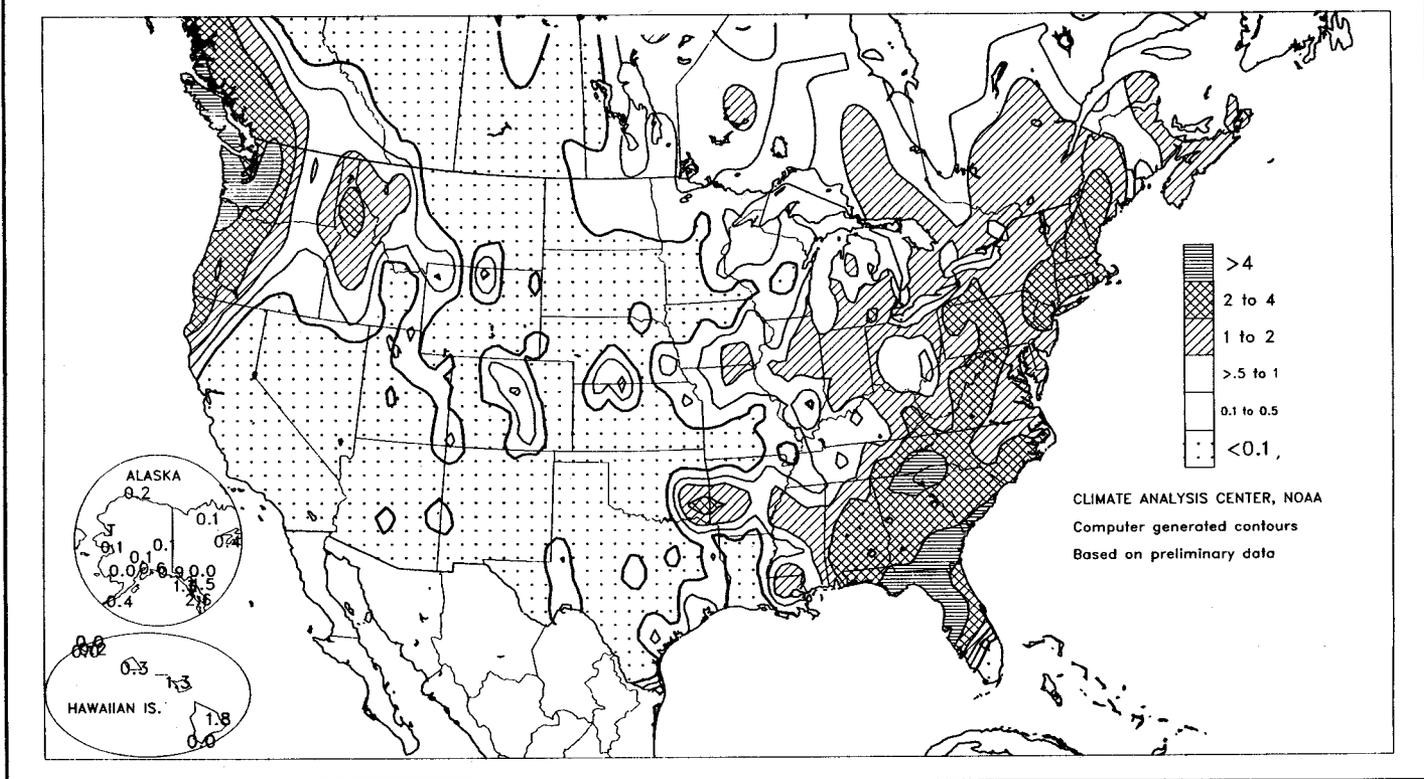


# WEEKLY WEATHER AND CROP BULLETIN

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

**Total Precipitation (Inches)**  
**Oct 26 - Nov 1, 1997**



CLIMATE ANALYSIS CENTER, NOAA  
Computer generated contours  
Based on preliminary data

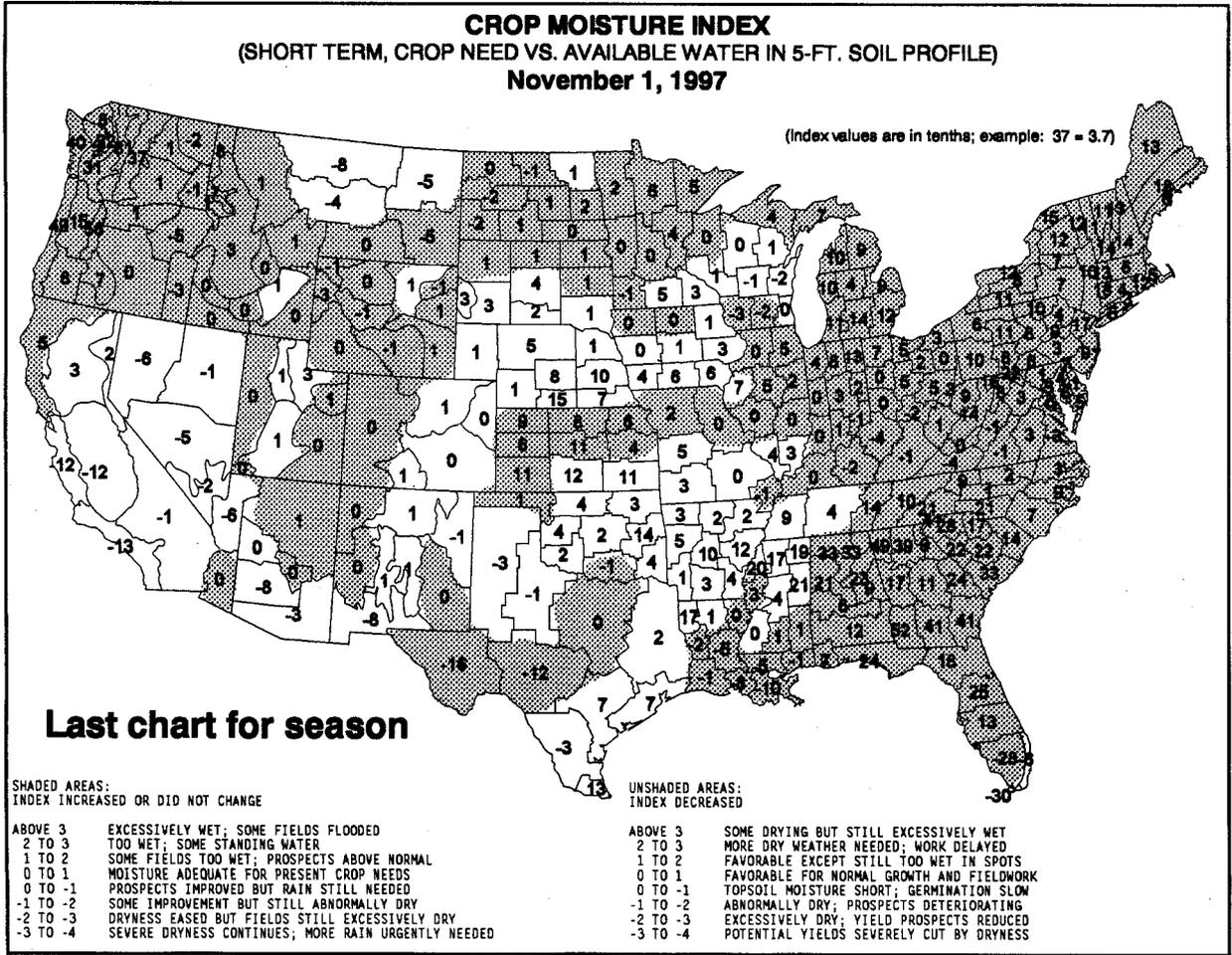
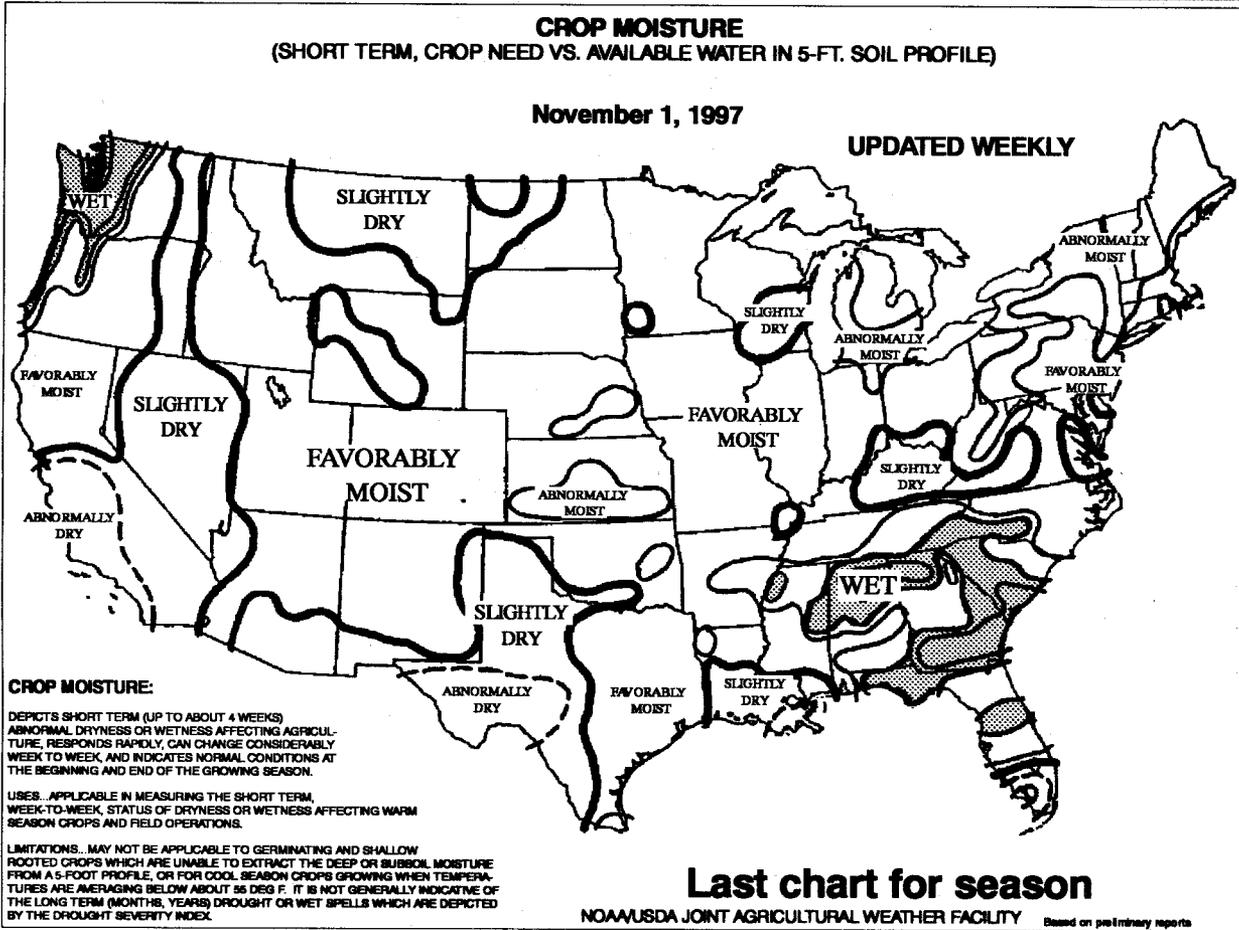
## HIGHLIGHTS

**October 26 - November 1, 1997**

**T**he low pressure system responsible for the central Plains blizzard on October 24-25 tracked northeastward early in the week, entering the Canadian Maritimes on Tuesday and ushering in a period of relative tranquility for most of the country. Cold weather during the first half of the week gave way to a milder pattern later in the week. Heavy rain and strong winds visited the Pacific Northwest during midweek. A developing low brought heavy rain to the Gulf Coast region on Friday and the east coast on Saturday. One- to 4-inch weekly precipitation totals were common from Maine to Florida, with 4- to 6-inch amounts soaking central and northern Florida, extreme northern Georgia, the western half of Washington, and northwest Oregon.

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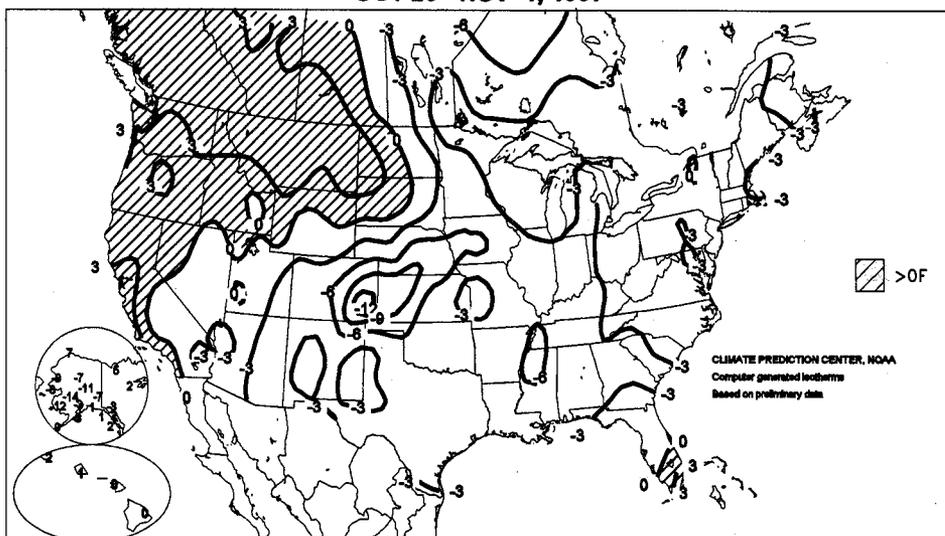


(Continued from front cover)

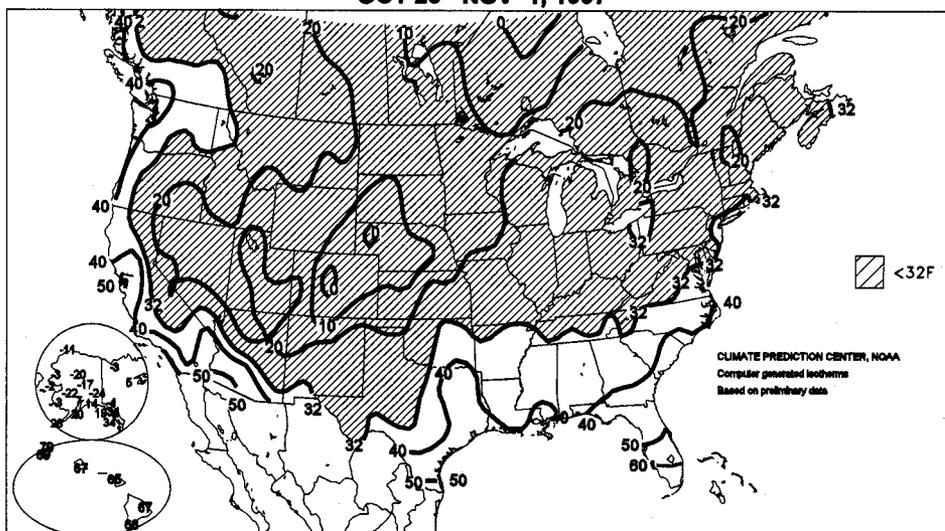
After burying the central Plains with heavy snow, the storm moved from **Illinois** to the **Saint Lawrence Valley** on Sunday and Monday, depositing several inches of snow on **Wisconsin**, **Michigan**, and **northern Vermont**, as well as 4 to 8 inches on **northern Maine**. The 3-inch total recorded Monday morning at **Flint, MI**, made this their second snowiest October day since at least 1940. The 8.3 inches at **Caribou, ME**, on Monday was their second snowiest October storm of record. Heavy rain fell over the **mid-Atlantic** region and the **Southeast** on Sunday ahead of the low, and across the **Northeast** on Monday. A Pacific storm brought wind and rain to the **Pacific Northwest** on Wednesday and Thursday, but the weather was mostly tranquil over the rest of the country from Tuesday to Thursday. A cold high pressure system edged eastward from **Colorado** on Sunday to the east coast on Thursday, bringing low temperatures to central and eastern sections of the country. Thermometers dipped to winter-like readings over deep snow across the **central Plains** on Sunday and Monday. In **Colorado**, **Denver's** 3°F on Sunday shattered their daily record by 7 degrees, a record dating all the way back to 1878.

At week's end, a coastal low formed along a front draped across **northern Florida** and the **Gulf coast**. This storm, centered over **North Carolina** by Saturday

Departure of Average Temperature from Normal (F)  
OCT 26 - NOV 1, 1997



Extreme Minimum Temperature (F)  
OCT 26 - NOV 1, 1997



morning, delivered another dose of rain on Friday and Saturday to the **Southeast** and **Mid-Atlantic States**. High pressure over eastern Oregon on Saturday caused downslope winds in **southern California**, resulting in at least 13 record high temperatures, including 102°F at **Burbank** and 99°F in **Los Angeles**. Temperatures rising into the 60's on Friday melted most of the remaining snow across the **central Plains**. By Saturday morning, November 1, snow cover lingered only at scattered locations in **northwest Kansas** and the **Colorado plains**.

# National Weather Data for Selected Cities

Weather Data for the Week Ending November 1, 1997

Data Provided by Climate Prediction Center (301-763-8000 EXT. 7511)

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP., °F		PRECIP.		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	64	44	74	33	54	-4	4.15	3.46	2.76	11.51	168	48.11	109	96	57	0	0	4	2	
HUNTSVILLE	63	41	70	33	52	-5	3.73	2.92	3.39	16.43	221	54.92	118	93	52	0	0	4	1	
MOBILE	69	49	81	38	59	-5	1.78	1.12	0.68	8.81	98	68.09	125	96	58	0	0	4	1	
AK MONTGOMERY	67	47	77	37	57	-5	2.98	2.38	1.28	7.43	112	38.55	89	94	61	0	0	4	2	
ANCHORAGE	32	20	47	7	26	-3	0.59	0.23	0.36	4.28	90	16.63	121	86	59	0	7	3	0	
BARROW	20	7	25	-11	14	7	0.22	0.14	0.10	1.39	132	5.41	137	91	75	0	7	5	0	
FAIRBANKS	14	-5	25	-17	4	-11	0.12	-0.07	0.06	1.43	78	5.24	57	86	73	0	7	3	0	
JUNEAU	43	37	46	34	40	2	-	-	-	-	-	-	-	97	86	0	0	-	-	
KODIAK	39	30	43	20	35	-3	0.00	-1.52	0.00	9.21	64	49.11	89	79	81	0	4	0	0	
NOME	27	6	32	-2	17	-8	0.05	-0.20	0.05	2.84	74	13.70	105	84	63	0	7	1	0	
AZ FLAGSTAFF	69	24	89	18	42	-1	0.00	-0.37	0.00	4.84	131	13.85	75	84	20	0	7	0	0	
PHOENIX	80	54	87	50	67	-2	0.19	0.05	0.19	0.71	46	3.97	68	47	16	0	0	1	0	
PRESCOTT	68	33	75	25	50	0	0.00	-0.26	0.00	4.05	128	13.67	83	64	18	0	3	0	0	
TUCSON	77	46	85	41	62	-4	0.00	-0.19	0.00	1.83	86	7.20	70	51	18	0	0	0	0	
YUMA	83	56	92	53	70	-1	0.00	-0.06	0.00	4.54	811	5.11	208	47	21	1	0	0	0	
AR FORT SMITH	64	43	76	34	54	-3	0.29	-0.60	0.29	7.03	100	33.37	98	91	55	0	0	1	0	
LITTLE ROCK	66	44	74	34	55	-3	1.15	0.20	1.10	8.74	111	51.79	131	93	47	0	0	1	1	
CA BAKERSFIELD	74	48	77	40	61	-2	0.00	-0.10	0.00	0.30	62	3.29	75	55	30	0	0	0	0	
EUREKA	64	49	70	39	56	3	1.03	0.07	0.48	4.77	128	24.91	99	91	73	0	0	5	0	
FRESNO	74	46	78	42	60	-1	0.00	-0.19	0.00	0.22	27	4.21	54	71	31	0	0	0	0	
LOS ANGELES	78	55	96	52	68	2	0.00	-0.19	0.00	0.27	37	5.90	68	77	38	1	0	0	0	
REDDING	71	48	82	38	60	-1	0.09	-0.69	0.09	5.02	153	22.91	101	90	43	0	0	1	0	
SACRAM/MCCLELL	78	51	84	45	65	-	0.00	-	0.00	0.39	-	9.90	-	81	33	0	0	0	0	
SAN DIEGO	77	57	84	54	67	1	0.00	-0.17	0.00	0.87	136	4.20	61	69	42	0	0	0	0	
SAN FRANCISCO	71	54	77	49	63	4	0.00	-0.44	0.00	0.75	50	10.12	73	92	58	0	0	0	0	
CO ALAMOSA	53	17	66	7	35	-3	0.01	-0.12	0.01	2.03	126	6.86	103	88	26	0	7	1	0	
CO SPRINGS	51	28	63	18	40	-5	0.81	0.75	0.91	3.05	139	23.09	151	68	32	0	5	1	1	
DENVER	49	29	58	3	39	-7	0.81	0.60	0.81	3.81	169	20.63	148	72	42	0	5	1	1	
GRAND JUNCTION	57	29	64	24	43	-8	0.00	-0.21	0.00	4.06	222	12.48	170	82	35	0	5	0	0	
PUEBLO	53	20	70	4	37	-11	0.24	0.13	0.24	2.08	141	12.70	123	90	45	0	6	1	0	
CT BRIDGEPORT	57	40	63	32	48	-3	2.27	1.51	0.90	3.56	57	30.58	89	95	58	0	1	4	2	
HARTFORD	56	36	64	28	48	-2	2.19	1.35	1.42	4.24	57	32.40	89	93	59	0	4	4	1	
DC WASHINGTON	80	43	88	36	52	-3	1.11	0.42	0.75	5.82	87	27.80	85	88	53	0	0	4	1	
DE WILMINGTON	59	40	64	30	50	-2	1.73	1.07	0.91	5.20	81	-	-	92	49	0	1	3	2	
FL DAYTONA BEACH	78	61	88	47	69	-1	3.50	2.74	2.37	10.40	98	44.24	104	95	69	0	0	4	2	
JACKSONVILLE	73	56	87	42	65	-2	3.92	3.48	2.51	8.91	89	44.96	97	94	68	0	0	3	3	
KEY WEST	83	76	88	71	80	1	0.00	-0.83	0.00	7.67	74	33.20	95	85	72	0	0	0	0	
MIAMI	85	73	90	67	79	3	0.00	-0.99	0.00	14.90	111	62.29	121	88	64	1	0	0	0	
ORLANDO	79	61	90	49	70	-2	3.49	3.08	1.74	6.82	80	48.76	111	98	67	1	0	3	2	
TAMPA	77	63	85	50	70	-2	2.96	2.66	1.51	17.05	212	48.74	122	94	70	0	0	2	2	
VALPARAISO/EGLIN	70	53	81	39	61	-3	3.18	2.66	2.21	6.91	89	55.08	101	90	80	0	0	3	2	
WEST PALM BEACH	84	70	90	61	77	1	0.02	-1.27	0.02	7.53	49	53.07	99	92	61	1	0	1	0	
GA ATHENS	64	46	70	34	55	-4	4.48	3.71	3.79	14.72	218	45.47	108	94	63	0	0	3	2	
ATLANTA	63	46	71	34	54	-4	2.83	2.09	2.08	10.48	159	43.83	103	91	62	0	0	3	2	
AUGUSTA	67	47	71	36	57	-3	1.93	1.32	1.02	11.47	193	40.54	104	100	65	0	0	4	1	
COLUMBUS	67	49	73	38	58	-4	1.55	1.00	0.90	5.74	104	40.31	95	91	63	0	0	3	1	
MACON	67	47	72	34	57	-4	2.76	2.26	1.26	8.52	169	32.09	85	96	63	0	0	5	2	
SAVANNAH	69	51	80	41	60	-4	4.41	3.95	2.19	11.26	163	47.13	107	98	65	0	0	4	3	
HI HILO	82	68	85	67	75	0	1.85	-0.78	0.83	20.03	108	113.58	110	91	65	0	0	6	1	
HONOLULU	86	72	88	67	79	1	0.30	-0.31	0.28	3.83	116	19.07	124	79	51	0	0	4	0	
KAHULUI	85	70	89	65	78	0	-	-	-	-	-	-	-	84	57	0	0	-	-	
LIHUE	83	74	84	69	78	2	-	-	-	-	-	-	-	80	61	0	0	-	-	
ID BOISE	58	39	64	33	49	2	0.46	0.24	0.37	1.30	82	9.80	106	71	34	0	0	2	0	
LEWISTON	59	42	62	37	51	3	1.08	0.86	0.82	2.72	154	13.80	136	84	47	0	0	4	1	
POCATELLO	52	32	58	18	42	-1	0.02	-0.20	0.02	3.01	168	12.20	123	85	44	0	4	1	0	
IL CHICAGO/O'HARE	54	36	64	25	45	-2	1.63	1.09	1.50	4.57	72	28.89	95	90	58	0	3	3	1	
MOLINE	54	36	68	24	45	-3	0.83	0.04	0.52	5.44	77	31.78	92	95	68	0	4	3	1	
PEORIA	55	37	67	27	46	-3	0.74	0.18	0.70	5.46	82	27.80	89	92	63	0	3	3	1	
ROCKFORD	52	34	67	23	43	-3	0.45	-0.16	0.45	3.28	48	25.03	79	94	63	0	4	1	0	
SPRINGFIELD	57	37	69	29	47	-3	0.70	0.14	0.70	5.32	89	23.84	79	92	62	0	3	1	1	
IN EVANSVILLE	60	38	67	26	49	-3	0.54	-0.18	0.24	3.35	56	41.38	115	94	58	0	1	3	0	
FORT WAYNE	53	36	63	25	44	-4	0.90	0.32	0.47	6.49	124	36.78	126	93	62	0	3	4	0	
INDIANAPOLIS	55	37	65	25	46	-3	0.67	0.03	0.35	3.41	61	30.13	90	98	61	0	2	3	0	
SOUTH BEND	53	36	65	26	44	-3	2.00	1.30	1.01	5.89	86	29.74	91	93	62	0	3	5	2	
IA BURLINGTON	-	-	-	-	-	-	0.95	0.39	-	4.28	60	28.82	90	-	-	-	-	-	-	
CEDAR RAPIDS	-	-	-	-	-	-	0.53	0.10	-	5.68	91	24.29	80	-	-	-	-	-	-	
DES MOINES	49	33	61	18	41	-7	0.22	-0.29	0.20	6.99	112	29.41	98	96	68	0	4	3	0	
DUBUQUE	48	32	62	19	40	-6	0.29	-0.27												

Weather Data for the Week Ending November 1, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	TEMP. °F		PRECIP.	
																		90 AND ABOVE	92 AND BELOW	01 INCH OR MORE	50 INCH OR MORE
KY WICHITA	69	38	70	29	49	-4	0.03	-0.38	0.02	6.91	120	33.10	124	90	56	0	2	2	2	0	
JACKSON	61	41	71	31	51	-2	1.81	0.82	0.94	4.97	71	43.16	106	84	46	0	1	3	2		
LEXINGTON	58	38	69	28	48	-4	1.62	0.90	1.07	5.18	88	52.84	142	87	56	0	1	3	1		
LOUISVILLE	60	40	71	31	50	-3	0.91	0.23	0.71	3.44	58	50.83	137	90	62	0	1	3	1		
PADUCAH	60	37	67	28	48	-5	0.73	-0.02	0.39	5.43	80	46.00	114	97	52	0	2	3	0		
LA BATON ROUGE	71	48	83	36	60	-5	1.02	0.23	0.84	4.82	57	56.56	108	94	56	0	0	3	1		
LAKE CHARLES	70	52	84	42	61	-5	0.20	-0.84	0.17	9.99	102	56.44	121	92	67	0	0	3	0		
NEW ORLEANS	72	55	87	45	64	-2	0.42	-0.27	0.31	2.50	29	41.33	80	86	58	0	0	5	0		
SHREVEPORT	67	47	81	38	57	-5	0.19	-0.74	0.17	9.90	142	58.65	158	91	56	0	0	3	0		
ME CARIBOU	40	29	48	22	35	-4	0.89	0.16	0.78	4.01	60	30.28	101	95	71	0	6	3	1		
PORTLAND	51	33	56	23	42	-3	0.78	-0.24	0.43	4.30	60	29.87	86	90	46	0	4	5	0		
MD BALTIMORE	60	38	66	29	49	-3	1.48	0.77	0.78	5.55	86	30.97	91	94	57	0	2	4	2		
MA BOSTON	56	41	61	33	48	-3	2.06	1.23	1.46	4.27	68	25.37	78	91	57	0	0	3	2		
WORCESTER	50	37	58	28	43	-2	3.04	2.04	1.66	5.33	63	30.19	77	84	82	0	3	4	2		
MI ALPENA	46	31	59	16	38	-4	0.76	0.31	0.46	4.60	87	28.96	109	94	94	0	5	5	0		
GRAND RAPIDS	51	36	62	29	44	-1	0.94	0.32	0.47	6.87	96	27.14	90	98	95	0	4	4	0		
HOUGHTON LAKE	46	31	58	24	38	-4	1.06	0.61	0.54	5.66	100	24.70	102	92	86	0	5	5	1		
LANSING	50	33	60	20	42	-3	1.29	0.83	0.70	5.43	95	25.38	99	92	61	0	4	3	2		
MARQUETTE	-	-	-	-	-	-	1.07	0.33	-	4.42	57	27.69	93	-	-	-	-	-	-		
MUSKEGON	52	35	61	30	43	-2	0.93	0.31	0.49	4.89	72	23.26	88	97	89	0	5	5	0		
MN DULUTH	42	29	53	20	35	-3	0.86	0.19	0.47	4.11	64	22.63	84	88	81	0	5	4	0		
INTL FALLS	41	26	49	12	33	-3	0.65	0.31	0.29	6.44	125	17.88	80	91	59	0	6	4	0		
MINNEAPOLIS	48	29	61	15	39	-4	0.42	-0.02	0.36	4.96	100	33.18	129	91	80	0	4	3	0		
ROCHESTER	48	30	63	17	39	-3	0.17	-0.27	0.15	3.68	63	28.11	104	90	59	0	4	3	0		
ST. CLOUD	46	28	58	12	36	-4	0.42	0.02	0.23	3.11	57	23.47	93	90	50	0	6	3	0		
MS JACKSON	66	45	74	37	56	-5	0.77	-0.06	0.51	7.22	104	49.65	111	93	52	0	0	3	1		
MERIDIAN	65	46	74	38	55	-5	1.27	0.51	0.72	5.98	89	47.93	104	93	69	0	0	3	1		
TUPELO	63	42	70	33	52	-6	1.07	0.21	0.80	7.50	105	58.81	131	96	53	0	0	3	1		
MO COLUMBIA	59	38	72	28	49	-3	0.41	-0.28	0.38	5.48	76	32.09	95	92	69	0	2	3	0		
KANSAS CITY	59	37	73	23	48	-3	0.01	-0.57	0.01	3.68	45	26.11	76	91	55	0	2	1	0		
SAINT LOUIS	60	41	70	32	50	-3	0.29	-0.36	0.16	4.82	82	27.12	87	89	56	0	1	3	0		
SPRINGFIELD	60	39	72	31	49	-3	0.16	-0.62	0.12	7.15	86	33.58	93	96	60	0	2	3	0		
MT BILLINGS	57	38	62	30	48	4	0.08	-0.16	0.03	1.78	69	14.07	104	72	44	0	2	2	0		
BUTTE	50	30	56	19	40	5	0.25	0.13	0.17	2.76	140	19.79	177	83	44	0	4	2	0		
GLASGOW	57	33	62	24	45	5	0.00	-0.10	0.00	1.31	80	11.46	111	77	33	0	3	1	0		
GREAT FALLS	56	37	62	28	46	4	0.00	-0.15	0.00	1.13	55	13.55	99	63	36	0	1	0	0		
KALISPELL	50	35	52	27	43	6	0.25	0.04	0.19	2.54	117	16.58	123	83	58	0	2	2	0		
MILES CITY	58	35	65	23	47	5	0.07	-0.09	0.03	1.33	60	10.31	80	79	34	0	3	3	0		
MISSOULA	52	35	58	29	44	5	0.76	0.69	0.61	1.93	102	14.15	123	81	51	0	2	4	1		
NE GRAND ISLAND	52	28	69	9	40	-7	0.02	-0.21	0.02	8.79	208	27.89	119	87	66	0	4	1	0		
LINCOLN	51	28	67	9	39	-9	0.89	0.52	0.89	5.33	95	21.84	83	96	68	0	4	1	1		
NORFOLK	52	27	67	12	40	-5	0.06	-0.23	0.03	5.22	128	19.73	84	90	56	0	4	3	0		
NORTH PLATTE	56	28	66	15	41	-3	0.00	-0.18	0.00	4.53	175	17.37	95	89	40	0	6	0	0		
OMAHA	50	31	62	17	41	-7	0.87	0.36	-	10.09	167	28.01	102	96	65	0	4	4	1		
SCOTTSSBLUFF	53	26	64	1	40	-4	0.05	-0.12	0.05	2.43	128	19.58	139	84	46	0	5	1	0		
VALENTINE	56	29	64	12	42	-1	0.04	-0.13	0.04	4.58	186	21.46	125	86	41	0	4	1	0		
NV ELY	61	21	65	13	41	0	0.01	-0.17	0.01	1.74	89	8.11	91	58	17	0	7	1	0		
LAS VEGAS	74	48	81	43	61	-2	0.00	-0.06	0.00	2.06	412	3.50	106	35	14	0	0	0	0		
RENO	67	30	72	21	49	2	0.00	-0.12	0.00	0.72	95	6.32	111	77	27	0	4	0	0		
WINNEMUCCA	64	28	71	13	48	2	0.00	-0.17	0.00	0.51	50	6.87	106	58	23	0	4	0	0		
NH CONCORD	53	34	61	22	43	0	2.33	1.54	1.86	4.99	91	28.23	95	88	39	0	4	2	1		
NJ NEWARK	60	42	65	35	51	-2	1.61	0.87	0.81	5.01	73	34.41	94	84	62	0	0	3	2		
NM ALBUQUERQUE	64	35	78	26	49	-2	0.00	-0.16	0.00	2.78	145	10.65	134	54	18	0	2	0	0		
NY ALBANY	53	33	61	25	43	-3	1.39	0.72	0.77	6.77	115	27.34	91	97	68	0	5	3	1		
BINGHAMTON	51	34	58	26	42	-2	1.28	0.61	0.91	4.88	77	24.70	80	92	58	0	4	4	1		
BUFFALO	53	38	64	28	46	-1	1.82	1.07	0.87	8.23	122	34.76	111	89	55	0	1	4	2		
ROCHESTER	54	35	66	28	44	-3	1.95	1.38	0.75	8.07	148	29.17	110	93	58	0	2	4	2		
SYRACUSE	53	35	64	24	44	-2	0.99	0.23	0.43	4.71	98	24.65	77	94	62	0	1	4	0		
NC ASHEVILLE	61	39	64	30	50	-2	4.98	4.18	2.53	11.11	147	47.13	116	93	56	0	1	4	2		
CHARLOTTE	66	45	71	37	56	-2	3.94	3.20	1.51	9.48	136	43.11	118	92	52	0	0	4	3		
GREENSBORO	63	40	69	34	52	-3	1.98	1.21	0.84	7.29	102	35.95	98	92	51	0	0	4	2		
HATTERAS	66	54	73	43	60	-2	3.52	2.38	2.41	13.82	132	45.67	97	88	69	0	0	4	2		
RALEIGH	67	42	72	34	54	-2	1.16	0.52	0.41	6.81	111	34.51	98	95	54	0	0	4	0		
WILMINGTON	69	50	74	40	59	-2	2.56	2.00	1.29	11.43	148	39.61	83	96	57	0	0	3	2		
ND BISMARCK	54	29	66	11	41	2	0.23	0.08	0.14	4.02	167	14.50	100	85	40	0	4	2	0		
DICKINSON	56	31	63	14	44	4	0.11	-0.04	0.06	1.09	41	15.88	104	80	33	0	4	3	0		
FARGO	45	28	53	21	37	-3	0.28	-0.02	0.14	5.25	142	25.51	141	86	52	0	5	3	0		
GRAND FORKS	39	28	46	19	34	-4	-	-	-	-	-	-	-	92	86	0	5	-	-		
JAMESTOWN	47	27	56	12	37	-2	0.21	0.06	0.10	2.44	89	19.67	123	85	49	0	5	3	0		
WILLISTON	54	32	63	21	43	5	0.02	-0.11	0.01	0.79	37	11.38	90	75	38	0	4	2	0		
OH AKRON-CANTON	56	38	65	30	46	-2	0.58	0.03	0.44	3.74	65	28.11	91	92	63	0	3	3	0		
CINCINNATI	58	38	66	23	48	-2	0.83	0.13	0.59	2.46	42	34.82	100	90	54	0	2	3	1		
CLEVELAND	56	39	64	33	48	-1	1.03	0.44	0.94	5.72	94	30.20	99	87	56	0	0	3	1		
COLUMBUS	67	39	84	32	48	-1	1.20	0.65	1.05	3.17	61	33.02	103	88	58	0	1	2	1		
DAYTON	56	38	65	28</																	

Weather Data for the Week Ending November 1, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	0.1 INCH OR MORE	
																		01 INCH OR MORE	50 INCH OR MORE
OK TOLEDO	53	37	68	29	45	-2	1.01	0.51	0.47	6.33	125	35.01	128	90	60	0	2	4	0
OK YOUNGSTOWN	56	38	68	32	48	-1	0.97	0.37	0.41	5.38	87	27.85	89	91	60	0	2	4	0
OK OKLAHOMA CITY	64	43	77	34	53	-3	0.00	-0.61	0.00	4.80	64	24.72	82	87	44	0	0	0	0
OR TULSA	62	44	75	34	53	-4	0.01	-0.74	0.01	5.13	61	35.89	101	88	54	0	0	1	0
OR ASTORIA	58	47	61	42	53	-3	4.62	2.80	1.52	19.21	216	70.10	152	97	79	0	0	7	3
OR BURNS	56	28	64	18	42	2	0.42	0.21	-	1.21	92	7.92	104	81	36	0	5	3	0
OR EUGENE	59	42	63	32	51	0	1.68	0.45	0.88	7.89	146	32.24	99	90	65	0	1	7	2
OR MEDFORD	66	43	72	32	54	4	1.43	0.94	0.77	3.34	137	14.79	119	90	49	0	1	4	1
OR PENDELTON	80	41	70	33	50	3	0.84	0.38	0.42	2.34	158	9.11	102	82	49	0	0	3	0
OR PORTLAND	58	47	62	40	53	2	3.04	2.21	1.30	8.84	189	37.12	149	95	73	0	0	6	2
PA SALEM	58	44	62	36	51	-2	1.99	1.02	1.21	10.35	220	37.87	144	97	75	0	0	6	2
PA ALLENTOWN	57	36	64	28	47	-2	1.22	0.51	0.60	6.22	89	34.06	94	89	37	0	4	3	2
PA ERIE	56	41	68	33	48	-1	1.39	0.53	0.97	5.85	71	33.99	100	88	58	0	0	3	1
PA MIDDLETOWN	58	38	65	27	48	-2	0.82	0.19	-	4.32	66	26.84	79	94	62	0	2	2	0
PA PHILADELPHIA	60	42	68	33	51	-1	1.38	0.74	0.65	4.07	86	26.59	78	87	52	0	0	3	2
PA PITTSBURGH	55	37	67	32	48	-2	1.12	0.57	0.59	4.47	92	27.89	90	85	51	0	3	3	1
PA SCRANTON	54	34	61	27	44	-3	0.54	-0.11	0.28	3.39	56	22.33	73	94	55	0	4	3	0
PA WILLIAMSPORT	55	33	62	26	44	-3	1.42	0.83	1.18	5.07	74	24.34	71	96	56	0	4	3	1
RI PROVIDENCE	58	37	63	29	47	-3	2.05	1.15	1.38	4.15	57	32.59	88	88	58	0	1	3	2
SC BEAUFORT	68	52	77	43	60	-4	3.26	2.77	1.81	5.85	77	36.42	79	99	66	0	0	4	2
SC CHARLESTON	69	52	77	41	60	-3	5.38	4.79	1.71	15.84	205	56.28	122	97	68	0	0	4	4
SC COLUMBIA	67	47	70	37	57	-3	3.57	2.91	1.06	10.92	161	40.40	93	95	57	0	0	4	4
SC GREENVILLE	63	43	68	34	53	-3	7.37	6.50	3.58	11.69	145	45.69	105	95	57	0	0	4	3
SD ABERDEEN	62	28	63	12	39	-2	0.02	-0.17	0.02	4.20	140	18.78	107	87	41	0	6	1	0
SD HURON	54	30	65	18	42	0	0.01	-0.28	0.01	6.44	199	24.29	128	81	43	0	4	1	0
SD RAPID CITY	57	30	65	4	44	0	0.00	-0.21	0.00	1.26	53	20.48	131	75	40	0	3	0	0
SD SIOUX FALLS	62	25	64	12	39	-4	0.03	-0.28	0.03	3.35	69	19.68	89	91	48	0	5	1	0
TN BRISTOL	62	39	69	30	51	-2	1.18	0.59	0.99	4.92	89	37.87	110	94	51	0	3	2	1
TN CHATTANOOGA	63	42	70	34	52	-4	2.44	1.65	1.85	11.39	152	51.61	118	92	53	0	0	2	2
TN KNOXVILLE	62	42	68	35	52	-2	1.88	1.29	1.48	6.85	111	47.26	121	92	57	0	0	4	1
TN MEMPHIS	62	44	69	36	53	-5	0.38	-0.43	0.30	10.78	161	64.95	157	90	50	0	0	2	0
TN NASHVILLE	62	40	72	31	51	-5	0.38	-0.31	0.17	8.58	138	45.78	118	91	49	0	1	4	0
TX ABILENE	73	44	85	29	59	-3	0.00	-0.47	0.00	2.59	45	22.93	104	73	25	0	1	0	0
TX AMARILLO	69	33	82	19	51	-3	0.00	-0.25	0.00	2.11	62	21.69	118	70	20	0	2	0	0
TX AUSTIN	73	55	90	43	64	-3	0.02	-0.68	0.01	7.11	104	40.11	145	79	45	1	0	2	0
TX BEAUMONT	70	53	84	42	62	-4	0.11	-0.82	0.11	6.38	59	41.98	88	93	59	0	0	1	0
TX BROWNSVILLE	79	62	92	52	71	-2	1.06	0.68	0.88	17.80	201	34.89	148	93	58	1	0	5	1
TX CORPUS CHRISTI	77	59	91	47	68	-3	0.79	0.32	0.75	14.52	169	34.80	127	93	58	1	0	4	1
TX DEL RIO	76	49	92	37	63	-4	0.01	-0.37	0.01	3.90	74	21.74	129	79	34	1	0	1	0
TX EL PASO	72	41	81	32	58	-3	0.00	-0.11	0.00	1.74	70	7.44	94	58	21	0	1	0	0
TX FORT WORTH	69	50	80	40	59	-3	0.00	-0.70	0.00	7.85	109	37.00	125	84	44	0	0	0	0
TX GALVESTON	72	59	82	47	65	-4	0.91	0.35	0.72	14.83	167	50.06	141	87	64	0	0	4	1
TX HOUSTON	71	52	84	41	61	-5	0.01	-0.90	0.01	11.99	129	50.94	131	91	59	0	0	1	0
TX LUBBOCK	71	38	84	26	53	-4	0.00	-0.31	0.00	3.12	69	20.35	117	74	20	0	2	0	0
TX MIDLAND	74	43	86	31	59	-1	0.00	-0.28	0.00	2.47	56	15.34	111	62	17	0	1	0	0
TX SAN ANGELO	76	42	88	27	59	-2	0.00	-0.40	0.00	2.38	41	21.24	114	67	20	0	1	0	0
TX SAN ANTONIO	75	52	89	37	63	-3	0.00	-0.68	0.00	5.96	89	28.83	106	78	42	0	0	0	0
TX VICTORIA	73	55	87	40	64	-4	0.18	-0.44	0.11	17.85	195	62.96	191	92	58	0	0	4	0
TX WACO	72	48	84	35	60	-4	0.01	-0.67	0.01	2.65	38	31.07	112	84	42	0	0	1	0
TX WICHITA FALLS	69	41	83	29	55	-4	0.00	-0.49	0.00	2.89	43	18.73	72	84	33	0	1	0	0
UT SALT LAKE CITY	80	36	68	28	47	-1	0.33	0.01	0.32	3.37	121	15.42	113	89	38	0	3	2	0
VT BURLINGTON	50	34	61	22	42	-1	0.82	-0.05	0.30	4.37	70	24.93	96	85	57	0	3	4	0
VA LYNCHBURG	60	37	67	28	49	-4	2.29	1.48	1.44	6.50	92	29.83	86	97	48	0	3	3	2
VA NORFOLK	64	47	70	37	56	-1	2.47	1.81	0.96	7.58	108	31.10	81	94	67	0	0	4	2
VA RICHMOND	63	42	68	34	53	-2	1.03	0.24	0.72	4.40	63	26.77	73	90	67	0	0	4	1
VA ROANOKE	61	38	68	32	49	-3	1.24	0.40	0.59	5.20	70	30.98	88	90	53	0	1	5	2
WA WASH/DULLES	57	36	63	27	47	-4	1.51	0.79	0.83	6.75	102	29.30	87	96	57	0	4	4	2
WA HANFORD	61	41	67	31	51	-	0.44	0.16	-	1.24	175	5.07	117	82	47	0	1	5	0
WA OLYMPIA	55	44	60	36	50	3	4.87	3.53	2.07	12.26	181	52.74	152	100	86	0	0	7	2
WA QUILLAYUTE	56	45	60	39	51	3	5.52	2.82	1.99	26.52	187	105.22	139	98	82	0	0	7	5
WA SEATTLE-TACOMA	55	47	59	43	51	2	2.96	1.98	1.38	9.71	184	38.50	150	94	77	0	0	5	2
WA SPOKANE	54	38	59	33	46	4	0.92	0.60	0.45	2.85	151	14.49	121	95	59	0	0	5	0
WA YAKIMA	59	34	63	27	47	1	0.89	0.75	0.74	1.98	220	5.58	100	94	48	0	3	4	1
WV BECKLEY	58	36	64	28	47	-1	0.67	0.03	0.33	2.88	42	32.91	94	86	56	0	4	3	0
WV CHARLESTON	62	38	72	29	50	-2	0.70	0.00	0.24	3.12	50	36.57	103	96	51	0	3	4	0
WV ELKINS	59	32	67	24	46	-1	1.06	0.36	0.79	5.55	80	35.57	93	95	50	0	4	3	1
WV HUNTINGTON	62	38	71	31	50	-2	0.65	-0.03	0.35	2.83	48	33.31	95	94	51	0	2	3	0
WI EAU CLAIRE	49	31	60	19	40	-2	0.46	0.03	0.37	5.44	85	28.88	99	89	52	0	4	3	0
WI GREEN BAY	51	33	63	24	42	-1	0.15	-0.31	0.09	3.74	66	28.49	105	87	55	0	5	3	0
WI MADISON	49	36	63	28	42	-1	0.36	-0.06	0.24	2.59	46	26.14	97	92	64	0	4	4	0
WI MILWAUKEE	53	38	66	28	45	-1	0.43	-0.10	0.42	4.04	69	30.45	108	91	57	0	2	2	0
WI CASPER	62	29	61	16	41	0	0.22	0.02	0.22	2.05	108	11.19	101	76	41	0	4	1	0
WI CHEYENNE	50	30	58	18	40	-2	0.03	-0.11	0.03	3.17	156	19.11	142	69	42	0	6	1	0
WI LANDER	49	25	59	8	37	-3	0.00	-0.23	0.00	2.22	98	12.13	104	72	41	0	5	0	0
WI SHERIDAN	54	29	64	8	42	1	0.20	-0.03	0.08	2.58	99	14.70	113	85	48	0	4	3	0

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 27 - November 2, 1997

### HIGHLIGHTS

The storm that caused blizzard conditions on the Plains October 24-25 tracked northeastward early last week, slowing harvest in the Corn Belt. Snow cover and record low temperatures early on, then melting snow later in the week kept farmers out of fields in the central Plains. Showers and locally

heavy rainfall hampered harvest efforts in the Southeast and along the Atlantic Coast. Midweek heavy rains in the Pacific Northwest slowed fieldwork. Fieldwork activities continued under favorable conditions in the Southwest and northern Plains.

**Corn:** Corn was harvested from 75 percent (%) of the Nation's acreage, ahead of 62% harvested at this time last year and the 5-year average of 64%. Harvest activity was limited or at a standstill in Nebraska due to last week's blizzard. In Iowa, heavy snow slowed harvest and lodged some standing corn and soybeans, especially fields with existing corn borer damage. Even though the Iowa harvest was slowed this week, it remained well ahead of the average pace. Snow and rain from the storm made it difficult for corn fields to dry down in Michigan, delaying an already late harvest. Harvest activity resumed late in the week in the Corn Belt States. South Dakota farmers took advantage of clear skies to harvest 22% of their State's acreage during the week, well ahead of the average pace.

**Soybeans:** The soybean acreage was 89% harvested, ahead of 80% harvested in 1996 and the average of 85%. Showers and locally heavy rainfall along the Atlantic Coast and in the Southeast as well as the early-week snowstorm hampered harvest activities in most major soybean-producing States. Farmers in Alabama, Arkansas, and Tennessee were able to make some harvest progress. Soybean harvest was coming to a close in Illinois, Indiana, Iowa, Louisiana, Minnesota, and South Dakota, but rain and snow limited progress.

**Cotton:** Cotton harvest advanced to 59% complete, 3 percentage points behind a year ago and 4 points behind the average. Early-week below-normal temperatures increased defoliation in Texas cotton fields. Harvest was in full swing in the plains and north-central areas, while increasing in the Trans-Pecos region. Growers in the Southeast were able to harvest some fields between showers, but progress remained significantly behind normal in Alabama, Georgia, North Carolina, and South Carolina. In Louisiana, harvest continued and some farmers made a second pass over fields. Harvest was active in New Mexico and Oklahoma, but progress remained behind the normal pace. California cotton growers continued to harvest their crop ahead of the normal pace. Harvest in Louisiana was virtually complete.

**Sorghum:** Sorghum harvest was most active in New Mexico, where growers harvested 21% of their State's crop during the week. Central Plains farmers made limited progress harvesting their sorghum crop as melting snow from the previous week's blizzard kept farmers out of fields. Overall blizzard damage to crops appeared to be minimal in Colorado, but the snowstorm delayed harvest of a crop that was already progressing well behind the normal pace. In Texas, harvest was in full swing as freezing temperatures allowed fields to dry down nicely. Late-planted fields rapidly turned color after the early-week below-normal temperatures. Overall, 76% of the sorghum acreage was harvested, compared with 73% last year and the average of 76%.

**Peanuts:** Peanut harvest advanced to 87% complete nationwide, 2 points ahead of 1996. Harvest was most active in Oklahoma, where peanut growers took advantage of dry conditions to harvest fields. Despite rainfall, growers in North and South Carolina made good harvest progress. In Texas, harvest continued, but early-week freezing temperatures may have hurt some fields not dug yet. Harvest was virtually complete in Florida, Georgia, and Virginia.

**Winter wheat:** Planting of the 1998 winter wheat crop entered its final stages as 91% of the crop was in the ground, compared with 93% planted in 1996 and the average of 91%. Planting was most active in Missouri and Arkansas, where dry weather allowed farmers to immediately plant winter wheat following fall crop harvest. Rain or snow limited planting elsewhere. Melting snow from the early-season storm that hit the central Plains the previous week kept Kansas farmers out of fields. Eighty percent of the winter wheat acreage had emerged by week's end, behind 83% emergence a year ago but ahead of 78% for the average. Emerging fields in Colorado and Nebraska benefited from the moisture brought by the previous week's snowstorm. Rain in the Pacific Northwest and east of the Mississippi River benefited newly emerged wheat. Rainfall in the Southeast and Corn Belt provided optimum conditions for winter wheat. Overall, condition of the winter wheat crop rated mostly good.

# Crop Progress and Condition

Week Ending November 2, 1997

Winter Wheat Percent Planted				
	Nov 2 1997	Prev Week	Prev Year	5-Yr Avg
AR	80	42	47	58
CA	7	5	19	15
CO	100	100	100	100
GA	9	6	12	14
ID	96	94	98	96
IL	97	93	88	90
IN	96	92	87	91
KS	96	95	98	98
MI	99	96	98	96
MO	86	75	76	77
MT	99	98	100	97
NE	100	100	100	100
NC	35	27	44	41
OH	97	94	90	95
OK	93	87	97	96
OR	93	89	93	87
SD	100	100	100	100
TX	86	82	98	86
WA	99	99	99	97
ALL	91	89	93	91

These 19 States produced 92% of the 1996 winter wheat crop.

Winter Wheat Percent Emerged				
	Nov 2 1997	Prev Week	Prev Year	5-Yr Avg
AR	42	24	34	38
CA	2	0	9	5
CO	96	94	95	95
GA	5	2	7	8
ID	77	66	81	74
IL	86	67	88	72
IN	78	63	67	73
KS	89	84	93	90
MI	95	74	80	79
MO	65	50	55	55
MT	82	78	83	79
NE	100	99	100	100
NC	15	0	25	23
OH	71	53	67	75
OK	76	65	83	76
OR	70	62	73	64
SD	100	96	90	97
TX	70	62	91	72
WA	97	93	93	85
ALL	80	72	83	78

These 19 States produced 92% of the 1996 winter wheat crop.

Soybeans Percent Harvested				
	Nov 2 1997	Prev Week	Prev Year	5-Yr Avg
AL	58	46	55	48
AR	65	53	57	62
GA	25	19	35	26
IL	98	97	85	94
IN	96	93	78	91
IA	99	98	95	98
KS	85	82	81	85
KY	60	51	41	59
LA	96	95	90	83
MI	87	80	76	80
MN	99	99	99	96
MS	85	76	77	72
MO	82	75	69	78
NE	92	91	100	98
NC	16	13	20	18
OH	95	91	71	90
SC	11	9	18	14
SD	98	94	98	93
TN	51	39	32	46
ALL	89	85	80	85

These 19 States produced 94% of the 1996 soybean crop.

Corn Percent Harvested				
	Nov 2 1997	Prev Week	Prev Year	5-Yr Avg
CO	77	66	83	66
GA	98	98	98	98
IL	89	79	66	75
IN	59	49	45	60
IA	84	76	58	63
KS	93	91	91	88
KY	85	77	89	88
MI	15	9	32	36
MN	90	78	74	60
MO	87	82	78	75
NE	66	63	67	62
NC	95	91	95	96
OH	41	27	33	50
PA	46	30	40	44
SD	80	58	56	50
TX	99	98	98	99
WI	41	28	34	45
ALL	75	66	62	64

These 17 States produced 90% of the 1996 corn crop.

Cotton Percent Harvested				
	Nov 2 1997	Prev Week	Prev Year	5-Yr Avg
AL	56	45	73	67
AZ	64	56	52	68
AR	74	62	83	78
CA	75	60	59	66
GA	47	42	66	58
LA	98	96	97	92
MS	85	78	92	84
MO	72	64	70	79
NM	31	15	48	38
NC	34	27	65	55
OK	32	14	23	33
SC	41	30	68	54
TN	73	58	79	74
TX	45	38	39	47
ALL	59	51	62	63

These 14 States produced 99% of the 1996 cotton crop.

Sorghum Percent Harvested				
	Nov 2 1997	Prev Week	Prev Year	5-Yr Avg
AR	99	98	99	99
CO	10	9	65	53
IL	89	79	46	69
KS	75	73	74	72
LA	100	100	100	100
MS	100	100	100	100
MO	82	74	78	78
NE	80	79	55	70
NM	48	27	10	36
OK	46	41	33	42
SD	80	70	82	74
TX	82	76	82	88
ALL	76	72	73	76

These 12 States produced 99% of the 1996 sorghum crop.

Peanuts Percent Harvested				
	Nov 2 1997	Prev Week	Prev Year	5-Yr Avg
AL	96	95	90	NA
FL	99	98	94	NA
GA	98	94	92	NA
NC	75	64	86	NA
OK	80	62	80	NA
SC	90	76	90	NA
TX	62	51	63	NA
VA	98	94	97	NA
ALL	87	81	85	NA

These 8 States produced 99% of the 1996 peanut crop.

(Continued on backcover)

## 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 3.5. Topsoil 5% short, 67% adequate, 28% surplus. Wheat planted 36%, 38% 1996, 45% avg. Livestock 2% poor, 25% fair, 66% good, 7% excellent. Row crop harvest was slowed or halted by showers, locally heavy rains in many areas. Rains created optimum conditions for seeding fall forages, fescue pastures, small grains.

**ARIZONA:** Soil moisture was short to adequate in most areas. Alfalfa harvest activity 27% light, 56% moderate, 8% active, and 9% not being harvested; 1% poor, 17% fair, 43% good, 39% excellent. Carrots, broccoli, green onions, mixed greens, cantaloupe, honeydews, radishes shipped from central fields. Iceberg lettuce, cantaloupe, honeydew harvested in the west. Chili pepper harvest continued in the east. Harvest of pink grapefruit, lemons underway in central, west. High elevation pastures reported mostly good conditions; lower elevation pastures were in fair condition; mid-elevation pastures were mostly good. Livestock fair to good conditions. Stock water short to adequate. Insect damage has increased.

**ARKANSAS:** Days suitable for fieldwork 5. Soil moisture 12% short, 69% adequate, 19% surplus. Main farming activities: Harvesting cotton and soybeans, planting wheat and winter pastures. Other farm activities: Weaning, selling calves, feeding cattle, planting, fertilizing winter forages. Alfalfa hay 8% poor, 32% fair, 58% good, 2% excellent. Other hay 3% very poor, 22% poor, 35% fair, 37% good, 3% excellent. Pasture feed 2% very poor, 10% poor, 41% fair, 45% good, 2% excellent.

**CALIFORNIA:** Field activities progressed normally under favorable conditions in most areas. Seedbed preparation for planting small grains, forage crops, new alfalfa continued. Planting of wheat, barley, oats, winter forages was ongoing in irrigated fields. Dryland growers were waiting for rainfall to increase soil moisture. Rice harvest was complete, stubble was reflooded to provide for wildlife feeding. Cotton harvest was complete in the Imperial, Sacramento Valleys. San Joaquin Valley cotton harvest was rapidly winding down. Some Kings County growers were picking a second time. Harvested cotton fields were shredded, plowed down for pink bollworm control. Black eye bean harvest, the harvest of corn for grain, silage were nearing completion in the San Joaquin Valley. Old crop sugarbeet harvesting continued, planting of new crop fields gained momentum. Alfalfa, sudan grass were cut for hay or green chopped. Some Sacramento Valley alfalfa fields were sprayed for worm control. Harvest of wine, juice grapes neared completion. Some varieties of table grapes continued to be harvested, packed. Pruning, other cultural practices continued in almond, walnut, pistachio orchards as harvesting was completed. A few Granny Smith and Fuji variety apples continued to be harvested. Pomegranate, persimmon, and kiwifruit picking was active. Navel orange harvest continued, as demand increased. Grapefruit, pomello harvests continued. Avocado harvesting began in the southern San Joaquin Valley. Broccoli, cauliflower were harvested in the Salinas-Watsonville area. Lettuce harvest in Monterey County, San Joaquin Valley were slow. Lettuce fields not harvested were thinned, treated to control insects, weeded, irrigated. Artichokes, brussels sprouts were harvested in the central coast area. Cantaloup, honeydew melon were harvested in the Imperial Valley. Cauliflower, broccoli, spinach crops made good progress. White flies caused problems in the desert valleys. Sweet potato harvest proceeded in Merced County. Harvest of fresh

market tomatoes in the San Joaquin Valley progressed normally. A few fields of sweet corn were picked in Tulare County. Garlic was planted on the west side of Fresno County. Other crops harvested were lima beans, green beans, onions, radishes, vineseed, eggplant, squash, okra. Pasture, rangeland were still in seasonally poor condition across most of State, with more rainfall needed to improve overall range conditions. Supplemental feeding was necessary in most areas. Sheep grazed off harvested dry bean, alfalfa fields in Kern County. Livestock were in excellent condition. Fall calving continued statewide.

**COLORADO:** Days suitable for fieldwork 2.1. Topsoil 2% very short, 11% short, 71% adequate, 16% surplus. Subsoil 7% very short, 31% short, 55% adequate, 7% surplus. Much of eastern areas spent the past week digging out from the snowstorm and assessing damage to crops, livestock. Areas in the southeast part of the State have been hurt the most with livestock fatalities. Full extent of the losses are still being assessed as producers locate lost animals. Overall damage to crops appears to be minimal as producers still expect to harvest the remaining fields unless additional adverse weather prevents them from doing so. Dry conditions were seen the rest of the week with much of the snow pack melting. Sugar beets 96% harvested, 93% 1996, 91% avg.

**DELAWARE:** Days suitable for fieldwork 3.8. Topsoil 7% short, 92% adequate, 1% surplus. Subsoil 23% short, 77% adequate. Field corn 72% harvested for grain, 85% 1996, 90% avg. Soybeans 32% harvested, 33% 1996, 42% avg. Sorghum 30% harvested, 52% 1996, 43% avg. Barley 14% fair, 83% good, 3% excellent; 94% seeded, 84% 1996, 80% avg. Wheat 15% fair, 82% good, 3% excellent; 60% seeded, 55% 1996, 54% avg. Hay supplies 17% very short, 38% short, 45% adequate. Alfalfa 52% harvested 5th cutting, 59% 1996, 57% avg. Pasture feed 15% poor, 28% fair, 57% good. Activities: Barley and wheat seeding continued, corn, soybean harvesting delayed from rain late in week, problems with geese feeding on emerging barley, wheat fields.

**FLORIDA:** Topsoil mostly adequate, Panhandle, northern Peninsula. Central, southern Peninsula soil moisture short to adequate. Sugarcane growth normal. Wet weather delayed cotton picking. Soybean harvest active. All sugarcane mills will be running by end of week. Peanuts 99% harvested. Heavy rain, wind-borne sand reduced quality of some vegetables, delayed some vegetable harvesting in areas affected by strong storms. Tomato picking getting underway, Immokalee, East Coast areas. Vegetables marketed include snap beans, sweet corn, cucumbers, eggplant, endive, escarole, lettuce, okra, peppers, radishes, squash, Chinese cabbage, tomatoes. Rain most citrus areas, moisture adequate. New growth slowing due to cool nighttime temperatures. Early fruit coloring well on trees. Pickers moving early fruit to packing houses. Several processors open for grove run fruit. Caretakers cutting cover crops, spraying, and minimizing grove care expenditures. Pasture feed 5% poor, 55% fair, 40% good. Cattle 25% fair, 75% good. North: Winter pasture small grain planting delayed before weekend rain, soil too dry. Hay being fed, (earliest occurrence of feeding in several years). North-central: Grass growth slowed as temperatures cooler. Army worms again reported in hay fields. Planting winter forage delayed at week's end by rain. West-central: Pastures got too much rain. Pasture growth slowing. Rye grass for winter pasture being planted. Cattle fair to good condition throughout State.

**GEORGIA:** Days suitable for fieldwork 3.3. Soil moisture 3% short, 54% adequate, 43% surplus. Cotton 3% very poor, 17% poor, 42% fair, 34% good, 4% excellent; 96% bolls open, 96% 1996, 96 avg. Peanuts 100% dug, 98% 1996, 99% avg. Rye 68% planted, 71% 1996, 72% avg. Sorghum 3% very poor, 14% poor, 54% fair, 28% good, 1% excellent; 75% harvested for grain, 74% 1996, 82% avg. Soybeans 16% very poor, 20% poor, 45% fair, 18% good, 1% excellent; 97% dropping leaves, 98% 1996, 98% avg. Other small grains 50% planted, 52% 1996, 54% avg. Onions 2% transplanted, 1% 1996, 6% avg. Apples 1% very poor, 4% poor, 11% fair, 79% good, 5% excellent; 95% harvested, 99% 1996, 95% avg. Pecans 3% very poor, 21% poor, 35% fair, 34% good, 7% excellent; 24% harvested, 26% 1996, 22% avg. Heavy rains many areas slowed fieldwork. Soil moisture highest of row crop season, wetter in southern half of State. Unharvested row crop conditions slipped. Other crops held steady or improved slightly. Frost northern areas. Activities: Overseeding of pastures, cutting hay, harvesting vegetables, preparing fields for small grain planting, aerial defoliation of cotton.

**HAWAII:** Favorable weather. Mostly sunny. Cold front produced moderate showers over weekend. Cool north winds followed. Banana harvest active. Crop conditions fair to good. Head and Chinese cabbage harvesting active. Crop conditions improved due to advent of cooler weather. Cucumber harvesting active on islands of Oahu, Molokai; light elsewhere. Green pepper harvest active; plants made good progress. Major tomato fields to begin harvest. Papaya harvesting active. Watermelon harvesting active; dependent on market conditions.

**IDAHO:** Days suitable for fieldwork 5.6. Topsoil 7% surplus, 83% adequate, 10% short. Potatoes harvested 99%, 99% 1996, 99% avg. Apples harvested 96%, 91% 1996, 93% avg. Sugar beets harvested 84%, 80% 1996, 83% avg. Corn harvested for grain 39%, 44% 1996, 52% avg. Alfalfa hay harvested (4th cutting) 89%. Irrigation water supply 7% fair, 70% good, 23% excellent. Activities: Harvesting sugar beets, corn for grain, finishing potato, apple harvests, plowing, weaning calves, preparing seed beds, seeding winter grains.

**ILLINOIS:** Days suitable for fieldwork 5.0. Topsoil 6% very short, 26% short, 67% adequate, 1% surplus. Topsoil improved last week. Corn harvest, fall tillage operations were slowed early last week by snow in the northern districts, rain elsewhere. However, producers were able to resume these activities by midweek. Fall tillage has become the main activity statewide and has progressed rapidly under ideal conditions. Dry fertilizer, lime continue to be spread as well as fall applications of anhydrous. Winter wheat crop has emerged well, recent rains have been very beneficial to crop growth. Last week found many farmers wrapping up harvest, tillage for the year preparing machinery for storage.

**INDIANA:** Days suitable for fieldwork 5.1. Topsoil 11% very short, 40% short, 45% adequate, 4% surplus. Subsoil 19% very short, 33% short, 44% adequate, 4% surplus. Scattered showers slowed harvest. First break most farmers have had since harvest began, as conditions have been ideal. Activities: Harvesting soybeans, corn; wheat seedbed preparation, planting, tilling harvested soybean, corn acreage; applying fertilizer, lime; caring for livestock.

**IOWA:** Days suitable for fieldwork 3.5. Topsoil 2% very short, 12% short, 71% adequate, 15% surplus. Subsoil 7% very short, 30% short, 60% adequate, 3% surplus. Heavy snow slowed harvest, lodged some standing beans, corn, especially that with existing corn borer damage. Corn acreage harvested 84%, 58% 1996, 63% avg. Soybean acreage harvested 99%, 95% 1996, 98% avg. Field corn 18% moisture; harvested corn 17% moisture. Of corn yet to be harvested, lodging 18% none, 39% light, 35% moderate, 8% heavy;

ear droppage 20% none, 45% light, 31% moderate, 4% heavy. Grain movement 15% none, 43% light, 34% moderate, 8% heavy. Grain storage availability off-farm 17% short, 80% adequate, 3% surplus; on-farm 20% short, 76% adequate, 4% surplus. Completion of 1998 row crop fall tillage 33%, 17% 1996, 20% avg.; fall fertilizer applied 30%, 15% 1996, 17% avg. Winter wheat planted 89%, 95% 1996, 96% avg. Livestock good. Snow hard on all outside livestock. Range, pasture improved slightly. Pasture feed 7% very poor, 16% poor, 37% fair, 34% good, 6% excellent.

**KANSAS:** Days suitable for fieldwork 1.8. Topsoil 1% short, 73% adequate, 26% surplus. Subsoil 10% short, 86% adequate, 4% surplus. Wet conditions brought fieldwork to a snails pace. Storage problems at elevators continue to be reported. Sunflowers harvested 72%, no historic data. Stock water 1% very short, 8% short, 88% adequate, 3% surplus. Cow-calf producers affected by 25th snowstorm had extra effort in getting hay to cattle.

**KENTUCKY:** Days suitable fieldwork 4.7. Topsoil 9% very short, 36% short, 54% adequate, 1% surplus. Subsoil 19% very short 36% short, 44% adequate, 1% surplus. Weekend rains improved winter wheat, pastures, ground water supplies. Wet conditions delayed corn, soybean harvest. Burley stripped 18%, 24%, 1996, 25% avg. Quality of stripped tobacco 2% very poor 9% poor, 38% fair, 45% good, 6% excellent. Winter wheat seeded 80%, 81% 1996, 76% avg. Pastures 11% very poor 26% poor, 43% fair, 17% good, 3% excellent. Livestock in mostly good condition. Some concerns about winter feed supplies.

**LOUISIANA:** Days suitable for fieldwork 5.1. Soil moisture 4% very short, 17% short, 70% adequate, 9% surplus. Cotton harvest continued, some farmers were making a second pass over the field. Pecans 10% very poor, 12% poor, 44% fair, 34% good; 34% harvested, 30% 1996, 23% avg. Rice 100% harvested, 100% 1996, 100% avg. First crop rice harvest was virtually complete, growers in the southern parishes were harvesting second crop rice. Soybean harvest was coming to a close, rain hindered progress. Sugarcane 2% poor, 26% fair, 55% good, 17% excellent; 35% harvested, 25% 1996, 30% avg. Sugarcane harvest made excellent progress with high average sucrose levels reported in most areas. Sweet potatoes 89% harvested, 87% 1996, 83% avg. Wheat 35% planted, 31% 1996, 33% avg.; 21% emerged, 18% 1996, 18% avg. Planting was active after recent rains replenished moisture. Livestock 8% poor, 37% fair, 51% good, 4% excellent. Vegetables 5% very poor, 15% poor, 38% fair, 39% good, 3% excellent. Strawberry planting has begun. Pasture: Ryegrass planting continued active.

**MARYLAND:** Days suitable for fieldwork 4.7. Topsoil 8% very short, 9% short, 67% adequate, 16% surplus. Subsoil 22% very short, 17% short, 54% adequate, 7% surplus. Field corn 78% harvested for grain, 84% 1996, 80% avg. Soybeans 49% harvested, 48% 1996, 51% avg. Sorghum 48% harvested, 48% 1996, 54% avg. Barley 1% very poor, 5% poor, 14% fair, 61% good, 19% excellent; 92% seeded, 88% 1996, 91% avg. Rye 2% very poor, 6% poor, 21% fair, 58% good, 13% excellent; 80% seeded, 67% 1996, 73% avg. Wheat 4% very poor, 7% poor, 16% fair, 51% good, 22% excellent; 63% seeded, 63% 1996, 67% avg. Apples 94% harvested, 92% 1996, 92% avg. Hay supplies 27% very short, 39% short, 32% adequate, 2% surplus. Alfalfa hay 48% 5th cutting, 66% 1996, 59% avg. Clover, other hays 80% 4th cutting, 87% 1996, 76% avg. Activities: Soil moisture continued to improve from precipitation, corn, soybean harvesting slowed from rain late in week, geese feeding in harvested corn fields, emerging barley, wheat fields.

**MICHIGAN:** Days suitable for fieldwork 4.0. Topsoil 9% short, 79% adequate, 12% surplus. Subsoil 15% short, 80% adequate, 5%. A major storm brought up to eight inches of snow to much of the Lower Peninsula on 27th. Rain later in the week also kept farmers out of the fields. Snow, rain made harvest difficult, slowed dry down. All hay 4th

cutting harvested 89% 1997, 91% 1996, 80% avg. Sugar beets harvested 98% 1997, 75% 1996, 85% avg. Pasture feed 2% very poor, 22% poor, 41% fair, 32% good, 3% excellent.

**MINNESOTA:** Days suitable for fieldwork 6.1. Topsoil 1% very short, 8% short, 87% adequate, 4% surplus. Corn 90% harvested, 74% 1996, 60% avg.; 18% moisture content, 21% 1996, 23% avg.; 64% stubble worked, 37% 1996, 30% avg. Soybeans 84% stubble worked, 80% 1996, 59% avg. Sunflowers 94% harvested, 94% 1996, 85% avg. Pasture feed 4% very poor, 15% poor, 42% fair, 38% good, 1% excellent.

**MISSISSIPPI:** Days suitable for fieldwork 3.7. Soil moisture 2% very short, 7% short, 55% adequate, 36% surplus. Soybeans 99% shedding leaves, 100% 1996, 98% avg.; 85% harvested, 77% 1996, 72% avg. Sweet potatoes 84% harvested, 85% 1996, 89% avg.; 8% poor, 42% fair, 49% good, 1% excellent. Rice 100% harvested, 100% 1996, 99% avg. Pecans 42% harvested, 26% 1996, 27% avg.; 4% poor, 18% fair, 70% good, 8% excellent. Wheat 71% planted, 77% 1996, 63% avg.; 56% emerged, 53% 1996, 43% avg.; 1% very poor, 1% poor, 44% fair, 54% good. Cattle 1% very poor, 4% poor, 19% fair, 64% good, 12% excellent. Pasture feed 4% very poor, 14% poor, 37% fair, 38% good, 7% excellent. Activities: Harvesting corn, cotton, rice, soybeans, planting wheat.

**MISSOURI:** Days suitable for fieldwork 3.7. Topsoil 2% very short, 13% short, 77% adequate, 8% surplus. Ground worked for spring crops 31%, 23% 1996, 20% avg. Harvesting progress of corn, sorghum, soybean remains ahead of both 1996 and avg., despite scattered showers, poor drying weather. Bean harvesting most advanced northeast, north central, central, east central districts with 96%, 90%, 90%, 89%, respectively. Bean harvesting least advanced in the south central, southeast with 68%. Corn harvesting complete in southern third of State, northern third is least advanced with districts ranging 76-80%. Sorghum harvesting over 95% complete southern third of State, central district least advanced at 61%. Pasture feed 2% very poor, 9% poor, 33% fair, 54% good, 2% excellent.

**MONTANA:** Days suitable for fieldwork 6.1. Topsoil 12% very short, 39% short, 46% adequate, 3% surplus. Subsoil 14% very short, 36% short, 48% adequate, 2% surplus. Major activities include some late fall tillage, finishing of row crop harvest. Potatoes harvested 93%, 97% 1996, 97% avg. Sugar beets harvested 99%, 99% 1996, 95% avg. Cattle, calves moved from summer ranges 82%, 81% 1996, 80% avg. Sheep, lambs moved from summer ranges 85%, 81% 1996, 85% avg.

**NEBRASKA:** Days suitable for fieldwork 1.4. Subsoil 2% very short, 14% short, 77% adequate, 7% surplus. Topsoil 3% short, 70% adequate, 27% surplus. Row crop harvest activities was limited or at a complete standstill over most of the State last week due rain, snow storms that struck a week ago. Corn 66% harvested, 67% 1996, 62% avg. Soybeans 92% combined, 100% 1996, 98% avg. Sorghum 80% harvested, 55% 1996, 70% avg. Alfalfa 1% very poor, 9% poor, 29% fair, 56% good, 5% excellent. Winter wheat 4% poor, 25% fair, 60% good, 11% excellent. Pasture feed, range 4% very poor, 14% poor, 33% fair, 42% good, 7% excellent; few cattle losses reported, muddy lots slowed cattle weight gain.

**NEVADA:** Pasture, range forage supplies remain good; cattle, calves are being moved to winter pastures. Final cutting of hay continued under fair weather conditions. Alfalfa 4th cutting advancing north, 5th cutting nearing complete south. Field leveling, seeding of winter grains well along. Corn harvest well along. Potato harvest continued. Garlic planting underway. Main farm, ranch activities: Haying, potato harvest, moving cattle, marketing calves.

**NEW ENGLAND:** Days suitable for fieldwork 5.0. Topsoil 1% very short, 4% short, 86% adequate, 9% excellent. Subsoil 1% very short, 13% short, 80% adequate, 6% excellent. Pasture feed 10% poor, 47% fair, 41% good, 2% excellent. Maine potatoes 100% harvested, 100% 1996, 100% avg.; condition good. Oats in Maine 99% harvested, 100% 1996, 100% avg.; condition good. Barley in Maine 99% harvested, 100% 1996; condition good. Field corn 95% harvested, 95% 1996, 99% avg.; condition good. Second cut hay 99% harvested, 99% 1996, 99% avg.; condition good to fair. Third cut hay 95% harvested, 90% 1996, 99% avg.; condition good. Apples 95% harvested, 100% 1996, 100% avg.; fruit size avg.; condition good to excellent. Pears 100% harvested, 100% 1996; fruit size avg.; condition good. Cranberries 99% harvested, 100% 1996; fruit size avg to above avg.; condition good to excellent. Soaking rain improved soil conditions. Precipitation fell as snow in northern areas as much as 8 inches at some locations. Harvest season winding down. Major farm activities: Harvesting field corn; mending fences; spreading manure; disking down harvested fields; spreading lime, fertilizer.

**NEW JERSEY:** Days suitable for fieldwork 5. Topsoil short to adequate. Main farming activities: Final harvesting of fall vegetables, planting cover crops, cleaning equipment. Light volume of beans, cucumbers, eggplant, tomatoes, squash. Moderate volume of peppers, cabbage, lettuce (all types), beets, herbs, endive, escarole, parsley, pumpkins, spinach. Harvesting of soybeans, corn for grain and silage continue. Pasture feed poor to good. Apple harvest continues with a good supply of apples reported.

**NEW MEXICO:** Days suitable for fieldwork 6.4. Topsoil 2% very short, 34% short, 64% adequate. Hay producers continued with the last cutting of the year. Alfalfa 6% poor, 16% fair, 70% good, 8% excellent; 6th cutting 78% complete, 74% 1996. Although behind schedule for this time of the year cotton harvest progressed well last week; 31% harvested, 48% 1996, 38% avg.; 1% very poor, 5% poor, 38% fair, 50% good, 6% excellent. With the sorghum crop 96% mature harvest moved to 48% complete, 10% 1996, 36% avg.; 74% mature 1996, 85% avg.; 40% fair, 60% good. Red chile harvest moved ahead slowly to 40% complete, 43% 1996; 1% poor, 24% fair, 73% good, 2% excellent. Corn 5% fair, 83% good, 12% excellent; 86% of grain harvested, 84% 1996. Wheat 100% emerged, 30% fair, 69% good, 1% excellent. Pecan producers were busy preparing for the upcoming harvest. Pecan 2% poor, 23% fair, 71% good, 4% excellent. Lettuce harvest was completed last week. Cattle, sheep remained in mostly good condition. Range, pasture feed 8% poor, 28% fair, 61% good, 3% excellent.

**NEW YORK:** Corn silage harvest virtually complete. Grain corn harvest at peak. Dry bean harvest winding down. Potato harvest continued in Upstate areas. Vegetable harvest limited to few late season crops. Producers grading, packing onions. Grape, apple harvest near completion. Cider making active. Orchard clean-up underway.

**NORTH CAROLINA:** Days suitable for fieldwork 4.5. Soil moisture 2% very short, 6% short, 77% adequate, 15% surplus. Continuing rain hampered field activities for the week. Small grain planting, most harvesting operations are proceeding or were completed on schedule, with cotton being the only major exception. Cotton continues to proceed about 2 weeks behind normal. Activities for the week included: Harvesting corn, cotton, sorghum, soybeans, sweet potatoes; digging, harvesting peanuts; cutting, baling hay; planting small grains; planting cover crops; maintaining pastures; tending livestock; repairing equipment.

**NORTH DAKOTA:** Days suitable for fieldwork 5. Topsoil 12% very short, 26% short, 54% adequate, 8% surplus. Subsoil 12% very short, 33% short, 48% adequate, 7% surplus. Row crop harvest, fieldwork delayed as snow, rain storms hit during the weekend. Soil

moisture supplies remained relatively the same as last week. Producers continued to make excellent progress on corn, sunflower harvest, while sugarbeet harvest neared completion. Corn for grain 88% harvested, 83% 1996, 72% avg. Sugar beets 98% lifted, 100% 1996, 99% avg. Sunflower 93% harvested, 89% 1996, 77% avg. Pasture feed deteriorated slightly to 16% very poor, 35% poor, 32% fair, 17% good. Combining, fall tillage, chemical applications were major activities of the week.

**OHIO:** Days suitable for fieldwork 5.0. Topsoil 5% very short, 22% short, 70% adequate, 3% surplus. Corn harvested for grain a little over 3 days ahead of 1996; harvested for silage 93%, 96% 1996, 98% avg. Soybeans harvested 5 days ahead of the avg. Winter wheat seeded 3 days ahead of the avg.; emerged about 3 days behind avg. Tobacco 9% stripped. Fall, winter apples 89% harvested. Grapes 94% harvested. Hay 1% very poor, 11% poor, 38% fair, 45% good, 5% excellent. Activities: Corn drying; hauling, binning grain; baling corn stalks, hay; chopping, discing corn stocks; soil sampling; applying anhydrous ammonia, lime, fertilizer; hauling, spreading manure; fall tillage; tiling; equipment buying, repairing; Christmas, ornamental tree harvesting; firewood cutting; cider pressing.

**OKLAHOMA:** Days suitable for fieldwork 4.9. Topsoil 5% short, 91% adequate, 4% surplus. Subsoil 1% very short, 7% short, 90% adequate, 2% surplus. Most areas received little or no rain. Row crop harvest accelerated west, northeast. Oats 76% planted, 71% 1996, 70% avg.; 49% up to stand, 33% 1996, 44% avg. Soybeans 60% harvested, 61% 1996, 56% avg. Peanuts 96% mature, 97% 1996, 93% avg.; 65% combined, 69% 1996. Alfalfa hay 60% 5th cutting, 70% 1996, 76% avg.; 16% 6th cutting, 19% 1996, 12% avg. All other hay 83% 2nd cutting, 100% 1996, 100% avg. Livestock 4% poor, 27% fair, 65% good, 4% excellent. Feeder steer prices down several dollars cwt.

**OREGON:** Days suitable for fieldwork 6.2. Topsoil 21% short, 76% adequate, 3% surplus. Subsoil 22% short, 78% adequate. Winter wheat 15% fair, 83% good, 2% excellent; planted 93%, 93% 1996, 87% avg.; emerged 70%, 73% 1996, 64% avg. Activities: Rain stopped fieldwork, helped grains already planted on west. Grass seed, wheat still being planted. Spot spraying for rye grass in tall fescue grass seed fields reported. Field corn harvest, final grass silage harvest completed. Seeding nearing finish point on east side, weed spraying started in Mid-Columbia area. Container movement at nurseries very active, while field digging slowed due to rains. Some nurseries started early bare-root plant lifting. Greenhouses busy with winter plants, preparing for early spring flowers. Easter lily harvest, planting completed. Vegetable harvest completed in most areas. Pumpkins, winter squash still available in Willamette Valley, growers topping onions. Eastern regions onion, potato harvest nearing completion. Potato yields reported above average good internal quality. Willamette Valley canberries, blueberries being prepared for winter, grapes harvested, transporting hazelnuts, walnuts for processing. Fall apples, Asian pears, kiwi harvests winding down. Rogue River Valley apples still being picked, grape harvest winding down, hazelnuts, walnuts started to drop. South coast cranberry harvest nearing completion, growers pruning. Milton-Freewater Fuji apples still being harvested. Livestock condition good to excellent across State. Western counties, pastures growth continued, nearly grazed off in some areas. Eastern counties, cattle movement off ranges, weaning continued.

**PENNSYLVANIA:** Days suitable for fieldwork 5.0. Soil moisture 7% very short, 40% short, 48% adequate, 5% surplus. Good week for fieldwork. Ensilage corn harvest 95% complete, 95% 1996, 95% avg. Soybean harvest 55% complete, 33% 1996, 49% avg. Potato harvest 93% complete, 89% 1996, 94% avg. Fall plowing 84% complete, 78% 1996, 82% avg. Wheat planted 90% complete, 85% 1996, 90% avg.; emerged 70% complete, 62% 1996, 66% avg.

Barley emerged 82% complete, 84% 1996, 82% avg. Alfalfa 4th cutting 83% complete, 81% 1996, 80% avg. Quality of hay made 2% very poor, 20% poor, 40% fair, 35% good, 3% excellent. Apple harvest 86% complete, 90% 1996, 91% avg. Activities: Making hay and haylage; harvesting corn, corn silage, potatoes, soybeans; seeding wheat; plowing fields; cleaning, repairing and storing machinery; hauling manure; caring for livestock.

**SOUTH CAROLINA:** Days suitable for fieldwork 4.4. Soil moisture 1% short, 73% adequate, 26% excellent. Apples 97% harvested, 98% 1996, 94% avg.; 46% fair, 54% good. Barley 85% planted, 58% 1996, 53% avg.; 68% emerged, 43% 1996, 38% avg.; 3% fair, 62% good, 35% excellent. Oats 68% planted, 57% 1996, 57% avg.; 51% emerged, 41% 1996, 42% avg.; 1% poor, 24% fair, 62% good, 13% excellent. Pecans 43% harvested, 42% 1996; 68% fair, 32% good. Rye 72% planted, 60% 1996, 56% avg.; 56% emerged, 51% 1996, 44% avg.; 39% fair, 54% good, 7% excellent. Sorghum 90% harvested, 92% 1996, 74% avg.; 1% very poor, 13% poor, 42% fair, 43% good, 1% excellent. Sweet potatoes 90% harvested, 62% 1996, 63% avg.; 1% poor, 37% fair, 61% good, 1% excellent. Winter grazings 83% planted, 78% 1996, 76% avg.; 65% emerged, 63% 1996, 59% avg.; 2% very poor, 4% poor, 33% fair, 56% good, 5% excellent. Winter wheat 38% planted, 18% 1996, 15% avg.; 28% emerged, 10% 1996, 8% avg.; 1% poor, 12% fair, 83% good, 4% excellent.

**SOUTH DAKOTA:** Days suitable for fieldwork 5.9. Topsoil 10% short, 86% adequate, 4% surplus. Subsoil 1% very short, 7% short, 86% adequate, 6% surplus. Stock water 3% short, 89% adequate, 8% surplus. Major activities: Harvesting row crops for grain, fall tilling, servicing machinery for storage, moving hay and livestock, weaning calves. Winter rye 21% fair, 39% good, 40% excellent. Livestock 7% fair, 71% good, 22% excellent. Sunflower 90% harvested, 89% 1996, 81% avg.

**TENNESSEE:** Days suitable for fieldwork 4.5. Topsoil 1% very short, 10% short, 80% adequate, 9% surplus. Subsoil 1% very short, 15% short, 75% adequate, 9% surplus. Tobacco 41% burley stripped, 43% 1996, 44% avg. Winter wheat 63% seeded, 62% 1996, 62% avg. Pasture feed 1% very poor, 11% poor, 33% fair, 48% good, 7% excellent. Cattle 4% poor, 26% fair, 61% good, 9% excellent. Thanks to cool, dry weather early in the week, fall harvest picked up momentum, on schedule and headed for a successful ending. Rainfall, however, moved through State close to the weekend, will hold up further fieldwork for two or three days. Currently, half of the soybean crop has been harvested, about three fourths of the cotton acreage has been picked. Progress rate is about normal for this time. Soybean growers are particularly pleased with this pace as it is a full 10 days ahead of last year's rain delayed rate. Most of the State has reported receiving a killing frost, which should further accelerate harvest. Other fieldwork included tobacco stripping and wheat seeding. Winter wheat seeding progressed at a normal rate. Rain will aid plant germination. Wheat crop is up to a good stand, is reported in good condition. Increased moisture has also helped improve pastures, cattle conditions.

**TEXAS:** Many parts Plains, north-central recorded first frost of year with temperatures dipping into 20's early week. The frost helped dry down remaining sorghum fields, increased leaf drop on cotton plants. By midweek, cool nights, mild days covered State. Rainfall minimal most areas as conditions cleared out behind front. There was some snow, high winds associated with front early week in Plains. High winds central areas helped pecan drop. Livestock suffered some from fast changing conditions. Crops: Progress remained good across High Plains despite cold conditions early week. Most fields providing good grazing. Recent rains helped emerged fields many northern, central areas. However, more moisture needed for continued improvement. Planting continued some areas. Corn: Harvest virtually completed by end week in Plains. Yields on irrigated

fields continued good. Cotton: Harvest full swing in Plains, north-central areas by midweek. The freeze caused big increase in defoliation. Harvest increased Trans-Pecos. A few fields remained for harvest along Upper Coast, recent rain will hurt quality. Grain Sorghum: Harvest full swing fields in Plains, north-central areas by midweek as freezing temperatures allowed fields dry down nicely. Later fields rapidly turned color. Peanuts: Harvest continued on a good crop north-central, Plains by midweek. The freeze may have hurt some fields not yet dug. Harvest continued south-central fields, where yields remained fair to good. Rice: Harvest virtually complete on first cutting along Upper Coast. Any second crop cutting may be at risk from too much rain. Soybeans: Harvest completed many fields in Plains by late week. Drier conditions needed for late fields along Upper Coast. Sugar beets: Harvest increased slightly in High Plains. Cooler temperatures should help improve sugar levels. Twenty-four percent harvested, 30% 1996, 39% avg. Other Crops: Pecans 7% harvested, 15% 1996, 21% avg. Sunflowers 74% harvested, 70% 1996, 69% avg. Oats 68% planted, 80% 1996, 67% avg.

**Commercial Vegetables:** Rio Grande Valley, some irrigation activity continued. However, recent rains have slowed watering needs. Planting continued with emerged fields making good progress. San Antonio-Winter Garden, spinach planting continued. Emerged cabbage fields made good progress during week. A few more watermelons harvested. East, sweet potato harvest winding down most fields. Trans-Pecos, a few bell pepper fields remained for harvest. Pecans: Harvest increased many areas during week. Yields continued good. However, quality down some groves. High winds associated with early-week front helped harvest activity some areas.

**Range and Livestock:** Winter ranges, pastures most areas continued show improvement with milder, wetter conditions. Small grain pastures in Plains providing good forage. The sudden change in conditions early week caused some feeding problems in High Plains. Supplemental feeding activity remained steady. Markets remained steady most areas.

**UTAH:** Days suitable for fieldwork 6. Topsoil 1% very short, 15% short, 83% adequate, 1% surplus. Subsoil 1% very short, 13% short, 84% adequate, 2% surplus. Winter wheat emerged 93%, 93% 1996, 81% avg. Corn harvested for grain 76%, 83% 1996, 67% avg. Alfalfa hay 4th cutting 91%, 97% 1996, 99% avg. Major farm, ranch activities were harvesting hay, corn for grain.

**VIRGINIA:** Days suitable for fieldwork 4.4. Topsoil 2% very short, 13% short, 68% adequate, 17% surplus. Subsoil 8% very short, 35% short, 55% adequate, 2% surplus. Corn 97% mature, 100% 1996, 100% avg.; 78% harvested, 79% 1996, 83% avg.; 99% corn silage harvested, 99% 1996, 100% avg. Soybeans 93% dropping leaves; 26% harvested, 24% 1996, 29% avg.; 11% very poor, 27% poor, 35% fair, 25% good, 2% excellent. Cotton 34% harvested, 39% 1996, 42% avg. Fall apples 97% harvested, 100% 1996, 98% avg. Winter apples 87% harvested, 82% 1996, 82% avg. Flue tobacco 99% harvested, 100% 1996, 100% avg. Peanuts 98% dug, 97% 1996, 97% avg.; 93% combined, 88% 1996, 92% avg. Barley 79% seeded, 84% 1996, 81% avg. Winter wheat 41% seeded, 34% 1996, 44% avg. Pasture feed 8% very poor, 20% poor, 40% fair, 30% good, 2% excellent. Livestock 3% poor, 29% fair, 63% good, 5% excellent. Scattered showers were received by most localities over the weekend. Additional rains have caused some delay in fall planting, harvesting due to wet field conditions. Fall hay harvest was hindered in some localities from recent rains. Producers in drier localities were able to get their small grains seeded as field conditions

improved. Peanut harvest is running slightly ahead of last year, 5-year average. Grain corn harvest remain behind last year, 5-year average due to the overall late crop season. Some acres replanted in June were subject to earlier frost damage. Vegetable producers on the Eastern Shore continue harvesting snap beans, cucumbers, tomatoes, peppers, sweet potatoes, pumpkins. Other activities include tobacco curing, stripping, marketing.

**WASHINGTON:** Days suitable for fieldwork 3.5. Topsoil 60% adequate, 40% surplus. Subsoil 3% short, 92% adequate, 5% surplus. Winter wheat 99% planted, 99% 1996, 97% avg.; 97% emerged, 93% 1996, 85% avg. Heavy rains in western area stopped all fieldwork. Winter wheat planting was essentially completed. Emergence looked good, conditions were reported as generally good throughout the State. Corn 100% good. Corn for grain 33% harvested, 20% 1996, 45% avg. Corn silage 100% harvested, 99% 1996, 99% avg. Potatoes 10% fair, 90% good. Potatoes 99% harvested, 97% 1996, 94% avg. Dry beans 100% good; 99% harvested, 100% 1996, 99% avg. Hay, other roughage supplies 10% short, 80% adequate, 10% surplus. Range, pasture feed 5% very poor, 10% poor, 50% fair, 35% good. Western areas pastures were saturated, mud was becoming a problem. East of the Cascade mountain range, pastures were in good condition relative to the time of year. Weaning, branding of the spring calf crop was completed. Central areas wine grape, apple harvests were nearly complete. Concord grape harvest continued. Rain delayed many activities, including carrot seed harvest, tillage operations. General preparations for winter continued to be the main activity throughout the State. Western areas reported the fall colors were at their height. Christmas tree growers began harvest for commercial orders.

**WEST VIRGINIA:** Days suitable for fieldwork 4.4. Topsoil 4% very short, 19% short, 77% adequate. Corn 14% poor, 38% fair, 48% good; 62% harvested grain, 47% 1996, 72% avg. Soybeans 11% poor, 46% fair, 43% good; 65% harvested grain, 35% 1996, 60% avg. Winter wheat 63% fair, 37% good; 67% planted, 89% 1996, 77% avg. Cattle 23% fair, 73% good, 4% excellent. Sheep 33% fair, 65% good, 2% excellent. Activities: Harvesting corn, pasture clipping, winter wheat planting, marketing livestock, vaccination of cattle and calves, general maintenance.

**WISCONSIN:** Days suitable for fieldwork 5.4. Soil moisture 1% very short, 21% short, 72% adequate, 6%. Corn moisture varied greatly in the same field. Ninety-seven-day corn with moisture from 24 to 29%. Soybean harvest 97% complete, 89% 1996, 86% avg. Any soybean fields left around may have been too weedy to harvest earlier. Some farmers were making soy-stubble bales for bedding. Grant, Fond du Lac, Wood, Waukesha, Jackson, Buffalo Counties noted some hay supply shortages. Cranberry crop in Jackson County showed good yields. Christmas tree harvest has begun. Other activities on the farm included machinery maintenance, manure hauling, chisel plowing, grain drying. Lincoln County observed a good apple crop. Fall tillage 32% complete, 34% 1996, 39% avg. Pasture feed 12% poor, 37% fair, 46% good, 5% excellent.

**WYOMING:** Days suitable for fieldwork 5.2. Topsoil 1% very short, 11% short, 83% adequate, 5% surplus. Corn for grain harvested 36%, 79% 1996, 64% avg. Sugar beets harvested 97%, 98% 1996, 95% avg. Winter wheat 10% fair, 74% good, 16% excellent. Range, pasture feed 2% very poor, 4% poor, 9% fair, 79% good, 6% excellent. Hay, roughage supplies 4% short, 91% adequate, 5% surplus.

**International Weather and Crop Summary**

October 26 - November 1, 1997

**HIGHLIGHTS**

**FSU-WESTERN:** Unseasonably cold weather induced dormancy in winter grains in the north and halted further establishment of winter grains in the south.

**EUROPE:** Unseasonably cold weather prevailed over most of the continent, slowing winter wheat development in the west and causing winter grains in the northeast to slip into dormancy.

**NORTHWESTERN AFRICA:** Widespread rain in Algeria and Tunisia may have prompted early winter grain planting.

**AUSTRALIA:** Widespread, locally heavy rain soaked the southeastern winter grain belt, benefiting immature wheat and barley.

**SOUTH ASIA:** Unseasonable rain continued over much of India, benefiting newly planted winter grains and oilseeds but possibly affecting summer crop quality.

**SOUTH AFRICA:** Dry weather continued throughout the corn belt, favoring fieldwork in northern and eastern corn areas that have adequate moisture for germination.

**SOUTHEAST ASIA:** Dry weather returned to Java, as the drought continued to delay main-season rice planting.

**EASTERN ASIA:** Seasonably cool, dry weather prevailed across the North China Plain, aiding summer crop harvesting.

**SOUTH AMERICA:** In central Argentina, rain boosted topsoil moisture for summer crop planting and reproductive winter wheat.

**MEXICO:** Mostly warm, dry weather favored corn maturation and harvesting.

**October 1997**

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

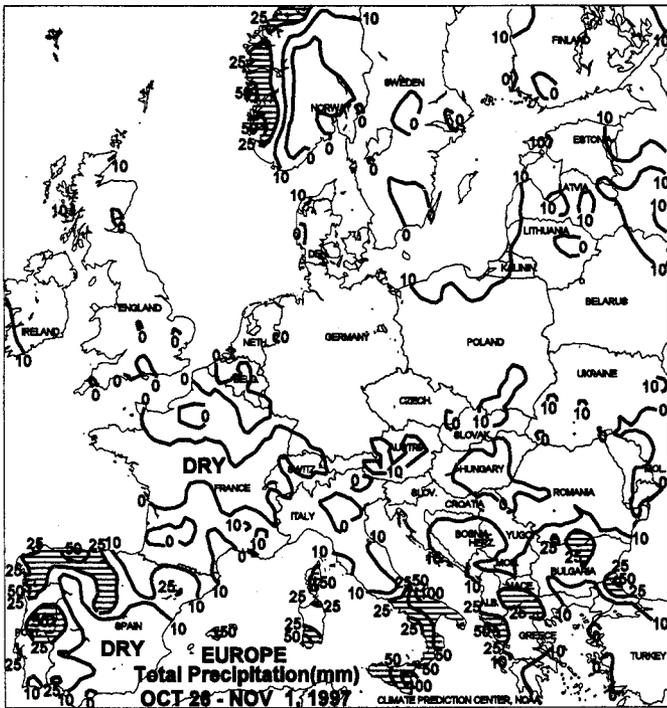
COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
	AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	D PART F/NRM	TOTAL	D PART F/NRM
NORWAY OSLO	7	0	15	-8	4	-0.8	75	-25
SWEDEN STOCKHOLM	8	2	15	-5	5	-2.8	44	-6
FINLAND HELSINKI	8	0	12	-6	3	-2.2	60	-13
UKINGDDO GLASGOW	13	8	18	-6	9	-0.4	80	-50
EDINBURGH	14	8	20	-5	10	0.1	44	-22
BIRMINGHAM	14	5	22	-7	10	-0.5	55	4
LONDON	16	8	26	-6	11	0.1	78	4
IRELAND DUBLIN	14	8	19	1	11	0.1	69	-2
ICELAND REYKJAVIK	7	4	11	-2	6	1.3	123	37
DENMARK COPENHAGEN	11	5	17	-4	8	-1.5	78	19
LUXEMBO LUXEMBOURG	13	8	23	-3	9	-0.1	63	-13
SWITZERL ZURICH	13	7	24	-4	10	0.2	77	7
GENEVA	15	8	24	-4	11	1.1	61	-13
FRANCE PARIS/ORLY	16	7	26	-3	12	***	41	***
STRASBOURG	15	8	26	-3	10	0.2	33	-10
BOURGES	17	8	27	-5	12	0.8	50	-9
BORDEAUX	21	11	32	-3	16	2.6	35	-53
TOULOUSE	21	12	30	-1	16	2.5	18	-33
MARSEILLE	22	13	30	1	18	2.2	56	-22
SPAIN VALLADOLID	21	11	28	1	16	2.8	43	7
MADRID	23	11	31	-1	17	2.6	19	-35
SEVILLE	27	17	33	4	22	1.9	44	-22
PORTUGA LISBON	23	17	31	10	20	1.6	230	154
GERMANY HAMBURG	12	5	20	-7	9	-1.2	65	2
BERLIN	***	***	23	1	***	***	***	***
DUSSELDORF	14	7	23	-6	10	0.0	71	19
LEIPZIG	12	5	25	-5	9	-0.8	34	-10
DRESDEN	11	5	22	-6	8	-1.2	47	-5
STUTT GART	13	5	25	-4	9	-0.5	45	4
NURNBERG	12	5	24	-5	8	-0.6	63	18
AUSTRIA VIENNA	13	4	23	-9	8	-1.4	23	-27
INNSBRUCK	14	5	25	-6	10	0.3	72	20
CZECHRE PRAGUE	11	3	22	-7	7	-1.7	22	-8
POLAND WARSAW	10	3	20	-8	6	-2.2	55	17
LODZ	10	3	24	-4	6	-1.6	54	15
KATOWICE	10	4	21	-6	7	-0.9	66	14
PRZEMYSL	10	3	22	-5	6	-2.6	81	39
HUNGARY BUDAPEST	14	4	26	-7	9	-2.0	9	-24
YUGOSLA BELGRADE	15	6	26	-5	10	-2.2	85	43
ROMANIA BUCHAREST	16	3	30	-8	10	-1.8	94	64
BULGARIA SOFIA	14	4	29	-4	9	-1.5	85	46
ITALY MILAN	21	11	30	-1	16	3.0	24	-81
VERONA	19	10	26	-2	14	1.0	9	-68
VENICE	18	10	25	-1	14	0.2	3	-67
GENOA	21	16	28	7	18	0.7	200	28
ROME	23	12	34	6	17	0.1	138	46
NAPLES	22	13	28	6	18	1.3	68	-62
GREECE THESSALONIKA	19	10	27	2	14	-1.9	77	37
LARISSA	20	9	30	1	14	-1.9	50	3
ATHENS	22	15	28	8	18	-0.9	34	-25
TURKEY ISTANBUL	18	12	27	6	15	-0.2	263	219
ANKARA	18	6	27	-2	12	0.0	68	50
CYPRUS LARNACA	27	17	32	13	22	0.4	44	19
ESTONIA TALLINN	7	2	13	-5	4	-2.0	95	30
LITHUANI KAUJAS	9	4	16	-5	6	-0.9	72	23
BELARUS MINSK	8	3	19	-9	5	-0.9	89	41
RUSSIA KAZAN	7	2	16	-7	5	1.3	152	107
MOSCOW	6	2	16	-6	4	-0.9	169	114
YEKATERINBURG	9	3	23	-6	6	4.4	110	69
OMSK	13	2	22	-5	8	5.8	39	8
NOVOSIBIRSK	11	3	23	-6	7	6.0	31	0
BARNAUL	14	2	27	-6	8	5.8	10	-40
KHABAROVSK	7	-1	23	-7	3	-1.2	77	32
VLADIVOSTOK	10	5	19	-4	7	-0.6	46	-8
SARATOV	10	4	22	-7	7	2.2	76	45
VOLGOGRAD	12	5	26	-5	9	1.3	84	54
ASTRAKHAN	18	8	28	-1	13	3.7	46	31
KRASNODAR	17	8	30	0	12	1.2	185	149
ORENBURG	14	5	27	-7	9	4.6	55	14
KAZAKHS TSELINOGRAD	17	4	26	-2	11	6.0	21	-9

Based on Preliminary Reports

October 1997

COUNTRY CITY	TEMPERATURE (C)						PRECIPITATION (MM)		COUNTRY CITY	TEMPERATURE (C)						PRECIPITATION (MM)	
	AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
GEORGIA KARAGANDA	18	4	27	-2	11	7.9	25	-10	ZIMBABW HARARE	27	15	33	10	21	0.0	44	8
UZBEKIST TASHKENT	22	11	28	5	17	3.1	57	17	S AFRICA PRETORIA	27	15	34	8	21	0.8	18	-58
TURKMENI ASHKHABAD	28	14	38	10	21	5.3	13	-1	JOHANNESBURG	23	11	30	4	17	0.6	33	-42
SYRIA DAMASCUS	28	10	38	5	19	0.8	19	7	BETHAL	22	9	31	2	16	-1.7	90	14
ISRAEL JERUSALEM	26	15	34	9	20	0.9	30	0	DURBAN	24	17	33	14	21	0.4	152	53
PAKISTAN KARACHI	32	23	37	20	28	-0.2	12	12	CAPE TOWN	24	11	34	5	18	1.9	16	-17
INDIA AMRITSAR	28	16	32	12	22	-2.4	63	48	CANADA TORONTO	15	4	26	-3	10	0.6	25	-38
NEW DELHI	29	19	33	14	24	-2.5	55	39	MONTREAL	13	3	24	-5	8	-0.3	38	-38
AHMEDABAD	34	22	37	18	28	-0.8	1	-16	WINNIPEG	10	0	27	-12	5	-0.5	109	79
INDORE	32	17	35	-8	25	-0.1	26	-15	REGINA	11	-1	30	-10	5	-0.5	33	13
CALCUTTA	32	23	34	20	27	-0.4	24	-108	SASKATOON	10	-2	27	-10	4	-0.8	22	6
VERAVAL	34	24	36	21	29	1.1	0	-14	LETHBRIDGE	13	1	29	-9	7	-0.6	23	7
BOMBAY	34	24	37	21	29	1.1	0	-117	CALGARY	11	-1	24	-8	5	-0.8	3	-12
POONA	32	19	35	17	25	0.4	29	-37	EDMONTON	8	0	19	-8	4	-1.8	27	9
BEGAMPET	31	21	33	19	26	0.6	34	-59	VANCOUVER	13	8	19	1	11	0.5	159	44
VISHAKHAPATNAM	31	25	32	22	28	***	118	***	MEXICO GUADALAJARA	***	***	25	9	***	***	***	***
MADRAS	32	25	34	23	28	0.3	225	-58	MEXICO CITY	23	12	28	5	17	2.4	36	2
MANGALORE	32	24	35	22	28	1.2	59	-147	ACAPULCO	***	***	34	23	***	***	525	386
HONGKO KINGS PEAK	28	24	31	18	26	***	124	***	BERMUDA ST. GEORGES	25	22	29	18	23	-1.1	18	-144
N KOREA PYONGYANG	***	***	22	-6	***	***	10	-42	BAHAMAS NASSAU	30	23	32	16	26	0.5	32	-142
S KOREA SEOUL	19	9	26	-2	14	0.6	42	-7	JAMAICA KINGSTON	32	26	35	24	29	1.3	44	-119
JAPAN SAPPORO	15	7	21	1	11	0.5	86	-29	P RICO SAN JUAN	31	25	33	23	28	0.2	66	-78
NAGOYA	22	13	28	5	18	0.4	11	-106	GUADELO RAIZET	32	24	34	22	28	1.6	95	-51
TOKYO	23	15	27	10	19	1.3	20	-145	MARTINIQ LAMENTIN	32	25	33	23	28	1.9	133	-110
YOKOHAMA	22	15	26	10	19	1.5	7	-180	BARBADO BRIDGETOWN	31	25	32	24	28	0.7	96	-70
KYOTO	23	13	28	8	18	0.7	14	-104	TRINIDAD PORT OF SPAIN	33	25	36	23	29	2.3	98	-94
OSAKA	23	14	27	9	19	0.4	28	-82	COLOMBI BOGOTA	21	7	23	3	14	1.0	54	-82
THAILAND PHETCHABUN	33	24	35	22	28	1.2	149	54	VENEZUE CARACAS	***	***	35	23	***	***	***	***
BANGKOK	33	26	36	24	29	1.3	219	-19	F GUIANA CAYENNE	33	23	34	21	28	1.4	9	-70
MALAYSIA KUALA LUMPUR	33	24	34	22	28	1.8	355	83	BRAZIL FORTALEZA	***	***	31	23	***	***	***	***
VIETNAM HANOI	30	24	33	19	27	2.1	173	74	RECIFE	***	***	30	19	***	***	***	***
CHINA HARBIN	9	0	22	-8	4	-1.0	25	3	BELO HORIZONTE	***	***	33	15	***	***	***	***
HAMI	22	2	27	-6	12	1.6	0	-2	CAMPO GRANDE	***	***	28	15	***	***	***	***
LANCHOW	19	5	24	-4	12	2.2	0	-24	FRANCA	***	***	33	16	***	***	***	***
BEIJING	20	8	29	0	14	1.2	44	26	LONDRINA	***	***	34	12	***	***	***	***
TIENTSIN	21	8	30	0	14	-0.2	12	-9	SANTA	***	***	***	28	7	***	***	***
LHASA	14	1	18	-3	8	-1.5	2	-7	PORTO	***	***	***	28	11	***	***	***
KUNMING	21	12	25	7	17	1.5	82	-3	PERU LIMA	***	24	19	25	16	21.0	3.5	0
CHENGCHOW	24	10	30	1	17	2.3	2	-46	BOLIVIA LA PAZ	***	***	19	-5	***	***	***	***
YEHCHANG	24	15	32	9	20	1.7	49	-36	CHILE SANTIAGO	19	8	26	2	14	-0.6	77	65
HANKOW	25	16	31	8	21	3.2	48	-40	ARGENTIN IGUAZU	27	18	33	10	23	***	230	***
CHUNGKING	21	16	27	10	18	***	66	***	FORMOSA	29	19	39	13	24	1.7	65	-54
CHIHKIANG	22	15	29	8	18	0.5	186	82	CERES	27	14	39	7	20	0.6	84	13
WU HU	24	14	31	6	19	***	47	***	CORDOBA	23	12	36	6	18	-0.6	135	63
SHANGHAI	23	17	30	10	20	***	14	***	RIO CUARTO	21	12	30	7	17	-0.3	87	9
NANCHANG	24	17	30	9	21	1.1	23	-34	ROSARIO	23	13	35	5	18	0.8	84	-7
TAIPEI	27	23	32	20	25	1.4	37	-85	BUENOS AIRES	21	12	32	6	16	0.5	69	-39
CANTON	29	22	32	15	25	1.2	141	62	SANTA ROSA	21	10	29	4	15	-0.6	108	38
NANNING	29	22	32	15	26	1.9	25	-46	TRES ARROYOS	19	8	27	1	14	0.3	55	-28
CANARY I LAS PALMAS	27	21	29	19	24	1.4	16	4	NEW NOUMEA	25	19	28	16	22	-0.3	64	11
MOROCC CASABLANCA	25	18	31	13	22	2.4	36	5	FIJI NAUSORI	27	22	32	16	24	0.0	183	-28
MARRAKECH	29	17	34	13	23	1.5	26	2	SAMOA PAGO PAGO	30	27	33	21	***	***	38	-235
ALGERIA ALGER	27	16	35	10	21	2.5	53	-53	TAHITI PAPEETE	29	23	32	21	26	0.7	53	-38
BATNA	22	11	29	5	16	1.3	62	33	AUSTRALI DARWIN	32	25	34	23	29	-0.3	38	-40
TUNISIA TUNIS	26	17	33	11	22	1.4	59	-7	BRISBANE	24	15	28	11	19	-1.3	120	15
NIGER NIAMEY	39	27	41	24	33	2.4	14	3	PERTH	23	11	31	7	17	0.6	32	-15
MALI TIMBUKTU	38	***	43	21	***	***	0	-2	CEDUNA	22	10	37	5	16	-1.1	29	8
BAMAOKO	34	22	38	20	28	0.5	34	-33	ADELAIDE	20	11	33	5	16	-0.1	93	56
MAURITAN NOUAKHOTT	36	23	42	18	29	0.4	0	-8	MELBOURNE	18	7	32	2	13	-1.1	54	-7
SENEGAL DAKAR	31	26	32	23	28	1.1	1	-34	WAGGA	22	7	32	0	15	0.2	36	-21
CHAGOS DIEGO GARCIA	31	27	33	24	29	1.9	109	-184	CANBERRA	20	6	31	0	13	0.1	23	-38
LIBYA TRIPOLI	28	17	36	12	23	0.4	18	-27	INDONESI DJAKARTA	***	***	37	21	***	***	***	***
BENGHAZI	26	18	34	14	22	-0.5	25	6	PHILIPPI MANILA	***	***	33	25	***	***	***	***
EGYPT CAIRO	29	19	35	16	24	0.5	0	0									
ASWAN	35	22	39	17	28	0.7	2	2									
ETHIOPIA ADDIS ABABA	22	11	24	8	***	***	21	-26									
KENYA NAIROBI	25	15	29	11	20	0.3	80	37									
TANZANIA DAR ES SALAAM	30	21	32	17	25	-0.1	325	258									
GABON LIBREVILLE	***	***	30	22	***	***	***	***									
TOGO LOME	***	24	33	21	***	***	58	-41									
BURKINA OUIAGADOUGOU	36	25	38	21	31	1.8	48	17									
COTE D'I ABIDJAN	31	25	32	22	28	2.1	250	116									
MOZAMBI MAPUTO	***	***	32	14	***	***	73	10									
ZAMBIA LUSAKA	***	***	35	13	***	***	0	-11									

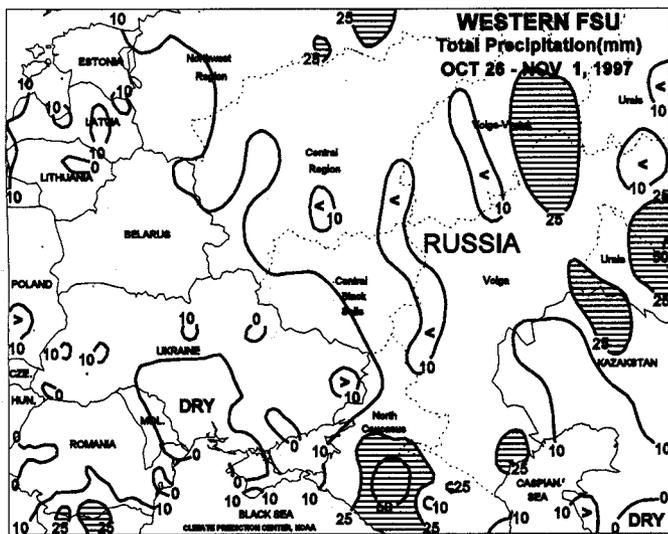
Based on Preliminary Reports



**EUROPE**

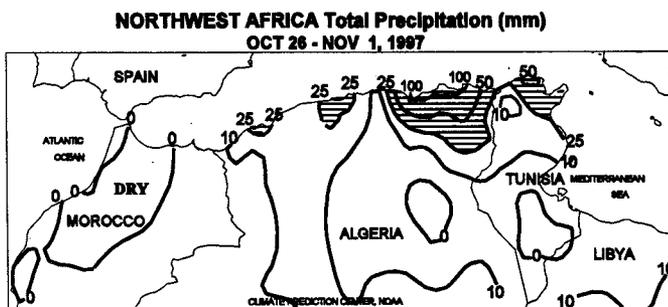
Unseasonably cold weather prevailed over most of the continent. Subfreezing temperatures ended the growing season as far south as the Mediterranean region. Generally dry weather (less than 10 mm) continued to help summer crop harvesting and winter wheat planting in the United Kingdom, France, the Benelux countries, Germany, and Italy's Po Valley. However, unseasonably cold weather (weekly temperatures averaging 2 to 7 degrees C below normal) in these areas slowed winter wheat emergence and plant development. In eastern Europe, unseasonably cold weather stretched from Poland southward through Bulgaria, where weekly temperatures averaged 4 to 9 degrees C below normal. Temperatures were low enough in Poland, the Czech Republic, and Slovakia to cause winter grains to slip into dormancy. Farther south, unusually heavy snow (10-35 mm liquid equivalent) in Bulgaria delayed summer crop harvesting and winter wheat planting. Wet weather in Greece (10-25 mm) slowed cotton harvesting. Elsewhere, unusually heavy rain (25-75 mm, with local amounts in excess of 100 mm) fell over southern Italy, while light to moderate showers (10-25 mm) fell in Portugal and western and northern Spain.

**FSU-WESTERN**



Unseasonably cold weather that prevailed over most of the region was accompanied by snow in the north and mixed rain and snow in the south. The cold weather caused winter grains in northern Russia, Belarus, and the Baltic States to begin entering dormancy at typical dates. Weekly temperatures in these areas averaged 2 to 4 degrees C below normal. Furthermore, extreme minimum temperatures ranged from -4 to -10 degrees C, with temperatures below -10 degrees C observed at scattered locations in northern Russia. Light to moderate snow (7-38 mm liquid equivalent) blanketed winter grains in northern Russia. Farther south, mixed rain and snow (13-50 mm) in southern Russia (lower Volga Valley and the North Caucasus) caused further delays in summer crop harvesting. In Ukraine, unseasonably cold weather halted further establishment of winter grains in most areas. Weekly temperatures averaged 5 to 7 degrees C below normal in Ukraine. The cold weather was accompanied by snow showers in the west and north, causing some delays in corn harvesting. Reports as of October 27 indicated corn harvesting in Ukraine was 34 percent complete. In cotton-growing areas of Central Asia, isolated showers caused only brief delays in harvesting. Unseasonably warm weather continued to prevail over most cotton-growing areas, with weekly temperatures averaging 3 to 7 degrees C above normal.

**NORTHWESTERN AFRICA**

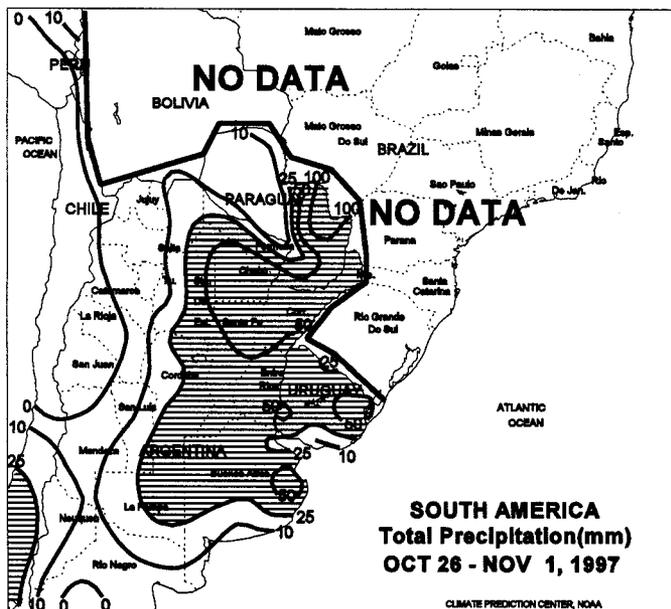


Preparations for winter grain planting were in the early stages over the region. Light to moderate showers (10-47 mm) in Algeria and Tunisia may have prompted some early planting. Most of the crop, however, is usually planted from mid-November to mid-December, when autumn rains become more consistent. Heavy rain (more than 100 mm) fell along coastal areas in northeastern Algeria. Elsewhere, dry weather prevailed over Morocco, where producers likely await the onset of consistent autumn rains before widespread planting can begin.



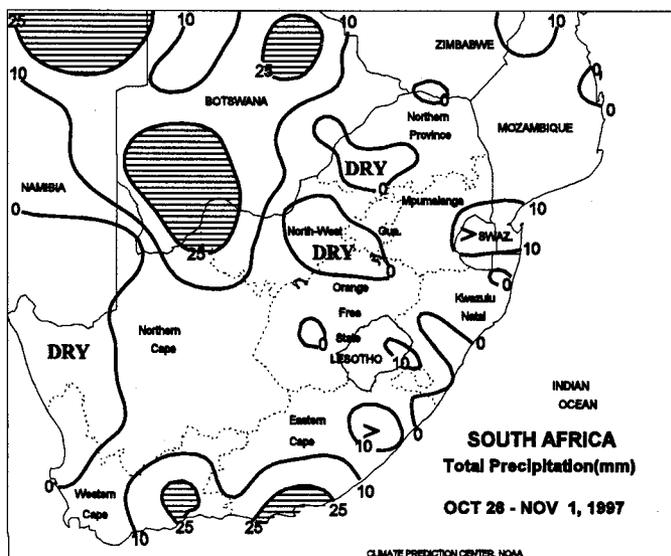
**MEXICO**

Mostly warm, dry weather (less than 10 mm) covered the country, favoring corn harvesting. Temperatures averaged 1 to 3 degrees C above normal across central Mexico. This is the last weekly summary for Mexico until the spring of 1997. Updates will be published as warranted.



**SOUTH AMERICA**

Widespread rain (10-35 mm) covered central Argentina, boosting topsoil moisture for summer crop planting and reproductive winter wheat. Heavier rain (35-75 mm) fell across northern Argentina, boosting moisture supplies for cotton. According to reports as of October 24, sunflower and corn were 27 and 50 percent planted, respectively. Sorghum planting was just beginning, and soybean planting has yet to start. Temperatures averaged 1 to 3 degrees C below normal across Argentina. Based on satellite imagery, due to missing surface observations, midweek showers swept across southern Brazil, as daily scattered showers prevailed in the center-west (Mato Grosso and Goias).

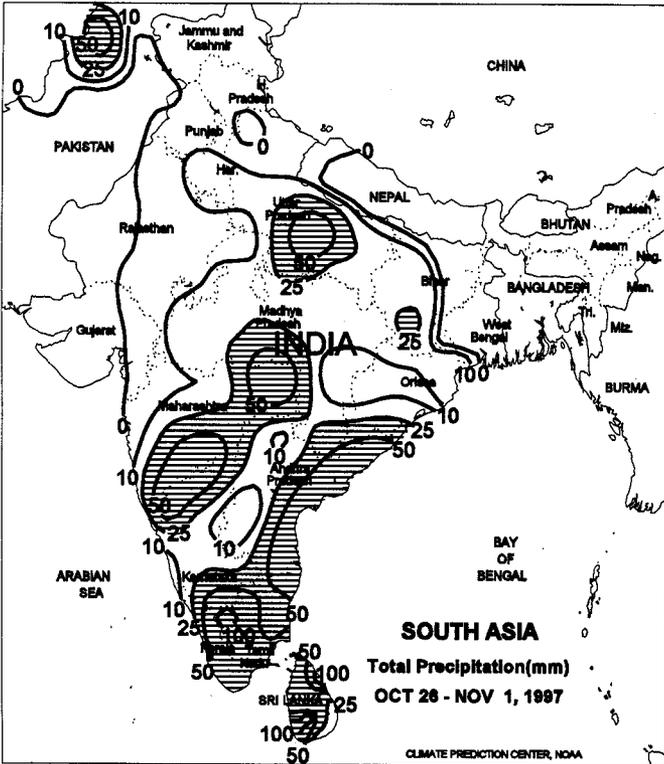


**SOUTH AFRICA**

Dry weather dominated the corn belt. Planting was underway in northern and eastern corn areas, with greatest activity likely in previously wet sections of the northeast. Much of the typically drier southern corn belt awaits rains before planting. Temperatures across the corn belt were seasonable, with highs averaging from the low 20's C in the east to the upper 20's in the west. Although planting traditionally lasts through December, farmers are eager to get their crops in as early as possible. Later-planted crops are at a higher risk of summer heat stress, and this year's forecast of El Niño-related summer drought has been widely publicized. Elsewhere, moderate rain (10-25 mm or more) continued in eastern crop areas of Western Cape, hampering the winter wheat harvest but providing beneficial moisture. Dryness continued in sugarcane areas of Kwazulu-Natal.

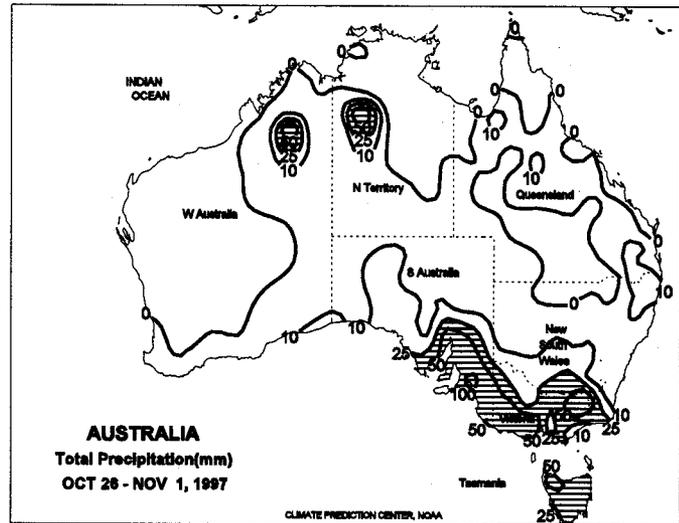
**SOUTH ASIA**

Unseasonable rains (10-25 mm or more) continued throughout India. Across the north, the moisture was overall favorable for newly planted winter grains and oilseeds. However, in central and southern India, the benefits to dry-season agriculture were potentially offset by quality reductions in unharvested summer crops such as cotton. Dry weather in the eastern rice belt favored main season harvest and secondary planting.



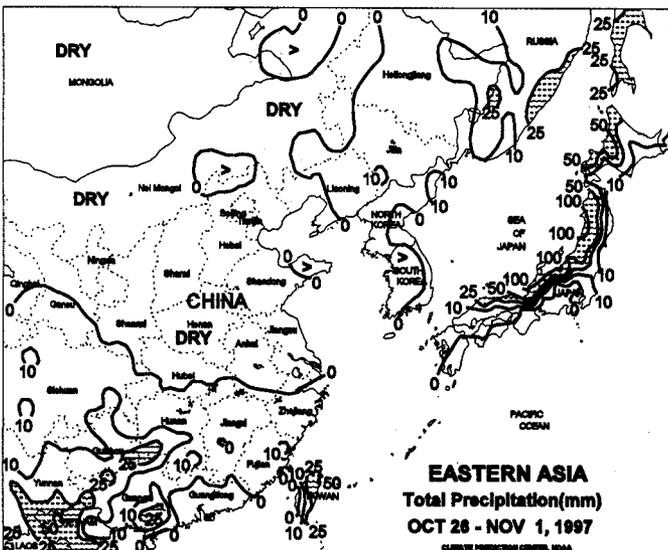
**AUSTRALIA**

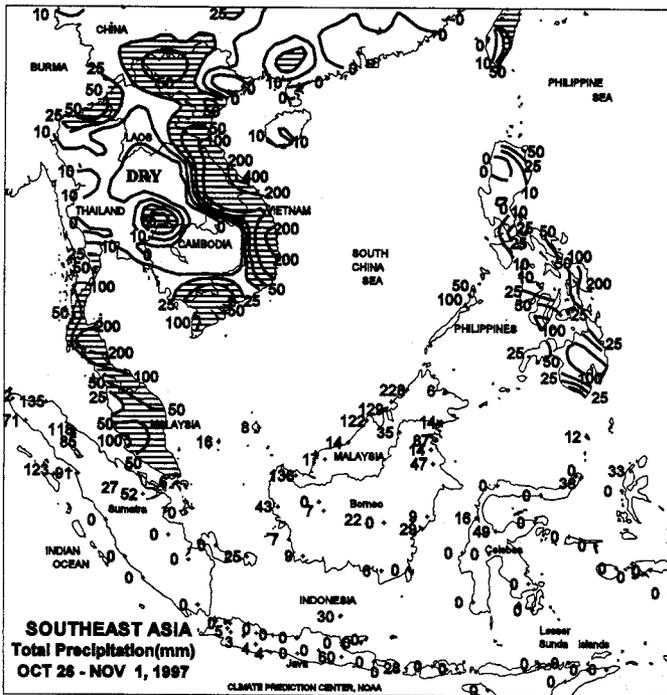
Soaking rains benefited immature wheat and barley across the southeast. Rainfall generally ranged from 10 to 50 mm, with the heaviest rain (50 to over 100 mm) recorded in southeastern South Australia and western Victoria. Warm, dry weather over the past few weeks accelerated development of the more northerly crops, so the greatest benefit will be seen in the traditionally later harvested areas. Farther north, mostly light, scattered showers (15 mm or less) fell in sorghum, cotton, and sugarcane areas of Queensland and New South Wales. The continuing dry pattern aided summer fieldwork but reduced moisture reserves for establishment. Temperatures averaged above normal throughout the east, favoring mature wheat and barley but maintaining high crop moisture demands on immature winter grains and emerged summer crops. Dry, mild weather benefited late-filling winter grains in Western Australia. In New Zealand, rainfall was light (10 mm or less) throughout the main agricultural areas.



**EASTERN ASIA**

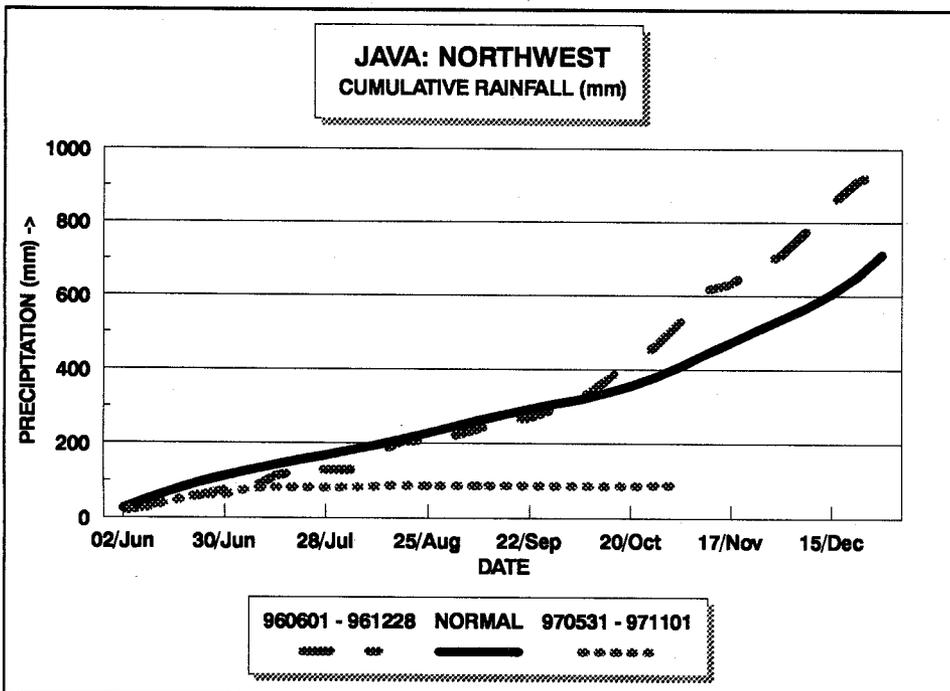
Seasonably dry weather prevailed across the North China Plain, where winter wheat planting and summer crop harvesting is progressing. Moderate rain (10-40 mm) was confined to southwestern China (Yunnan, Guizhou, and Guangxi). Cooler weather (temperatures averaged 2-4 degrees C below normal) dominated the country. Dry weather aided rice and summer crop harvesting across the Korean Peninsula and southern Japan. Moderate to heavy rain (25-100 mm) slowed rice harvesting in northern Japan.





**SOUTHEAST ASIA**

Mostly dry weather (isolated rainfall of 5-50 mm) returned to Java, as drought continued to delay main-season rice planting. Seasonably dry weather favored rice maturation and harvesting across central and northeastern Thailand. Scattered moderate showers (20-70 mm) slowed rice harvesting in northern Thailand and northern Vietnam. Southern Vietnam received moderate to heavy showers (75-125 mm), causing some rice harvesting delays. Widespread heavy showers (75-200 mm) benefited oil palm and plantation crops across peninsular Malaysia and Sarawak (northern Borneo). Moderate to heavy showers (40-100 mm, with isolated amounts greater than 200 mm) favored grains and sugarcane across the southeastern Philippines (Mindanao and the east-central Islands). Light showers (less than 40 mm) were reported across Luzon and the west-central Islands. During the end of the week, Typhoon Linda was approaching extreme southern Vietnam.



**Drought Worsens Across Southern Indonesia**

Drought intensified from southern Sumatra eastward through Java to Timor last week, as negligible rains and above-normal temperatures continued the pattern that has persisted since June. Cumulative rainfall has been less than 25 percent of normal since June in parts of Indonesia, including northwestern Java (see graph to the left). The ongoing El Niño has caused tropical rainfall that normally falls in the western Pacific to fall instead over warmer waters farther east. The result has been one of the worst droughts this century in Indonesia. In Java, where the main season rains typically start in October, the drought is delaying main-season rice planting. Typically, rainfall should increase markedly over the next 2 months in Java, though amounts may very well continue to be below normal through February due to the El Niño.

The *Weekly Weather and Crop Bulletin* is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

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(Continued from page 8)

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	3	27	63	7
CA	0	0	55	45	0
CO	3	7	20	46	24
GA	0	0	28	68	4
ID	0	0	2	89	9
IL	0	3	26	60	11
IN	2	8	37	48	5
KS	0	2	15	68	15
MI	0	3	37	55	5
MO	0	2	31	59	8
MT	7	16	39	37	1
NE	1	6	30	54	9
NC	0	1	17	74	8
OH	2	8	36	49	5
OK	0	1	23	74	2
OR	0	0	10	87	3
SD	0	1	7	63	29
TX	2	7	26	55	10
WA	0	4	23	68	5
ALL	1	4	23	62	10
Prev Wk	1	3	26	60	10
Prev Yr	0	3	26	58	13

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

\* Revised

National crop conditions for selected States are weighted based on 1996 planted acres.

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