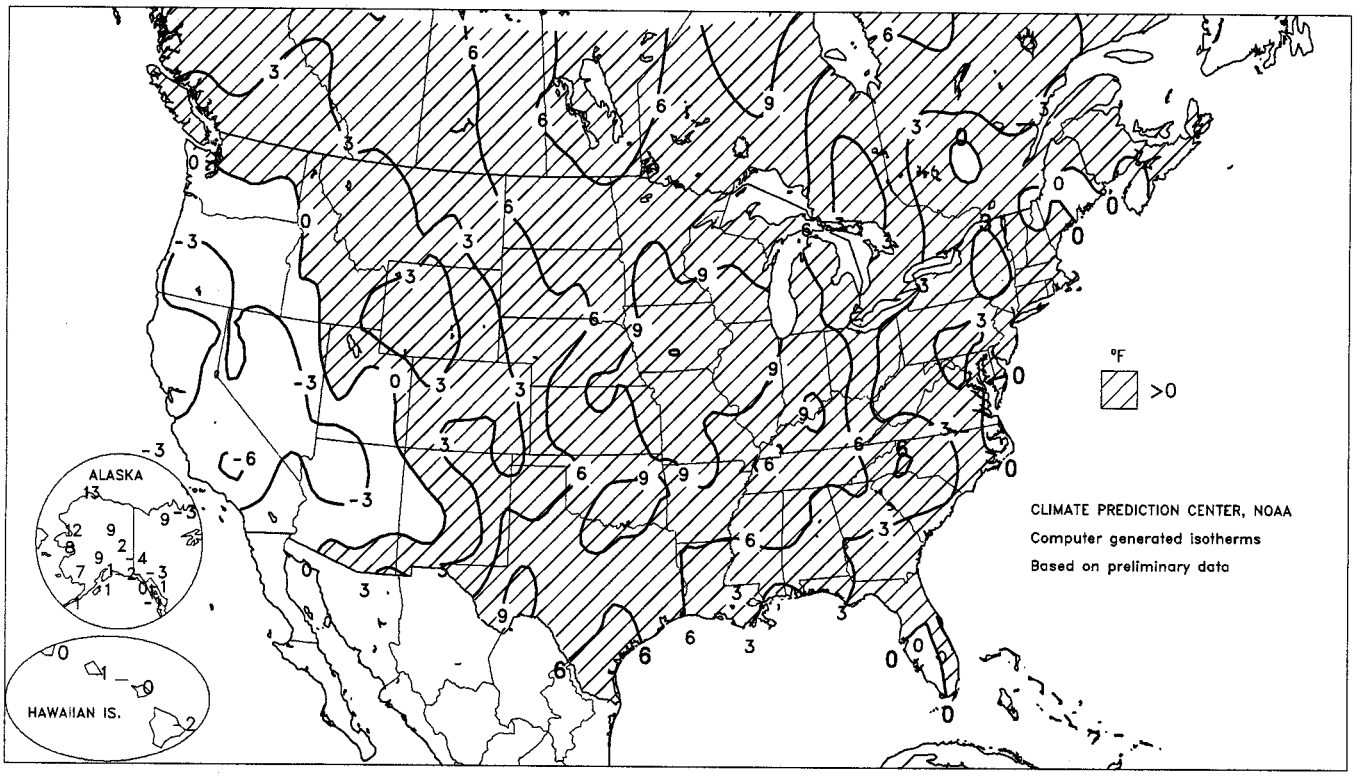
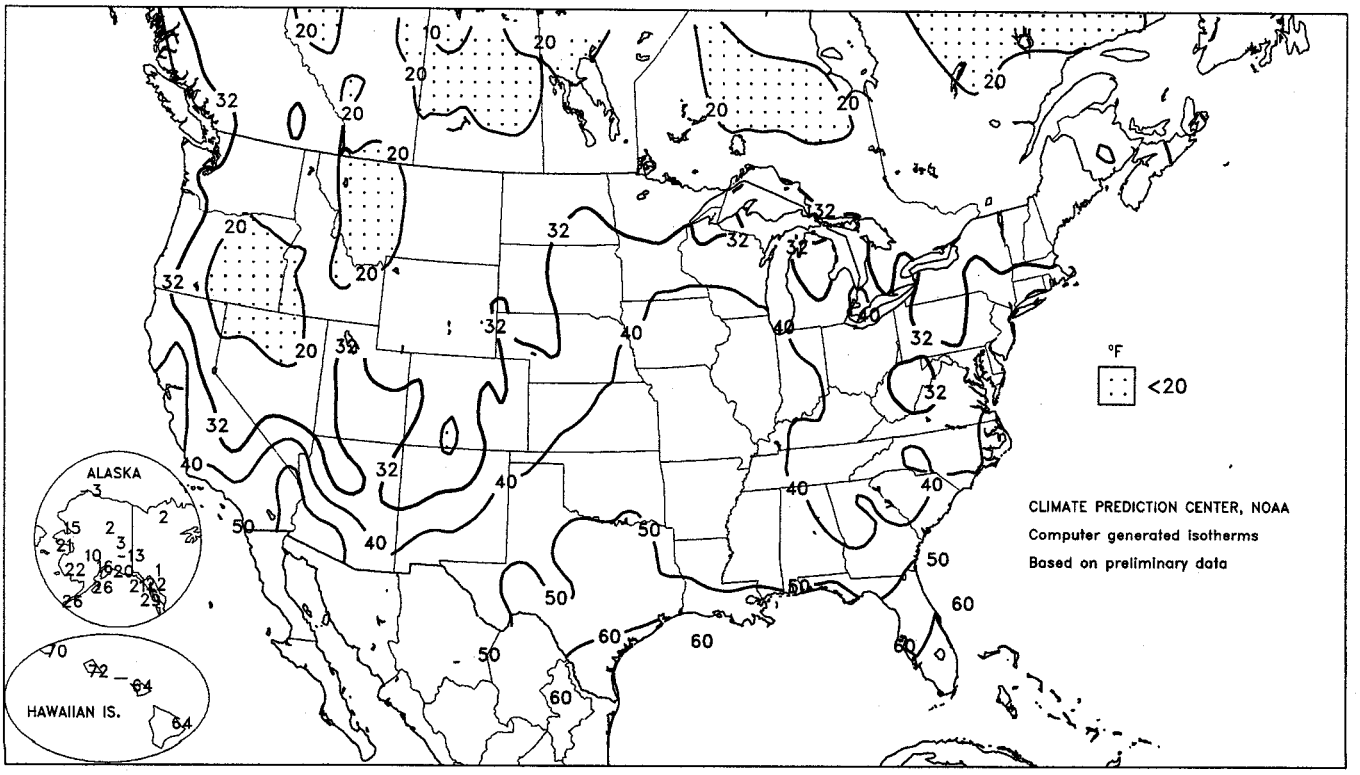
Departure of Average Temperature from Normal (°F)

OCT 25 - 31, 1998



Extreme Minimum Temperature (°F)

OCT 25 - 31, 1998



(Continued from front cover)

and Southeastern States, spurring summer-crop harvesting and winter wheat planting. Mostly dry weather also favored fieldwork in **California**. Weekly temperatures averaged as much as 3°F below normal in **California's Central Valley**, but ranged from 3 to 11°F above normal throughout the **Plains** and **Midwest**. Readings averaged up to 7°F above normal in the **Mid-Atlantic and Southeastern States**.

During the early- to midweek period, a low-pressure system traversed areas from the **Southwest** to the **upper Midwest**, producing widespread rain. On Sunday, **Flagstaff, AZ** netted a daily-record rainfall of 1.48 inches. Two days later, daily records were established in **Albuquerque, NM** (0.62 inches) and **Peoria, IL** (1.47 inches). In the **central Rockies**, the storm deposited 6 inches of snow in **Leadville, CO**. Across the **northern Plains**, the storm capped a record-wet October in several locations, including **Glasgow, MT** (3.05 inches), **Rapid City, SD** (5.60 inches), and **Aberdeen, SD** (7.29 inches). Very warm weather prevailed in many areas east of the storm's center. On October 25, **Providence, RI** (75°F) notched a daily-record high. Records on Tuesday included 87°F in **Pinson, AL** and 73°F in **Alpena, MI**. Late in the week, the storm's energy translated to a low-pressure system east of **Maine**, raking **northern New England** with rain and high winds. On Friday, wind gusts in **Maine** reached 52 mph in **Greenville** and 56 mph on **Monhegan Island**.

A second, stronger storm emerged from the **Southwest** toward week's end, sparking additional heavy rain. October 31 rainfall totaled 5.79 inches in **Wichita, KS**, propelling the city to its wettest October (9.42 inches) on record. Storm-total rainfall (through 7:00 a.m. CST on Sunday) in **Oklahoma** included 8.29 inches in **Cherokee** and 6.89 inches in **Woodward**. In **Texas**, the storm boosted **Amarillo's** monthly rainfall to 6.48 inches (their highest October total since 1941), more than half of which fell on October 30-31. Farther north, much cooler air overspread the **Northwest**. On Friday, lows dipped to 20°F in **Spokane, WA** and 7°F in **Burns, OR**. In contrast, very warm conditions continued across the **Southeast**. On Friday, daily-record highs included 85°F in **Huntsville, AL** and 86°F in **Florence, SC**. A day later, **Tallahassee, FL** recorded 88°F.

In **Alaska**, weekly temperatures ranged from 7 to 13°F above normal in northern and western areas. Nevertheless, **Barrow** noted their first sub-zero reading of the season (-1°F on October 27) and first below-normal minimum temperature since August 17. In the south, **Kodiak** wrapped up another wet month (13.96 inches, or 194 percent of normal), raising their year-to-date rainfall to 93.12 inches (170 percent). Meanwhile, **Honolulu, HI** concluded another dry month (0.13 inches, or 6 percent of normal), leaving their year-to-date total at 2.52 inches (17 percent).

Hurricane Mitch Update

After peaking in strength with 180 mph sustained winds and a minimum central pressure of 905 millibars (26.72 inches) on October 26-27 *(below)*, Hurricane Mitch drifted generally westward and then southward into Honduras. At peak strength, Mitch tied August 1969's Hurricane Camille as the fourth-strongest storm in Atlantic Basin history, and the strongest October Atlantic hurricane on record. Only Gilbert (888 mb in September 1988), an unnamed hurricane (892 mb in September 1935), and Allen (899 mb in August 1980) were stronger. Although Mitch weakened below hurricane force after landfall, the slow-moving storm continued to be a prodigious rain-producer.

In northern Honduras, October 26-31 rainfall at La Ceiba totaled 25.48 inches (647 mm). Much higher totals likely occurred across the mountains of Honduras and Nicaragua, resulting in extensive to locally catastrophic flooding. Agricultural operations in these countries, as well as portions of El Salvador and Guatemala, were adversely affected by severe flooding, gusty winds, and flood-damaged infrastructure.

Mitch's remnant circulation drifted southwestward through Honduras and westward through Guatemala, reaching southeastern Mexico on November 1 *(right)*. The weak low-pressure system then turned northward in response to an approaching cold front, re-emerging over open water near the west coast of the Yucatán Peninsula a day later. As of November 3, locally heavy rains persist across portions of southeastern Mexico and Central America, hampering flood-recovery efforts.

National Weather Data for Selected Cities

Weather Data for the Week Ending October 31, 1998

Data Provided by Climate Prediction Center (301-763-8000 EXT. 7503) and the Southern Regional Climate Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE 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	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	82	48	85	41	65	7	0.00	-0.67	0.00	2.23	33	56.19	125	91	28	0	0	0	0
	HUNTSVILLE	80	46	85	40	63	6	0.00	-0.78	0.00	2.88	39	35.63	77	95	30	0	0	0	0
	MOBILE	81	54	84	50	68	3	0.04	-0.57	0.01	25.60	290	79.46	146	99	45	0	0	4	0
	MONTGOMERY	82	47	87	42	65	3	0.03	-0.54	0.01	10.31	158	45.60	103	102	37	0	0	3	0
AK	ANCHORAGE	35	25	39	16	30	1	0.04	-0.33	0.04	1.22	26	9.75	71	91	60	0	7	1	0
	BARROW	28	11	32	-3	20	13	0.26	0.18	0.12	1.87	180	4.16	105	94	78	0	7	4	0
	FAIRBANKS	27	9	41	3	18	2	0.09	-0.10	0.05	1.49	83	9.89	107	95	71	0	7	2	0
	JUNEAU	44	31	52	22	38	-1	0.85	-0.78	0.72	17.92	123	57.49	128	97	67	0	3	4	1
	KODIAK	44	33	48	26	39	1	3.63	2.10	2.80	26.24	185	93.12	170	90	59	0	4	4	1
	NOME	33	28	37	21	31	8	0.46	0.21	0.19	5.11	135	22.10	169	95	73	0	6	5	0
AZ	FLAGSTAFF	49	29	55	25	39	-4	2.19	1.82	1.48	7.65	210	25.30	137	97	52	0	6	5	2
	PHOENIX	76	57	81	52	66	-3	1.04	0.90	0.36	1.62	107	9.67	160	83	27	0	0	4	0
	TUCSON	77	53	85	47	65	-1	0.00	-0.19	0.00	1.37	50	12.53	122	65	20	0	0	0	0
	YUMA	80	59	85	54	69	-2	0.00	-0.06	0.00	2.26	404	4.36	178	55	19	0	0	0	0
AR	FORT SMITH	79	57	83	47	68	10	0.20	-0.67	0.17	11.43	165	38.44	113	97	55	0	0	4	0
	LITTLE ROCK	79	54	82	46	67	8	0.09	-0.83	0.08	7.78	100	34.53	85	98	53	0	0	2	0
CA	BAKERSFIELD	67	47	76	43	57	-6	0.03	-0.06	0.03	0.56	122	12.24	279	96	47	0	0	1	0
	EUREKA	59	41	65	34	50	-4	1.61	0.64	0.74	3.14	88	44.20	176	100	72	0	0	4	1
	FRESNO	67	49	73	45	58	-3	0.00	-0.18	0.00	0.31	40	16.28	210	95	48	0	0	0	0
	LOS ANGELES	69	56	72	54	63	-2	0.00	-0.17	0.00	0.05	7	23.88	278	94	55	0	0	0	0
	REDDING	70	49	81	38	59	0	0.15	-0.59	0.14	2.36	75	49.76	221	80	27	0	0	2	0
	SACRAMENTO	69	47	73	39	58	-2	0.03	-0.35	0.02	1.06	73	24.50	200	95	42	0	0	2	0
	SAN DIEGO	67	59	69	56	63	-3	0.09	-0.07	0.05	0.13	22	14.40	209	88	60	0	0	3	0
	SAN FRANCISCO	64	51	73	45	57	-1	0.00	-0.42	0.00	0.80	56	29.37	215	90	56	0	0	0	0
CO	ALAMOSA	51	32	63	23	42	3	1.55	1.41	0.58	2.85	179	6.82	103	94	50	0	5	5	2
	CO SPRINGS	57	39	65	33	48	2	0.71	0.55	0.27	1.49	69	15.67	102	90	41	0	0	4	0
	DENVER	54	40	66	34	47	0	0.58	0.37	0.37	2.13	96	15.62	112	85	50	0	0	4	0
	GRAND JUNCTION	57	42	63	37	50	0	1.06	0.84	0.41	3.00	167	8.61	117	96	53	0	0	6	0
	PUEBLO	63	41	70	37	52	4	0.50	0.39	0.28	2.65	180	11.61	113	91	43	0	0	5	0
CT	BRIDGEPORT	58	45	66	42	52	0	0.36	-0.39	0.35	5.87	95	39.77	116	84	52	0	0	2	0
	HARTFORD	58	42	72	39	50	2	0.29	-0.54	0.28	8.09	110	42.02	116	80	46	0	0	2	0
DC	WASHINGTON	68	48	73	41	58	2	0.00	-0.69	0.00	2.58	41	33.43	103	89	42	0	0	0	0
DE	WILMINGTON	65	44	72	38	54	2	0.03	-0.62	0.03	4.61	73	34.27	100	84	44	0	0	1	0
FL	DAYTONA BEACH	82	61	85	58	72	1	0.01	-0.75	0.01	7.83	75	37.70	89	94	46	0	0	1	0
	JACKSONVILLE	81	55	85	52	68	1	0.01	-0.43	0.01	10.74	108	54.16	117	97	49	0	0	1	0
	KEY WEST	83	73	84	70	78	0	0.00	-0.84	0.00	16.41	160	38.87	112	84	60	0	0	0	0
	MIAMI	82	72	84	67	77	0	0.07	-0.94	0.01	20.23	153	61.73	120	80	54	0	0	2	0
	ORLANDO	84	60	85	55	72	-1	0.11	-0.28	0.01	6.24	74	42.67	98	98	44	0	0	2	0
	PENSACOLA	81	57	85	51	69	4	0.02	-0.86	0.01	20.04	211	60.31	111	93	46	0	0	2	0
	TALLAHASSEE	84	48	88	42	66	1	0.00	-0.61	0.00	14.20	167	55.89	98	98	37	0	0	0	0
	TAMPA	83	64	85	63	73	1	0.00	-0.28	0.00	8.85	111	54.00	135	99	56	0	0	0	0
	WEST PALM BEACH	83	70	85	65	76	1	0.00	-1.29	0.00	14.86	98	56.09	105	78	49	0	0	0	0
GA	ATHENS	81	48	85	42	64	6	0.00	-0.76	0.00	6.83	103	46.44	111	98	32	0	0	0	0
	ATLANTA	79	51	83	44	65	7	0.00	-0.72	0.00	4.77	74	42.42	100	84	28	0	0	0	0
	AUGUSTA	82	43	86	34	63	3	0.00	-0.61	0.00	8.59	146	45.74	118	100	33	0	0	0	0
	COLUMBUS	81	50	85	43	66	3	0.00	-0.53	0.00	5.90	108	30.83	73	93	33	0	0	0	0
	MACON	82	45	85	37	63	2	0.01	-0.49	0.01	8.48	171	41.22	110	100	31	0	0	1	0
	SAVANNAH	81	48	84	40	64	0	0.00	-0.46	0.00	6.89	101	46.92	106	99	34	0	0	0	0
HI	HILO	80	66	81	64	73	-2	1.97	-0.57	0.63	26.85	149	82.92	81	98	67	0	0	6	2
	HONOLULU	86	74	87	72	80	1	0.08	-0.53	0.08	0.34	11	2.52	17	88	53	0	0	1	0
	KAHULUI	84	70	86	64	77	0	0.01	-0.38	0.01	0.78	50	3.89	26	85	52	0	0	1	0
	LIHUE	81	73	82	70	77	0	0.23	-0.91	0.11	2.27	33	22.29	69	89	67	0	0	4	0
ID	BOISE	59	36	71	24	48	0	0.05	-0.16	0.04	2.07	134	14.10	153	82	30	0	3	2	0
	LEWISTON	57	39	63	28	48	0	0.24	0.02	0.13	2.74	158	14.11	139	83	38	0	1	2	0
	POCATELLO	56	32	65	21	44	0	0.01	-0.21	0.01	2.35	134	11.65	118	91	41	0	4	1	0
IL	CHICAGO/O'HARE	66	49	73	42	57	10	0.76	0.23	0.45	7.60	122	34.38	113	95	66	0	0	4	0
	MOLINE	66	50	76	45	58	10	1.07	0.48	0.68	11.22	161	44.37	129	95	68	0	0	5	1
	PEORIA	68	52	76	47	60	11	1.51	0.96	1.48	5.53	85	38.09	122	93	62	0	0	4	1
	ROCKFORD	65	48	74	43	57	10	0.45	-0.16	0.43	6.00	90	35.51	112	96	62	0	0	3	0
	SPRINGFIELD	71	50	78	45	60	10	1.10	0.55	0.63	4.61	78	41.50	138	89	55	0	0	2	1
IN	EVANSVILLE	74	46	79	40	60	8	0.06	-0.64	0.05	3.28	56	36.83	103	94	45	0	0	2	0
	FORT WAYNE	65	46	71	40	55	7	0.37	-0.21	0.17	5.39	105	35.76	123	92	56	0	0	4	0
	INDIANAPOLIS	67	50	72	43	59	9	0.35	-0.28	0.16	7.87	143	45.96	138	93	61	0	0	4	0
	SOUTH BEND	63	47	72	40	55	7	0.66	-0.03	0.45	3.48	52	31.32	96	96	66	0	0	4	1
IA	BURLINGTON	69	53	76	48	61	12	0.40	-0.18	0.20	13.91	197	46.07	145	88	60	0	0	5	0
	CEDAR RAPIDS	67	51	72	44	59	12	1.18	0.75	0.84	12.21	197	44.36	147	99	74	0	0	4	1
	DES MOINES	65	49	74	43	57	8	0.18	-0.33	0.12	4.04	66	38.34	128	94	67	0	0	3	0
	DUBUQUE	62	49	70	46	56	10	0.76	0.21	0.44	8.48	114	42.11	125	94	63	0	0	3	0
	SIOUX CITY	63	45	74	38	54	8	0.65	0.30	0.48	3.40	71	28.61	119	95	66	0	0	3	0
	WATERLOO	64	47	71	42	56	11	0.89	0.39	0.43	6.25	103	42.53	139	97	60	0	0	5	0
KS	CONCORDIA	70	51	80	43	61	10	0.29	-0.07	0.28	6.39	128	28.87	108	92	47	0	0	2	0
	DODGE CITY	71	47	79	42	59	7	2.02	1.78	1.02	4.23	133	19.48	97	98	49	0	0	4	2
	GOODLAND	63	42	80	37	52	5	0.61	0.44	0.26	2.25	91	16.31	96	92	50	0	0	5	0
	TOPEKA	72	52	82	42	62	10	1.53	0.93	1.46	8.93	130	36.04	110	93	50	0	0	2	1

Based on 1961-90 normals

Weather Data for the Week Ending October 31, 1998

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE 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	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	71	53	79	46	62	9	6.07	5.66	4.85	11.79	206	29.52	111	93	54	0	0	3	2
KY	JACKSON	68	49	74	44	58	5	0.61	-0.16	0.56	4.87	71	45.44	111	89	44	0	0	3	1
	LEXINGTON	69	47	76	42	58	6	0.10	-0.51	0.07	3.21	56	44.65	120	93	52	0	0	4	0
	LOUISVILLE	75	52	79	44	63	10	0.08	-0.58	0.08	3.31	56	42.71	115	92	46	0	0	1	0
	PADUCAH	76	47	80	40	62	7	0.03	-0.71	0.02	7.49	112	49.63	123	96	42	0	0	2	0
LA	BATON ROUGE	81	54	83	50	68	3	0.01	-0.77	0.01	10.81	130	49.91	98	100	46	0	0	1	0
	LAKE CHARLES	83	59	85	55	71	5	0.00	-0.83	0.00	18.02	187	50.07	110	99	51	0	0	0	0
	NEW ORLEANS	81	59	82	55	70	4	0.01	-0.66	0.01	20.94	245	73.52	142	99	53	0	0	1	0
	SHREVEPORT	80	56	82	47	68	6	0.00	-0.91	0.00	15.19	222	41.45	110	99	54	0	0	0	0
ME	CARIBOU	46	31	50	20	39	0	0.94	0.22	0.59	5.67	87	32.38	109	92	58	0	3	3	1
	PORTLAND	53	38	67	28	46	1	0.33	-0.67	0.31	13.47	193	51.41	148	81	52	0	2	2	0
MD	BALTIMORE	67	41	72	31	54	1	0.01	-0.67	0.01	2.46	39	32.11	94	93	41	0	1	1	0
MA	BOSTON	59	45	70	39	52	1	0.14	-0.67	0.13	8.23	129	50.54	152	84	51	0	0	2	0
	WORCESTER	55	41	68	38	48	2	0.23	-0.77	0.23	5.96	72	42.57	108	82	50	0	0	1	0
MI	ALPENA	56	33	72	28	45	2	0.02	-0.42	0.01	7.63	147	29.51	120	98	57	0	3	2	0
	GRAND RAPIDS	62	45	68	37	53	8	0.28	-0.33	0.13	5.50	78	28.81	96	92	57	0	0	4	0
	HOUGHTON LAKE	59	36	65	26	48	5	0.03	-0.41	0.02	6.14	110	20.85	87	98	59	0	2	2	0
	LANSING	62	39	70	29	50	5	0.37	-0.07	0.28	5.21	92	26.99	105	93	55	0	1	3	0
	MARQUETTE	53	42	67	39	48	9	0.18	-0.57	0.07	5.35	70	34.99	118	95	69	0	0	5	0
	MUSKEGON	61	45	64	38	53	7	0.81	0.20	0.50	7.45	111	24.77	94	95	65	0	0	4	1
MN	DULUTH	52	39	63	32	45	7	0.51	0.04	0.29	7.45	118	28.19	105	96	64	0	1	5	0
	INT'L FALLS	52	35	63	24	43	7	0.41	0.06	0.28	4.72	92	20.72	93	97	64	0	3	3	0
	MINNEAPOLIS	60	45	68	38	52	9	0.50	0.06	0.31	3.57	73	31.67	123	92	60	0	0	2	0
	ROCHESTER	60	45	73	42	53	10	1.84	1.40	1.61	5.79	100	30.79	114	96	63	0	0	3	1
	ST. CLOUD	60	42	70	32	51	11	0.30	-0.11	0.16	3.17	59	22.51	89	94	53	0	1	4	0
MS	JACKSON	83	49	87	41	66	5	0.00	-0.81	0.00	2.95	43	41.02	92	98	40	0	0	0	0
	MERIDIAN	82	46	87	40	64	4	0.00	-0.74	0.00	3.18	48	46.81	101	100	39	0	0	0	0
	TUPELO	81	48	85	42	65	6	0.00	-0.84	0.00	3.28	47	40.28	90	95	37	0	0	0	0
MO	COLUMBIA	72	51	79	43	61	10	0.48	-0.21	0.38	11.73	166	41.94	125	94	40	0	0	4	0
	KANSAS CITY	70	53	79	45	62	10	1.72	1.13	1.18	16.59	204	43.77	128	94	59	0	0	3	1
	SAINT LOUIS	73	54	79	45	63	9	0.72	0.10	0.64	4.48	77	40.18	129	86	53	0	0	1	1
	SPRINGFIELD	73	51	78	45	62	9	0.07	-0.70	0.03	9.81	120	43.54	121	96	59	0	0	3	0
MT	BILLINGS	57	36	67	26	47	3	0.39	0.17	0.36	2.46	98	13.21	98	89	39	0	1	2	0
	BUTTE	54	23	65	12	38	2	0.00	-0.12	0.00	1.50	77	13.52	121	91	35	0	6	0	0
	GLASGOW	56	35	66	26	46	5	0.66	0.55	0.64	3.98	247	13.56	132	97	47	0	2	2	1
	GREAT FALLS	58	28	66	18	43	0	0.00	-0.15	0.00	1.87	93	15.80	115	79	32	0	6	0	0
	KALISPELL	51	25	57	16	38	1	0.02	-0.18	0.01	2.19	102	17.33	129	96	45	0	6	2	0
	MILES CITY	59	35	72	29	47	4	0.79	0.62	0.70	2.81	128	12.93	100	96	42	0	3	2	1
	MISSOULA	53	28	63	16	41	1	0.00	-0.17	0.00	1.70	91	17.71	154	93	41	0	5	0	0
NE	GRAND ISLAND	66	45	75	36	55	8	0.39	0.17	0.29	2.02	48	23.63	102	93	50	0	0	4	0
	LINCOLN	66	48	77	40	57	9	1.11	0.74	0.96	5.27	94	30.96	119	95	63	0	0	3	1
	NORFOLK	63	45	73	39	54	8	1.35	1.06	0.69	4.30	106	33.00	141	97	63	0	0	2	2
	NORTH PLATTE	61	40	75	30	50	6	0.99	0.81	0.91	3.07	119	21.14	116	96	54	0	1	4	1
	OMAHA	65	49	74	43	57	9	0.33	-0.08	0.20	3.70	62	38.31	140	93	60	0	0	3	0
	SCOTTSBLUFF	57	39	65	32	48	3	0.53	0.36	0.31	3.32	177	15.35	109	96	59	0	1	4	0
	VALENTINE	60	38	77	32	49	6	1.10	0.93	0.87	4.22	173	22.71	132	96	51	0	1	5	1
NV	ELY	46	30	52	23	38	-4	1.28	1.10	0.64	2.66	138	11.70	132	98	61	0	7	5	1
	LAS VEGAS	69	52	74	49	60	-3	0.24	0.18	0.23	1.53	319	6.60	201	70	33	0	0	2	0
	RENO	55	34	64	26	44	-3	0.34	0.23	0.29	2.51	344	11.21	198	92	45	0	3	2	0
	WINNEMUCCA	53	29	63	17	41	-4	0.59	0.42	0.56	3.93	393	14.24	221	96	51	0	5	2	1
NH	CONCORD	58	35	67	26	46	2	0.20	-0.58	0.20	5.27	87	32.50	110	88	45	0	3	1	0
NJ	NEWARK	62	47	74	43	55	1	0.27	-0.45	0.25	4.62	69	41.65	114	80	45	0	0	1	0
NM	ALBUQUERQUE	62	45	71	37	53	1	1.20	1.03	0.62	2.14	114	9.35	118	95	52	0	0	5	1
NY	ALBANY	56	42	66	37	49	3	0.23	-0.44	0.20	6.50	112	36.65	122	92	55	0	0	3	0
	BINGHAMTON	53	41	63	32	47	2	0.24	-0.42	0.24	5.84	94	36.27	118	89	57	0	1	1	0
	BUFFALO	58	41	68	29	50	3	0.31	-0.42	0.31	4.68	71	31.82	102	92	46	0	2	1	0
	ROCHESTER	58	41	69	29	49	2	0.20	-0.36	0.20	4.77	88	39.27	149	92	53	0	2	1	0
	SYRACUSE	57	42	64	34	49	3	0.24	-0.60	0.24	5.07	72	33.52	105	85	53	0	0	1	0
NC	ASHEVILLE	74	39	77	32	56	4	0.00	-0.80	0.00	3.23	43	42.04	104	98	32	0	1	0	0
	CHARLOTTE	77	44	80	38	61	3	0.00	-0.74	0.00	5.54	81	35.86	99	100	35	0	0	0	0
	GREENSBORO	75	45	77	39	60	5	0.11	-0.65	0.02	3.19	45	41.66	115	91	36	0	0	2	0
	HATTERAS	70	55	82	48	63	1	0.04	-1.09	0.02	9.48	92	57.27	123	93	55	0	0	3	0
	RALEIGH	76	42	79	37	59	3	0.00	-0.63	0.00	6.59	109	47.05	134	100	34	0	0	0	0
	WILMINGTON	77	48	80	42	63	1	0.00	-0.55	0.00	6.75	87	58.70	124	96	34	0	0	0	0
ND	BISMARCK	58	36	66	32	47	7	0.19	0.03	0.18	4.15	174	22.15	153	96	56	0	2	2	0
	DICKINSON	58	35	70	29	46	6	0.37	0.22	0.30	6.95	263	23.81	156	97	48	0	2	2	0
	FARGO	54	38	61	31	46	6	0.71	0.40	0.68	7.39	201	30.01	166	97	62	0	3	3	1
	GRAND FORKS	54	36	68	27	45	7	0.57	0.36	0.46	5.53	157	21.08	124	99	62	0	3	3	0
	JAMESTOWN	54	39	65	35	46	7	1.01	0.85	0.99	5.06	186	20.82	130	97	54	0	0	2	1
	WILLISTON	59	33	67	23	46	7	0.43	0.30	0.43	4.17	198	15.85	125	97	44	0	4	1	0
OH	AKRON-CANTON	60	40	67	34	50	2	0.17	-0.36	0.12	4.53	80	35.94	117	94	55	0	0	2	0
	CINCINNATI	67	47	72	38	57	6	0.51	-0.18	0.35	3.53	61	45.27	131	97	58	0	0	2	0
	CLEVELAND	61	41	71	34	51	2	0.13	-0.44	0.09	3.56	60	29.31	97	89	52	0	0	2	0
	COLUMBUS	65	45	70	39	55	6	0.40	-0.13	0.37	4.33	85	32.33	101	97	49	0	0	2	0
	DAYTON	66	48	70	39	57	7	0.79	0.19	0.47	4.34	87	35.60	116	92	52	0	0	3	0
	MANSFIELD	61	42	68	38	52	4	0.25	-0.32	0.17	3.67	64	34.52	104	90	50	0	0	3	0

Based on 1961-90 normals

Weather Data for the Week Ending October 31, 1998

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE 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	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	62	43	69	38	53	6	0.79	0.30	0.72	3.24	65	30.54	112	97	59	0	0	2	1
	YOUNGSTOWN	60	38	69	30	49	2	0.08	-0.51	0.06	5.91	97	33.35	106	88	45	0	2	2	0
OK	OKLAHOMA CITY	77	56	80	48	66	9	1.61	0.98	1.05	12.33	174	31.82	106	97	57	0	0	3	1
	TULSA	75	55	80	46	65	7	0.53	-0.22	0.31	14.24	170	41.78	118	96	55	0	0	4	0
OR	ASTORIA	56	42	62	34	49	-1	1.52	-0.15	0.41	7.78	90	53.29	116	100	68	0	0	5	0
	BURNS	56	22	65	10	39	-2	0.00	-0.20	0.00	1.17	89	12.99	171	86	28	0	6	0	0
	EUGENE	65	38	63	34	47	-4	0.53	-0.61	0.25	2.64	52	30.46	94	98	68	0	0	5	0
	MEDFORD	67	37	67	29	47	-3	0.64	0.18	0.43	2.06	88	20.02	163	99	49	0	3	3	0
	PENDLETON	67	35	65	26	46	-2	0.22	-0.03	0.16	1.66	114	10.70	120	91	51	0	3	3	0
	PORTLAND	56	45	66	37	51	0	0.52	-0.28	0.29	3.63	82	28.64	115	97	62	0	0	4	0
	SALEM	65	40	64	34	47	-2	0.37	-0.56	0.33	3.22	71	31.72	121	93	49	0	0	3	0
PA	ALLENTOWN	60	42	68	35	51	2	0.12	-0.57	0.12	6.44	94	36.63	101	86	51	0	0	1	0
	ERIE	59	43	68	32	51	2	0.05	-0.80	0.03	3.59	44	28.25	83	89	52	0	1	2	0
	MIDDLETOWN	64	42	70	36	53	3	0.09	-0.58	0.09	3.77	59	43.76	130	87	43	0	0	1	0
	PHILADELPHIA	64	46	72	42	55	3	0.04	-0.57	0.04	3.71	61	29.67	85	82	44	0	0	1	0
	PITTSBURGH	61	38	68	33	49	1	0.06	-0.48	0.04	3.40	64	30.94	100	91	44	0	0	2	0
	WILKES-BARRE	57	41	67	35	49	2	0.26	-0.37	0.26	5.46	90	32.94	108	88	53	0	0	2	0
	WILLIAMSPORT	62	40	69	33	51	3	0.18	-0.60	0.18	4.26	84	38.20	112	92	43	0	0	1	0
RI	PROVIDENCE	60	42	74	37	51	1	0.36	-0.53	0.35	4.94	89	47.53	129	83	45	0	0	2	0
SC	BEAUFORT	80	52	83	44	66	1	0.00	-0.48	0.00	7.67	101	47.21	103	98	39	0	0	0	0
	CHARLESTON	79	51	82	42	65	2	0.00	-0.57	0.00	16.76	220	63.25	138	97	37	0	0	0	0
	COLUMBIA	81	46	84	37	63	4	0.00	-0.66	0.00	6.83	102	43.10	99	93	29	0	0	0	0
	GREENVILLE	78	49	80	42	64	7	0.00	-0.88	0.00	8.83	111	47.11	108	94	34	0	0	0	0
SD	ABERDEEN	59	38	67	33	49	7	0.61	0.42	0.30	7.46	250	27.02	154	97	57	0	0	4	0
	HURON	61	41	69	35	51	8	1.39	1.11	0.94	4.54	142	22.51	119	97	59	0	0	5	1
	RAPID CITY	56	38	67	34	47	3	0.77	0.56	0.60	7.31	312	20.18	129	94	51	0	0	2	1
	SIOUX FALLS	60	42	69	37	51	8	1.71	1.40	0.86	7.41	154	28.63	130	97	68	0	0	4	2
TN	BRISTOL	72	39	77	32	56	3	0.07	-0.51	0.06	2.69	46	37.27	108	99	37	0	1	2	0
	CHATTANOOGA	80	45	84	38	62	6	0.00	-0.77	0.00	2.15	29	44.62	102	98	29	0	0	0	0
	KNOXVILLE	75	45	78	38	60	6	0.00	-0.68	0.00	2.79	47	45.51	117	97	37	0	0	0	0
	MEMPHIS	80	55	86	46	68	9	0.00	-0.78	0.00	4.75	72	46.70	113	84	42	0	0	0	0
	NASHVILLE	78	47	81	39	63	6	0.00	-0.65	0.00	3.00	49	42.90	111	91	36	0	0	0	0
TX	ABILENE	79	62	82	53	70	8	0.49	0.01	0.49	1.57	27	11.43	52	93	56	0	0	1	0
	AMARILLO	67	49	78	41	58	4	4.85	4.59	2.37	7.67	229	16.36	89	93	51	0	0	4	3
	AUSTIN	80	66	83	56	73	6	0.06	-0.85	0.05	19.28	286	33.63	122	100	72	0	0	2	0
	BEAUMONT	82	64	83	57	73	6	0.02	-0.89	0.01	16.77	158	50.30	106	99	60	0	0	2	0
	BROWNSVILLE	84	69	86	66	77	4	1.42	1.02	1.11	11.81	134	16.24	68	99	65	0	0	5	1
	CORPUS CHRISTI	81	69	83	65	75	4	0.56	0.08	0.49	16.35	191	27.24	100	100	72	0	0	3	0
	DEL RIO	79	67	81	55	73	7	0.02	-0.37	0.01	3.02	60	26.83	160	92	63	0	0	2	0
	EL PASO	73	53	81	48	63	3	1.42	1.31	1.13	2.93	119	6.22	79	94	39	0	0	4	1
	FORT WORTH	80	63	84	53	71	9	0.03	-0.69	0.02	6.54	95	25.12	85	94	58	0	0	1	0
	GALVESTON	81	71	83	66	76	7	0.00	-0.54	0.00	18.42	210	45.62	129	98	73	0	0	0	0
	HOUSTON	83	61	84	54	72	6	0.00	-0.90	0.00	18.02	197	40.65	105	97	57	0	0	0	0
	LUBBOCK	73	53	77	47	63	6	1.26	0.94	0.94	3.11	70	12.56	72	94	51	0	0	4	1
	MIDLAND	79	61	82	51	70	10	0.43	0.15	0.43	1.42	33	4.47	33	92	49	0	0	1	0
	SAN ANGELO	77	60	80	48	69	7	1.30	0.89	1.30	2.52	43	11.47	62	92	57	0	0	1	1
	SAN ANTONIO	80	67	81	57	73	7	0.01	-0.66	0.01	19.69	299	38.33	143	95	61	0	0	1	0
	VICTORIA	81	65	84	59	73	5	0.91	0.30	0.68	18.74	207	32.82	100	100	72	0	0	3	1
	WACO	81	63	84	54	72	8	0.00	-0.69	0.00	11.70	170	27.67	100	98	60	0	0	0	0
	WICHITA FALLS	80	61	85	53	71	11	0.29	-0.21	0.28	2.08	32	17.97	69	92	51	0	0	2	0
UT	SALT LAKE CITY	55	43	60	37	49	0	0.53	0.21	0.30	3.00	109	21.48	158	92	55	0	0	5	0
VT	BURLINGTON	53	38	60	30	46	2	0.23	-0.43	0.17	8.17	132	49.15	170	85	57	0	2	3	0
VA	LYNCHBURG	70	39	74	32	55	1	0.12	-0.70	0.05	3.19	46	43.33	125	99	34	0	1	2	0
	NORFOLK	67	47	71	42	57	0	0.09	-0.57	0.00	4.20	60	47.81	124	97	58	0	0	1	0
	RICHMOND	70	44	74	38	57	2	0.07	-0.72	0.00	4.46	65	40.53	110	89	35	0	0	1	0
	ROANOKE	71	42	73	38	57	4	0.02	-0.83	0.02	2.77	38	42.04	120	79	30	0	0	1	0
	WASH/DULLES	68	38	72	31	53	2	0.00	-0.72	0.00	2.81	43	34.74	103	90	37	0	2	0	0
WA	HANFORD	60	35	68	25	47	–	0.22	–	0.22	0.38	–	4.72	–	92	44	0	2	2	0
	OLYMPIA	55	37	62	27	46	-1	0.38	-0.90	0.20	3.88	59	30.40	88	100	69	0	2	4	0
	QUILLAYUTE	55	42	62	37	48	1	1.22	-1.63	0.50	8.96	58	56.83	76	99	78	0	0	7	1
	SEATTLE-TACOMA	55	44	64	36	50	0	0.74	-0.20	0.50	4.32	85	23.51	92	99	69	0	0	5	1
	SPOKANE	52	32	62	21	42	-1	0.14	-0.16	0.08	0.72	42	10.93	92	97	55	0	3	2	0
	YAKIMA	57	29	65	19	43	-2	0.08	-0.06	0.02	0.43	51	7.35	132	96	46	0	4	2	0
WV	BECKLEY	64	38	71	32	51	3	0.58	-0.05	0.49	3.87	62	42.10	121	94	43	0	1	2	0
	CHARLESTON	66	39	74	31	53	1	0.38	-0.31	0.33	4.20	69	43.32	122	100	45	0	1	2	0
	ELKINS	63	29	70	26	46	0	0.11	-0.58	0.09	5.43	79	42.78	113	99	41	0	6	2	0
	HUNTINGTON	67	43	71	36	55	3	0.46	-0.21	0.24	3.42	59	38.80	111	98	51	0	0	4	0
WI	EAU CLAIRE	59	43	68	38	51	9	0.27	-0.17	0.14	2.72	43	27.65	95	93	60	0	0	3	0
	GREEN BAY	60	44	70	36	52	9	0.33	-0.12	0.21	5.19	91	26.88	107	98	69	0	0	4	0
	MADISON	62	45	72	37	53	9	0.34	-0.10	0.31	5.82	105	37.84	141	96	67	0	0	3	0
	MILWAUKEE	63	51	73	47	57	11	0.23	-0.29	0.07	4.75	82	30.96	110	93	70	0	0	3	0
WY	CASPER	52	35	62	31	43	2	1.33	1.12	0.99	5.49	287	14.04	127	96	62	0	1	4	1
	CHEYENNE	49	36	62	31	43	0	0.66	0.52	0.39	1.81	90	10.11	76	92	63	0	1	4	0
	LANDER	51	35	61	30	43	2	0.66	0.43	0.27	5.54	250	16.67	143	95	55	0	2	4	0
	SHERIDAN	57	31	67	25	44	2	0.86	0.62	0.73	5.35	210	16.39	126	94	49	0	6	3	1

NOTE: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

National Agricultural Summary

October 26 - November 1, 1998

HIGHLIGHTS

Most of the Nation experienced another week of dry weather, which allowed farmers to make steady harvest progress. Planting of winter wheat and other fall-seeded grains also made good progress. Widespread late-week rains, extending from northern Texas through Oklahoma and Kansas to western Missouri, halted fieldwork, but provided beneficial moisture for recently seeded crops. Some areas of Texas, Oklahoma, and Kansas experienced flooding and erosion due to heavy downpours. Above-normal temperatures that prevailed east of the Rocky Mountains promoted quick drying of late developing crops and aided growth of fall-seeded crops.

Corn: The Nation's corn harvest advanced 11 percentage points, to 83 percent complete, and remained more than 1 week ahead of the 68 percent normal pace. Progress exceeded the normal pace in all of the major corn-producing states and was more than 2 weeks early across most of the northern Corn Belt. The harvest pace remained brisk in most of the Corn Belt, excluding an area along the Ohio River Valley, where most of the harvest was complete. The pace was slower in the central Great Plains also, as many farmers began to wrap up the harvest season. In the southern Great Plains and Southeast, the harvest was virtually complete.

Soybeans: The harvest pace slowed, progressing just 7 percentage points, to 89 percent complete. Many farmers in the Corn Belt were finished harvesting soybeans and others were nearly finished. In the extreme southern Corn Belt, along the Ohio River Valley and into the lower Mississippi Valley, the pace remained brisk. In the Southeast, the harvest was still in the early stages, but quickly gained momentum, especially along the southern Atlantic coastal Plains.

Cotton: The Nation's cotton harvest steadily progressed, to 68 percent complete, up from 61 percent the previous week. Normally, 60 percent of the crop would be harvested by this date. In Oklahoma, cotton growers remained far ahead of the average for this date, despite late-week rains that limited progress. The harvest was also well ahead of normal across most of the Southeast and lower Mississippi Valley. Harvest progress accelerated in the Southwest, but remained behind normal, especially in California, where the crop continued to mature slowly due to cool weather.

Winter Wheat: Planting progressed to 90 percent complete, slightly behind the 91 percent average for this date. Most of the planting was complete in the central and northern Great Plains, the northern Rocky Mountains, Pacific Northwest, and eastern Corn Belt. Progress lagged behind normal in parts of the southern Great Plains and lower Missouri Valley, where frequent rains hindered planting efforts. Farmers made steady progress in the northern Mississippi Delta and the pace accelerated in California, where dry weather aided seeding efforts. Dry soils hindered progress in the Southeast. Wheat had emerged on 75 percent of the acreage, 4 percentage points behind the 5-year average. Crop development exceeded the normal progress across most of the northern Great Plains and into the Pacific Northwest due to early planting progress. Emergence was well ahead of normal in Washington, but stands were spotty due to dry soils. Warm weather aided development in the eastern Corn Belt, especially in Ohio, where emergence was more than a week ahead of the 5-year average.

Other crops: The sorghum harvest advanced to 83 percent complete, nearly a week ahead of the normal 77 percent pace. Illinois growers made rapid progress, while farmers in the southern and central Great Plains also managed to make good progress despite rain, which limited activity in Texas, Oklahoma, and Kansas. Peanuts harvested advanced to 82 percent, up 10 percentage points from the previous week and 3 percentage points ahead of the 5-year average. Florida peanut growers were finishing the harvest season well ahead of the 38 percent normal for this date. The pace accelerated in most peanut-producing regions, especially along the Atlantic Coastal Plains; however, growers in Alabama and Georgia remained behind average.

Crop Progress and Condition

Week Ending November 1, 1998

Winter Wheat Percent Planted

	Nov 1 1998	Prev Week	Prev Year	5-Yr Avg
AR	63	42	57	55
CA	25	2	7	13
CO	100	100	100	100
GA	10	10	9	12
ID	96	94	96	95
IL	94	84	96	90
IN	92	82	95	91
KS	96	94	96	98
MI	97	88	99	97
MO	64	46	84	78
MT	99	98	99	96
NE	100	99	100	100
NC	45	30	34	39
OH	99	96	97	96
OK	89	77	92	95
OR	87	83	92	87
SD	100	100	100	100
TX	81	76	85	86
WA	100	98	99	97
ALL	90	84	91	91

These 19 States planted 91% of last year's winter wheat acreage.

Winter Wheat Percent Emerged

	Nov 1 1998	Prev Week	Prev Year	5-Yr Avg
AR	35	17	39	36
CA	5	0	2	4
CO	90	87	96	95
GA	6	6	5	7
ID	73	64	75	70
IL	71	52	83	71
IN	71	54	76	72
KS	84	79	88	90
MI	83	78	92	82
MO	42	28	63	55
MT	82	80	81	77
NE	99	96	100	100
NC	20	10	13	20
OH	90	76	68	74
OK	69	53	74	77
OR	69	63	69	61
SD	98	95	99	96
TX	64	57	69	73
WA	98	90	96	85
ALL	75	67	79	79

These 19 States planted 91% of last year's winter wheat acreage.

Soybeans Percent Harvested

	Nov 1 1998	Prev Week	Prev Year	5-Yr Avg
AL	68	49	56	49
AR	78	62	63	59
GA	34	22	24	24
IL	92	85	98	94
IN	94	89	96	91
IA	97	93	99	97
KS	86	67	85	84
KY	85	77	59	57
LA	97	93	96	86
MI	93	76	86	85
MN	97	95	99	96
MS	95	91	84	75
MO	81	68	81	75
NE	92	87	92	96
NC	25	20	16	17
OH	97	92	94	90
SC	22	11	11	13
SD	92	86	97	93
TN	78	55	49	45
ALL	89	82	88	85

These 19 States harvested 93% of last year's soybean acreage.

Corn Percent Harvested

	Nov 1 1998	Prev Week	Prev Year	5-Yr Avg
CO	73	64	75	68
GA	100	99	98	98
IL	82	73	88	79
IN	82	68	58	61
IA	86	70	83	69
KS	96	92	93	90
KY	96	95	84	87
MI	71	59	18	36
MN	90	81	88	67
MO	85	80	86	77
NE	83	75	66	66
NC	100	100	94	95
OH	71	52	39	51
PA	60	53	44	47
SD	66	55	77	57
TX	100	98	99	99
WI	73	58	39	46
ALL	83	72	74	68

These 17 States harvested 92% of last year's corn acreage.

Cotton Percent Harvested

	Nov 1 1998	Prev Week	Prev Year	5-Yr Avg
AL	79	69	54	65
AZ	53	44	63	64
AR	91	79	72	77
CA	15	6	73	62
GA	58	46	46	58
LA	97	92	98	92
MS	98	94	84	84
MO	70	57	71	78
NM	23	18	29	37
NC	75	70	33	54
OK	74	58	29	33
SC	77	65	39	54
TN	92	84	71	75
TX	66	60	44	47
ALL	68	61	56	60

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

Sorghum Percent Harvested

	Nov 1 1998	Prev Week	Prev Year	5-Yr Avg
AR	100	100	99	98
CO	51	42	10	46
IL	86	56	88	70
KS	90	79	75	77
LA	100	100	100	100
MS	100	100	100	100
MO	85	76	81	78
NE	86	76	80	75
NM	34	14	45	34
OK	66	55	45	41
SD	82	74	79	75
TX	81	77	81	87
ALL	83	75	75	77

These 12 States harvested 99% of last year's sorghum acreage.

VP - Very Poor
P - Poor
F - Fair
G - Good
EX - Excellent
* - Revised

(Continued on Back Cover)

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 6.9. Topsoil 43% very short, 42% short, 15% adequate. Continued dry weather brought seeding of small grains, winter grazing crops to a standstill. Cotton harvested 79%, 54% 1997, 65% avg. Soybeans harvested 68%, 56% 1997, 49% avg. Peanuts dug 92%, 100% 1997, 96% avg.; combined 85%, 96% 1997, 93% avg. Livestock 2% very poor, 19%, poor, 56% fair, 21% good, 2% excellent. Pasture feed 16% very poor, 32% poor, 41% fair, 10% good, 1% excellent. Fall harvest was completed in many areas. Pastures continued to suffer, many cattlemen continued feeding hay. Harvest of turnips, collards, squash, okra continued.

ARIZONA: Cotton harvest is progressing but is still 1 week behind 1997, average. Scattered rains over the weekend slowed harvest in some areas. Alfalfa harvest activity was reported as 50% not being harvested, 9% light, 30% moderate, 11% active. Scattered showers interrupted harvest in several areas. Alfalfa condition was virtually unchanged from the previous week. Condition 2% poor, 17% fair, 58% good, 23% excellent. Sheeping off continued to increase. A few reporters reported small grains being planted. As of November 1, 1% of the durum wheat, 1% of other wheat, 3% of the barley had been planted. Some areas reported grain for grazing being planted. Other farmers reported preparing for small grain planting. Last week central areas growers harvested cantaloupes, green onions, honeydews, mixed greens, watermelons, a light volume of cabbage, cilantro, kale, spinach. Eastern producers shipped apples, chili peppers, head lettuce. Western producers continued to ship cantaloupes, honeydews. Western, central citrus groves continued to harvest lemons.

ARKANSAS: Days suitable for fieldwork 6.7. Soil moisture 2% very short, 22% short, 74% adequate, 2% surplus. Temperatures were much above normal for the week, precipitation was widely scattered, light. Most reporting stations had no rain during the period. Main farming activities: Harvesting cotton, soybeans; completing the rice harvest; planting wheat. Both the soybean, cotton harvest progressed nearly a week ahead of 1997, ahead of average. Other farm activities included planting cool season pastures to offset losses from armyworms, drought; shredding cotton stalks; leveling, draining, preparing ground for 1999; treating wheat for ryegrass control. Cattle producers continued to wean, market calves and cull cows from their herds. Cattle were treated for worms, tested for pregnancies, reported in good condition statewide. Oats 14% fair, 78% good, 8% excellent. Alfalfa 1% very poor, 27% poor, 53% fair, 19% good. Other hay 6% very poor, 15% poor, 42% fair, 36% good, 1% excellent. Range, pasture feed 6% very poor, 24% poor, 40% fair, 28% good, 2% excellent.

CALIFORNIA: Field activities gradually resumed as soils dried from the previous weekend's rainfall. Seeding of small grains, winter forages slowly gained momentum. Earlier seeded wheat, barley fields were emerging. Cotton harvest in the San Joaquin, Sacramento valleys was temporarily delayed by wet soils early in the week. By midweek cotton harvest was back in full swing, followed immediately by plowdown for pink bollworm control. Desert area cotton harvest was ongoing. Rice harvest was winding down in the Sacramento, northern San Joaquin valleys. Stubble burning was halted by wet conditions. Corn for grain, silage; dry beans, sugar beets were harvested where conditions permitted. Imperial Valley sugar beets were treated for armyworms, aphids, while new crop sugar beets were still being seeded in the San Joaquin Valley. Alfalfa, sudan grass were cut for hay or greenchopped. Seedbed preparation for planting small grains, forage crops, new alfalfa continued. Some orchardists were pruning, conducting post harvest irrigation, fertilization. San Joaquin Valley grape growers continued to harvest grapes for fresh consumption. Emperor, Red Globe, Crimson Seedless were the major varieties moving. Thompson Seedless grapes were picked for fresh, raisin, wine uses. About 2% of the raisins were on open trays, 3% rolled, 95% picked up. Cool weather has slowed drying. Harvest of grapes for wine was also active. Fuji, granny smith apple picking was active. Fig, olive, persimmon, pomegranate harvests continued. Kiwifruit picking was active; quality was good, but fruit size was small. Almond, pistachio, walnut harvests were nearing completion. Valencia orange harvest continued at a slow pace. New crop navel oranges were maturing, small sized fruit. Lemon, grapefruit picking continued. Satsuma harvest was underway. Maturity was somewhat delayed. Fall season strawberry harvest continued. Harvest of potatoes, bell peppers, cucumbers continued. Harvest of fresh, processing tomatoes came to an end throughout State. Broccoli, lettuce harvests continued in the San Joaquin Valley, central coast areas. Fall cantaloupes, honeydew melons were harvested in the Imperial Valley. Additional vegetable crops harvested included fresh, processing onions, eggplant, turnips, potatoes, green beans, cucumbers, squash, radishes, parsley, sweet potatoes, beets. Harvests of fall cabbage, cauliflower, spinach crops were beginning in the southern San Joaquin Valley. Garlic, carrot, onion, potato fields continued to be planted in central, southern counties. Pasture, rangeland conditions were improving. Early week rainfall in central, northern areas started new grass growth, but more was needed before stocker cattle can be turned out. Stock cows on winter pastures were in good condition with the abundance of old feed, most were being provided supplemental nutrients. Fall calving continued in some areas. Stock ewes were moved onto alfalfa pastures, bean fields in the San Joaquin Valley. Fall lambing was underway. Feeder lambs in the southern desert areas were moving onto alfalfa, sudan grass pastures.

COLORADO: Days suitable for fieldwork 3.7. Topsoil 4% very short, 14% short, 67% adequate, 15% surplus. Subsoil 7% very short, 25% short, 66% adequate 2% surplus. Scattered rain and/or snow showers brought some needed moisture to the winter wheat crop but slowed some late harvest activities. Sugar beets 83% harvested, 81% 1997, 86% avg. Alfalfa 82% 4th cutting, 80% 1997, 64% avg.; 1% very poor, 5% poor, 22% fair, 59% good, 13% excellent. Pasture, range feed in mostly good to fair condition. Livestock continue to be moved to graze crop residues as harvest is completed.

DELAWARE: Days suitable for fieldwork 7.0. Topsoil 5% very short, 45% short, 50% adequate. Subsoil 2% very short, 44% short, 54% adequate. Barley 31% fair, 68% good, 1% excellent; 91% planted, 93% 1997, 87% avg. Wheat 20% fair, 78% good, 2% excellent; 60% planted, 59% 1997, 52% avg. Soybeans 90% shedding leaves, 93% 1997, 94% avg.; 50% harvested, 32% 1997, 39% avg. Field corn 93% combined, 72% 1997, 87% avg. Sorghum 50% harvested, 29% 1997, 41% avg. Alfalfa hay 40% 5th cutting, 51% 1997, 46% avg. Other hay 90% 4th cutting, 98% 1997, 65% avg. Hay supplies 27% short, 73% adequate. Pasture feed 6% poor, 47% fair, 47% good. Activities: Continued fall harvesting, good work week for sowing small grains.

FLORIDA: Topsoil moisture short to adequate. Haying active. Tobacco markets closed October 20th. Cotton, peanut, soybean harvests active. Sugarcane harvest gaining momentum. Sugarcane planting active. Eighty-nine percent peanut acreage for nuts harvested. Harvesting tomatoes started in Palmetto-Ruskin region while picking Bell peppers began around Immokalee. Snap bean, cucumber harvesting started East Coast region. Major crops shipped included snap beans, sweet corn, cucumbers, eggplant, peppers, pickles, squash, tomatoes, watermelons. In citrus area, early week warm weather followed by rain, cooler temperatures. A little irrigation. New growth slowed. Harvesting crews moving early oranges, white, colored grapefruit, early tangerines. Few processing plants now open. Caretakers cutting cover crops, few sprays, fertilizers being applied. Dead trees being pushed, a few resets being planted. Pasture feed fair 35%, good 55%, excellent 10%. Cattle fair 25%, good 65%, excellent 10%. North; land preparation for winter forage production active; half of forage planted. Central; pastures looked good, grass growing with good color. However, pastures declining seasonally due to dry weather. West Central; pastures in fair condition, not much growth but still somewhat green. Southwest; pastures received good showers. Statewide, cattle, calves in fair to good condition.

GEORGIA: Days suitable for fieldwork 6.7. Soil moisture 29% very short, 52% short, 19% adequate. Cotton 13% very poor, 23% poor, 45% fair, 16% good, 3% excellent; 93% bolls open, 95% 1997, 96% avg. Peanuts 96% dug, 100% 1997, 99% avg. Rye 69% planted, 67% 1997, 70% avg. Sorghum 90% harvested for grain, 74% 1997, 80% avg. Soybeans 21% very poor, 26% poor, 36% fair, 16% good, 1% excellent; 97% dropping leaves, 96% 1997, 97% avg. Other small grains 52% planted, 49% 1997, 51% avg. Onions 0% transplanted, 2% 1997, 3% avg. Apples 96% harvested, 95% 1997, 95% avg. Pecans 16% very poor, 35% poor, 34% fair, 15% good; 31% harvested, 23% 1997, 21% avg. Dry conditions allow for good harvesting progress of most field crops, delayed some fall planting, other field preparations. Cotton, soybean harvest continued to benefit from the dry weather. Soil moisture levels are short across the State. Rain is needed in all areas. Northwestern producers report above average soybean yields. Pasture, small grain planting continued. Dry weather delayed the emergence of small grains in most area. Condition ratings for most crops declined from previous week. Other activities included irrigating vegetables, overseeding pastures, apple, pecan harvesting, routine care of livestock.

HAWAII: Beneficial mixture of sunshine, showers enabled crops to make good progress. Fieldwork, crop maintenance programs were very active. Banana production steady at moderate to heavy volume. Papaya fields in mostly fair to good condition. Harvesting will remain steady. Head cabbage production steady, of good quality; with some reporting smaller heads. Tomato production heavy from Hawaii island. Harvesting of sweet corn expected to increase.

IDAHO: Days suitable for fieldwork 6.3. Topsoil 1% surplus, 73% adequate, 26% short. Sugar beets, apple harvest nearing completion. Precipitation totals below normal. Onions harvested 100%, 1997 100%, avg. 100%. Apples harvested 85%, 1997 94%, avg. 92%. Potatoes harvested 98%, 1997 99%, avg. 98%. Corn harvested for grain 42%, 1997 38%, avg. 46%. Sugar beets harvested 81%, 1997 82%, avg. 78%. Activities: Fall ground preparation, wrapping up fall harvest, winter wheat planting, winterizing sprinkler systems, caring for livestock.

ILLINOIS: Days suitable for fieldwork 5.2. Topsoil 1% very short, 11% short, 78% adequate, 10% surplus. Rain slowed harvest last week in the northern part of the State. In other areas, dry conditions allowed farmers to make progress harvesting the late corn, soybeans. Other activities last week included cleaning equipment, applying anhydrous ammonia, hauling grain, caring for livestock.

INDIANA: Days suitable for fieldwork 5.6. Topsoil 3% very short, 24% short, 70% adequate, 3% surplus. Subsoil 10% very short, 30% short, 55% adequate, 5% surplus. Harvest slowed down, but remains ahead of average. Cool, damp weather late in the week hampered harvest activities, especially over the weekend. Corn harvest advanced 14%, remaining about 10 days ahead of normal. Soybean harvest only progressed 5%, as harvest nears completion. Fall tillage operations reportedly are also running ahead of normal, as many farmers are wrapping up harvest early. Range, pasture feed 5% very poor, 18% poor, 40% fair, 33% good, 4% excellent. Activities: Harvesting corn, soybeans, seeding winter wheat, fall tillage, caring for livestock.

IOWA: Days suitable for fieldwork 4.3. Topsoil 1% very short, 7% short, 71% adequate, 21% surplus. Subsoil 2% very short, 14% short, 72% adequate, 12% surplus. Western districts reported good harvest conditions with soybean harvest nearly finished. Corn is being piled on the ground in the northwest, north central. In the eastern portion of the State, fields are muddy with reports of soil compaction. Fall tillage, fertilizer application are keeping producers busy between rain showers. Corn acreage harvested 86%, 83% 1997, 69% avg. Moisture of all field corn averaged 18%; harvested corn averaged 17%. Corn lodging 33% none, 43% light, 19% moderate, 5% heavy; corn ear droppage 36% none, 45% light, 17% moderate, 2% heavy. Soybean acreage harvested 97%, 99% 1997, 97% avg. Winter wheat planted 91%, 89% 1997, 94% avg. Completion of 1999 row crop fall tillage 27%, 31% 1997, 23% avg.; fall fertilizer applied 23%, 28% 1997, 20% avg. Grain movement 15% none, 41% light, 34% moderate, 10% heavy. Off-farm grain storage availability 37% short, 62% adequate, 1% surplus; on-farm storage 36% short, 63% adequate, 1% surplus. Pasture feed declined slightly to 4% very poor, 11% poor, 33% fair, 40% good, 12% excellent.

KANSAS: Days suitable for fieldwork 5.8. Topsoil 1% very short, 10% short, 82% adequate, 7% surplus. Subsoil 1% very short, 9% short, 85% adequate, 5% surplus. Sorghum, soybean harvest made good progress. Rains late in the week stall fieldwork. Sunflowers harvested 91%, 72% 1997. Major field activities were seeding wheat, harvesting grain, fall tillage. Pasture feed 7% poor, 33% fair, 55% good, 5% excellent. Stock water 1% very short 4% short, 89% adequate, 6% surplus. Producers weaning calves and moving cattle to crop residue.

KENTUCKY: Days suitable for fieldwork 5.5. Topsoil 19% very short, 48% short, 32% adequate, 1% surplus. Subsoil 23% very short, 44% short, 31% adequate, 2% surplus. Above normal temperatures Statewide. Rainfall inches continued below normal. Cool, damp mornings helped stripping of tobacco. Stripped tobacco 1% very poor, 12% poor, 35% fair, 43% good, 9% excellent. Pasture feed 11% very poor, 25% poor, 39% fair, 24% good, 1% excellent. Winter wheat 81% seeded, 78% 1997, 77% avg.; 3% poor, 28% fair, 57% good, 12% excellent.

LOUISIANA: Days suitable for fieldwork 6.7. Soil moisture 5% very short, 42% short, 52% adequate, 1% surplus. Hay 94% final cutting, 100% 1997, 98% avg. Pecans 6% very poor, 19% poor, 40% fair, 26% good, 9% excellent; 25% harvested, 25% 1997, 20% avg. Soybean acres were plowed under due to poor soybeans. Sugarcane 2% very poor, 10% poor, 31% fair, 39% good, 18% excellent; 99% planted, 100% 1997, 99% avg.; 24% harvested, 24% 1997, 28% avg. Sweet potatoes 88% harvested, 81% 1997, 82% avg. Soft spots on sweet potatoes were reported as harvest continued. Wheat 55% planted, 31% 1997, 31% avg.; 35% emerged, 12% 1997, 16% avg. Livestock 2% very poor, 10% poor, 41% fair, 43% good, 4% excellent. Vegetables 5% very poor, 18% poor, 47% fair, 27% good, 3% excellent. Pastures: Many winter pastures are up but need rain.

MARYLAND: Days suitable for fieldwork 6.7. Topsoil 24% very short, 58% short, 18% adequate. Subsoil 28% very short, 50% short, 22% adequate. Barley 10% very poor, 17% poor, 18% fair, 43% good, 12% excellent; 95% planted, 91% 1997, 91% avg. Rye 1% very poor, 17% poor, 31% fair, 44% good, 7% excellent; 84% planted, 78% 1997, 75% avg. Wheat 1% very poor, 17% poor, 33% fair, 45% good, 4% excellent; 70% planted, 60% 1997, 66% avg. Field corn 85% combined, 76% 1997, 82% avg. Soybeans 60% harvested, 48% 1997, 49% avg. Sorghum 70% harvested, 48% 1997, 53% avg. Tobacco 16% stripped, 8% 1997, 11% avg. Pasture feed 12% very poor, 35% poor, 24% fair, 29% good. Other hay 4th cutting 94% harvested, 80% 1997, 78% avg. Alfalfa hay 50% 5th cutting, 47% 1997, 57% avg. Hay supplies 5% very short, 21% short, 68% adequate, 6% surplus. Activities: Continued sowing of small grains, continued harvesting of corn, soybeans, sorghum, hay; stripping tobacco.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 12% very short, 28% short, 58% adequate, 2% surplus. Subsoil 15% very short, 45% short, 38% adequate, 2% surplus. Hay 4th cutting 87%, 88% 1997, 84% avg. Light rain fell across State early in week. Temperatures 4 to 7 degrees above normal. Some areas have still not had a freeze. Ideal harvest weather continued past week. Some farmers completely finished with sugarbeet harvest while others about to finish. Corn harvest progressing ahead of average. Soybean harvest almost complete. Only double cropped soybeans to be harvested in southeast corner of State. Winter wheat planting nearly complete with many areas needing additional moisture to help crop along. Most cover crops were also in place. Low soil moisture made fall tillage difficult in some areas.

MINNESOTA: Days suitable for fieldwork 3.5. Topsoil 4% short, 77% adequate, 19% surplus. Soybeans 13% moisture content, 11% 1997, 12% avg.; 77% stubble worked, 83% 1997, 64% avg. Sugar beets 98% harvested, 99% 1997, 98% avg. Sunflowers 63% harvested, 91% 1997, 86% avg. Corn 17% moisture content, 18% 1997, 22% avg.; stubble worked 59%, 62% 1997, 38% avg. Pasture feed 6% very poor, 15% poor, 28% fair, 46% good, 5% excellent. Rainfall during the week, especially in southern areas of the State, kept farmers from harvesting, doing other fall fieldwork. Corn, soybean harvest is nearing completion, so many farmers have been busy with fall tillage and fertilizer application for next year's crop.

MISSISSIPPI: Days suitable for fieldwork 6.9. Soil moisture 48% very short, 37% short, 15% adequate. Cotton 98% harvested, 84% 1997, 84% avg. Soybeans 95% harvested, 84% 1997, 75% avg. Sweet potatoes 90% harvested, 83% 1997, 88% avg. Wheat 72% planted, 68% 1997, 63% avg.; 42% emerged, 52% 1997, 44% avg.; 7% very poor, 8% poor, 57% fair, 26% good, 2% excellent. Peanuts 97% harvested, 100% 1997. Hay supply 25% short, 71% adequate, 4% surplus. Feed grain 17% short, 76% adequate, 7% surplus. Cattle 3% very poor, 15% poor, 45% fair, 30% good, 7% excellent. Pasture feed 18% very poor, 33% poor, 32% fair, 16% good, 1% excellent. Activities: Cotton, soybean harvests are nearing completion. Dry weather is causing wheat emergence to lag behind 1997, average.

MISSOURI: Days suitable for fieldwork 5.6. Topsoil 1% very short, 9% short, 70% adequate, 20% surplus. Wettest areas are northeast at 48% surplus, west central, southwest are about 25% surplus, while south central at 26% short, southeast at 34% short. Ground intended for next year's spring crops that has been worked at least once (excluding no-till) 27%, 30% 1997, 20% avg. Corn harvest least advanced northeast 67%, northwest 75%, while central third is over 90%, southern third of State has been complete for about a month. Soybean harvest most advanced in south central 90%, north central 87%, central district at 86%, least advanced southwest, west central at 75%. Sorghum harvest virtually complete southern third of State, while central 60%, northeast 65%, east central 68% are least advanced. Wheat planting most advanced in Bootheel at 80%, followed by east central 76%, south central 73%, least advanced west central 40%, southwest 43%, northeast 58%. Cotton harvest 6 days behind normal. Weekly precipitation 1.26 in. Rainfall for the month of October averaged 6.45 in. compared with the 30-year avg of 3.37 in. East central, south central at 4.0 in avg the lowest for the month, while most other areas in the northern two-thirds of State avg 7.0 to 9.0 in. Lowest pasture feed 5% poor, 22% fair, 60% good, 13% excellent.

MONTANA: Days suitable for fieldwork 5.5. Topsoil 7% very short, 37% short, 54% adequate, 2% surplus. Subsoil 12% very short, 42% short, 45% adequate, 1% surplus. Only significant amounts of precipitation were reported in the eastern part of the State. Rest of the State either received no moisture or only trace amounts. Sugar beets harvested 88%, 98% 1997, 94% avg. Potatoes harvested 95%, 93% 1997, 95% avg. Range, pasture remains in mostly fair to poor condition. Ranchers have moved 83% of the cattle and 85% of the sheep off summer pastures compared with a five year average of 79% of the cattle and 84% of sheep moved off by this time. Calf weights are reported to be average, which is surprising to some producers considering the dry weather which damaged range feed. Winter feed supplies are reported to be good, which will be important since cattle are being moved off summer pastures earlier than normal.

NEBRASKA: Days suitable for fieldwork 4.5. Topsoil 3% very short, 14% short, 81% adequate, 2% surplus. Subsoil 3% very short, 17% short, 79% adequate, 1% surplus. Corn harvest 83%, 1 week ahead of 66% 1997, 66% avg. Soybean harvest 92%, 92% 1997, 96% avg. Sorghum harvest 86%, ahead of 80% 1997, 75% avg. Alfalfa 4% poor, 23% fair, 66% good, 7% excellent. Wheat emergence 99%, behind 100% 1997, 100% avg. Pasture feed 2% very poor, 10% poor, 29% fair, 55% good, 4% excellent. Producer activities; fall tillage, fertilizer application, fencing, weaning calves, livestock health programs, LDP requests.

NEVADA: Temperatures averaged below normal statewide as seasonal weather became more pronounced. Most areas received some precipitation with totals exceeding one-half inch in parts of the east. Light snow fell in the High Sierra. Limited fourth cut haying continued in north-central valleys. Harvesting of corn for grain continued. Fall grain seeding virtually near complete. Sod harvest continued south. Mint distilling continued in Orovada. Garlic, onion harvests complete. Potato harvest near completion. Pasture, range condition remained mostly good. Cattle being vaccinated, moved to winter range. Calves being shipped to market. Main farm, ranch activities: Shipping cattle, haying, potato harvest.

NEW ENGLAND: Days suitable for fieldwork 6.0. Topsoil 10% short, 78% adequate, 12% surplus. Pasture feed 10% very poor, 10% poor, 9% fair, 70% good, 1% excellent. Some farmers continued harvesting corn for grain. Cold nights, cool days brought the fruit, vegetable harvest season to an end in most locations. Many farmers stayed busy with post harvest activities.

NEW JERSEY: Days suitable for fieldwork 7. Amount of feed requirements pastures are supplying is average. Irrigation water supply is adequate. Farmers are planting cover crops (wheat, rye). Harvesting of fall items (cabbage, endive, escarole, lettuce, parsley, spinach, turnips, butternut squash, sweet potatoes) continue. Except for a few farmers in south area, harvesting of summer vegetables (tomatoes, peppers, cucumbers) is complete. Cranberry harvest is complete. Apple harvest continues with a good supply reported. Harvesting of soybeans, corn for grain continues. Pasture conditions are fair to good.

NEW MEXICO: Days suitable for fieldwork 3.3. Heavy precipitation continued across the State again last week, slowing harvest activities. When possible, farmers continued with fall harvest of chile, corn, sorghum, cotton, lettuce, apples. Red chile harvest advanced slightly to 34% picked, 39% 1997; 2% poor, 30% fair, 58% good, 10% excellent. Corn harvest continued, with 82% of the grain in, 85% 1997; 7% poor, 25% fair, 60% good, 8% excellent. Despite rainfall in the major sorghum producing areas, harvest advanced to 25% complete. Precipitation during harvest caused damage to the cotton crop. The extent of the damage is not yet known. Cotton harvest inched forward to 23% complete. Hay producers were finishing up final cuttings of the year. The 6th cutting moved to 72% complete; 3% very poor, 6% poor, 41% fair, 46% good, 4% excellent. Apple harvest completed last week, 100% 1997; 15% poor, 23% fair, 61% good, 1% excellent. In the south 51% of the lettuce crop was harvested, 18% fair, 50% good, 32% excellent. Onion planting was winding down, with 85% in the ground. Pecans remained in good condition. Cattle, sheep stayed in fair to good condition. Topsoil moisture improved to 9% very short, 26% short, 57% adequate, 8% surplus.

NEW YORK: Corn for grain, late apples, vegetables, potato harvests continue active. Growers grading, packing, moving crops into storage. Machinery maintenance, repair very active. Cider, wine making continued in full swing.

NORTH CAROLINA: Days suitable for fieldwork 6.6. Soil moisture remains short to very short in most areas and for the State is rated 37% very short, 44% short, and 19% adequate. Weather for the week was optimal for farmers who were harvesting late season crops. Good progress was made harvesting cotton, peanuts, sweet potatoes which are well above the averages. Pasture conditions, particularly in the western portions of the State, continue to deteriorate. Statewide, 6.7 days were suitable for fieldwork. Activities for the week included: harvesting cotton, peanuts, sweetpotatoes, soybeans and sorghum; planting small grains; and tending livestock.

NORTH DAKOTA: Days suitable for fieldwork 5. Row crop harvest and fieldwork were delayed as rain hit midweek, causing wet conditions in the eastern part of the State. Producers were busy trying to finish fall tillage and chemical applications. Topsoil moisture supplies: 0% very short, 4% short, 87% adequate, 9% surplus. Subsoil moisture supplies: 1% very short, 11% short, 81% adequate, 7% surplus. Producers continued to make excellent progress on corn and sunflower harvest, about one week ahead of average. Corn for grain 83% harvested; 86% 1997; 74% avg.; soybeans 94% harvested; 99% 1997; 95% avg.; sugarbeets 98% lifted; 100% 1997; 99% avg.; sunflower 84% harvested; 92% 1997; 78% avg. Sugarbeat harvest neared completion slightly behind average. Pasture feed rated 5% very poor, 14% poor, 39% fair, 38% good, 4% excellent. Stockwater supplies rated none very short, 3% short, 94% adequate, and 3% surplus.

OHIO: Days suitable for fieldwork was 5.9 days. Topsoil moisture 3% very short, 22% short,73% adequate, 2% surplus. Corn harvested for grain 71%, 39% 1997, 52% avg. Soybeans harvested 97%, 94% 1997, 91% avg. Winter wheat planted 99%, 97% 1997, 96% avg. Winter wheat emerged 90%, 68% 1997, 73% avg. Tobacco 19% stripped, 9% 1997. Fall, winter apples 96% harvested, 88% 1997, 87% avg. Pasture 3% very poor, 11% poor, 38% fair, 42% good, 6% excellent. Winter wheat 0% very poor, 1%

poor, 19% fair, 59% good, 21% excellent. Weather conditions have been mostly favorable for harvest progress with the exception of a couple of scattered showers. Moisture in the air has allowed tobacco farmers to strip more of their crop. Some frost has been reported throughout the State as several reporters mentioned that the frost has been beneficial in killing weeds. Activities include fall harvest; plowing, discing; land leveling; planting wheat; spreading lime, fertilizer, manure; drying grain; picking ear corn; repairing, winterizing equipment; maintaining fences; cutting firewood; baling fodder; stripping tobacco; weaning calves. Several reporters mentioned storage problems on farms, at elevators. Some mills have temporarily shut down due to capacity problems which has caused some farmers to slow down the corn harvest. Frost has caused the weed population to decline with most damage to crops being from deer, raccoons. Pasture conditions changed slightly from last week. Most reporters in the central to northern half of the state report good pasture conditions while the drier south report slow regrowth, over-grazed pastures. Livestock conditions are mostly good.

OKLAHOMA: Days suitable for fieldwork 4.8. Topsoil moisture 1% very short, 14% short, 76% adequate, 9% surplus. Subsoil moisture 5% very short, 15% short, 77% adequate, 3% surplus. Abundant weekend rainfall aided germination of newly planted wheat. Oats 86% planted, 73% 1997, 68% avg; 60% up-to-stand, 47% 1997, 43% avg; Corn 100% harvested, 100% 1997, 98% avg; Soybeans 61% harvested, 62% 1997, 57% avg; Peanuts 59% combined, 62% 1997, 50% avg; Alfalfa Hay 1% very poor, 11% poor, 43% fair, 43% good, 2% excellent; 89% 4th cutting, 98% 1997, 99% avg; 32% 5th cutting, 58% 1997, 71% avg; Other Hay 62% 2nd cutting, 83% 1997, 97% avg; Livestock 2% very poor, 6% poor, 26% fair, 65% good, 1% excellent. Cattle marketings average.

OREGON: Days suitable for fieldwork 6.5. Topsoil 7% very short, 39% short, 50% adequate, 4% surplus. Subsoil 2% very short, 26% short, 69% adequate, 3% surplus. Barley planted 45%, 48% 1997, 46% average. Winter wheat 3% poor, 23% fair, 74% good; planted 87%, 92% 1997, 87% average; emerged 69%, 69% 1997, 61% average. Range & pasture condition 1% very poor, 9% poor, 38% fair, 50% good, 2% excellent. Activities: Eastern Oregon grain planting continued. Some field preparation for next spring underway. Planting conditions fairly dry resulting in uneven emergence. Dry conditions hard on Canola & mustard. Some wheat re-seeded due to lack of moisture. Sugarbeet & field corn harvest underway. Willamette Valley fall tillage & seeding nearly completed & grass seed fields growing nicely. Herbicide spray applications continued. Coastal counties corn silage harvest nearly completed. Nurseries started digging bareroot plant material. Greenhouses busy with starts for next season & Christmas plants. Sales & movement of containers & balled & burlapped plant material continued. Christmas tree harvest started & trees flown & shipped. Vegetable harvest nearly finished in Western Oregon. Cole crops harvest continued & some salad vegetables were still available. Root crops being dug up & stored. Pumpkins, green peppers & squash were harvested; frost ended any other vegetable harvest. In Eastern Oregon, onion & potato crops were almost finished. Yields down in some areas. Fall fruit & nut harvests winding down state wide. Berry fields ready for winter & orchards preparing for winter. Some of apples remained on trees due to low price. Livestock condition continued mostly good. Fall weaning continued. Some grazing on alfalfa hay regrowth. Willamette Valley pastures continued to show good fall regrowth & reduce need for supplemental feeding. Some low land pastures started to get soggy.

PENNSYLVANIA: Excellent week for fieldwork. Days suitable for fieldwork 6.3. Soil moisture 18% very short, 40% short, and 42% adequate. Ensilage corn harvested 100% harvested, 94% 1997, 96% avg. Soybean harvest 58% complete, 53% 1997. 49% avg. Soybean crop condition 1% very poor, 5% poor, 22% fair, 58% good, 14% excellent. Potato harvest 95% complete, 93% 1997, 93% avg. Fall plowing 76% complete, 84% 1997, 82% avg. Barley planted 97% complete, 99% 1997, 97% avg. Barley emerged 81% complete, 80% 1997, average not available. Alfalfa fourth cutting 90% complete, 82% 1997, 79% avg. Quality of hay made 17% very poor, 5% poor, 13% fair, 42% good, 23% excellent. Grape harvest 97% complete, 95% 1997, 95% avg. Apple harvest 91% complete, 85% 1997, 90% avg. Activities: fall plowing; cutting hay and haylage; harvesting grapes, apples, corn, soybeans, buckwheat and potatoes; seeding wheat, barley and cover crops; filling silos; machinery maintenance; fixing fences; hauling and spreading manure; spreading lime; making apple butter; and caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 6.6. Soil moisture 35% very short, 52% short, 13% adequate. Apples 99% harvested, 97% 1997, 95% avg. Barley 78% planted, 81% 1997, 57% avg; 44% emerged, 64% 1997, 41% avg; 5% poor, 83% fair, 12% good. Livestock Condition 6% poor, 32% fair, 56% good, 6% excellent. Oats 67% planted, 66% 1997, 59% avg; 45% emerged, 50% 1997, 43% avg; 9% poor, 61% fair, 30% good. Pasture Condition 6% very poor, 22% poor, 46% fair, 26% good. Peanuts 87% harvested, 88% 1997, 84% avg. Pecans 39% harvested, 40% 1997, 25% avg; 4% poor, 51% fair, 44% good, 1% excellent. Rye 66% planted, 71% 1997, 58% avg; 49% emerged, 54% 1997, 45% avg; 14% poor, 42% fair, 44% good. Sorghum 85% harvested, 89% 1997, n/a avg; 2% very poor, 10% poor, 52% fair, 35% good, 1% excellent. Sweetpotatoes 96% harvested, 89% 1997, 66% avg. Tobacco 99% stalks destroyed, 100% 1997, 98% avg. Winter grazings 78% planted, 82% 1997, 76% avg; 62% emerged, 63% 1997, 57% avg; 7% very poor, 19% poor, 37% fair, 37% good. Winter wheat 30% planted, 37% 1997, 20% avg; 20% emerged, 27% 1997, 12% avg; 2% very poor, 22% poor, 50% fair, 26% good.

SOUTH DAKOTA: Days suitable for fieldwork 3. Topsoil 73% adequate, and 27% surplus. Subsoil 1% short, 75% adequate, and 24% surplus. Harvest was halted once again by mid-week rains and fog. Sunflower 83% harvested, 89% 1997, 81% avg. Corn 1% poor, 6% fair, 46% good, 47% excellent. Soil conditions remain in good condition from the moisture received. Winter rye 18% fair, 62% good, 20% excellent. Livestock remain in good to excellent condition. Pastures continue to benefit from the moisture and are reported in good condition for winter and next spring. Livestock 6% fair, 67% good, 27% excellent. Stock water supplies 3% short, 76% adequate, 21% surplus.

TENNESSEE: Days suitable for fieldwork 7.0. Topsoil moisture 30% very short, 40% short, 30% adequate. Subsoil moisture 28% very short, 39% short, 33% adequate. Burley 50% stripped, 40% 1997, 43% avg. Pastures 15% very poor, 30% poor, 37% fair, 18% good. Winter wheat 66% seeded, 61% 1997, 62% avg.; 3% very poor, 9% poor, 29% fair, 50% good, 9% excellent. Burley tobacco stripping remained ahead of the five-year average pace, but dry conditions are slowing the process. Bigger producers had resorted to using sprinkler and ventilation systems in their barns to help the crop come into order, allowing stripping activities to take place. Tobacco producers reported a lack of good color. Fall seedings were slowed and growth of wheat and pastures were stressed by below normal rainfall for this time of year. Rhea county producers reported a big pumpkin crop with good weight.

TEXAS: Rain lingered midweek some areas with warmer, open conditions returning late week. Fieldwork slowed early week but activity increased by late week. Producers Central continued their cleanup operations after flooding. Lots of livestock still missing or dead. Soil erosion severe some areas. Winter ranges, pastures made good progress with additional moisture. Stockers beginning to move onto wheat pastures some areas.

Crops: Small Grains: Planting operations slowed by wet ground many areas. Some replanting occurred portions of State late week. Flooding washed out some fields Central. Recent rains improved prospects most areas. Corn: Harvest virtually completed late week. Cotton: Wet conditions continued cause harvest delays Plains through mid week. Yields continued good most remaining fields as progress improved late week. Some producers will await hard freeze before beginning harvest. Grain Sorghum: Harvest slowly resumed Plains as conditions allowed. Many fields still need additional drying time. Peanuts: Harvest operations resumed late week Plains, however quality poor some fields. Harvest also increased South Central with good yields reported. Soybeans: Harvest moved slowly to completion in Plains as conditions allowed. Good yields continued.

Commercial Vegetables, Fruit and Pecans: Rio Grande Valley, land preparations slowly continued. San Antonio-Winter Garden, planting operations resumed late week. Some land preparations also completed. East, sweetpotato harvest continued with high incidents of rotting reporting. High Plains, harvest operations winding down late week. Trans Pecos, chili, bell pepper harvest continued few fields. Pecans: Harvest slowly got underway North Central, West areas as conditions allowed. Reports of losses continued along many Central rivers, mainly to native river bottom trees.

Range and Livestock: Native winter pastures improved with recent rains, cooler temperatures. Small grains have also improved some stockers being

moved on older fields. Livestock conditions continued good most areas. Many head still unaccounted for low lying flooded areas.

UTAH: Days suitable for fieldwork 4. Topsoil moisture 11% short, 85% adequate, 4% surplus. Subsoil moisture 13% short, 87% adequate. Pasture and range condition 11% poor, 22% fair, 54% good, 13% excellent. Cattle moved from summer range 94%, 98% 1997, 97% avg. Sheep moved from summer range 98%, 99% 1997, 97% avg. Winter wheat emerged 90%, 92% 1997, 83% avg. Corn: mature 93%, 99% 1997, 94% avg: harvested for grain 37%, 74% 1997, 62% avg. Onions harvested 97%, 100% 1997, 100% avg. Apples 93% picked, 100% 1997, 97% avg. Farmers are nearing the end of harvest season.

VIRGINIA: Days suitable for fieldwork 6.8. Topsoil moisture 51% very short, 42% short, 7% adequate. Subsoil moisture 44% very short, 45% short, 11% adequate. Corn 93% harvested, 76% 1997, 83% avg. Cotton 82% harvested, 32% 1997, 46% avg. Soybeans 48% harvested, 25% 1997, 28% avg; 11% very poor, 24% poor, 34% fair, 27% good, 4% excellent. Winter Wheat 30% seeded, 38% 1997, 42% avg. Barley 69% seeded, 76% 1997, 81% avg. Fall Apples 97% harvested, 95% 1997, 98% avg; Winter Apples 81% harvested, 84% 1997, 83% avg. Pasture 37% very poor, 42% poor, 18% fair, 3% good. Livestock 1% very poor, 14% poor, 35% fair, 44% good, 6% excellent. Topsoil moisture levels continued to decline this past week bringing the acres of cropland categorized as short or very short to 93 percent. Some areas of Central Virginia have reported that forest fires are currently a real threat. While water supplies and grazable forage remained short most livestock remained in good to fair condition this past week. Livestock producers have been able to keep their herds in this condition due to continued feeding at mid-winter levels. Soybean harvest continues ahead of schedule in most areas due to the extremely dry conditions. Small grain producers are attributing uneven emergence to the dry conditions as well. Some small grain acres have still not been planted. Producers are reporting that they will probably not attempt to plant any more until after the next rainfall. With cotton and peanut harvest continuing rapidly, many producers have reported that they are realizing surprisingly good yields. Other activities for the week included continued marketing of cattle, stripping, grading, and preparing tobacco for market, harvesting vegetables, applying lime and fertilizer, mowing ditches and banks, spreading manure on fields, and overseeding pastures and hayfields.

WASHINGTON: Days suitable for fieldwork 6.7. Topsoil moisture 23% very short, 27% short; 50% adequate; subsoil moisture 25% very short, 45% short, 30% adequate. Drought conditions persisted in east-central and southeastern regions. Some areas received light showers which benefitted the new wheat crop, many areas continued to report that the new crop was fair, at best, with spotty stands due to very dry conditions. Potatoes 97% harvested, 98% 1997, 95% avg. Corn for grain 50% harvested, 31% 1997, 36% avg. Grain corn, sugarbeet, and buckwheat harvests continued, potato harvest neared completion. Hay and other roughage supplies, 7% short, 80% adequate, 13% surplus. Range and pasture, 30% poor, 59% fair, 11% good. Pastures in western areas improved with precipitation, cattle remained in excellent condition. Cranberry harvest continued with areas reporting overall production above last year. Apple harvests were winding down with Red Delicious and Fuji Apple harvests nearing completion. A large portion of the lower quality fruit was left unpicked, north central regions reported that some orchards left 10 percent of the crop unpicked. Irrigation water was turned off and systems were being blown out to prepare for winter.

WEST VIRGINIA: Despite some rain, most pastures are still in need of moisture. However, dry weather enabled producers to make good harvest progress. Days suitable for fieldwork 5.8. Topsoil moisture 15% very short, 60% short, 25% adequate. Hay 3rd cut 98%, 100% 1997, 100% 5-yr avg. Corn harvested for grain 73%, 62% 1997, 72% 5-yr avg. Soybeans harvested for grain 89%, 65% 1997, 59% 5-yr avg. Wheat condition 1% very poor, 13% poor, 81% fair, 5% good. Wheat planted 77%, 67% 1997, 77% 5-yr avg; Wheat emerged 52%. Cattle 20% fair, 79% good, 1% excellent. Sheep 33% fair, 66% good, 1% excellent.

WISCONSIN: Days suitable for fieldwork: 4.7. Soil moisture: 2% very short, 12% short, 77% adequate, and 9% surplus. Soybeans harvested: 92%, 97% 1997, 90% avg. The last week of October was warmer than normal, with average temperatures running 3 to 9 degrees above the National Weather Service's 30-year normal. Also, varying amounts of rain fell last week. The warmth and the rain were great for the growth of winter wheat, and for helping to "green up" the state's pastures and last remaining fields of hay prior to the onslaught of winter. The northern part of the state continues to be drier than normal, and many farmers there will be looking for additional roughage supplies to get them through the winter. The individual districts varied from 3.5 to 5.3 days suitable for fieldwork. Farmers made good use of this time to advance corn and soybean harvests. In addition, those finished harvesting were able to work on manure hauling, fall tillage, and other fieldwork. There continues to be many comments from our reporters of inadequate storage space for storing this year's crops. There have been long delays at the grain elevators and terminals, and even an apparent shortage of semi-trailers! Some have reported seeing corn and other grains just piled on the ground, and others are having to transport their crops much farther than normal for storage. Pasture feed conditions: 2% very poor, 14% poor, 32% fair, 47% good, 5% excellent.

WYOMING: Days suitable for fieldwork 3.4. Topsoil moisture 4% short, 84% adequate, 12% surplus. Corn harvested for grain 37%, 35% 1997, 60% avg. Corn condition 2% poor, 8% fair, 88% good, 2% excellent. Winter wheat condition 10% fair, 83% good, 7% excellent. Cattle condition 3% fair, 93% good, 4% excellent. Calves condition 5% fair, 90% good, 5% excellent. Sheep condition 98% good, 2% excellent. Lamb condition 97% good, 3% excellent. Range and pasture condition 1% very poor, 6% poor, 18% fair, 61% good, 14% excellent. Hay and roughage supplies 12% short, 81% adequate, 7% surplus. Stock water supplies 1% short, 95% adequate, 4% surplus. Wet weather halted the corn for grain harvest.

International Weather and Crop Summary

October 25 - 31, 1998

HIGHLIGHTS

FSU-WESTERN: Light showers in eastern Ukraine and southern Russia continued to improve topsoil moisture for winter wheat emergence and establishment.

EUROPE: Soaking rain in northern Europe halted summer crop harvesting and winter wheat planting.

NORTHWESTERN AFRICA: Although dry weather helped pre-planting fieldwork in Morocco, Algeria, and Tunisia, growers are likely waiting for consistent autumn rains before widespread planting can begin.

AUSTRALIA: Unfavorable, heavy rain soaked Queensland's primary crop land.

SOUTH ASIA: Seasonable dryness returned to most areas, favoring summer crop drydown and second-season plantings.

SOUTH AFRICA: Several days of dry weather aided corn planting and wheat harvesting.

SOUTHEAST ASIA: Drier weather eased wetness in Indochina and especially in the Philippines.

EASTERN ASIA: Dry weather stressed developing winter wheat in the North China Plain.

SOUTH AMERICA: Drier weather returned to central Argentina, while wet weather continues to delay winter wheat harvesting in southern Brazil.

MEXICO: Remnants of Hurricane Mitch caused widespread flooding and some crop damage to extreme southeastern Mexico, Belize, Honduras, and Nicaragua.

October 1998

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE PREDICTION CENTER-NCEP-NWS-NOAA
****** DATA NOT AVAILABLE***

COUNTRY	CITY	TEMPERATURE (C)						PRECIPITATION (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	7	2	12	-5	4	-0.3	103	2
SWEDEN	STOCKHOLM	9	3	14	-3	6	-1.1	0	-50
FINLAND	HELSINKI	9	3	12	-4	6	0.6	140	67
UKINGDO	GLASGOW	12	6	16	-2	9	-0.8	220	90
UKINGDO	EDINBURGH	12	6	17	-3	9	-0.6	122	57
IRELAND	DUBLIN	13	8	19	0	11	-0.2	86	16
ICELAND	REYKJAVIK	5	1	13	-4	3	-1.2	39	-47
DENMARK	COPENHAGEN	11	7	14	2	9	-0.6	100	42
LUXEMBO	LUXEMBOURG	11	7	16	1	9	-0.7	185	109
SWITZERL	ZURICH	13	8	19	3	11	1.0	148	78
SWITZERL	GENEVA	15	8	21	2	12	1.7	102	27
FRANCE	PARIS/ORLY	15	9	19	6	12	***	108	***
FRANCE	STRASBOURG	14	8	22	2	11	1.1	79	36
FRANCE	BOURGES	15	8	21	3	12	0.0	90	32
FRANCE	BORDEAUX	18	10	24	6	14	0.6	120	32
FRANCE	TOULOUSE	18	10	23	4	14	-0.1	48	-4
FRANCE	MARSEILLE	20	12	23	9	16	0.0	40	-38
SPAIN	VALLADOLID	19	7	24	2	13	-0.5	12	-24
SPAIN	MADRID	21	7	26	2	14	-0.7	12	-42
SPAIN	SEVILLE	26	13	32	10	20	-0.2	1	-65
PORTUGA	LISBON	22	14	28	10	18	-0.3	4	-72
GERMANY	HAMBURG	11	7	18	1	9	-0.7	186	123
GERMANY	BERLIN	12	7	20	2	9	-0.8	107	71
GERMANY	DUSSELDORF	13	8	18	2	10	-0.3	143	91
GERMANY	LEIPZIG	12	7	20	1	9	-0.1	80	37
GERMANY	DRESDEN	12	7	21	0	9	0.1	74	22
GERMANY	STUTTGART	13	7	21	1	10	0.4	163	122
GERMANY	NURNBERG	12	7	20	1	10	0.7	166	121
AUSTRIA	VIENNA	14	8	20	3	11	1.1	79	29
AUSTRIA	INNSBRUCK	14	6	20	-1	10	0.6	102	50
CZECHRE	PRAGUE	11	6	20	0	9	0.3	70	40
POLAND	WARSAW	11	5	20	-2	8	-0.5	53	16
POLAND	LODZ	10	5	19	0	8	-0.3	82	43
POLAND	KATOWICE	12	5	22	0	9	0.6	93	39
POLAND	PRZEMYSL	12	5	19	1	8	-0.5	76	34
HUNGARY	BUDAPEST	15	8	21	2	12	0.5	77	43
YUGOSLA	BELGRADE	19	11	28	4	15	2.2	93	51
ROMANIA	BUCHAREST	18	6	25	-1	12	0.4	74	44
BULGARIA	SOFIA	17	8	26	0	12	1.7	104	66
ITALY	MILAN	20	12	24	6	16	3.0	96	-8
ITALY	VERONA	17	9	23	2	13	0.1	84	7
ITALY	VENICE	18	10	23	4	14	0.5	155	85
ITALY	GENOA	20	15	23	12	17	-0.4	121	-51
ITALY	ROME	21	13	25	8	17	0.2	159	67
ITALY	NAPLES	22	14	25	8	18	1.5	74	-57
GREECE	THESSALONIKA	22	13	27	4	17	1.2	19	-20
GREECE	LARISSA	23	11	31	2	17	1.2	19	-28
GREECE	ATHENS	25	17	28	12	21	1.5	32	-27
TURKEY	ISTANBUL	21	15	29	9	18	2.6	106	42
TURKEY	ANKARA	22	4	31	-2	13	1.1	15	-3
CYPRUS	LARNACA	29	17	34	14	23	1.4	1	-25
ESTONIA	TALLINN	10	3	13	-2	6	0.1	92	27
LITHUANI	KAUNAS	10	4	15	-1	7	0.0	56	8
BELARUS	MINSK	9	3	18	-2	6	-0.1	73	25
RUSSIA	KAZAN	7	2	14	-4	5	1.2	49	4
RUSSIA	MOSCOW	9	3	15	-4	6	0.9	68	13
RUSSIA	YEKATERINBURG	6	1	15	-5	4	1.9	73	32
RUSSIA	OMSK	7	1	20	-5	4	2.6	39	8
RUSSIA	NOVOSIBIRSK	5	0	17	-14	3	1.7	68	37
RUSSIA	BARNAUL	9	2	22	-9	5	2.6	121	71
RUSSIA	KHABAROVSK	12	2	24	-2	7	2.7	53	7
RUSSIA	VLADIVOSTOK	15	9	22	3	12	3.8	90	36
RUSSIA	SARATOV	11	5	23	-1	8	3.5	44	12
RUSSIA	VOLGOGRAD	13	5	24	-5	9	1.5	13	-17
RUSSIA	ASTRAKHAN	17	6	24	-3	11	1.9	0	-15
RUSSIA	KRASNODAR	20	7	33	-1	14	2.4	13	-22
RUSSIA	ORENBURG	13	3	35	-8	8	3.2	13	-28
KAZAKHS	TSELINOGRAD	10	1	22	-9	5	2.4	6	-24
KAZAKHS	KARAGANDA	11	0	24	-10	6	2.6	8	-27
GEORGIA	TBILISI	22	11	31	5	16	2.6	14	-26

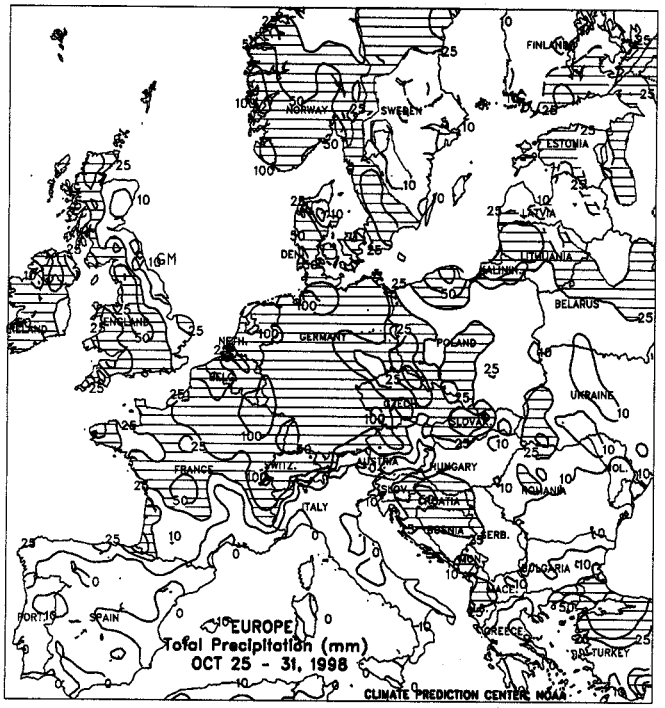
Based on Preliminary Reports

October 1998

COUNTRY CITY		TEMPERATURE (C)						PRECIPITATION (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
UZBEKIST	TASHKENT	***	***	32	1	***	***	***	***
TURKMENI	ASHKHABAD	***	***	37	3	***	***	***	***
SYRIA	DAMASCUS	30	9	34	4	20	1.0	0	-12
ISRAEL	JERUSALEM	26	15	34	10	21	1.3	4	-26
PAKISTAN	KARACHI	35	26	42	21	30	2.5	13	13
INDIA	AMRITSAR	32	19	35	13	25	1.2	9	-6
INDIA	NEW DELHI	31	21	34	15	26	-0.3	55	39
INDIA	AHMEDABAD	34	23	36	17	28	-0.4	30	14
INDIA	INDORE	33	21	35	15	27	1.9	26	-15
INDIA	CALCUTTA	33	25	36	21	29	1.2	206	74
INDIA	VERAVAL	33	25	37	21	29	1.2	98	84
INDIA	BOMBAY	33	24	36	20	28	0.7	372	255
INDIA	POONA	30	20	32	11	25	-0.1	103	37
INDIA	BEGAMPET	30	21	32	17	26	0.1	239	146
INDIA	VISHAKHAPATNAM	31	26	34	21	28	***	481	***
INDIA	MADRAS	32	25	35	22	28	0.1	68	-215
INDIA	MANGALORE	30	23	33	20	27	-0.1	346	140
HONGKO	KINGS PEAK	28	24	32	21	26	***	134	***
N KOREA	PYONGYANG	***	***	24	4	***	***	***	***
S KOREA	SEOUL	22	13	27	5	18	4.2	33	-16
JAPAN	SAPPORO	17	10	24	6	13	2.7	83	-33
JAPAN	NAGOYA	24	17	29	11	20	3.2	285	169
JAPAN	TOKYO	23	17	32	12	20	2.7	150	-14
JAPAN	YOKOHAMA	23	17	31	12	20	2.9	181	-6
JAPAN	KYOTO	24	17	31	12	21	3.5	483	366
JAPAN	OSAKA	24	18	32	14	21	3.0	228	118
THAILAND	PHETCHABUN	33	24	35	20	28	1.5	41	-54
THAILAND	BANGKOK	33	26	36	25	30	1.5	202	-36
MALAYSIA	KUALA LUMPUR	33	25	35	23	29	2.5	131	-141
VIETNAM	HANOI	31	23	34	21	27	2.2	107	7
CHINA	HARBIN	14	5	25	-3	9	4.0	43	20
CHINA	HAMI	20	3	29	-3	11	1.1	1	-1
CHINA	LANCHOW	18	6	27	2	12	2.3	22	-3
CHINA	BEIJING	20	11	29	4	15	2.4	62	43
CHINA	TIENTSIN	21	11	30	5	16	1.6	33	12
CHINA	LHASA	19	5	23	0	12	3.3	15	6
CHINA	KUNMING	22	13	27	8	17	2.3	31	-55
CHINA	CHENGCHOW	23	13	34	5	18	3.2	7	-41
CHINA	YEHCHANG	25	16	32	12	20	2.3	60	-27
CHINA	HANKOW	25	16	32	11	21	3.2	49	-40
CHINA	CHUNGKING	24	18	32	15	21	***	100	***
CHINA	CHIHKIANG	25	15	32	9	20	2.2	113	8
CHINA	WU HU	24	15	31	10	19	***	29	***
CHINA	SHANGHAI	23	19	28	14	21	***	44	***
CHINA	NANCHANG	25	18	31	14	22	2.2	133	75
CHINA	TAIPEI	27	23	33	19	25	1.8	1001	880
CHINA	CANTON	30	22	34	17	26	1.7	48	-31
CHINA	NANNING	31	22	34	17	26	2.6	15	-56
CANARY I	LAS PALMAS	26	21	32	19	24	1.3	0	-12
MOROCC	CASABLANCA	23	15	29	11	19	-0.3	8	-23
MOROCC	MARRAKECH	30	15	33	12	22	1.2	0	-24
ALGERIA	ALGER	24	11	30	7	18	-1.0	51	-55
ALGERIA	BATNA	21	8	29	1	14	-0.4	14	-15
TUNISIA	TUNIS	25	16	31	12	21	0.3	80	14
NIGER	NIAMEY	38	27	40	23	32	1.9	2	-10
MALI	TIMBUKTU	36	26	42	20	31	0.5	2	0
MALI	BAMAKO	34	22	37	20	28	0.4	27	-40
MAURITAN	NOUAKCHOTT	37	24	43	20	31	2.0	0	-8
SENEGAL	DAKAR	32	26	36	23	29	1.6	1	-35
CHAGOS	DIEGO GARCIA	***	***	31	24	***	***	23	-270
LIBYA	TRIPOLI	29	18	45	12	24	1.2	13	-33
LIBYA	BENGHAZI	28	19	37	15	24	1.1	39	21
EGYPT	CAIRO	31	19	38	15	25	1.3	0	0
EGYPT	ASWAN	***	***	42	19	***	***	***	***
ETHIOPIA	ADDIS ABABA	21	10	23	5	15	-0.4	134	87
KENYA	NAIROBI	27	13	29	9	20	0.2	0	-43
TANZANIA	DAR ES SALAAM	30	19	32	11	25	-0.5	58	-9
GABON	LIBREVILLE	29	24	30	23	26	0.5	309	-98
TOGO	LOME	31	24	33	23	27	1.1	40	-59
BURKINA	OUAGADOUGOU	36	25	38	18	30	1.1	53	21
COTE D'I	ABIDJAN	31	25	33	21	28	1.9	231	97
MOZAMBI	MAPUTO	27	19	36	16	23	0.5	101	38
ZAMBIA	LUSAKA	***	***	35	15	***	***	***	***
ZIMBABW	HARARE	29	16	33	12	23	2.2	26	-10
S AFRICA	PRETORIA	27	15	33	11	21	1.0	76	3

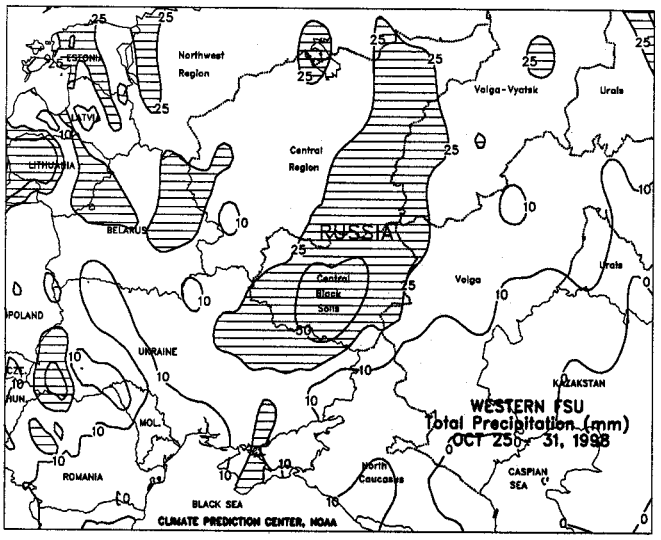
COUNTRY CITY		TEMPERATURE (C)						PRECIPITATION (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
S AFRICA	JOHANNESBURG	23	10	28	-6	16	0.0	78	3
S AFRICA	BETHAL	24	12	30	5	18	0.3	71	-5
S AFRICA	DURBAN	24	17	31	12	21	0.4	63	-36
S AFRICA	CAPE TOWN	22	11	31	4	16	0.8	14	-19
CANADA	TORONTO	16	6	23	1	11	1.8	24	-39
CANADA	MONTREAL	14	5	25	0	10	1.5	64	-12
CANADA	WINNIPEG	12	2	22	-6	7	1.0	63	34
CANADA	REGINA	12	0	24	-6	6	0.8	108	87
CANADA	SASKATOON	10	0	24	-7	5	0.0	33	16
CANADA	LETHBRIDGE	16	0	25	-8	8	0.4	24	8
CANADA	CALGARY	14	0	23	-6	7	1.3	11	-4
CANADA	EDMONTON	12	2	23	-3	7	0.8	21	3
CANADA	VANCOUVER	14	8	21	3	11	0.8	108	-7
MEXICO	GUADALAJARA	22	17	25	14	20	0.5	56	-14
MEXICO	MEXICO CITY	20	13	25	10	16	1.4	64	30
MEXICO	ACAPULCO	33	25	35	22	29	0.5	40	-100
BERMUDA	ST. GEORGES	27	21	30	18	24	-0.7	126	-35
BAHAMAS	NASSAU	30	24	34	18	27	1.1	146	-27
JAMAICA	KINGSTON	32	26	35	23	29	1.5	179	16
P RICO	SAN JUAN	31	25	34	23	28	0.2	174	30
GUADELO	RAIZET	32	24	33	22	28	1.5	306	161
MARTINIQ	LAMENTIN	31	24	33	23	28	1.5	362	119
BARBADO	BRIDGETOWN	30	25	32	23	28	0.6	186	19
TRINIDAD	PORT OF SPAIN	32	24	34	23	28	1.5	307	115
COLOMBI	BOGOTA	19	8	21	-24	14	0.8	87	-29
VENEZUE	CARACAS	31	24	32	23	27	0.0	13	-35
F GUIANA	CAYENNE	32	23	34	21	28	1.1	83	5
BRAZIL	RECIFE	29	23	31	19	26	0.4	46	-10
BRAZIL	BELO HORIZONTE	27	19	32	17	23	0.3	137	15
BRAZIL	FRANCA	26	18	31	14	22	2.2	229	68
BRAZIL	RIO DE JANEIRO	26	23	32	19	24	1.3	106	19
BRAZIL	LONDRINA	23	19	31	15	21	-0.8	130	-36
BRAZIL	SANTA MARIA	25	16	35	10	20	1.5	125	-21
BRAZIL	PORTO ALEGRE	24	15	34	9	20	0.5	56	-63
PERU	LIMA	***	***	23	15	***	***	***	***
BOLIVIA	LA PAZ	15	2	19	-2	9	-0.9	70	33
CHILE	SANTIAGO	26	8	31	4	17	2.5	0	-12
ARGENTIN	IGUAZU	28	17	33	14	22	***	303	***
ARGENTIN	FORMOSA	28	18	36	12	23	0.5	79	-41
ARGENTIN	CERES	28	13	37	5	21	0.8	30	-40
ARGENTIN	CORDOBA	26	13	38	6	20	1.4	37	-35
ARGENTIN	RIO CUARTO	25	13	32	5	19	2.5	48	-29
ARGENTIN	ROSARIO	26	13	35	3	19	2.0	64	-27
ARGENTIN	BUENOS AIRES	23	11	29	4	17	1.3	52	-56
ARGENTIN	SANTA ROSA	25	10	31	4	18	2.0	25	-45
ARGENTIN	TRES ARROYOS	23	9	31	0	16	2.8	9	-75
NEW CAL	NOUMEA	29	22	32	19	25	2.9	4	-50
FIJI	NAUSORI	28	21	31	17	25	0.7	56	-155
SAMOA	PAGO PAGO	32	27	33	26	30	2.8	139	-134
TAHITI	PAPEETE	30	23	31	22	27	1.1	97	7
AUSTRALI	DARWIN	33	26	36	24	30	0.5	122	44
AUSTRALI	MOREE	***	***	18	18	***	***	***	***
AUSTRALI	BRISBANE	25	17	31	11	21	0.1	31	-74
AUSTRALI	PERTH	22	11	30	5	17	0.3	23	-24
AUSTRALI	CEDUNA	22	11	39	3	17	-0.5	8	-14
AUSTRALI	ADELAIDE	19	11	32	5	15	-0.5	40	4
AUSTRALI	MELBOURNE	17	8	30	3	13	-1.1	69	9
AUSTRALI	WAGGA	19	8	29	-1	13	-1.0	39	-18
AUSTRALI	CANBERRA	17	7	26	-2	12	-0.9	61	-1
INDONESI	DJAKARTA	***	***	34	22	***	***	177	***
PHILIPPI	MANILA	31	27	34	24	29	1.0	364	152

Based on Preliminary Reports



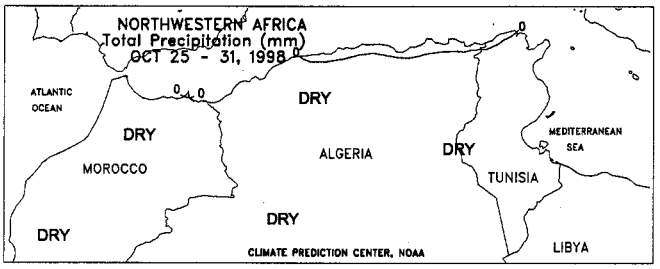
EUROPE

Moderate to locally heavy rains (25-75 mm or more) fell from England and northern France eastward through the Benelux countries into Germany, halting sugar beet and corn harvesting and winter wheat planting. Localized flooding was possible in some areas. Farther south, mostly dry weather prevailed from Portugal and Spain eastward through Italy into Greece, favoring corn, sunflower, and cotton harvesting. In eastern Europe, light to moderate rain (10-40 mm, with local amounts in excess of 40 mm) fell from Poland southward through the Czech Republic and Slovakia into Slovenia and Serbia, maintaining abundant moisture conditions for winter grain establishment but slowing late-season harvest activities. Near- to above-normal temperatures in these areas continued to promote further vegetative growth of winter grains. Mostly dry weather in southern Romania and northern Bulgaria continued to improve conditions for summer crop harvesting and winter wheat planting, seriously delayed by earlier wetness. Weekly temperatures across most of Europe continued to range from 1 to 3 degrees C above normal, favoring rapid emergence and development of winter crops.



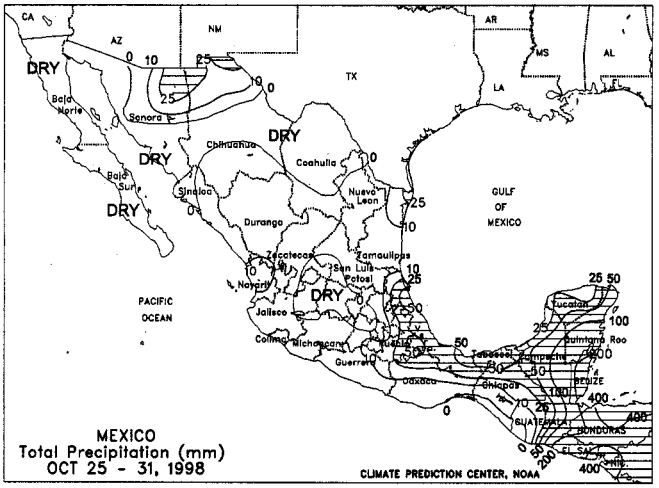
FSU-WESTERN

Light showers continued to ease prolonged dryness in eastern Ukraine and southern Russia (southern Black Soils Region, lower Volga Valley, and the North Caucasus), improving moisture conditions for winter wheat emergence and establishment. Greatest amounts of precipitation (10-45 mm) fell in eastern Ukraine and the southern Black Soils Region, with lesser amounts of moisture (4-10 mm) falling in the North Caucasus and lower Volga Valley. Although the rain in these areas improved emergence prospects for winter wheat, unseasonably mild weather is needed to ensure that crops become sufficiently established before entering dormancy. Typically, winter wheat in these areas enters dormancy by mid-November. Farther north, light to moderate precipitation (10-50 mm) in northern Russia, the Baltics and Belarus was accompanied by unseasonably mild weather, promoting vegetative growth in winter grains later than usual. Typically, winter grains in these areas enter dormancy from mid to late October. Weekly temperatures averaged 2 to 5 degrees C above normal in Russia, Ukraine, Belarus, and the Baltics.



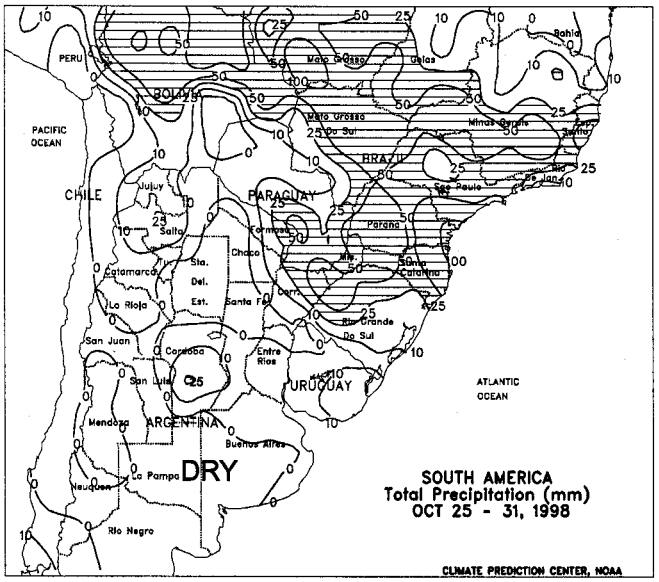
NORTHWESTERN AFRICA

Preparations for winter grain planting continued over most of the region. Mostly dry weather in Morocco, Algeria, and Tunisia favored pre-planting fieldwork. Weekly temperatures averaged 1 to 3 degrees C above normal in Morocco and western Algeria and near normal in eastern Algeria and Tunisia. Growers throughout most of the region are likely awaiting the onset of consistent autumn rains before widespread planting can begin. The bulk of the winter grain crop is typically planted from mid-November to mid-December.



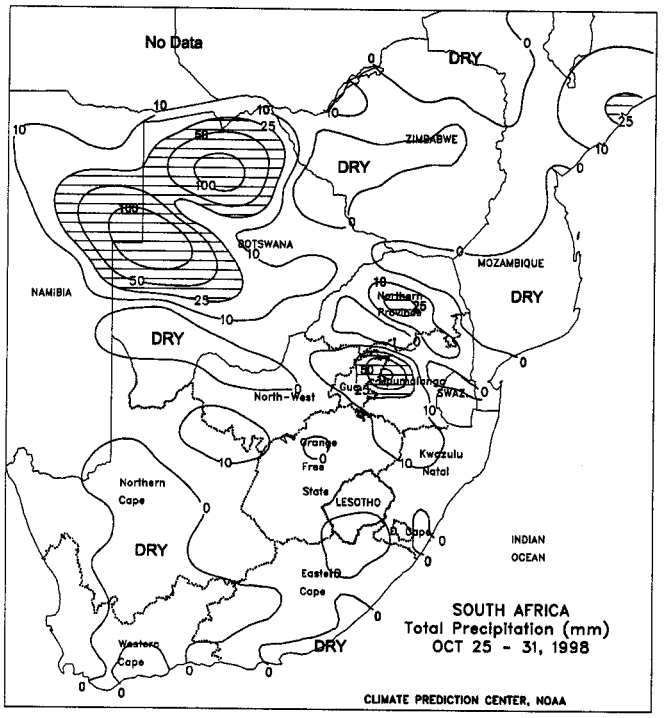
MEXICO

Warm, dry weather favored corn harvesting across the Southern Plateau Corn Belt. Mostly dry weather also prevailed across north-central and northeastern Mexico. Moderate showers (20-60 mm) fell across Veracruz and Tabasco states. Remnants of Hurricane Mitch brought torrential rain (100-300 mm), strong winds, flooding, and crop damage to extreme southeastern Mexico (Quintana Roo), Belize, northern Guatemala, Honduras, and Nicaragua. The heaviest rain (500-660 mm) fell in northern Honduras.



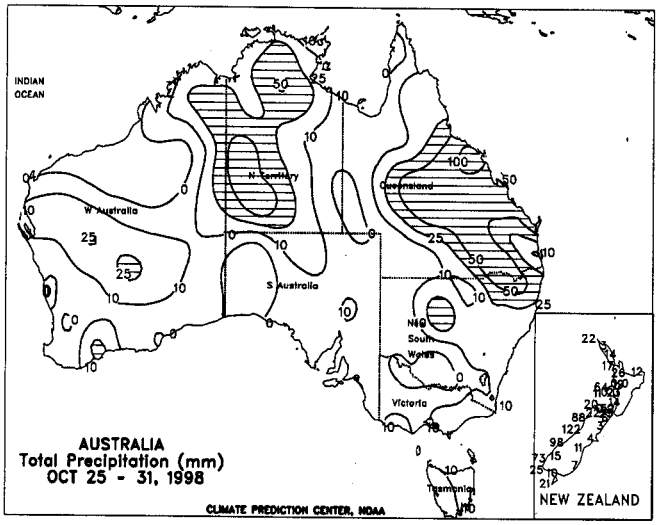
SOUTH AMERICA

In southern Brazil, moderate showers (20-50 mm) caused further delays in winter wheat harvesting across eastern Rio Grande do Sul and southern Parana. Elsewhere, showers (30-80 mm) maintained abundant moisture supplies for soybean planting. According to press reports as of October 29, winter wheat harvesting was 95 percent complete in Parana and 46 percent complete in Rio Grande do Sul. In central Argentina, dry weather returned to the region, after last week's beneficial rainfall. Only southern Cordoba received significant rain (12-26 mm). According to reports as of October 23, sunseed planting was 34 percent sown, versus 27 percent last year. Corn planting was 43 percent planted versus 50 percent last year.



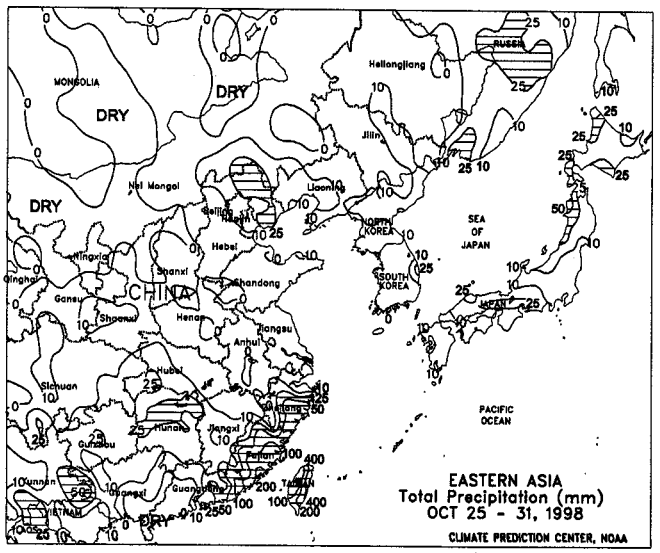
SOUTH AFRICA

Mostly light, scattered showers (10 mm or less, most areas) swept across the corn belt, allowing fieldwork to progress with only minor disruptions. A pocket of heavier rainfall (25-50 mm or more) in northeastern corn areas (Gauteng and Mpumalanga) maintained abundant moisture reserves for germination and establishment in areas that have been unseasonably wet for much of the early season. Elsewhere, dry weather continued over sugarcane areas of Kwazulu-Natal, as well as other agricultural areas in Western and Eastern Cape. Winter grain harvests were underway in most major areas.



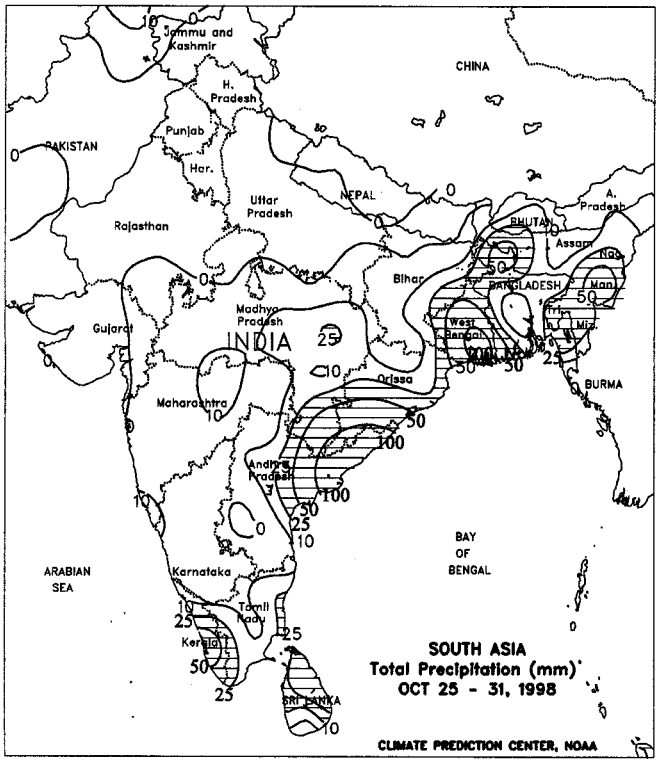
AUSTRALIA

Heavy rain (25-50 mm or greater) in southern and eastern Queensland worsened prospects for unharvested winter grains and sugarcane. The rain also brought spring fieldwork to a halt in important sorghum and cotton areas. Farther south, scattered showers (10-25 mm or more) persisted in agricultural areas of northern and central New South Wales, keeping those crops unfavorably wet as well. The southeast (South Australia to southern New South Wales) was mostly dry. Patchy frost and subfreezing temperatures (0 to -2 degrees C) were observed in southeastern New South Wales and northern Victoria on October 28. Temperatures did not fall low enough to cause significant damage to winter grains. Generally dry, mild weather in Western Australia favored winter grain development. In New Zealand, rainfall tapered off from recent weeks in the main farming areas, with most areas reporting less than 25 mm.



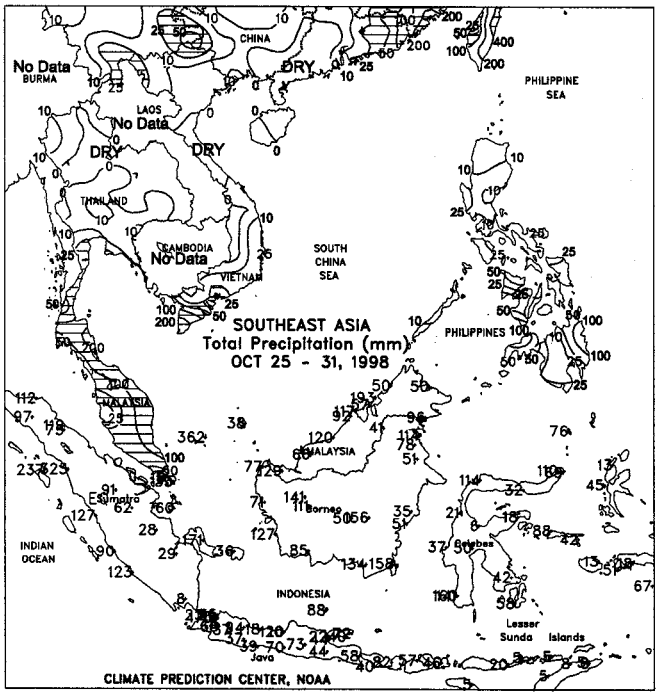
EASTERN ASIA

Dry, warm weather started to stress developing winter wheat across the North China Plain. Rainfall during the past 4 weeks was less than 50 percent of normal across the region. Temperatures averaged 1 to 2 degrees C above normal. Light to moderate rain (5-35 mm) slowed maturing late double-crop rice along the Yangtze Valley. In Manchuria and the Korean Peninsula, light rain (1-10 mm) caused little or no delays in summer grain and oilseed harvesting. Drier weather (10-30 mm) eased wetness and favored rice harvesting in Japan.



SOUTH ASIA

Warm, dry weather dominated the region. Conditions in nearly all major crop areas favored dry down and harvesting of summer grains, oilseeds, and cotton. The exception was found in India's southern tip and eastern India (Andhra Pradesh and Orissa), where moderate to locally heavy showers (25-100 mm or more) slowed the winter rice harvest. Winter grain and oilseed planting made good progress across northern crop areas.



SOUTHEAST ASIA

Drier weather (10-40 mm) prevailed across the Philippines, easing wetness and allowing typhoon cleanup efforts to commence. Drier weather (less than 10 mm) also aided rice harvesting across Vietnam and Thailand. Heavy rain (100-140 mm) fell across the oil palm areas of peninsular Malaysia. Unseasonably heavy showers (40-100 mm) continued to disrupt planting activities in Java.

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Crop Progress and Condition

Week Ending November 1, 1998

Peanuts Percent Harvested

	Nov 1 1998	Prev Week	Prev Year	5-Yr Avg
AL	85	78	96	93
FL	94	89	99	38
GA	90	79	97	95
NC	85	65	73	79
OK	70	59	77	68
SC	87	73	88	84
TX	62	52	60	51
VA	98	90	97	97
ALL	82	72	85	79

These 8 States harvested 99% of last year's peanut acreage.

Winter Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	2	1	30	59	8
CA	0	0	0	50	50
CO	2	3	12	47	36
GA	0	7	53	37	3
ID	0	0	8	72	20
IL	0	3	19	69	9
IN	1	2	33	53	11
KS	1	3	23	66	7
MI	0	7	24	59	10
MO	0	3	39	55	3
MT	1	9	50	39	1
NE	0	2	24	67	7
NC	0	10	25	50	15
OH	0	1	19	59	21
OK	0	6	20	69	5
OR	0	3	23	74	0
SD	0	1	12	68	19
TX	8	23	40	28	1
WA	7	26	32	20	15
ALL	2	8	25	55	10
Prev Wk	2	8	27	53	10
Prev Yr	0	3	22	64	11

(Continued from page 8)

VP - Very Poor
P - Poor
F - Fair
G - Good
EX - Excellent
*** - Revised**

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