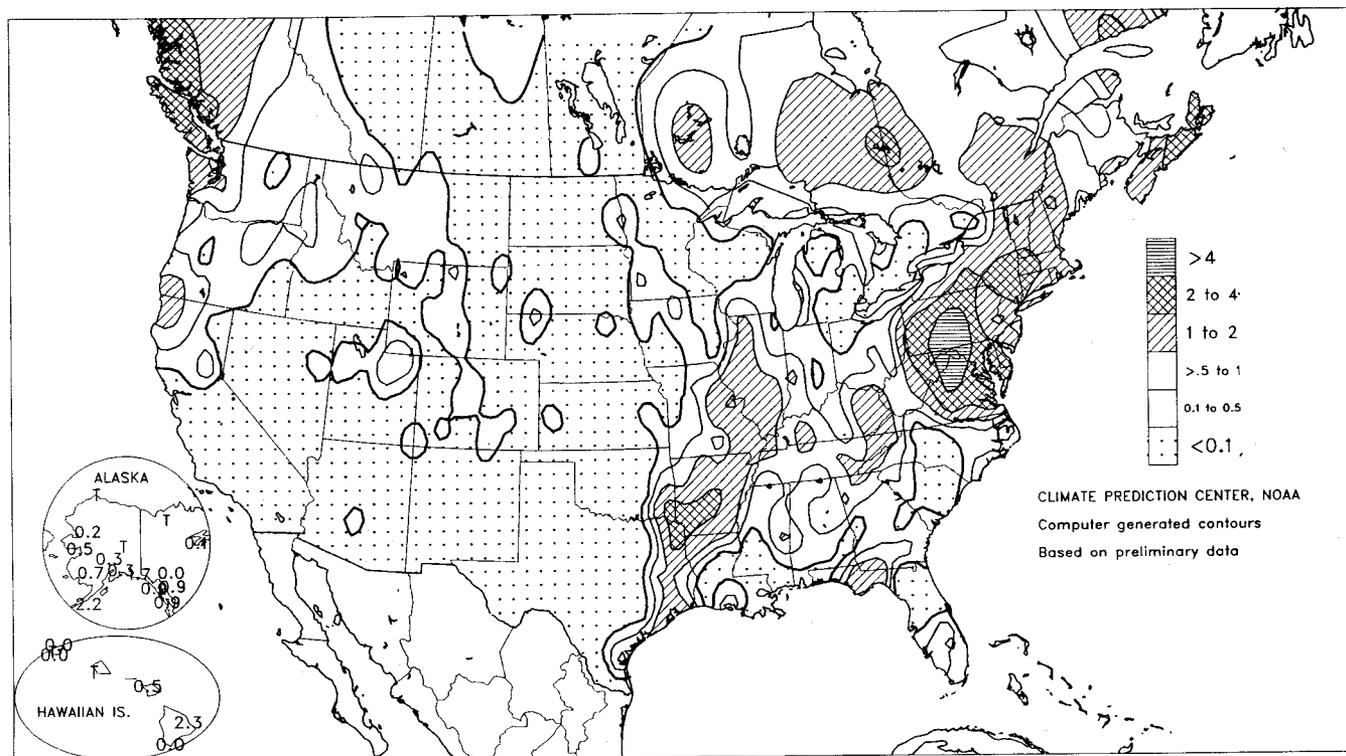


# WEEKLY WEATHER AND CROP BULLETIN

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)  
November 2 - 8, 1997**



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

## HIGHLIGHTS

November 2 - 8, 1997

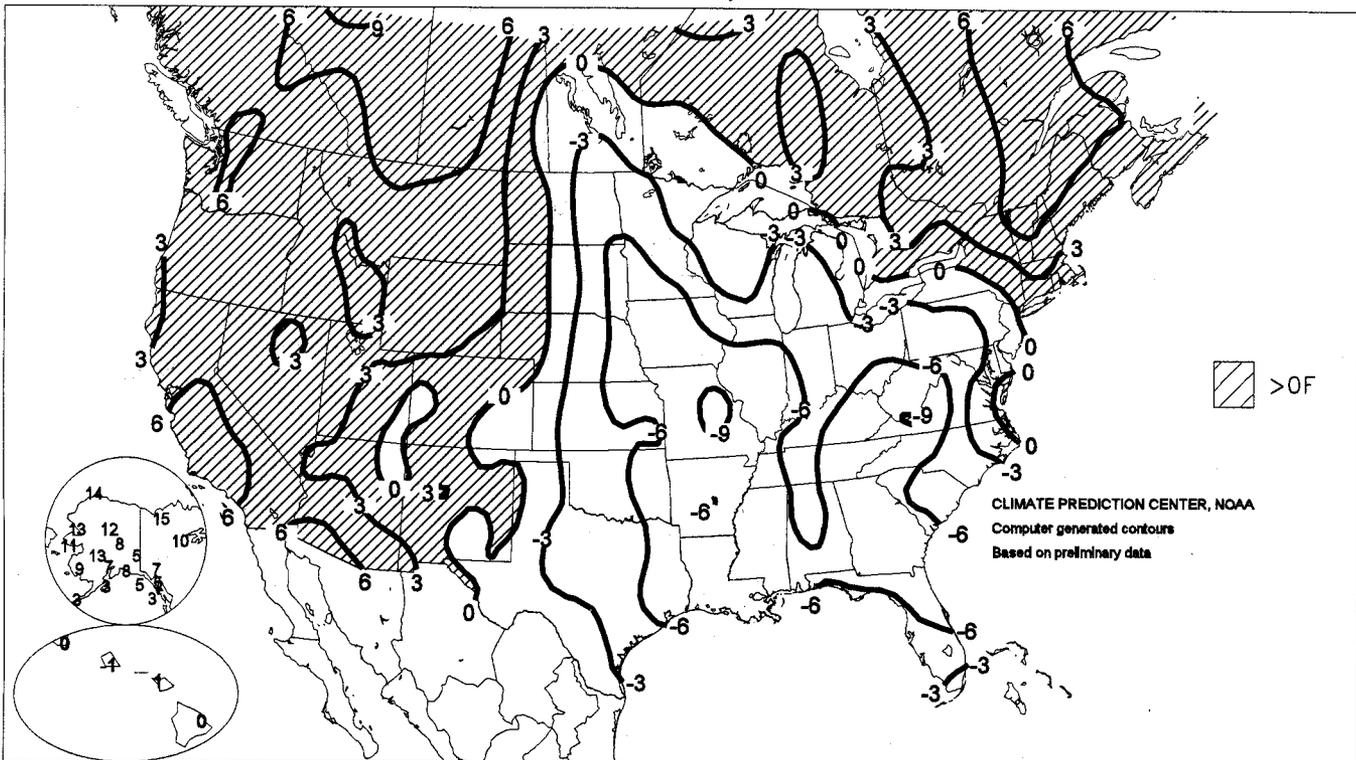
**E**arly- and late-week storms delivered cool, unsettled weather to the **eastern half of the Nation**, while a high-pressure system provided the **West** with warm, dry conditions. The first storm raked the **Midwest** with high winds and light snow, while the latter system dumped excessive rainfall on the **northern Middle Atlantic region**. Weekly temperatures averaged as much as 10°F below normal from the **middle Mississippi Valley** to the **central Appalachians**, but ranged from 3 to 8°F above normal across the **West**. At week's end, cold air began to spill across the **northern Plains**.

*(Continued on page 3)*

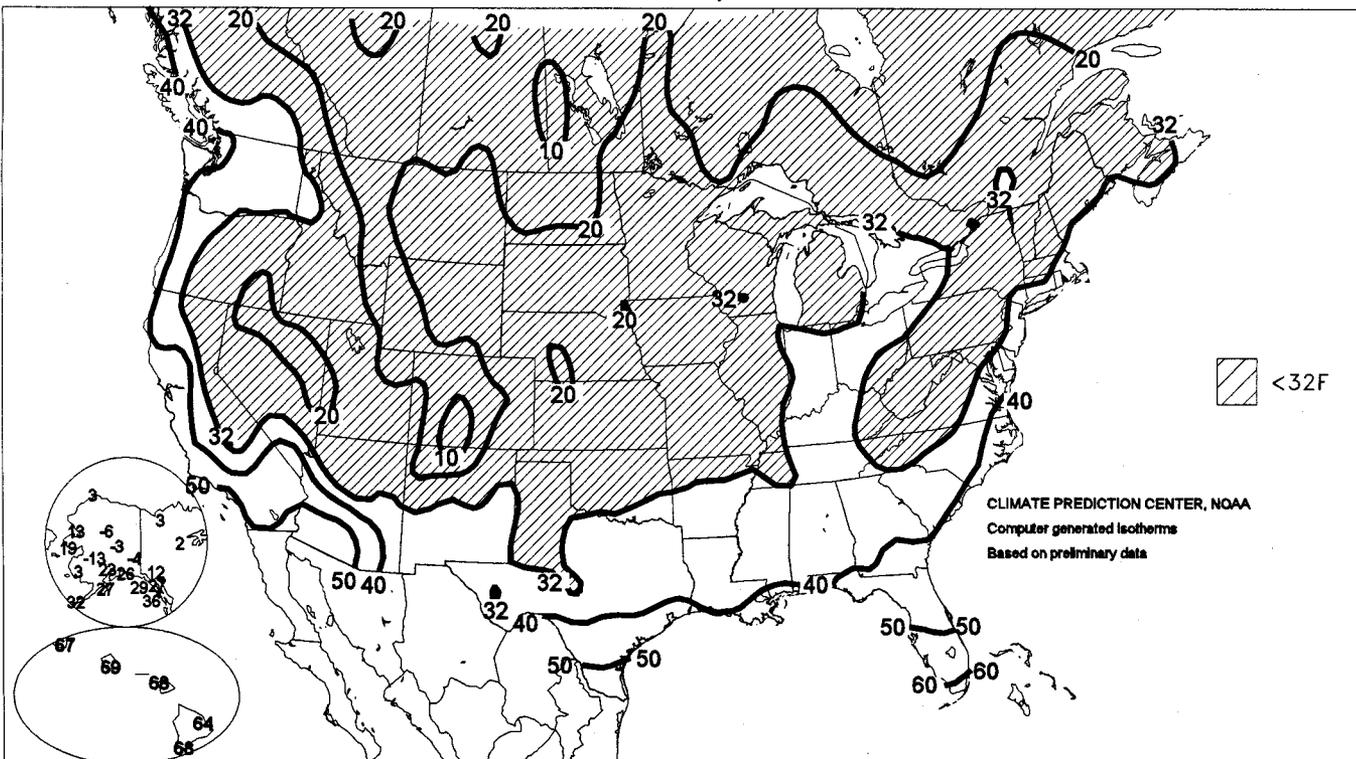
## Contents

Temperature Departure & Extreme Minimum Temperature Maps .....	2
<b>A Look Back: Snow &amp; Cold of October 24-27</b> ..	3
National Weather Data for Selected Cities .....	4
<b>October Weather and Crop Summary</b> .....	7
<b>October Precipitation &amp; Temperature Maps</b> ..	8
<b>October Weather Data for Selected Cities</b> .....	9
National Agricultural Summary .....	10
Crop Progress and Condition Tables .....	11
State Agricultural Summaries .....	12
International Weather and Crop Summary .....	16
<b>Heavy Rains in East Africa</b> .....	19
Subscription Information & U.S. Crop Production Highlights .....	20

### Departure of Average Temperature from Normal (°F) NOV 2 - 8, 1997



### Extreme Minimum Temperature (°F) NOV 2 - 8, 1997



(Continued from front cover)

Early in the week, more than two dozen daily-record highs were established in the **Southwest**. In **southern California**, highs on Sunday reached 104°F in **Santa Ynez** and 102°F in **Burbank**. **Organ Pipe Cactus National Monument, AZ**, notched 94°F, tying their November record set in 1988. A day later in **California**, highs included 98°F in **Simi Valley** and 97°F in **Pasadena**.

Meanwhile, a broad low-pressure system centered over the **Great Lakes region** weakened and drifted into **eastern Canada**. On Sunday, winds gusts in **Iowa** were clocked to 59 mph in **Sioux City** and 50 mph in **Des Moines**. On the other side of the storm, wind gusts in **Maine** reached 69 mph in **Portland** and 76 mph offshore on **Matinicus Rock**. The Portland Weather Buoy reported seas of 23 feet at the storm's peak. The storm produced significant rainfall throughout the **Northeast**, including 2.95 inches (and wind gusts to 53 mph) in **Portsmouth, NH**.

At midweek, another storm developed over the **Ozark Plateau**. Daily-record rainfalls on Wednesday included 1.78 inches in **Little Rock, AR** and 1.29 inches in **Columbia, MO**. The storm drifted slowly eastward thereafter, reaching the **Mid-Atlantic Coast** by week's end. Storm-total precipitation topped 4 inches from **northern Virginia** into **Pennsylvania**, causing localized flooding. On Friday, daily-record totals were established in locations such

as **Baltimore, MD** (2.44 inches) and **Virginia's Dulles Airport** (2.31 inches). **Pittsburgh, PA** netted 1.86 inches, their greatest single-day rainfall on record in November. Elsewhere in **Pennsylvania**, November 7-8 totals reached 6.39 inches in **Altoona** and 7.08 inches in **Saxton**.

In the **Northwest**, warm weather prevailed in advance of a Pacific storm and an encroaching Arctic front. On Thursday, daily-record highs were established in **Boise, ID** (73°F) and **Butte, MT** (65°F). A day later, daily-rainfall records were set in **Pendleton, OR** (1.07 inches) and **Yakima, WA** (0.61 inches). By Sunday morning, November 9, however, cold air spilled into **Montana**, where **Cut Bank** recorded a low of 0°F. Farther east, the sun appeared in **Des Moines** on Saturday for the first time since November 1.

Weekly temperatures averaged 3 to 14°F above normal in **Alaska** as extreme maxima reached 30°F or higher statewide. **Barrow's** 68-day streak (August 26 to November 1) with a trace or more of precipitation ended on November 2. Conditions were occasionally quite stormy across the south, however, as **Cold Bay** registered a November record-tying wind gust to 75 mph on Tuesday, and **Kodiak** received a single-day, November-record rainfall (2.87 inches) on Saturday.

## A Look Back: Snow and Cold of October 24-27 by the Numbers

### Selected Storm-Total Snowfall (Inches)

State	Location	Total
UT	Silver Lake	22
CO	Palmer Lake	52
	Coal Creek Canyon	51
	Monument	48
	Denver	21.9
KS	Colorado Springs	19.9
	Goodland	19.5
	Woodruff	13
WY	Lander	16.2
	Casper	9.8
NE	Clay Center	23
	Hastings	17.4
	Lincoln	13.2
	Omaha	9.2
IA	Des Moines	6.6
ME	Caribou	8.3

### October-Record Snowfall (Inches)

Location	Total	Former Record/Year
Goodland, KS	19.5	not available
Hastings, NE	17.4	7.0 in 1991
Lincoln, NE	13.2	6.6 in 1970
Omaha, NE	9.2	7.2 in 1941

### All-Time-Record Calendar-Day Snowfall (Inches)

Location	Total/Date	Former Record/Date
Goodland, KS	19.3 on Oct. 25	17.9 on Feb. 27, 1936

### October-Record 24-Hour Snowfall (Inches)

Location	Total/Date	Former Record/Date
Goodland, KS	19.3, Oct. 25	not available
Denver, CO	19.1, Oct. 24-25	12.4 in Oct. 1969
Co. Springs, CO	13.9, Oct. 25	13.8 on Oct. 31, 1972
Lincoln, NE	13.2, Oct. 25-26	6.6 on Oct. 9, 1970
Madison, WI	3.8, Oct. 26	3.2 on Oct. 31, 1926

### Rank Among All-Time Snowstorms

Location	Rank	Total	Greatest on Record
Hastings, NE	1st	17.4"	14.0" on Mar. 18, 1984
Goodland, KS	2nd	19.5"	21.7" on Nov. 26-28, 1983
Co. Springs, CO	4th	19.9"	33.4" on Sep. 28-Oct. 1, '59

### October-Record Lows (°F)

Location	Low/Date	Former Record /Date
Hill City, KS	3 on Oct. 27	16 on Oct. 28, 1952
Hastings, NE	4 on Oct. 27	12 in Oct. 1993
Kearney, NE	6 on Oct. 27	13 on Oct. 31, 1993

# National Weather Data for Selected Cities

Weather Data for the Week Ending November 8, 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.	
																80 AND ABOVE	32 AND BELOW	01 INCH OR MORE	50 INCH OR MORE
AL BIRMINGHAM	59	42	65	35	51	-6	1.06	0.17	0.58	11.42	148	49.02	106	82	53	0	0	2	1
AL HUNTSVILLE	57	41	63	32	49	-6	0.70	-0.29	0.33	14.63	173	53.12	112	91	54	0	1	4	0
AL MOBILE	66	44	70	39	55	-7	0.06	-0.75	0.03	8.56	88	67.63	122	91	47	0	0	3	0
AL MONTGOMERY	63	44	69	36	53	-7	0.42	-0.38	0.28	6.62	89	38.74	86	91	49	0	0	4	0
AK ANCHORAGE	36	27	39	23	32	7	0.34	0.04	0.23	4.62	91	16.97	121	89	71	0	7	2	0
AK BARROW	22	11	29	3	17	14	0.02	-0.05	0.02	1.41	126	5.43	134	95	84	0	7	1	0
AK FAIRBANKS	28	6	35	-3	17	8	0.04	-0.15	0.04	1.46	72	5.28	56	92	79	0	7	1	0
AK JUNEAU	44	35	52	27	40	5	-	-	-	-	-	-	-	98	85	0	3	-	-
AK KODIAK	45	34	46	27	40	4	-	-	2.87	-	-	-	-	94	67	0	4	-	-
AK NOME	34	28	36	19	31	11	0.53	0.27	0.24	3.37	83	14.23	107	89	70	0	7	4	0
AZ FLAGSTAFF	62	23	68	21	42	2	0.00	-0.41	0.00	4.83	118	13.85	73	67	19	0	7	0	0
AZ PHOENIX	85	57	90	54	71	5	0.22	0.08	0.22	0.74	44	4.00	65	40	16	1	0	1	0
AZ PRESCOTT	70	36	73	32	53	5	0.00	-0.32	0.00	4.05	116	13.67	81	48	15	0	1	0	0
AZ TUCSON	84	51	88	48	67	5	0.00	-0.16	0.00	1.81	62	7.19	69	35	11	0	0	0	0
AZ YUMA	87	62	91	58	75	6	0.00	-0.06	0.00	4.54	732	5.11	203	49	26	2	0	0	0
AR FORT SMITH	60	40	67	32	50	-5	0.28	-0.67	0.26	7.94	99	34.28	98	86	50	0	1	2	0
AR LITTLE ROCK	59	43	67	34	51	-5	1.78	0.65	1.78	10.52	118	53.57	132	85	50	0	0	1	1
CA BAKERSFIELD	79	52	88	42	66	6	0.00	-0.16	0.00	0.30	48	3.29	72	72	31	0	0	0	0
CA EUREKA	62	46	66	38	54	1	0.55	-0.77	0.47	5.33	105	25.47	96	94	76	0	0	3	0
CA FRESNO	78	52	83	45	65	8	0.00	-0.28	0.00	0.22	20	4.21	52	82	34	0	0	0	0
CA LOS ANGELES	79	62	96	57	71	7	0.00	-0.34	0.00	0.27	25	5.90	66	82	49	2	0	0	0
CA REDDING	71	45	78	37	58	3	0.07	-0.99	0.06	5.07	117	22.96	97	91	43	0	0	2	0
CA SACRAM/MCCLELL	76	50	82	41	63	-3	0.00	-	0.00	0.39	-	9.90	-	90	39	0	0	0	0
CA SAN DIEGO	77	61	90	59	69	5	0.00	-0.28	0.00	0.87	96	4.20	58	92	52	1	0	0	0
CA SAN FRANCISCO	69	54	79	47	62	4	0.81	0.23	0.79	1.56	75	10.93	78	91	60	0	0	2	1
CA ALAMOSA	56	14	61	9	35	0	0.00	-0.11	0.00	2.12	123	6.98	103	78	18	0	7	0	0
CA CO SPRINGS	58	27	68	20	43	1	0.00	-0.13	0.00	2.76	119	22.80	148	76	27	0	6	0	0
CA DENVER	57	31	67	22	44	1	0.00	-0.22	0.00	2.86	115	19.67	139	76	28	0	6	0	0
CA GRAND JUNCTION	59	30	63	24	44	-1	0.00	-0.19	0.00	4.04	200	12.46	165	67	28	0	6	0	0
CA PUEBLO	61	25	72	20	43	-2	0.00	-0.11	0.00	1.82	114	12.44	119	88	30	0	7	0	0
CT BRIDGEPORT	59	43	65	37	51	1	0.89	0.03	0.84	4.47	63	31.50	89	87	58	0	0	2	1
CT HARTFORD	58	39	66	30	49	3	0.62	-0.30	0.37	4.70	58	32.66	88	95	57	0	1	3	0
DC WASHINGTON	56	42	65	35	49	-5	2.40	1.68	2.00	8.04	112	30.21	91	88	62	0	0	3	1
DE WILMINGTON	56	39	66	32	46	-2	0.76	0.04	0.41	5.94	83	-	-	84	60	0	2	4	0
FL DAYTONA BEACH	74	52	79	48	63	-6	0.03	-0.69	0.02	10.94	97	44.78	103	96	48	0	0	2	0
FL JACKSONVILLE	69	48	76	44	59	-6	0.37	-0.13	0.20	9.33	89	45.38	97	94	48	0	0	3	0
FL KEY WEST	79	70	86	66	75	-3	0.15	-0.62	0.14	7.80	70	33.33	94	82	61	0	0	2	0
FL MIAMI	80	65	89	59	73	-3	0.04	-0.77	0.02	15.08	106	62.47	119	90	52	0	0	3	0
FL ORLANDO	78	52	82	45	64	-6	0.19	-0.33	0.19	7.01	78	48.95	111	97	49	0	0	1	0
FL TAMPA	74	58	78	54	66	-4	0.12	-0.27	0.12	17.16	204	48.85	121	85	52	0	0	1	0
FL VALPARAISO/EGLIN	67	48	73	43	58	-4	0.08	-0.57	0.08	6.97	66	55.15	90	90	45	0	0	1	0
FL WEST PALM BEACH	79	61	85	54	70	-5	0.25	-1.03	0.25	7.64	46	53.19	97	87	53	0	0	1	0
GA ATHENS	58	41	64	34	49	-7	0.29	-0.53	0.28	14.91	197	45.67	106	91	55	0	0	2	0
GA ATLANTA	55	41	63	36	48	-8	0.30	-0.54	0.30	10.31	139	43.67	100	94	61	0	0	1	0
GA AUGUSTA	63	41	69	34	52	-6	0.10	-0.46	0.08	11.46	176	40.53	103	100	53	0	0	2	0
GA COLUMBUS	61	45	68	40	53	-7	0.15	-0.54	0.15	6.48	104	41.05	95	91	49	0	0	1	0
GA MACON	61	42	69	37	52	-7	0.37	-0.17	0.38	8.22	148	31.80	83	95	50	0	0	2	0
GA SAVANNAH	65	45	70	38	55	-7	0.46	-0.01	0.28	11.59	157	47.46	106	97	52	0	0	3	0
HI HILO	81	68	88	64	75	0	2.26	-0.95	1.50	23.85	110	117.38	110	92	65	0	0	5	1
HI HONOLULU	84	71	87	69	78	-1	0.02	-0.82	0.01	3.65	97	19.09	120	80	57	0	0	2	0
HI KAHULUI	85	70	88	67	78	1	-	-	-	-	-	-	-	91	58	0	0	-	-
HI LIHUE	82	70	84	67	76	0	-	-	-	-	-	-	-	79	60	0	0	-	-
ID BOISE	59	37	73	33	48	4	0.22	-0.09	0.22	1.44	78	9.95	104	83	43	0	0	1	0
ID LEWISTON	56	42	64	38	49	4	0.96	0.71	0.70	3.70	163	14.78	142	88	63	0	0	3	1
ID POCATELLO	55	26	66	23	40	0	0.05	-0.21	0.05	3.05	150	12.24	121	90	47	0	7	1	0
IL CHICAGO/O'HARE	45	37	48	33	41	-4	0.37	-0.28	0.21	4.89	70	29.20	94	89	72	0	0	5	0
IL MOLINE	43	36	49	31	40	-5	0.52	-0.09	0.38	5.97	78	32.31	92	80	74	0	3	4	0
IL PEORIA	44	34	49	31	39	-7	1.22	0.80	0.96	6.87	92	29.00	91	93	72	0	3	4	1
IL ROCKFORD	43	34	49	28	39	-4	0.47	-0.16	0.34	3.71	50	25.48	79	91	71	0	3	4	0
IL SPRINGFIELD	45	35	50	32	40	-7	1.11	0.53	0.91	6.43	98	24.95	81	95	78	0	1	3	1
IN EVANSVILLE	50	38	58	33	44	-7	0.96	0.15	0.67	4.22	62	42.26	115	92	67	0	0	4	1
IN FORT WAYNE	46	36	54	32	41	-5	0.13	-0.49	0.09	6.59	113	36.88	124	91	72	0	1	2	0
IN INDIANAPOLIS	47	37	55	33	42	-6	0.10	-0.60	0.09	3.50	66	30.22	88	95	69	0	0	2	0
IN SOUTH BEND	46	34	51	32	40	-5	0.03	-0.71	0.02	6.01	79	29.66	88	90	70	0	1	2	0
IA BURLINGTON	-	-	-	-	-	-	0.85	0.29	-	5.13	67	29.47	91	-	-	-	-	-	-
IA CEDAR RAPIDS	-	-	-	-	-	-	0.16	-0.32	-	5.84	87	24.45	80	-	-	-	-	-	-
IA DES MOINES	41	33	47	25	37	-8	0.04	-0.44	0.04	7.21	108	29.63	97	90	72	0	3	1	0
IA DUBUQUE	40	34	45	30	37	-5	0.34	-0.29	0.22	5.61	69	28.19	82	93	76	0	4	4	0
IA SIOUX CITY	40	29	46	20	35	-7	0.19	-0.11	0.06	3.96	77	18.23	75	93	73	0	5	4	0
IA WATERLOO	40	33	48	29	36	-5	0.01	-0.47	0.01	9.55	144	29.72	95	91	72	0	4	1	0
KS CONCORDIA	48	32	58	21	40	-6	0.00	-0.31	0.00	6.49	121	23.36	86	80	56	0	2	0	0
KS DODGE CITY	58	32	75	22	45	-3	0.00	-0.22	0.00	7.04	205	26.83	132	81	40	0	3	0	0
KS GOODLAND	54	29	65	25	42	-2	0.00	-0.18	0.00	3.31	124	17.48	102	85	48	0	5	0	0
KS TOPEKA	51	33	56	27	42	-6	0.04	-0.48	0.03	5.77	77	26.06	80	89	55	0	2	2	0

Based on 1961-90 normals

Weather Data for the Week Ending November 8, 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	TEMP. °F		PRECIP.	
																80 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	5.0 INCH OR MORE
KY WICHITA	53	33	69	26	43	-8	0.01	-0.40	0.01	6.90	112	33.09	122	83	53	0	3	1	0
KY JACKSON	49	37	58	32	43	-8	0.86	-0.05	0.34	5.80	74	43.98	104	92	63	0	1	5	0
KY LEXINGTON	48	38	55	34	43	-7	0.59	-0.12	0.22	5.76	88	53.42	141	92	69	0	0	5	0
LA LOUISVILLE	51	40	58	37	46	-5	0.23	-0.57	0.11	3.86	54	51.06	134	90	62	0	0	3	0
LA PADUCAH	52	39	57	30	45	-6	0.61	-0.30	0.38	6.02	78	46.59	113	93	63	0	1	4	0
LA BATON ROUGE	67	44	74	36	55	-7	0.05	-0.84	0.05	5.52	58	56.25	108	88	39	0	0	1	0
LA LAKE CHARLES	69	45	75	38	57	-7	0.24	-0.69	0.23	10.25	96	55.70	120	88	41	0	0	2	0
LA NEW ORLEANS	68	48	75	43	58	-6	0.01	-0.86	0.01	2.49	28	41.33	78	81	38	0	0	1	0
LA SHREVEPORT	63	42	72	35	53	-7	1.09	0.07	1.09	11.00	137	60.75	157	87	48	0	0	1	1
ME CARIBOU	51	34	61	25	43	7	1.00	0.19	0.53	4.98	67	31.25	102	97	64	0	4	4	1
ME PORTLAND	54	42	61	35	48	5	0.33	-0.83	0.18	4.84	58	30.41	85	93	61	0	0	2	0
MD BALTIMORE	56	37	65	29	46	-4	3.13	2.39	2.44	8.68	120	34.10	98	96	63	0	3	4	1
MA BOSTON	57	46	65	40	51	2	0.97	0.03	0.66	5.25	70	26.35	77	88	68	0	0	4	1
MA WORCESTER	52	40	63	35	46	2	0.47	-0.58	0.40	4.24	45	29.10	72	81	68	0	0	4	0
MI ALPENA	46	29	50	24	38	-2	0.19	-0.31	0.17	4.96	86	27.31	109	94	61	0	5	2	0
MI GRAND RAPIDS	44	34	51	30	39	-3	0.30	-0.45	0.19	7.63	97	27.90	91	98	77	0	3	4	0
MI HOUGHTON LAKE	44	30	49	23	37	-3	0.14	-0.38	0.14	6.10	99	25.15	102	92	70	0	3	1	0
MI LANSING	46	34	51	28	40	-2	0.19	-0.39	0.08	5.36	85	25.30	96	92	74	0	2	4	0
MI MARQUETTE	-	-	-	-	-	-	0.74	0.04	-	5.16	61	26.43	93	-	-	-	-	-	-
MI MUSKEGON	45	33	51	27	39	-4	1.01	0.30	0.44	5.90	79	24.28	89	98	72	0	3	5	0
MN DULUTH	33	29	39	25	31	-3	0.08	-0.39	0.06	4.15	60	22.66	82	92	78	0	5	3	0
MN INTL FALLS	33	26	37	23	29	-2	0.47	0.16	0.41	6.89	126	18.33	81	90	77	0	7	2	0
MN MINNEAPOLIS	39	33	44	30	36	-3	0.04	-0.37	0.04	5.31	99	33.52	128	90	77	0	4	1	0
MN ROCHESTER	36	30	41	28	33	-5	0.01	-0.42	0.01	4.60	73	29.04	108	92	80	0	6	1	0
MN ST. CLOUD	36	30	42	28	33	-3	0.12	-0.24	0.10	3.22	58	23.58	92	91	76	0	6	2	0
MS JACKSON	61	41	68	34	51	-8	0.29	-0.69	0.16	7.48	95	49.91	108	93	50	0	0	3	0
MS MERIDIAN	63	40	70	35	52	-8	0.25	-0.64	0.24	6.24	82	48.19	102	96	46	0	0	2	0
MS TUPELO	57	41	65	35	49	-7	0.74	-0.24	0.71	8.21	101	59.53	129	91	55	0	0	3	1
MO COLUMBIA	45	35	51	30	40	-8	1.34	0.83	1.29	6.78	86	33.37	97	90	66	0	2	4	1
MO KANSAS CITY	46	34	53	25	40	-8	0.05	-0.47	0.05	6.59	75	29.02	84	89	63	0	2	1	0
MO SAINT LOUIS	47	38	50	32	42	-8	1.31	0.58	1.19	6.24	94	26.55	89	88	73	0	1	4	1
MO SPRINGFIELD	50	36	58	28	43	-7	0.57	-0.30	0.43	7.70	84	34.13	92	93	61	0	2	4	0
MT BILLINGS	56	35	68	30	45	6	0.37	0.15	0.22	2.11	76	14.43	105	71	46	0	3	2	0
MT BUTTE	53	24	65	17	39	6	0.04	-0.10	0.04	2.23	106	19.26	170	68	39	0	7	1	0
MT GLASGOW	52	29	65	23	41	6	0.09	0.01	0.05	1.40	82	11.55	111	90	49	0	5	4	0
MT GREAT FALLS	55	34	69	22	44	6	0.45	0.31	0.30	1.64	75	14.06	101	67	38	0	3	2	0
MT KALISPELL	50	28	57	22	39	4	0.09	-0.17	0.09	2.61	107	16.66	121	92	59	0	6	1	0
MT MILES CITY	56	32	67	28	44	6	0.13	-0.01	0.10	1.46	62	10.44	80	86	42	0	4	2	0
MT MISSOULA	50	30	55	26	40	4	0.27	0.10	0.18	2.13	103	14.35	123	91	62	0	4	3	0
NE GRAND ISLAND	45	32	51	27	39	-4	0.03	-0.23	0.02	9.12	203	28.03	119	83	58	0	4	2	0
NE LINCOLN	44	30	51	24	37	-7	0.07	-0.28	0.04	5.35	89	21.86	82	90	65	0	5	3	0
NE NORFOLK	43	29	46	22	36	-6	0.14	-0.13	0.08	5.33	122	19.84	84	87	61	0	5	3	0
NE NORTH PLATTE	52	27	66	16	40	-1	0.01	-0.16	0.01	4.54	164	17.38	95	88	48	0	6	1	0
NE OMAHA	41	30	45	23	36	-8	0.05	-0.35	-	10.14	157	28.06	101	95	74	0	4	2	0
NE SCOTTSBLUFF	56	30	66	24	43	2	0.00	-0.16	0.00	2.77	134	19.92	140	85	41	0	6	0	0
NE VALENTINE	50	28	67	21	39	0	0.04	-0.13	0.04	4.92	187	21.80	125	90	55	0	6	1	0
NV ELY	63	25	69	20	44	6	0.35	0.18	0.29	2.03	96	8.39	93	61	21	0	6	2	0
NV LAS VEGAS	78	50	79	47	63	4	0.00	-0.08	0.00	2.06	355	3.50	104	39	17	0	0	0	0
NV RENO	67	29	73	21	48	4	0.00	-0.17	0.00	0.71	76	6.31	108	61	25	0	5	0	0
NV WINNEMUCCA	67	23	73	18	45	3	0.02	-0.18	0.02	0.52	42	6.88	103	67	23	0	7	1	0
NH CONCORD	57	37	67	29	47	5	0.96	0.11	0.47	5.94	85	29.18	95	89	54	0	3	3	0
NJ NEWARK	58	42	66	35	50	-1	1.60	0.72	1.07	6.64	86	36.04	96	89	57	0	0	3	2
NM ALBUQUERQUE	65	39	70	34	52	4	0.00	-0.12	0.00	2.81	139	10.69	133	42	14	0	0	0	0
NY ALBANY	54	37	62	28	46	2	1.70	0.96	0.91	8.47	127	29.04	94	97	65	0	1	3	2
NY BINGHAMTON	47	33	55	28	40	-2	1.43	0.69	0.67	6.35	90	26.17	83	97	73	0	3	4	2
NY BUFFALO	49	37	55	35	43	-1	1.20	0.35	0.84	9.42	124	35.95	112	93	64	0	0	5	1
NY ROCHESTER	51	36	59	32	44	-1	0.60	-0.05	0.48	6.66	140	29.78	110	93	64	0	1	4	0
NY SYRACUSE	51	38	58	32	45	0	1.23	0.38	0.85	5.89	74	25.83	78	92	66	0	1	3	1
NC ASHEVILLE	51	34	58	27	42	-8	0.21	-0.62	0.16	9.44	113	45.45	110	94	57	0	3	2	0
NC CHARLOTTE	59	42	66	35	51	-5	0.07	-0.67	0.04	7.99	104	41.63	112	84	45	0	0	2	0
NC GREENSBORO	55	38	62	31	47	-6	0.17	-0.53	0.17	6.52	83	34.89	94	86	49	0	1	1	0
NC HATTERAS	64	55	73	50	60	0	0.13	-1.06	0.10	13.95	120	45.80	95	84	65	0	0	2	0
NC RALEIGH	58	41	67	32	50	-5	0.33	-0.36	0.16	6.83	100	34.52	96	90	58	0	1	3	0
NC WILMINGTON	66	46	72	39	56	-4	0.56	-0.10	0.36	11.79	139	39.97	83	95	52	0	0	3	0
ND BISMARCK	42	27	51	20	35	0	0.01	-0.12	0.01	4.03	158	14.52	99	87	52	0	7	1	0
ND DICKINSON	50	25	69	18	38	2	0.01	-0.12	0.01	1.09	39	15.88	103	89	51	0	7	1	0
ND FARGO	33	26	43	21	30	-5	0.97	0.75	0.85	6.47	165	26.73	146	81	81	0	7	3	1
ND GRAND FORKS	32	25	37	21	29	-4	-	-	-	-	-	-	-	93	79	0	7	-	-
ND JAMESTOWN	31	24	37	20	28	-7	0.14	0.00	0.08	2.56	89	19.79	123	98	79	0	7	2	0
ND WILLISTON	47	22	61	14	35	1	0.00	-0.11	0.00	0.76	34	11.35	89	88	51	0	7	0	0
OH AKRON-CANTON	45	35	49	30	40	-6	0.67	0.02	0.28	4.41	69	28.79	91	96	71	0	2	6	0
OH CINCINNATI	48	38	55	34	43	-5	0.32	-0.46	0.09	2.81	42	34.97	98	91	68	0	0	5	0
OH CLEVELAND	47	38	51	32	42	-4	0.28	-0.41	0.17	6.20	92	30.68	99	88	61	0	1	4	0
OH COLUMBUS	47	38	51	33	42	-4	0.86	0.16	0.30	3.80	64	33.66	103	92	66	0	0	5	0
OH DAYTON	47	36	54	32	42	-5	0.19	-0.49	0.09	3.31	57	27.07	86	88	57	0	2	5	0
OH MANSFIELD	44	35	51	30	40	-6	0.35	-0.41	0.20	4.85	74	35.58	105	92	67	0	2	3	0

Based on 1961-90 normals

Weather Data for the Week Ending November 8, 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	TEMP, °F		PRECIP.	
																90 AND ABOVE	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK TOLEDO	47	36	58	33	42	-2	0.09	-0.50	0.03	6.40	113	35.07	126	91	66	0	0	3	0
OK YOUNGSTOWN	48	36	53	33	41	-4	0.84	0.14	0.44	6.24	91	28.71	89	92	68	0	0	6	0
OK OKLAHOMA CITY	61	37	72	31	49	-5	0.00	-0.55	0.00	4.80	60	24.73	81	78	39	0	2	0	0
OK TULSA	58	37	68	33	47	-7	0.00	-0.78	0.00	5.05	55	35.60	98	81	47	0	0	0	0
OR ASTORIA	59	45	62	37	52	3	0.68	-1.45	0.23	19.49	177	70.38	146	99	78	0	0	8	0
OR BURNS	59	26	68	21	43	5	0.14	-0.13	-	1.36	84	8.06	102	92	43	0	6	-	-
OR EUGENE	59	44	68	36	51	3	0.61	-1.06	0.27	8.21	118	32.76	95	91	70	0	0	5	0
OR MEDFORD	60	40	70	35	50	3	0.64	-0.01	0.54	3.66	119	15.11	116	99	64	0	0	3	1
OR PENDLETON	55	40	66	34	47	2	1.33	1.01	1.07	3.52	193	10.30	111	98	72	0	0	3	1
OR PORTLAND	61	48	65	41	54	5	0.70	-0.37	0.31	9.08	161	37.56	144	98	66	0	0	5	0
OR SALEM	58	44	63	36	51	4	0.88	-0.39	0.43	11.13	186	38.66	140	97	78	0	0	5	0
PA ALLENTOWN	56	34	62	27	45	-2	0.56	-0.30	0.36	6.77	86	34.61	93	92	54	0	3	4	0
PA ERIE	50	37	55	31	44	-3	0.20	-0.73	0.08	6.15	67	34.30	98	90	64	0	2	4	0
PA MIDDLETOWN	54	36	60	30	45	-3	2.18	1.39	-	6.50	89	28.82	83	95	56	0	3	4	1
PA PHILADELPHIA	57	41	65	33	49	-1	1.01	0.28	0.65	5.06	74	27.57	78	86	57	0	0	5	1
PA PITTSBURGH	47	36	54	29	42	-5	2.70	2.07	1.86	7.17	119	30.59	96	91	61	0	3	6	2
PA SCRANTON	52	35	61	26	44	-2	1.06	0.33	0.41	4.42	64	23.36	74	95	60	0	2	5	0
PA WILLIAMSPORT	52	33	58	27	42	-3	2.01	1.14	0.88	6.97	91	26.24	75	97	62	0	4	5	2
PA PROVIDENCE	58	42	65	35	50	3	1.39	0.40	0.81	5.56	67	34.00	90	91	66	0	0	3	2
SC BEAUFORT	65	47	71	40	56	-6	0.39	-0.13	0.22	6.63	81	37.20	80	96	56	0	0	2	0
SC CHARLESTON	66	47	71	39	57	-5	0.10	-0.46	0.08	14.50	175	54.93	118	93	54	0	0	2	0
SC COLUMBIA	62	42	67	36	52	-6	0.12	-0.54	0.12	10.14	136	39.62	90	89	50	0	0	1	0
SC GREENVILLE	57	41	64	34	49	-6	0.37	-0.48	0.32	9.09	102	43.09	97	90	50	0	0	3	0
SD ABERDEEN	38	27	48	21	32	-6	0.09	-0.08	0.05	4.28	135	18.83	106	89	65	0	7	2	0
SD HURON	41	29	55	22	35	-3	0.00	-0.22	0.00	6.45	188	24.30	127	86	59	0	7	0	0
SD RAPID CITY	52	30	69	25	41	2	0.06	-0.10	0.05	1.31	52	20.51	130	85	49	0	5	2	0
SD SIOUX FALLS	37	27	46	20	32	-7	0.14	-0.16	0.11	3.48	68	19.81	88	93	77	0	6	3	0
TN BRISTOL	51	35	57	25	43	-7	0.28	-0.36	0.13	5.20	79	38.16	109	93	61	0	3	5	0
TN CHATTANOOGA	55	41	61	34	48	-6	0.33	-0.64	0.30	11.73	139	51.95	116	94	54	0	0	3	0
TN KNOXVILLE	52	41	58	35	47	-6	0.72	-0.07	0.25	7.44	110	48.06	121	96	65	0	0	5	0
TN MEMPHIS	55	44	65	38	50	-6	0.30	-0.73	0.28	11.04	143	65.22	154	94	58	0	0	2	0
TN NASHVILLE	54	40	62	34	47	-7	0.81	-0.04	0.60	9.38	133	46.59	118	90	55	0	0	5	1
TX ABILENE	71	40	81	33	56	-3	0.00	-0.41	0.00	2.58	42	22.92	102	73	27	0	0	0	0
TX AMARILLO	68	34	78	29	50	0	0.00	-0.20	0.00	2.09	58	21.67	116	72	24	0	2	0	0
TX AUSTIN	74	49	83	42	61	-3	0.01	-0.82	0.01	6.89	92	39.90	141	77	38	0	0	1	0
TX BEAUMONT	69	46	75	42	58	-6	0.61	-0.48	0.47	7.99	68	43.57	89	91	47	0	0	2	0
TX BROWNSVILLE	77	61	83	56	69	-2	0.00	-0.41	0.00	17.80	193	34.89	144	91	57	0	0	0	0
TX CORPUS CHRISTI	77	57	87	50	67	-2	0.01	-0.43	0.01	13.83	153	34.11	123	83	44	0	0	1	0
TX DEL RIO	76	51	82	42	63	-1	0.00	-0.30	0.00	3.82	71	21.76	127	70	32	0	0	0	0
TX EL PASO	73	44	77	37	58	2	0.00	-0.11	0.00	1.74	67	7.44	93	48	20	0	0	0	0
TX FORT WORTH	68	44	78	35	56	-4	0.00	-0.82	0.00	7.67	101	37.02	122	74	35	0	0	0	0
TX GALVESTON	89	55	78	49	62	-5	3.76	3.03	3.28	18.77	196	53.99	149	77	41	0	0	3	1
TX HOUSTON	69	45	76	39	57	-7	0.88	-0.04	0.87	12.86	126	51.81	130	95	47	0	0	2	1
TX LUBBOCK	69	35	79	27	52	-2	0.00	-0.24	0.00	3.09	65	20.32	115	70	23	0	2	0	0
TX MIDLAND	73	40	82	31	56	0	0.00	-0.22	0.00	2.46	53	15.33	110	64	21	0	1	0	0
TX SAN ANGELO	74	38	81	32	56	-3	0.00	-0.33	0.00	2.38	38	21.24	112	78	25	0	1	0	0
TX SAN ANTONIO	75	48	81	43	61	-3	0.00	-0.69	0.00	5.94	81	28.61	103	75	37	0	0	0	0
TX VICTORIA	75	48	85	40	61	-5	0.03	-0.60	0.02	17.82	182	62.83	187	92	43	0	0	2	0
TX WACO	72	42	80	33	57	-5	0.00	-0.64	0.00	2.61	34	31.03	109	72	31	0	0	0	0
TX WICHITA FALLS	67	40	77	32	53	-3	0.00	-0.42	0.00	2.89	41	18.73	71	74	31	0	1	0	0
UT SALT LAKE CITY	60	35	67	30	48	3	0.01	-0.29	0.01	3.38	110	15.43	111	84	39	0	2	1	0
VT BURLINGTON	56	39	67	30	48	6	1.46	0.72	0.88	5.83	83	26.39	89	89	55	0	1	2	2
VA LYNCHBURG	62	35	61	26	44	-7	1.53	0.77	0.89	8.37	107	31.89	90	93	48	0	3	6	1
VA NORFOLK	62	48	70	45	55	-1	1.07	0.41	0.58	8.31	106	31.85	81	93	65	0	0	4	1
VA RICHMOND	58	40	67	32	49	-4	2.82	1.86	2.08	6.95	90	29.31	78	91	60	0	1	5	1
VA ROANOKE	51	35	60	27	43	-7	0.64	-0.15	0.23	6.00	73	31.75	89	94	55	0	3	5	0
WA WASH/DULLES	57	35	63	25	46	-3	3.20	2.43	2.31	9.93	133	32.39	94	96	61	0	3	3	1
WA HANFORD	55	41	59	37	48	-	0.57	0.41	0.57	1.81	208	5.64	125	91	67	0	0	1	1
WA OLYMPIA	57	44	64	36	50	6	1.23	-0.45	0.41	13.48	159	53.96	149	99	84	0	0	5	0
WA QUILLAYUTE	67	47	59	42	52	6	2.35	-0.87	1.27	28.87	151	107.57	137	98	66	0	0	5	2
WA SEATTLE-TACOMA	58	47	64	41	52	4	1.42	0.20	0.82	10.66	164	39.45	147	97	74	0	0	5	1
WA SPOKANE	50	37	53	31	44	5	0.56	0.14	0.50	3.17	145	15.01	121	97	72	0	1	3	1
WA YAKIMA	55	39	59	30	47	5	0.83	0.43	0.61	2.59	238	6.19	108	73	40	0	2	3	1
WV BECKLEY	45	31	50	25	38	-9	0.69	0.01	0.37	3.39	48	33.62	95	94	65	0	4	5	0
WV CHARLESTON	51	35	58	27	43	-7	0.96	0.16	0.49	3.99	57	37.44	103	97	62	0	2	5	0
WV ELKINS	48	28	58	20	38	-7	1.79	1.05	0.58	7.24	94	37.26	96	97	80	0	6	5	2
WV HUNTINGTON	50	36	58	29	43	-7	0.76	0.02	0.25	3.59	54	34.07	96	95	63	0	1	5	0
WI EAU CLAIRE	40	32	45	27	36	-2	0.06	-0.35	0.05	5.56	82	28.99	98	90	69	0	4	2	0
WI GREEN BAY	43	31	48	24	37	-2	0.17	-0.36	0.12	3.91	82	26.66	104	93	69	0	5	3	0
WI MADISON	42	35	48	33	39	-2	0.37	-0.13	0.25	3.22	53	26.76	97	94	73	0	0	4	0
WI MILWAUKEE	44	36	47	31	40	-3	0.43	-0.15	0.37	4.44	69	30.86	107	92	67	0	1	4	0
WY CASPER	55	28	66	22	41	3	0.02	-0.17	0.02	2.07	97	11.20	99	75	32	0	6	1	0
WY CHEYENNE	54	29	66	26	41	2	0.01	-0.13	0.01	3.16	148	19.11	141	71	30	0	7	1	0
WY LANDER	54	27	60	22	40	4	0.19	-0.03	0.19	2.30	93	12.21	103	72	31	0	6	1	0
WY SHERIDAN	58	28	69	21	43	6	0.13	-0.09	0.09	2.60	93	14.74	111	86	41	0	6	4	0

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

## October Weather and Crop Summary

### Weather

Dry, warm weather prevailed across the Midwest during the first half of the month, while widespread rainfall covered the Plains. Record rains during the second week of the month caused flooding in southeastern Texas, and storms early and late in the month boosted precipitation totals across the Pacific Northwest. The weather turned cold and stormy over central and eastern parts of the country during the second half of the month. A major storm complex brought a blizzard on October 24-25 to the central Plains and several inches of rain to the Southeast.

October was a wet month across the Plains, Southeast, and Northwest. Monthly precipitation totaled more than 150 percent (%) of normal over the Southeast, with rainfall exceeding 8 inches from Alabama to north Georgia. Totals also attained 8 inches over southeastern Oklahoma and adjacent Arkansas and more than 12 inches in extreme southeastern Texas. More than 1 foot of rain (150-250% of normal) also fell from western Washington south to northwestern Oregon. Monthly precipitation was high (150-350% of normal) over the northern and central Plains, but on the dry side (50-80% of normal) from the Great Lakes region south to the Ohio Valley. Unusually dry weather (30-60% of normal) stretched from the interior mid-Atlantic region to New England.

Monthly temperatures averaged within 2°F of normal over most of the contiguous United States, with departures slightly positive over the Plains and slightly negative across the West. Alaskan temperatures averaged 3 to 7°F below normal over the interior.

Summer warmth covered the Plains early in the month, as a dozen locations saw October-record heat on October 1-3. Pierre, SD, reported 98°F on October 2, tying their monthly record set in 1993 and 1892. In contrast, readings dipped to near freezing over the mid-Atlantic region, with Scranton, PA, reporting 30°F on October 2. Heavy rain and high winds battered the West Coast on October 1. A strong flow of Gulf moisture brought heavy rains and flooding to southeastern Texas on October 6-13. All but 0.11 inch of Corpus Christi's October-record rainfall (12.03 inches) fell by October 13. Record warmth covered the Central and Eastern States on October 5-11, when temperatures averaged 6 to 12°F above normal, high soared into the 80's and lower 90's, and more than 40 daily-record highs were established.

At mid-month, a strong cold front swept eastward, ending the warmth and bringing heavy rains to the Central States. Abundant rain across the Mid-Atlantic States ended long-term dryness. Colder air streamed southward into the Central and Eastern States during the following week. The blizzard on October 24-25 left 12 to 18 inches of snow on the ground across southern Nebraska and northwestern Kansas, and 1 to 3 feet across the Colorado Plains. As the storm moved eastward during the following 2 days, moderate to heavy snow fell from Iowa to Michigan and northern Vermont to Maine. In the storm's wake, more than 100 daily-record lows were established from October 25-28. Thermometers dipped into the teens and single digits on October 26-27 over snow-covered ground from Colorado to Iowa. Lows on the 26th

dipped to -10°F in Laramie, WY, 0°F in Scottsbluff, NE, and 19°F in Amarillo, TX. On the latter day, October-record lows were set in Kearney, NE (6°F), Hastings, NE (4°F), and Hill City, KS (3°F).

Month's end saw drier weather in the Plains, heavy rain and wind across the Pacific Northwest, and more heavy rain along the East Coast. By the last day of the month, warmth had eradicated most of the left-over snow from the historic central Plains blizzard, and highs in southern Texas soared to daily-record levels in Austin (90°F) and Del Rio (92°F).

### Fieldwork

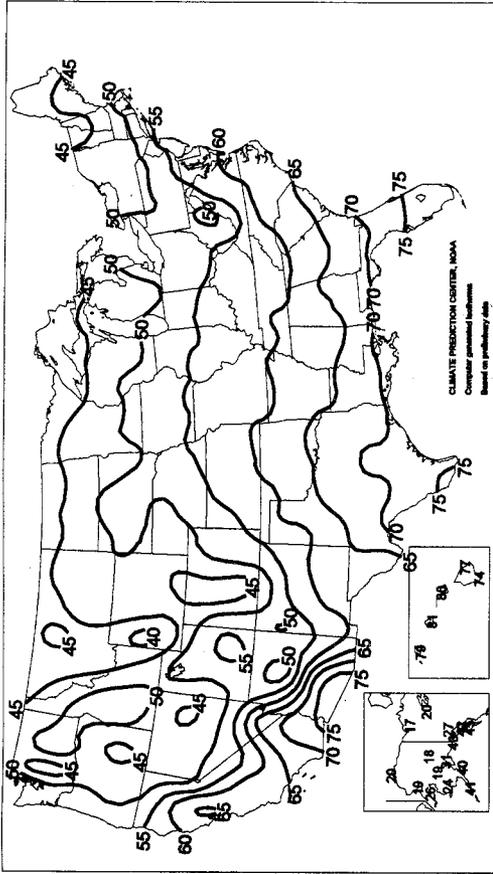
Very warm, dry weather in the Eastern United States provided excellent harvest conditions the first half of October. In the Corn Belt, soybean growers harvested their crop at a near-record pace. As soybean harvest finished, farmers immediately switched to harvesting the Nation's corn acreage. A mid-month killing frost and late-month snowstorm provided the necessary conditions for drying the corn crop. Heavy snow slowed harvest for several days in the western Corn Belt. After moisture levels dropped, harvest activity surged ahead of the normal pace. Soybean harvest was slowed by late-month showers in the Southeast. Some grain storage shortages were encountered as grain bins rapidly filled and some elevators were forced to use temporary storage facilities.

Cotton harvest progressed ahead of normal in the western cotton-producing States, but behind normal in eastern States. Unseasonably hot weather in the Southwest helped cotton fields to dry out after Tropical Storm Nora. Much-needed heat helped the Texas crop progress early in the month. However, heavy rains and flooding caused lint loss and damage to quality at mid-month. Farmers in the Southeast harvested cotton, rice, and peanuts between rains. Rice harvest neared completion at mid-month and peanut harvest was in the later stages by the end of October.

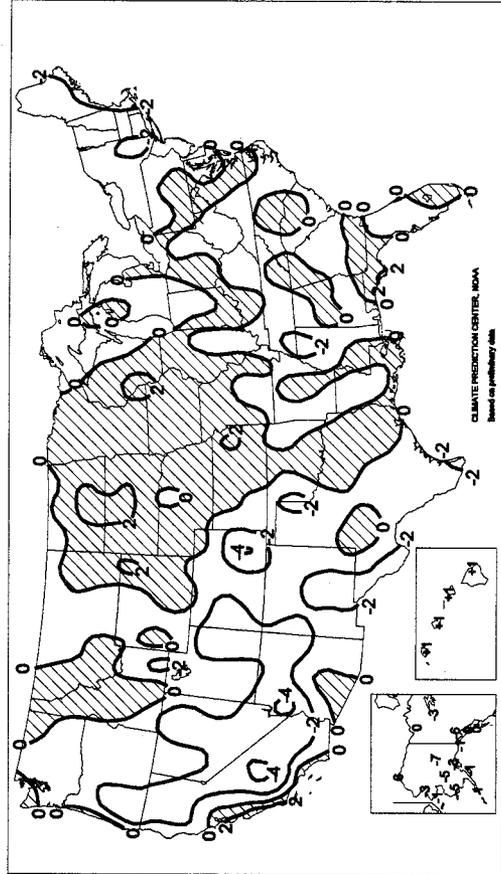
Favorable weather during early October allowed sorghum growers to harvest ahead of the normal pace in the Plains and Corn Belt. However, the early-season snowstorm October 24-25 halted activity in Colorado, Nebraska, and Kansas. Harvest of fall-season crops proceeded under favorable conditions in the northern Plains most of the month, but above-normal precipitation hampered fieldwork in the Northwest. Early-month moisture fell along the middle and northern Atlantic Coast, but came too late to help most crops. Late-month showers hampered harvest efforts in these States.

Early in the month, very warm, dry weather allowed planting of the 1998 winter wheat crop to progress rapidly in many States, especially Kansas, Oklahoma, and Oregon. Planting also progressed rapidly in the Corn Belt as farmers immediately followed a rapid fall harvest with winter wheat seeding. Later on, a major early-season storm system brought blizzard conditions to the central Plains and western Corn Belt, as well as rain to the Southeastern United States. Although planting was delayed by the storm, newly emerged fields benefited from the precipitation. Rainfall early and late in the month benefited seeded acreage in the Pacific Northwest.

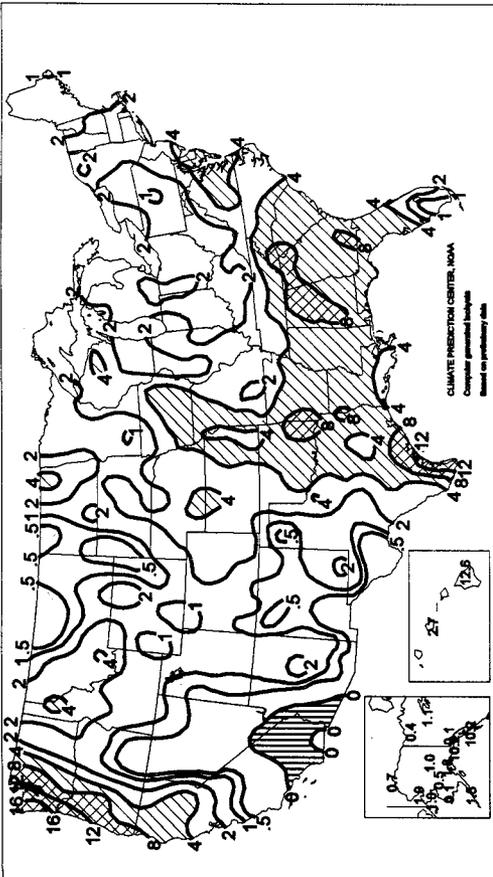
Average Temperature (°F)  
October 1997



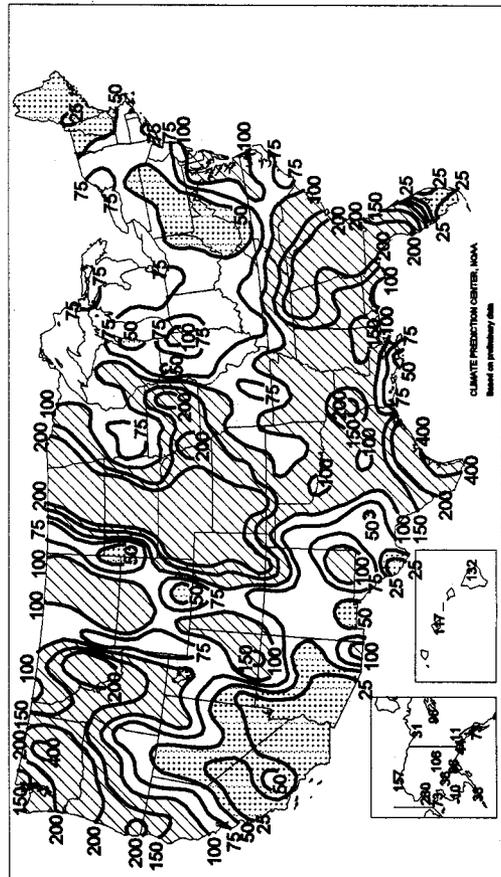
Departure of Average Temperature from Normal (°F)  
October 1997



Total Precipitation (inches)  
October 1997



Percent of Normal Precipitation  
October 1997



# TEMPERATURE AND PRECIPITATION SUMMARY

## October 1997

STATES AND STATIONS		TEMP. °F		PRECIP.		STATES AND STATIONS		TEMP. °F		PRECIP.		STATES AND STATIONS		TEMP. °F		PRECIP.	
		AVERAGE	DEPARTURE	TOTAL	DEPARTURE			AVERAGE	DEPARTURE	TOTAL	DEPARTURE			AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL	BIRMINGHAM	63	0	5.49	2.68	ME	CARIBOU	41	-2	1.31	-1.78		SCRANTON	49	-2	1.17	-1.63
	HUNTSVILLE	60	-1	8.32	5.08		PORTLAND	47	-2	1.37	-2.53		WILLIAMSPORT	51	-1	0.88	-2.63
	MOBILE	67	-1	5.83	2.89	MD	BALTIMORE	58	0	3.43	0.46	RI	PROVIDENCE	52	-2	1.80	-1.89
	MONTGOMERY	65	-1	3.18	0.72	MA	BOSTON	53	-2	1.78	-1.52	SC	BEAUFORT	67	-1	2.73	0.14
AK	ANCHORAGE	31	-4	1.75	-0.28		WORCESTER	49	-1	2.11	-2.20		CHARLESTON	66	-1	4.12	1.22
	BARRROW	20	6	0.70	0.26	MI	ALPENA	46	-1	1.82	-0.27		COLUMBIA	63	0	4.47	1.43
	FAIRBANKS	18	-7	0.95	0.10		GRAND RAPIDS	50	0	2.02	-0.79	SD	GREENVILLE	60	0	4.85	0.87
	JUNEAU	42	-1	-	-		HOUGHTON LAKE	46	-1	1.85	-0.32		ABERDEEN	48	1	3.37	2.25
	KODIAK	40	-1	-	-		LANSING	47	-2	1.40	-0.70		HURON	51	2	2.58	1.11
	NOME	28	-2	0.99	-0.36		MARQUETTE	-	-	2.39	-1.22		RAPID CITY	49	0	0.47	-0.63
AZ	FLAGSTAFF	45	-2	1.15	-0.46		MUSKEGON	50	-1	1.28	-1.52		SIoux FALLS	49	1	1.75	-0.03
	PHOENIX	75	0	0.07	-0.58	MN	DULUTH	44	0	2.27	-0.21	TN	BRISTOL	55	-1	1.70	-0.91
	PRESCOTT	54	0	0.36	-0.78		INT'L FALLS	43	1	2.37	0.40		CHATTANOOGA	60	0	5.24	2.02
	TUCSON	70	0	0.38	-0.68		MINNEAPOLIS	50	2	2.04	-0.15		KNOXVILLE	59	0	2.92	0.08
	YUMA	76	0	0.00	-0.24		ROCHESTER	50	2	2.71	0.39		MEMPHIS	62	0	4.38	1.34
AR	FORT SMITH	63	0	6.31	2.63		ST. CLOUD	48	2	1.30	-0.90	TX	NASHVILLE	60	-1	2.70	0.09
	LITTLE ROCK	64	1	4.59	0.97	MS	JACKSON	65	0	4.26	1.01		ABILENE	66	0	2.54	0.03
CA	BAKERSFIELD	64	-4	0.25	-0.05		MERIDIAN	63	-1	3.68	0.82		AMARILLO	58	0	0.74	-0.63
	EUREKA	55	0	2.73	0.05		TUPELO	61	-2	4.95	1.52		AUSTIN	71	-1	5.42	1.98
	FRESNO	64	-1	0.07	-0.46	MO	COLUMBIA	57	0	3.11	-0.12		BEAUMONT	70	0	1.95	-2.34
	LOS ANGELES	69	2	0.00	-0.35		KANSAS CITY	58	1	2.98	-0.31		BROWNSVILLE	74	-2	13.03	10.24
	REDDING	61	-3	3.37	1.13		SAINT LOUIS	59	1	2.07	-0.61		CORPUS CHRISTI	73	-1	12.03	9.01
	SACRAM/MCCLELL	65	-	0.30	-		SPRINGFIELD	58	0	3.43	-0.14		DEL RIO	70	0	2.41	0.17
	SAN DIEGO	69	1	0.02	-0.35	MT	BILLINGS	49	0	1.18	0.04		EL PASO	64	0	0.19	-0.57
	SAN FRANCISCO	62	1	0.75	-0.47		BUTTE	41	0	1.83	0.94		FORT WORTH	67	0	5.86	2.14
CO	ALAMOSA	43	-1	0.43	-0.27		GLASGOW	45	-1	0.76	0.15		GALVESTON	72	0	6.54	3.70
	CO SPRINGS	49	-1	0.98	0.14		GREAT FALLS	46	-1	0.97	0.19		HOUSTON	69	-1	7.12	2.85
	DENVER	50	-1	1.87	0.88		KALISPELL	44	2	1.02	0.14		LUBBOCK	60	-1	1.13	-0.73
	GRAND JUNCTION	52	-3	1.20	0.23		MILES CITY	49	1	1.07	0.17		MIDLAND	65	1	1.80	-0.14
	PUEBLO	50	-4	0.86	0.30		MISSOULA	45	1	1.19	0.43		SAN ANGELO	67	0	0.82	-1.59
CT	BRIDGEPORT	54	-2	2.07	-1.03	NE	GRAND ISLAND	53	1	3.29	1.94		SAN ANTONIO	70	0	4.08	0.91
	HARTFORD	51	-2	1.86	-1.92		LINCOLN	54	0	3.44	1.32		VICTORIA	70	-1	12.45	8.99
DC	WASHINGTON	60	0	3.72	0.87		NORFOLK	53	1	2.42	0.82		WACO	68	0	2.12	-1.24
DE	WILMINGTON	56	0	2.33	-0.54		NORTH PLATTE	51	2	2.77	1.80		WICHITA FALLS	65	0	2.19	-0.55
FL	DAYTONA BEACH	73	0	5.29	1.16		OMAHA	54	1	4.90	2.62	UT	53	0	1.8	0.41	
	JACKSONVILLE	69	-1	4.91	2.00		SCOTTSSBLUFF	50	0	1.83	1.02	VT	BURLINGTON	48	-1	1.23	-1.84
	KEY WEST	79	-1	1.16	-3.27		VALENTINE	50	1	2.99	2.08	VA	LYNCHBURG	55	-2	1.84	-1.87
	MIAMI	78	0	2.80	-3.04	NV	ELY	45	-1	0.24	-0.85		NORFOLK	62	1	4.31	1.16
	ORLANDO	74	-1	4.22	1.80		LAS VEGAS	68	-1	0.00	-0.20		RICHMOND	59	0	3.25	-0.28
	TAMPA	74	0	4.20	2.19		RENO	49	-1	0.18	-0.22		ROANOKE	56	0	1.39	-2.46
	VALPARAISO/EGLIN	69	1	2.41	-0.52		WINNEMUCCA	48	-2	0.23	-0.38		WASH/DULLES	54	-1	2.75	-0.42
	WEST PALM BEACH	78	0	0.58	-6.03	NH	CONCORD	47	-1	1.44	-1.78	WA	HANFORD	53	-	0.92	0.54
GA	ATHENS	62	-1	7.75	4.47		NEWARK	56	-1	2.02	-1.02		OLYMPIA	50	0	8.37	4.06
	ATLANTA	62	-1	5.13	2.08		ALBUQUERQUE	56	0	0.38	-0.51		QUILLAYUTE	51	1	14.88	4.34
	AUGUSTA	63	-1	5.04	2.20	NJ	ALBUQUERQUE	56	0	0.38	-0.51		SEATTLE-TACOMA	51	-1	5.83	2.80
	COLUMBUS	66	0	2.77	0.56	NM	ALBANY	48	-2	1.91	-0.94		SPOKANE	47	0	1.68	0.89
	MACON	64	-1	3.19	1.01	NY	BINGHAMTON	47	-1	1.13	-1.75		YAKIMA	48	-2	1.72	1.25
	SAVANNAH	67	-1	5.65	3.26		BUFFALO	51	-1	2.29	-0.82		BECKLEY	51	-1	0.89	-1.98
HI	HILO	77	1	12.63	3.03		ROCHESTER	49	-2	1.94	-0.52	WV	CHARLESTON	55	-1	0.84	-2.05
	HONOLULU	81	1	2.67	0.39		SYRACUSE	49	-2	1.50	-1.73		ELKINS	50	-1	1.17	-1.92
	KAHULUI	80	2	-	-	NC	ASHEVILLE	55	-1	3.90	0.33		HUNTINGTON	56	-1	1.26	-1.67
	LIHUE	79	1	-	-		CHARLOTTE	63	1	3.94	0.58	WI	EAU CLAIRE	49	2	2.07	-0.36
ID	BOISE	52	0	0.55	-0.19		GREENSBORO	58	0	2.38	-1.12		GREEN BAY	48	0	0.93	-1.30
	LEWISTON	52	0	1.77	0.86		HATTERAS	63	-2	3.24	-1.78		MADISON	50	1	1.23	-0.94
	POCATELLO	48	-2	1.33	0.42		RALEIGH	59	-1	3.28	0.42		MILWAUKEE	62	1	1.11	-1.32
IL	CHICAGO/O'HARE	53	0	2.78	0.33	ND	WILMINGTON	64	-1	1.19	-1.50		CASPER	47	1	0.83	-0.13
	MOLINE	54	1	1.73	-1.20		BISMARCK	48	2	2.29	1.39	WY	CHEYENNE	46	-1	1.09	0.35
	PEORIA	55	1	2.31	-0.35		DICKINSON	47	2	0.88	-0.08		LANDER	46	-1	0.95	-0.19
	ROCKFORD	52	1	1.44	-1.45		FARGO	47	1	3.18	1.50		SHERIDAN	46	-1	1.49	0.30
	SPRINGFIELD	58	1	1.78	-0.81		GRAND FORKS	45	1	3.06	1.77		SAN JUAN	-	-	2.98	-2.68
IN	EVANSVILLE	58	0	1.73	-1.13		JAMESTOWN	47	2	1.50	0.54						
	FORT WAYNE	52	-1	0.97	-1.51	OH	WILLISTON	45	0	0.81	-0.16						
	INDIANAPOLIS	54	0	1.55	-1.08		AKRON-CANTON	51	-1	0.97	-1.38						
	SOUTH BEND	51	-1	2.16	-0.93		CINCINNATI	56	0	1.69	-1.16						
IA	BURLINGTON	-	-	2.47	-0.46		CLEVELAND	53	0	1.63	-0.90						
	CEDAR RAPIDS	52	1	3.48	1.18		COLUMBUS	55	1	1.45	-0.71						
	DES MOINES	54	0	4.83	2.02		DAYTON	54	0	1.27	-1.20						
	DUBUQUE	51	1	1.16	-1.58		MANSFIELD	52	-1	1.39	-0.94						
	SIoux CITY	53	1	1.29	-0.65		TOLEDO	52	1	1.24	-0.87						
	WATERLOO	52	2	5.71	3.14	OK	YOUNGSTOWN	62	0	1.18	-1.46						
KS	CONCORDIA	57	1	2.77	0.78		OKLAHOMA CITY	62	0	3.23	0.00						
	DODGE CITY	57	-1	4.94	3.68		TULSA	62	0	1.99	-1.87						
	GOODLAND	51	-1	2.56	1.66	OR	ASTORIA	53	0	11.55	5.83						
	TOPEKA	58	2	3.58	0.51		BURNS	44	-1	0.88	-0.05						
	WICHITA	59	1	3.39	1.17		EUGENE	51	-3	4.39	0.97						
KY	JACKSON	57	0	2.29	-0.91		MEDFORD	54	-1	2.19	0.71						
	LEXINGTON	56	-1	2.36	-0.21		PENDLETON	52	0	1.43	0.58						
	LOUISVILLE	59	1	1.43	-1.27		PORTLAND	54	-1	6.41	3.74						
	PADUCAH	58	-1	2.92	-0.10		SALEM	52	-1	6.48	3.49						
LA	BATON ROUGE	68	-1	4.21	0.73	PA	ALLENTOWN	52	-1	2.03	-0.90						

## National Agricultural Summary

November 3 - 9, 1997

### HIGHLIGHTS

**Wet snow or rainfall hampered harvest efforts in the Eastern United States. Rainfall was heaviest in New England and the mid-Atlantic States, where flooding caused erosion and damage to unharvested crops in**

**low-lying fields. Light rain in the Northwest delayed some fieldwork, but benefited the winter wheat crop. Elsewhere in the West, dry, warmer weather allowed fieldwork to progress under favorable conditions.**

**Corn:** The Nation's corn harvest was 84 percent (%) complete, ahead of 78% harvested at this time in 1996 and the 5-year average of 77%. In Iowa, harvest was complete in many areas, but lodged corn along with damp, cloudy weather slowed harvest of the remaining acreage. Harvest was slowly being completed in the northern areas of Illinois. Indiana corn harvest was controlled by dryer capacity in many areas as damp weather kept moisture content fairly high. Rain across Michigan hindered dry down, and wet fields made harvest difficult. In the western Corn Belt, drier conditions allowed producers back into fields and make good harvest progress.

**Soybeans:** Soybeans were harvested on 91% of the national acreage, compared with 88% last year and 90% for the average. Precipitation slowed harvest progress to near normal levels. Growers in Alabama, Arkansas, Kentucky, and Tennessee were able to make fair harvest progress between rainfalls. However, progress in several Southeastern States fell behind the normal pace. In Nebraska, harvest was slow as grain moisture content remained high and farmers focused on corn harvest.

**Cotton:** Cotton harvest advanced to 71% complete, compared with 70% in 1996 and the average of 71%. Harvest was most active in New Mexico as dry weather allowed growers to harvest 25% of their State's crop during the week. Ideal harvest weather in Texas allowed growers to make good harvest progress. Some late fields remained to be harvested along the Upper Coast. Harvest in California was rapidly drawing to a close in the San Joaquin Valley. Showers hindered harvest progress in the Southeast, and harvest progress remained behind normal in several States.

**Sorghum:** The sorghum acreage was 82% harvested, compared with 84% for both last year and the average. In Kansas, farmers tried to finish harvest where possible, but some areas needed the ground to dry out or freeze before machinery could enter fields. Colorado sorghum harvest was delayed again this week by melting snow from October's severe storm. Drier soils in Nebraska allowed growers to make some harvest progress. Growers in New Mexico, Oklahoma, and South Dakota made good progress with dry, warmer weather. Harvest neared completion in the Texas plains and north-central areas. Sorghum harvest in the Southeast was delayed by continued showers.

**Peanuts:** Peanut harvest advanced to 93% complete, 1 percentage point ahead of 1996. Harvest was in full swing in Texas, where some peanuts were lost due to freezing temperatures. Oklahoma growers made good progress despite cool, wet weather. In the Southeast, showers limited harvest activities.

**Winter wheat:** Planting of the 1998 winter wheat crop advanced to 94% complete, 1 point behind last year but equal to the average. Planting was most active in Arkansas and North Carolina as farmers planted winter wheat immediately following fall crop harvest. Seeding was nearly complete in Kansas, but wet soils kept farmers out of some fields. Cool, wet weather in Oklahoma delayed planting in some areas. Texas growers planted under mostly good conditions. Eighty-five percent of the winter wheat crop was emerged, compared with 88% in 1996 and the average of 84%. Precipitation in the Eastern States and the Northwest benefited emerged fields. Condition of the winter wheat crop rated mostly good.

# Crop Progress and Condition

## Week Ending November 9, 1997

### Winter Wheat Percent Planted

	Nov 9 1997	Prev Week	Prev Year	5-Yr Avg
AR	72	60	57	70
CA	15	7	29	23
CO	100	100	100	100
GA	13	9	15	20
ID	99	96	99	98
IL	99	97	96	95
IN	98	96	96	97
KS	98	96	99	99
MI	99	99	100	98
MO	93	86	87	86
MT	100	99	100	98
NE	100	100	100	100
NC	55	35	60	51
OH	99	97	94	98
OK	96	93	99	97
OR	95	93	95	93
SD	100	100	100	100
TX	92	86	99	90
WA	100	99	99	98
ALL	94	91	95	94

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

### Soybeans Percent Harvested

	Nov 9 1997	Prev Week	Prev Year	5-Yr Avg
AL	68	58	61	59
AR	74	65	67	75
GA	31	25	50	40
IL	99	98	94	97
IN	98	96	90	96
IA	99	99	98	99
KS	92	85	87	92
KY	71	60	61	72
LA	98	96	97	91
MI	90	87	91	91
MN	99	99	99	98
MS	89	85	86	81
MO	87	82	81	87
NE	94	92	100	100
NC	21	16	28	23
OH	97	95	84	95
SC	16	11	34	22
SD	100	98	100	97
TN	63	51	42	59
ALL	91	89	88	90

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

### Cotton Percent Harvested

	Nov 9 1997	Prev Week	Prev Year	5-Yr Avg
AL	68	56	81	76
AZ	74	64	62	78
AR	84	74	90	87
CA	85	75	73	82
GA	58	47	75	67
LA	98	98	100	96
MS	93	85	96	91
MO	82	72	79	85
NM	56	31	60	51
NC	50	34	72	63
OK	40	32	27	41
SC	55	41	81	65
TN	82	73	86	82
TX	62	45	46	53
ALL	71	59	70	71

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

### Sorghum Percent Harvested

	Nov 9 1997	Prev Week	Prev Year	5-Yr Avg
AR	99	99	100	99
CO	17	10	82	64
IL	91	89	68	83
KS	80	75	85	81
LA	100	100	100	100
MS	100	100	100	100
MO	89	82	84	85
NE	85	80	77	87
NM	59	48	34	53
OK	59	46	64	62
SD	90	80	90	86
TX	88	82	88	92
ALL	82	76	84	84

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

### Winter Wheat Percent Emerged

	Nov 9 1997	Prev Week	Prev Year	5-Yr Avg
AR	56	42	45	54
CA	5	2	14	9
CO	98	96	98	98
GA	8	5	9	13
ID	85	77	85	83
IL	93	86	82	84
IN	86	78	82	85
KS	91	89	97	94
MI	97	95	91	87
MO	77	65	70	68
MT	88	82	87	84
NE	100	100	100	100
NC	30	15	36	34
OH	88	71	77	86
OK	82	76	90	82
OR	75	70	82	78
SD	100	100	95	98
TX	80	70	94	76
WA	99	97	96	88
ALL	85	80	88	84

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

### Corn Percent Harvested

	Nov 9 1997	Prev Week	Prev Year	5-Yr Avg
CO	81	77	93	77
GA	100	98	100	99
IL	93	89	82	84
IN	75	59	62	72
IA	91	84	77	78
KS	94	93	96	93
KY	90	85	93	92
MI	31	15	49	50
MN	96	90	87	75
MO	91	87	83	82
NE	81	66	84	76
NC	96	95	99	98
OH	57	41	49	63
PA	53	46	56	57
SD	92	80	75	66
TX	100	99	100	100
WI	58	41	58	61
ALL	84	75	78	77

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

### Peanuts Percent Harvested

	Nov 9 1997	Prev Week	Prev Year	5-Yr Avg
AL	99	96	96	NA
FL	100	99	98	NA
GA	99	98	97	NA
NC	83	75	95	NA
OK	92	80	86	NA
SC	94	90	96	NA
TX	77	62	77	NA
VA	99	98	99	NA
ALL	93	87	92	NA

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

(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 3.7. Topsoil 2% short, 69% adequate, 29% surplus. Wheat planted 50%, 46% 1996, 54% avg. Livestock 2% poor, 18% fair, 75% good, 5% excellent. Wet, cool conditions hindered harvest in most areas. Rains created optimum conditions for seeding fall forages, fescue pastures, small grains.

**ARIZONA:** Small grain seeding started in some western, central areas. Alfalfa harvest activity 34% light, 11% moderate, 34% active, 21% not being harvested; 1% poor, 15% fair, 53% good, 31% excellent. Sheeping off of alfalfa fields has begun in some western, central areas. Bok choy, cilantro, carrots, broccoli, green onions, mixed greens, radishes, turnips, cantaloupe, honeydews shipped from central fields. Western growers shipped iceberg lettuce, cantaloupe, honeydew, watermelons. Some iceberg lettuce shipped from eastern area. Harvest of pink grapefruit, lemons continued in the central, western areas. Growers preparing for the tangerines, navel orange harvests.

**ARKANSAS:** Days suitable for fieldwork 4. Soil moisture 7% short, 59% adequate, 34% surplus. Main farming activities: Harvesting cotton, soybeans; planting wheat, winter pastures. Other farm activities: Cattle vaccination, feeding cattle, planting, fertilizing winter forages. Alfalfa hay 9% poor, 35% fair, 54% good, 2% excellent. Other hay 8% very poor, 15% poor, 40% fair, 34% good, 3% excellent.

**CALIFORNIA:** Field activities progressed normally as favorable conditions prevailed in most areas. Seedbed preparation for planting small grains, forage crops, new alfalfa was in full swing. Planting of wheat, barley, oats, winter forages, new alfalfa gained momentum. Rice stubble was burned where conditions permitted. Cotton harvest was rapidly drawing to a close in the San Joaquin Valley. Harvested cotton fields were immediately shredded, disced for pink bollworm control. Dry beans, corn for grain, silage, sugar beets were harvested in the Sacramento, San Joaquin Valleys. Planting of new crop sugar beets was ongoing in the central, southern San Joaquin Valley. Alfalfa, sudan grass were cut for hay or green chopped. Table grape harvest continued in the San Joaquin Valley; Ribier, Emperor, Red Globe, Crimson Seedless varieties were picked. Pomegranate, persimmon, kiwifruit harvests were also active. Olive picking was nearly complete. Pruning, other cultural activities continued in many fruit, nut orchards. Picking, packing of grapefruit, lemons, navel oranges, mandarins remained active. Broccoli, cauliflower continued to be harvested in the Salinas-Watsonville area. Lettuce harvest was active in the San Joaquin Valley. Artichokes, brussels sprouts were harvested in the central coast area. Cantaloupe, honeydew melons continued to be harvested in the Imperial Valley. Cauliflower, broccoli, spinach showed good progress. Desert valleys white flies remained a problem. Sweet potato harvest proceeded normally in Merced County. Harvest of fresh market tomatoes in the San Joaquin Valley progressed seasonally. Harvest of broccoli started in Tulare County, as the sweet corn harvest continued. Cauliflower was doing well, with some earlier fields forming heads. 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 feed, rangeland were in seasonally poor condition, with additional rainfall needed to initiate new forage growth. Supplemental feeding was necessary in most areas. Imperial County sheep were pastured on harvested alfalfa, sudan grass fields. Livestock were in excellent condition. Fall calving continued.

**COLORADO:** Days suitable for fieldwork 4.6. Topsoil 2% very short, 14% short, 60% adequate, 24% surplus. Subsoil 1% very short, 17% short, 71% adequate, 11% surplus. Producers experienced a warm week that aided in melting snowpack in the southeast part of the State, which was inundated from the previous weekend's storm. Most harvest operations are winding down for the season. Sorghum harvest has been delayed due to the severe

storm, will progress more rapidly when field conditions become favorable.

**DELAWARE:** Days suitable for fieldwork 2.3. Topsoil 80% adequate, 20% surplus. Subsoil 13% short, 70% adequate, 17% surplus. Field corn 75% harvested for grain, 90% 1996, 94% avg. Soybeans 37% harvested, 44% 1996, 52% avg. Sorghum 35% harvested, 62% 1996, 57% avg. Barley 7% fair, 90% good, 3% excellent. Wheat 6% fair, 90% good, 4% excellent; 68% seeded, 73% 1996, 70% avg. Hay 12% very short, 37% short, 51% adequate. Alfalfa 76% harvested 5th cutting, 84% 1996, 68% avg. Pasture feed 8% poor, 27% fair, 65% good. Activities: Corn, sorghum, soybean harvesting continued into 8th afternoon, when rain moved in, sowing of wheat continued, grazing on new stands by geese is still a problem.

**FLORIDA:** Topsoil is mostly adequate in Panhandle, northern, central, Peninsula with scattered area of surplus moisture. Southern Peninsula moisture short to adequate. Sugarcane growth is normal. Wet weather delayed cotton picking. Soybean harvest is winding down. Sugarcane harvest is active. Farmers are planting winter wheat for grain. One hundred percent of peanuts have been harvested. Cooler, drier weather aided vegetables in recovering from the recent abundant rain, strong winds deluges; boosted the setting of fruit for many crops. Windy conditions are increasing the need for irrigation of vegetables as topsoil becomes dry. Vegetables marketed include snap beans, cabbage, sweet corn, cucumbers, eggplant, endive, escarole, lettuce, okra, peppers, radishes, squash, Chinese cabbage, tomatoes, watermelons. Some rain most citrus areas. Growers irrigating mainly for fresh crops. New growth slowing, good on-tree color break. Maturity ahead of last year. Processors taking grove-run oranges, packing house eliminations. Packers shipping oranges, grapefruit, tangerines, tangelos, K-Earlys. Caretakers cutting cover crops, limited fertilizing, removing dead trees. Pasture feed 5% poor, 30% fair, 55% good, 10% excellent. Cattle 25% fair, 65% good, 10% excellent. Earlier seeded winter pasture grains in the north, central areas was beginning to emerge. Ranchers in many areas were seeding more winter pasture now that some rain fell, but excessive rain and poor field conditions kept others from planting. More cattlemen in the north were starting to feed hay as the quality of the pastures declined seasonally. Cattle, calves throughout the State were in generally good condition.

**GEORGIA:** Days suitable for fieldwork 3.6. Soil moisture 1% short, 64% adequate, 35% surplus. Cotton 4% very poor, 16% poor, 45% fair, 31% good, 4% excellent; 97% bolls open, 98% 1996, 97% avg. Rye 79% planted, 78% 1996, 79% avg. Sorghum 5% very poor, 21% poor, 52% fair, 21% good, 1% excellent; 77% harvested for grain, 79% 1996, 87% avg. Soybeans 16% very poor, 19% poor, 42% fair, 22% good, 1% excellent; 98% dropping leaves, 99% 1996, 100% avg. Other small grains 64% planted, 56% 1996, 61% avg. Onions 8% transplanted, 10% 1996, 11% avg. Apples 99% harvested, 100% 1996, 96% avg. Pecans 4% very poor, 23% poor, 37% fair, 33% good, 3% excellent; 34% harvested, 46% 1996, 37% avg. Pasture feed 4% very poor, 9% poor, 40% fair, 44% good, 3% excellent. Activities: Showers brought rain to most areas, limiting harvest of remaining row crops, planting of small grains. Cotton condition unchanged. Harvest progressed but still behind normal. Sorghum 7-10 days behind average. Condition dropped slightly. Wheat planting slightly behind normal. Wheat condition near steady. Planting of rye, other small grains continue good progress. Soybeans steady, harvest lags average about a week. Peanut, apple harvest virtually complete. Pecan condition virtually unchanged, harvest behind normal several days. Pasture feed good condition. Other activities: Over seeding pastures, soil sampling, defoliating cotton, caring for livestock, poultry.

**HAWAII:** Cooler, drier weather favored agriculture. Crop conditions good to fair. Head, Chinese cabbage harvesting active.

Seasonally cooler weather promotes growth. Cucumber harvesting active on islands of Oahu, Molokai; light elsewhere. Crop condition fair to good. Green pepper harvest active; plants made good progress. Tomato harvesting increased, fields on Hawaii Island into active harvest. Banana harvesting active, disease containment on Kauai continuing. Papaya harvesting active.

**IDAHO:** Days suitable for fieldwork 6.3. Apples harvested 97%, 98% 1996, 98% avg. Sugar beets harvested 97%, 92% 1996, 94% avg. Corn harvested for grain 59%, 57% 1996, 62% avg. Alfalfa hay harvested (4th cutting) 95%. Hay and roughage supply 4% surplus, 78% adequate, 14% short, 4% very short. Activities: Harvesting corn for grain, finishing apple, sugarbeet harvest, plowing, repairing machinery, weaning calves, preparing seed beds, seeding winter grains.

**ILLINOIS:** Days suitable for fieldwork 3.0. Topsoil 1% very short, 17% short, 70% adequate, 12% surplus. Combination of above-normal precipitation, below-normal temperatures across the State last week brought most operations to a halt. Corn harvest is slowly being completed in the northern districts, while fall tillage was the most common activity across the remainder of the State. Rains have been most beneficial to the emerging wheat crop, cool temperatures have prevented the plants from gaining much growth. Topsoil moisture improved. Other farm activities included fertilizer, lime application, signing up acreage into the CRP, hauling grain, preparing machinery for storage.

**INDIANA:** Days suitable for fieldwork 3.9. Topsoil 3% very short, 22% short, 69% adequate, 6% surplus. Subsoil 11% very short, 39% short, 46% adequate, 4% surplus. Corn harvest progress was controlled by drier capacity in many areas as damp weather kept moisture content fairly high. Some wheat emergence problems have been reported due to poor soil moisture conditions. Activities: Harvesting corn, soybeans, planting wheat, tilling harvested soybean, corn acreage, applying fertilizer, lime, caring for livestock.

**IOWA:** Days suitable for fieldwork 4.0. Topsoil 2% very short, 11% short, 77% adequate, 10% surplus. Subsoil 7% very short, 28% short, 62% adequate, 3% surplus. Harvest complete in many areas. Lodged corn, damp, cloudy weather slowed harvest of remaining corn, beans. Corn acreage harvested 91%, 77% 1996, 78% avg. Soybean acreage harvested 99%. Field corn moisture 18%; corn harvested moisture 17%. Corn yet to be harvested, lodging 17% none, 32% light, 38% moderate, 13% heavy; ear droppage 22% none, 42% light, 30% moderate, 6% heavy. Use of stubble fields 23% none, 37% limited, 35% moderate, 5% extensive. Grain movement 20% none, 44% light, 29% moderate, 7% heavy. Grain storage availability off-farm 12% short, 83% adequate, 5% surplus; on-farm 17% short, 76% adequate, 7% surplus. Completion of 1998 row crop fall tillage 41%, 22% 1996, 27% avg.; fall fertilizer applied 37%, 23% 1996, 24% avg. Winter wheat planted 89%, 99% 1996, 100% avg. Livestock good. Wet, snowy weather hard on lighter animals. Feed lots remained muddy.

**KANSAS:** Days suitable for fieldwork 4.5. Topsoil 2% short, 90% adequate, 8% surplus. Subsoil 9% short, 87% adequate, 4% surplus. Wheat pastured 5%, 4% 1996, 5% avg. Wheat seeding is nearly complete. Farmers trying to finish harvest where possible. Some areas need the ground to dry out or freeze up before continuing with harvest. Sunflowers harvested 84%, no historic data. Stock water 5% short, 92% adequate, 3% surplus. Livestock producers were weaning calves, moving cattle off pastures to crop residue and wheat fields.

**KENTUCKY:** Days suitable fieldwork 3.5. Topsoil 3% very short, 26% short, 64% adequate, 7% surplus. Subsoil 10% very short 35% short, 51% adequate, 4% surplus. Rain improved winter wheat, pastures, ground water supplies. Delayed corn, soybean harvest, helped tobacco stripping. Burley stripped 24%, 32% 1996, 33% avg. Quality of stripped tobacco 2% very poor 10% poor, 42% fair, 38% good, 3% excellent. Winter wheat seeded 89%, 87% 1996, 85% avg. Pasture feed 10% very poor, 23% poor, 45% fair, 18% good, 4% excellent. Livestock mostly good. Some concerns about winter feed supplies.

**LOUISIANA:** Days suitable for fieldwork 5.4. Soil moisture 3% very short, 21% short, 68% adequate, 8% surplus. Cotton harvest was delayed by rain, most farmers were nearing completion. Pecans 10% very poor, 15% poor, 48% fair, 27% good; 46%

harvested, 45% 1996, 34% avg. Soybean harvest was nearly complete, but rain has kept some farmers from finishing up. Sugarcane 4% poor, 23% fair, 57% good, 16% excellent; 37% harvested, 35% 1996, 39% avg. Sugarcane harvest made excellent progress and sucrose levels continued above average. Sweet potatoes 91% harvested, 90% 1996, 88% avg. Wheat 70% planted, 45% 1996, 49% avg.; 37% emerged, 26% 1996, 33% avg. Winter wheat planting made excellent progress and was running ahead of schedule due to favorable weather. Livestock 11% poor, 39% fair, 47% good, 3% excellent. Vegetables 5% very poor, 18% poor, 41% fair, 33% good, 3% excellent. Pasture 2% very poor, 16% poor, 44% fair, 36% good, 2% excellent. Ryegrass planting continued, as well as fertilization of existing stands.

**MARYLAND:** Days suitable for fieldwork 3.2. Topsoil 8% short, 46% adequate, 46% surplus. Subsoil 6% very short, 19% short, 59% adequate, 16% surplus. Field corn 82% harvested for grain, 89% 1996, 86% avg. Soybeans 56% harvested, 64% 1996, 61% avg. Sorghum 51% harvested, 56% 1996, 62% avg. Barley 2% poor, 13% fair, 68% good, 17% excellent; 95% seeded, 98% 1996, 96% avg. Rye 1% very poor, 4% poor, 21% fair, 60% good, 14% excellent; 88% seeded, 84% 1996, 84% avg. Wheat 2% very poor, 5% poor, 15% fair, 58% good, 20% excellent; 73% seeded, 79% 1996, 79% avg. Apples 96% harvested, 97% 1996, 96% avg. Hay supplies 20% very short, 46% short, 33% adequate, 1% surplus. Alfalfa hay 71% 5th cutting, 76% 1996, 65% avg. Clover, other hays 94% 4th cutting, 92% 1996, 86% avg. Activities: Continued rain slowed harvesting of corn, soybeans; seeding of small grains.

**MICHIGAN:** Days suitable for fieldwork 4.5. Topsoil 2% short, 76% adequate, 22% surplus. Subsoil 1% very short, 12% short, 72% adequate, 15% surplus. Rain occurred across the State. Hindered dry down, wet fields made harvest difficult. All hay 4th cutting harvested 93% 1997, 95% 1996, 90% avg.

**MINNESOTA:** Days suitable for fieldwork 3.3. Topsoil 1% very short, 6% short, 83% adequate, 10% surplus. Subsoil 2% very short, 12% short, 82% adequate, 4% surplus. Corn 96% harvested, 87% 1996, 75% avg.; 19% moisture content, 20% 1996, 22% avg.; 79% stubble worked, 51% 1996, 47% avg. Sunflowers 97% harvested, 98% 1996, 94% avg.

**MISSISSIPPI:** Days suitable for fieldwork 4.1. Soil moisture 6% short, 59% adequate, 35% surplus. Soybeans 89% harvested, 86% 1996, 81% avg. Sweet potatoes 89% harvested, 90% 1996; 94% avg. Pecans 45% harvested, 30% 1996, 35% avg.; 15% very poor, 11% poor, 27% fair, 42% good, 5% excellent. Wheat 77% planted, 88% 1996, 76% avg.; 64% emerged, 67% 1996, 61% avg.; 24% fair, 75% good, 1% excellent. Cattle 3% poor, 21% fair, 66% good, 10% excellent. Activities: Harvesting corn, cotton, rice, soybeans, planting wheat, weather permitting.

**MISSOURI:** Days suitable for fieldwork 2.8. Topsoil 1% very short, 7% short, 77% adequate, 15% surplus. Ground worked for spring crops 36%, 29% 1996, 26% avg. Harvesting progress of corn, sorghum remains ahead of both 1996, avg.; while soybeans are near normal, despite heavy showers, cooler weather. Bean harvesting most advanced northeast, north-central, central, east-central districts with 97%, 95%, 93%, 91%, respectively. Bean harvesting least advanced in the south-central, southeast at 74%. Corn harvesting in southern two-thirds of State ranges from 95-100%, northern third is least advanced with districts ranging from 83-86%. Sorghum harvesting over 95% complete southern third of State, northeast, central districts least advanced at 78%. Pasture feed 2% very poor, 10% poor, 35% fair, 51% good, 2% excellent.

**MONTANA:** Days suitable for fieldwork 6.1. Topsoil 13% very short, 29% short, 57% adequate, 1% surplus. Subsoil 13% very short, 38% short, 48% adequate, 1% surplus. Row crop harvest is complete. Late tillage work in progress in some areas of State. Potatoes harvested 100%, 100% 1996, 99% avg. Sugar beets harvested 100%, 100% 1996, 98% avg. Cattle, calves moved from summer ranges 85%, 85% 1996, 87% avg. Sheep, lambs moved from summer ranges 88%, 88% 1996, 90% avg.

**NEBRASKA:** Days suitable for fieldwork 5.2. Subsoil 14% short, 81% adequate, 5% surplus. Topsoil 6% short, 80% adequate, 14% surplus. Drier soil conditions last week allowed producers back into the field, work on remaining unharvested crops. Corn 81% harvested, 84% 1996, 76% avg.; additional high winds across the

State caused lodging. Soybeans 94% combined, 100% 1996, 100% avg.; harvest slow due to producers focus on corn, high grain moisture content. Sorghum 85% harvested, 77% 1996, 87% avg. Winter wheat 4% poor, 20% fair, 66% good, 10% excellent. Producers weaning, moving cows to stalks fields; muddy lots.

**NEVADA:** Some light precipitation fell north-central, northeast, south remained dry. Pasture, range forage supplies remained mostly good; excellent in some eastern localities. Final cutting of hay lingered under the continued fair conditions. Alfalfa 4th cutting advancing north, 5th, some 6th cutting south. Most fall seeded grain acreage emerged, starting good. Some late planting continues. Corn harvest complete. Garlic planting advanced. Calf crop being weaned, stock moved to winter ranges. Main farm, ranch activities: Moving cattle, marketing calves, haying.

**NEW ENGLAND:** Oats in Maine 100% harvested, 100% 1996, 100% avg.; condition good. Barley in Maine 100% harvested, 100% 1996; condition good. Field corn 99% harvested, 99% 1996, 99% avg.; condition good. Second cut hay 100% harvested, 100% 1996, 100% avg.; condition good to fair. Third cut hay 99% harvested, 99% 1996, 99% avg.; condition good. Apples 100% harvested, 100% 1996, 100% avg.; fruit size avg.; condition good to excellent. Cranberries 100% harvested, 100% 1996; fruit size avg. to above avg.; condition good to excellent. Above-average temperatures last week. More rain fell, especially in southern area. Soil conditions still favorably moist. Major farm activities: Mending fences; spreading manure; disking down harvested fields; spreading lime, fertilizer.

**NEW JERSEY:** Days suitable for fieldwork 4. Topsoil adequate to surplus. Main farming activities: final harvesting of fall vegetables, planting cover crops, cleaning equipment. Light volume of peppers, cabbage, lettuce (all types), beets, herbs, endive, escarole, parsley, and spinach. Harvesting of soybeans, corn for grain, silage continues. Pasture feed fair to good. Apple harvest is virtually complete.

**NEW MEXICO:** Days suitable for fieldwork 7.0. Topsoil 1% very short, 40% short, 58% adequate, 1% surplus. Few hay producers are still working on the last cutting of the year. Alfalfa 5% poor, 15% fair, 75% good, 5% excellent; 6th cutting 92% complete, 84% 1996. Cotton harvest progressed quickly last week, jumping to 56% complete, 60% 1996, 51% avg.; 3% poor, 32% fair, 60% good, 5% excellent. Sorghum harvest advanced past the midway point to 59% harvested, 34% 1996, 53% avg.; 1% poor, 34% fair, 65% good. Red chile harvest progressed steadily, moving to 52% complete, 49% 1996; 21% fair, 79% good. Corn 3% fair, 87% good, 10% excellent; 94% of grain harvested, 89% 1996. Wheat 1% poor, 26% fair, 73% good. With pecan harvest about 2 weeks away, the crop 20% fair, 80% good. Cattle, sheep remained in mostly good condition. Range, pasture feed 9% poor, 35% fair, 53% good, 3% excellent.

**NEW YORK:** Mild week permitted outside work to progress rapidly. Apple picking near completion. Growers grading, packing, putting apples in storage. Cider making very active. Orchard clean-up continued. Potato, onion growers grading packing crops. Wine making in high gear. Producers in many areas took time off for hunting. Grain corn harvest progressed past the half-way mark under ideal weather conditions. Rain over the weekend halted activities.

**NORTH CAROLINA:** Days suitable for fieldwork 4.4. Soil moisture 1% very short, 6% short, 69% adequate, 24% surplus. Rainfall that continues to slow the harvesting progress of the already tardy cotton, peanut, and soybean crops, is slowing the progress of small grain plantings. Some tobacco in the Old Belt was frost damaged as that market approaches a close. Christmas tree harvest is in full swing, corn harvest is wrapping up. Activities for the week included: Harvesting corn, cotton, sorghum, soybeans, sweet potatoes, Christmas trees; digging, harvesting peanuts; preparing, grading tobacco for market; cutting, baling hay; planting small grains; planting cover crops; maintaining pastures; tending livestock; repairing equipment.

**NORTH DAKOTA:** Harvest of corn, sunflowers is finished or nearly complete in most counties. Long fall season has helped farmers prepare for winter earlier than last year. Soils are freezing

up, ending tillage, fall fertilizer applications. Ranchers are moving cattle in, hauling hay, with some herds beginning to receive supplemental feed. Livestock marketings are normal, grain marketings are slower than normal. Producers are already contemplating next year's crops due to low prices, scab, crop rotations, etc.

**OHIO:** Days suitable for fieldwork 4.5. Topsoil 1% very short, 15% short, 78% adequate, 6% surplus. Corn harvested for grain 5 days ahead of the avg.; harvested for silage 99%, 99% 1996, 100% avg. Soybeans harvested 2 percentage points ahead of the avg. Winter wheat seeded nearing completion; emerged about 2 days ahead of the avg. Tobacco 15% stripped. Fall, winter apples 96% harvested. Grapes 98% harvested. Hay 2% very poor, 6% poor, 38% fair, 45% good, 9% excellent. Activities: Corn drying; baling, chopping, discing corn stalks; hauling, binning grain; soil sampling; applying lime, fertilizer; hauling, spreading manure; fall tillage; preparing buildings for winter; maintaining, putting farm equipment away for winter; ornamental tree harvest; firewood cutting.

**OKLAHOMA:** Days suitable for fieldwork 5.6. Topsoil moisture 10% short, 87% adequate, 3% surplus. Subsoil moisture 3% very short, 6% short, 89% adequate, 2% surplus. Every station received rainfall except areas of Panhandle. Row crop harvest interrupted by cool, wet weather. Oats 83% planted, 80% 1996, 75% avg.; 53% up to stand, 50% 1996, 54% avg. Soybeans 66% harvested, 78% 1996, 69% avg. Peanuts 92% dug, 86% 1996, 79% avg.; 83% combined, 78% 1996. Alfalfa hay 72% 5th cutting, 76% 1996, 80% avg.; 21% 6th cutting, 21% 1996, 15% avg. All other hay 84% 2nd cutting, 100% 1996, 100% avg. Livestock 5% poor, 28% fair, 64% good, 3% excellent. Feeder steer prices down \$1 per cwt.

**OREGON:** Grass seed, wheat planting winding down. Weed spraying continued in Mid-Columbia area. Container movement at nurseries very active. Some nurseries started early bare-root plant lifting. Greenhouses busy with winter plants, preparing for early spring flowers. Christmas tree harvest underway. Vegetable harvest completed in most areas. Eastern regions onion, potato harvests winding down. Willamette Valley transporting hazelnuts, walnuts for processing. Fall apples, Asian pears, kiwi harvests winding down. Rogue River Valley apples nearing completion, grape harvest winding down, hazelnut, walnut harvests began. South coast cranberry harvest completed. Milton-Freewater Fuji apples nearing completion. Livestock condition good to excellent across State. Western counties, pasture growth continued, nearly grazed off in some areas. Eastern counties, cattle movement off ranges, weaning continued. Winter farm and ranch activities underway.

**PENNSYLVANIA:** Days suitable for fieldwork 3.9. Soil moisture 3% very short, 25% short, 67% adequate, 5% surplus. Fair week for fieldwork. Soybean harvest 68% complete, 58% 1996, 64% avg. Potato harvest 98% complete, 93% 1996, 97% avg. Fall plowing 86% complete, 83% 1996, 87% avg. Wheat planted 92% complete, 91% 1996, 95% avg. Wheat emerged 73% complete, 74% 1996, 74% avg. Barley emerged 90% complete, 90% 1996, 90% avg. Alfalfa 4th cutting 85% complete, 85% 1996, 85% avg. Apple harvest 90% complete, 93% 1996, 95% avg. Activities: Making hay, haylage; harvesting corn, soybeans, potatoes; seeding wheat; plowing fields; cleaning, repairing, storing machinery; hauling manure; caring for livestock.

**SOUTH CAROLINA:** Days suitable for fieldwork 5.2. Soil moisture 88% adequate, 12% excellent. Apples 99% harvested, 99% 1996, 96% avg.; 42% fair, 58% good. Barley 97% planted, 73% 1996, 64% avg.; 87% emerged, 62% 1996, 52% avg.; 2% fair, 57% good, 41% excellent. Oats 81% planted, 76% 1996, 68% avg.; 64% emerged, 58% 1996, 54% avg.; 2% poor, 26% fair, 58% good, 14% excellent. Pecans 50% harvested, 45% 1996; 56% fair, 44% good. Rye 84% planted, 71% 1996, 65% avg.; 67% emerged, 57% 1996, 52% avg.; 40% fair, 53% good, 7% excellent. Sorghum 96% harvested, 98% 1996, 79% avg.; 1% very poor, 15% poor, 49% fair, 35% good. Sweet potatoes 94% harvested, 76% 1996, 69% avg.; 3% poor, 28% fair, 68% good, 1% excellent. Winter grazings 86% planted, 87% 1996, 82% avg.; 75% emerged, 75% 1996, 69% avg.; 1% very poor, 3% poor, 33% fair, 57% good, 6% excellent. Winter wheat 40% planted, 32% 1996, 23% avg.; 30% emerged, 16% 1996, 12% avg.; 1% poor, 25% fair, 71% good, 3% excellent.

**SOUTH DAKOTA:** Days suitable for fieldwork 5.5. Topsoil 1% very short, 10% short, 82% adequate, 7% surplus. Subsoil 1% very short, 8% short, 82% adequate, 9% surplus. Stock water 3% short, 89% adequate, 8% surplus. Major activities: Harvesting row crops for grain, fall tillage, servicing machinery for storage, moving hay, livestock, weaning calves. Winter rye 2% poor, 29% fair, 35% good, 34% excellent. Livestock 1% poor, 7% fair, 69% good, 23% excellent. Sunflower 97% harvested, 94% 1996, 89% avg.

**TENNESSEE:** Days suitable for fieldwork 3.0. Topsoil 4% short, 59% adequate, 37% surplus. Subsoil 8% short, 69% adequate, 23% surplus. Tobacco 47% burley stripped, 49% 1996, 54% avg. Winter wheat 77% seeded, 69% 1996, 73% avg. Wheat 16% fair, 64% good, 20% excellent. Producers were able to harvest a considerable amount of cotton, soybeans during the early part of last week, plant winter wheat. Soybean growers took advantage of every opportunity, pushed soybean harvest slightly above the normal pace. Over 60% of the soybean crop has been harvested, over 80% of the cotton acreage harvested. Burley tobacco producers have fallen approximately 5 days behind schedule, with 47% of the crop stripped. Winter wheat seeding remains a few days ahead of the 5-year average. Last week's rainfall will continue to aid in germination of the wheat crop, pasture growth was stimulated from the recent rainfall. Moisture supplies left the very short category for the first time last week since mid-October.

**TEXAS:** Most areas in the plains, north-central experienced cool mornings, warm afternoons. Warm, mild weather conditions were beneficial for remaining crop harvest in these areas. East witnessed light frost, rain, with some parts of the East receiving up to 4 inches of rain. Livestock remained in mostly good condition. Small grains prospects in the High Plains were looking good. However, rain is needed. Early-planted wheat is going well, with good stand, will need additional moisture soon. Later-planted wheat will also need moisture. Heavy rains in parts of the east were very needed due to dry conditions. South, some problems with army worms have occurred. Wheat planting continued, with good planting conditions. Corn harvest was completed in the plains by the end of the week. Most producers were pleased with yields that were above normal. Cotton, ideal harvest weather in the plains, north-central areas made for good progress during the week. Yields, quality have been very good on most irrigated, dryland fields. Some late fields remained to be harvested along the Upper Coast, yields and quality may be disappointing. Grain sorghum harvest neared completion in plains, north-central areas. Some sorghum remaining to be harvested is seed Milo. Harvest should be completed by the end of the month. Peanut harvest was in full swing. Some peanuts were lost due to the freeze. Plains peanuts were yielding well and the quality looks good. Blacklands, some Spanish nuts were affected with aflatoxin. Sugar beet harvest was in full swing in the High Plains. Some areas of the Plains, sugar beet fields have virtually been harvested 33% harvested, 49% 1996, 53% avg. Other Crops: Pecans 12% harvested, 25% 1996, 29% avg. Sunflowers 79% harvested, 83% 1996, 76% avg. Oats 78% planted, 91% 1996, 74% avg.

**Commercial Vegetables:** Rio Grande Valley, some irrigation continued. Planting also continued. San Antonio Winter Garden, late watermelon harvest will begin very soon. Spinach planting continued with some fields indicating emergence of plants. Some worm activity occurred on cabbage, which is also making good progress. East, fall crops were winding down. Cold tolerant crops were doing especially well. Trans-Pecos, most land was being prepared for spring planting. Red chile harvest continued. Some onions have also been planted. Pecan harvest continued in most areas, with excellent yields, good quality. Trans Pecos area has started shell hardening and ground preparations for harvest.

**Range and Livestock:** Winter ranges, pastures in most areas are fair to good. Parts of the plains have not received any moisture in several weeks, which has increased fire hazards. Livestock remain in mostly fair to good condition. Supplemental feeding remained steady.

**UTAH:** Major farm, ranch activities were moving remaining cattle from summer to winter ranges, plowing, disking fields, completing corn grain harvest. Heavy rainfall throughout the season increased growth of grass on ranges, also decreased some quality of hay. Harvest season is complete for most of State, all looks good heading into the winter months.

**VIRGINIA:** Days suitable for fieldwork 3.5. Topsoil 8% short, 52% adequate, 40% surplus. Subsoil 4% very short, 16% short, 68% adequate, 12% surplus. Corn 80% harvested, 89% 1996, 89% avg. Soybeans 98% dropping leaves; 39% harvested, 34% 1996, 39% avg.; 11% very poor, 23% poor, 35% fair, 26% good, 5% excellent. Cotton 45% harvested, 53% 1996, 53% avg. Fall apples 99% harvested, 100% 1996, 100% avg. Winter apples 95% harvested, 97% 1996, 93% avg. Peanuts 99% dug, 99% 1996, 99% avg.; 98% combined, 94% 1996, 97% avg. Barley 90% seeded, 92% 1996, 89% avg. Winter wheat 54% seeded, 48% 1996, 57% avg. Pasture feed 1% very poor, 23% poor, 42% fair, 31% good, 3% excellent. Small grains, grazing crops 3% poor, 33% fair, 53% good, 11% excellent. Livestock 2% poor, 25% fair, 67% good, 6% excellent. Heavy rain, wet field conditions greatly reduced farm activity throughout State. Some central, northern localities received as much as 5 inches of rainfall over the weekend. Recent rains in addition to previous rainfall have replenished water supplies throughout most of the State. However, some localities reported flood damage to low-lying corn, soybean fields. Heavy rains also caused some topsoil erosion where small grains were recently seeded. Producers in drier localities were able to get their small grains seeded earlier during the week. As peanut harvest nears completion, it remains slightly ahead of last year and the 5-year average. Grain corn harvest has made little progress. Some soybean producers are concerned with the tremendous amount of deer damage to their crop. Tobacco producers continue curing, stripping, marketing.

**WASHINGTON:** Days suitable for fieldwork 4.7. Topsoil 67% adequate, 33% surplus. Subsoil 11% short, 86% adequate, 3% surplus. Winter wheat 100% planted, 99% 1996, 98% avg.; 99% emerged, 96% 1996, 88% avg. Light rains throughout State delayed some fieldwork. Winter wheat planting was completed. Emergence looked good, conditions were reported as generally good throughout the State. Corn for grain 50% harvested, 24% 1996, 57% avg. Corn silage, potato, dry bean harvests were completed. Sugar beet, field corn harvests continued. Hay, other roughage supplies 2% short, 96% adequate, 2% surplus. Range, pasture feed 5% very poor, 5% poor, 20% fair, 70% good. Western area pastures were improving, still very wet. East of the Cascade mountain range, pastures were in good condition relative to the time of year. Cattle were moved to crop fields to graze residue. Central areas wine grape, apple harvests were nearly complete. Concord grape harvest continued, quality deteriorated rapidly. 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, with most sales going for shipment to Hawaii. U-Pick pumpkin places reported record sales for the season.

**WEST VIRGINIA:** Days suitable for fieldwork 3.0. Topsoil 2% very short, 12% short, 78% adequate, 8% surplus. Corn 67% harvested grain, 57% 1996, 78% avg. Soybeans 75% harvested grain, 52% 1996, 72% avg. Winter wheat 50% fair, 50% good; 72% planted, 91% 1996, 89% avg. Cattle 23% fair, 72% good, 5% excellent. Sheep 1% poor, 31% fair, 66% good, 2% excellent. Activities: Harvesting corn, winter wheat planting, marketing livestock, general maintenance.

**WISCONSIN:** Days suitable for fieldwork 4.4. Soil moisture 1% very short, 9% short, 82% adequate, 8% surplus. Some farmers were waiting for the corn to dry down more. A reporter from Lafayette County observed yields were a little above average, but with high test weights. Soybean fields that were not yet harvested last week have gained moisture. Winter wheat looked good to excellent in Calumet, Walworth, Waukesha Counties. Other activities on the farm included: Supplementing cattle fed on pastures, machinery maintenance, manure hauling, mold board plowing, chisel plowing, grain drying. Drying costs may be higher this year due to wet weather conditions, higher LP gas prices. Christmas tree harvest was in full swing in Marquette County. Fall tillage 43% complete, 38% 1996, 48% avg.

**WYOMING:** Snow halted all fieldwork. Corn for grain 61% harvested, 91% 1996, 83% avg. Producers were busy feeding livestock, maintaining farm equipment, preparing for winter.

# International Weather and Crop Summary

November 2 - 8, 1997

## HIGHLIGHTS

**FSU-WESTERN:** Unseasonably cold weather likely induced dormancy in winter grains as far south as southern Ukraine.

**EUROPE:** Wet, blustery weather prevailed over northwestern areas, slowing fieldwork but providing favorable moisture for winter crop establishment.

**NORTHWESTERN AFRICA:** Widespread showers in Morocco, Algeria, and Tunisia favored early winter grain planting.

**AUSTRALIA:** Widespread, locally heavy rain benefited emerging sorghum and cotton.

**SOUTH ASIA:** Seasonably drier weather aided maturing summer grains, oilseeds, and cotton.

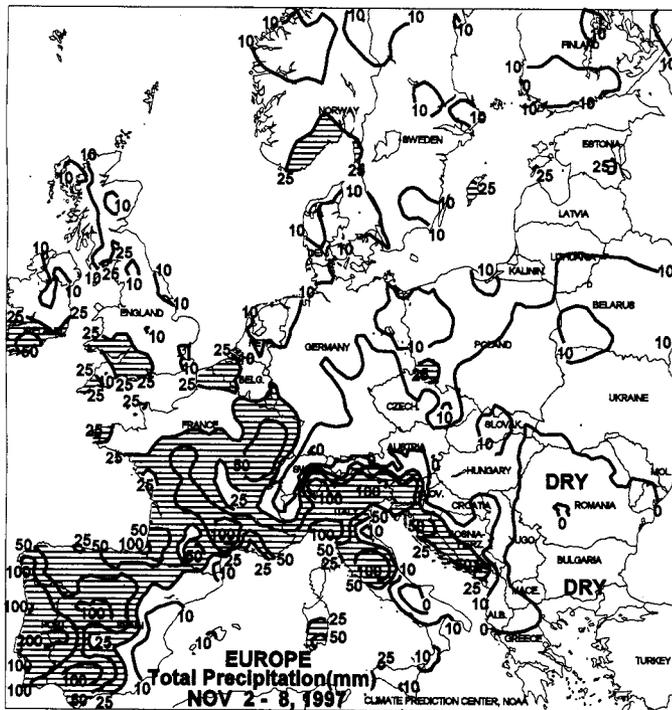
**SOUTH AFRICA:** Unfavorably warm, dry weather reduced topsoil moisture reserves for corn germination.

**SOUTHEAST ASIA:** Continued dry weather worsened drought across Java and southern Sumatra.

**EASTERN ASIA:** Dry weather covered most of eastern Asia, favoring summer crop harvesting.

**SOUTH AMERICA:** Heavy rain again slowed soybean planting in southern Brazil.

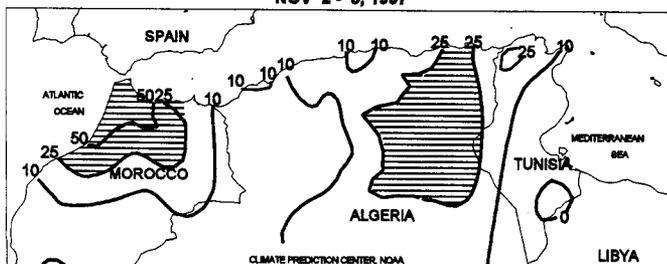
**MEXICO:** Details on the hurricane that struck the southern coast will appear in a special summary in next week's *Weekly Weather and Crop Bulletin*.



### EUROPE

Wet, blustery weather conditions prevailed over the western half of the region, slowing fieldwork but providing favorable moisture for winter crop establishment. Precipitation amounts ranged from 25 to 50 mm in England, France, the Benelux countries, and Germany. Farther south, welcomed rain (25-50 mm) fell in northern Italy, providing favorable moisture for winter grain establishment. Heavy rain (100-200 mm) caused some flooding in Portugal and southern Spain, halting cotton harvesting and winter grain planting. Lesser amounts of rain (25-50 mm) fell in northern Spain. In eastern Europe, mostly dry weather stretched from Poland southward through Bulgaria, helping late summer crop harvesting and winter grain planting. Dry weather in Greece favored cotton harvesting. Unusually cold weather occurred in Romania, Bulgaria, and Yugoslavia, where weekly temperatures averaged 2 to 4 degrees C below normal. The cold weather in these areas halted further growth of winter grains. Furthermore, extreme minimum temperatures in these areas ranged from -2 to -9 degrees C. By week's end, a warming trend spread across eastern Europe, with minimum temperatures rising above freezing.

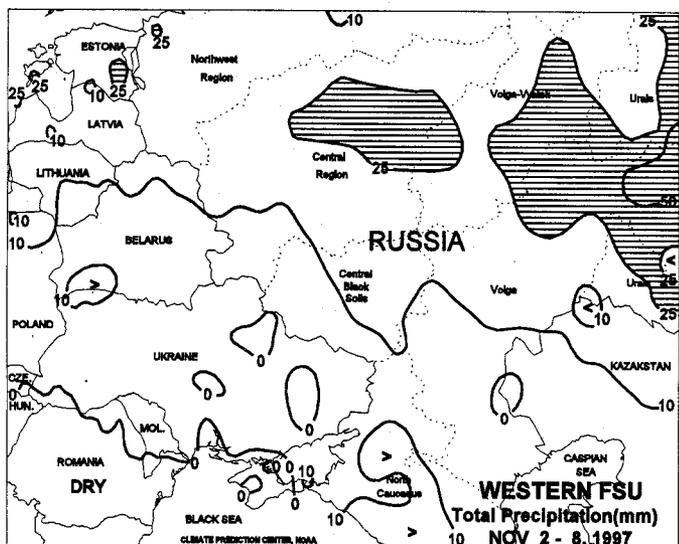
**NORTHWEST AFRICA TOTAL PRECIPITATION (mm)**  
NOV 2 - 8, 1997



### NORTHWESTERN AFRICA

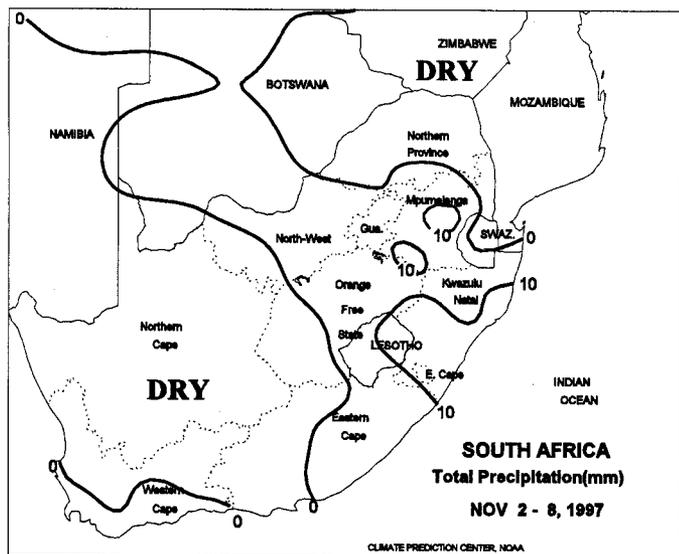
Preparations for winter grain planting continued over the region. Light to moderate showers (10-50 mm, with local amounts in excess of 50 mm) fell in Morocco, helping to condition topsoils for planting. In Algeria and Tunisia, light showers (10-25 mm) continued to moisten topsoils for early planting. Typically, winter grains in the region are planted from mid-November to mid-December.

**FSU-WESTERN**



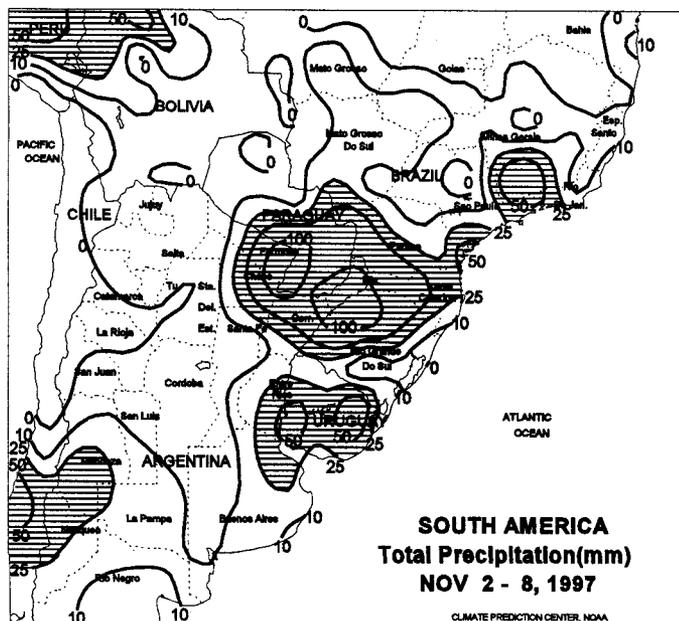
Unseasonably cold weather continued to prevail over most of the region, inducing dormancy in winter grains as far south as the southern Ukraine. During midweek, light snow spread over dormant winter grains from the Baltic States and Belarus eastward through northern Russia. Farther south, unseasonably cold, dry weather prevailed over winter grain areas in Ukraine and southern Russia, where weekly temperatures averaged 2 to 4 degrees C below normal. Furthermore, extreme minimum temperatures ranged from -5 to -10 degrees C. The dry weather in these areas favored late harvest activities. In Russia, reports as of November 3 indicated that sugarbeets and sunflowers were 95 and 85 percent harvested, respectively. At week's end, mild weather spread eastward over winter grain areas, with snow changing to light rain across the north. By week's end, maximum temperatures ranged from 2 to 10 degrees C in the Baltics and northern Russia, and 15 to 20 degrees C in Ukraine, southern Russia, and Belarus. In cotton-growing areas of central Asia, periodic showers (10-25 mm, with local amounts in excess of 40 mm) fell in Uzbekistan and Tajikistan, causing some interruptions in cotton harvesting.

**SOUTH AFRICA**



Dry, warm weather persisted across the corn belt. Temperatures averaged 2 to 4 degrees C above normal, reaching the mid 30's C in western growing regions of Orange Free State and Northwest Province. As a result, emerging corn will need moisture soon to curtail stress. Rain is still needed across southern sections of the corn belt before planting can begin in earnest. November is typically a critical month for corn planting as later planted crops run a higher risk of summer heat stress. Elsewhere, warm, dry weather extended along the southern and eastern coasts from Western Cape to Kwazulu-Natal, although light showers (10-20 mm) fell in the main sugarcane areas.

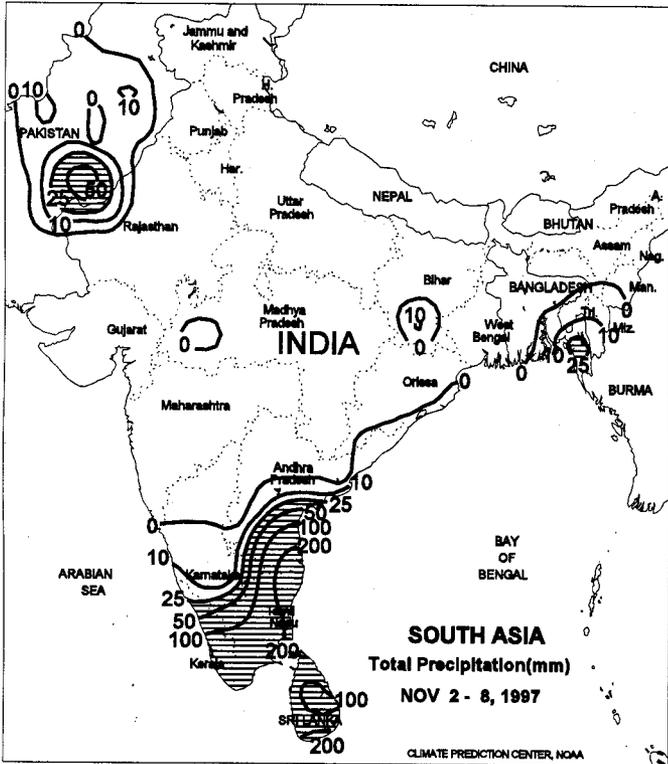
**SOUTH AMERICA**



Moderate to heavy rain (50-100 mm, with isolated amounts greater than 175 mm) slowed soybean planting across northern Rio Grande do Sul and western Santa Catarina. This region has been plagued with persistent heavy showers during the past few weeks, which has hampered planting activities. In Parana and Mato Grosso do Sul, light to moderate showers (10-30 mm) boosted planting moisture without slowing fieldwork. In Mato Grosso and Goias, light, scattered showers (5-20 mm) and hot weather (highs ranging from 38-40 degrees C) limited soil moisture for soybean planting. In central Argentina, light rain (5-15 mm) maintained topsoil moisture for summer crop planting and winter wheat development. In northern Argentina and southern Paraguay, showers (50-125 mm) boosted moisture for cotton and soybean planting but slowed fieldwork. According to reports as of October 31, corn was 56 percent planted, soybeans 5 percent, sunflower 39 percent, sorghum 20 percent, and cotton 10 percent.

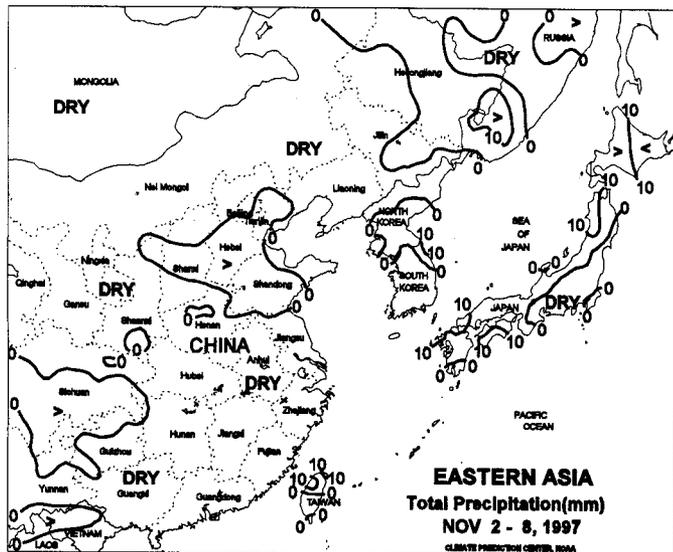
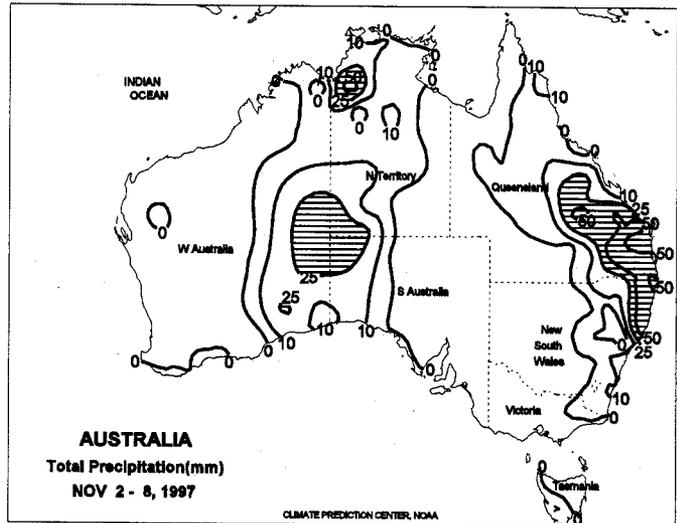
**SOUTH ASIA**

Seasonably drier weather benefited maturing summer crops across the region. From Pakistan to central India, the dryness, accompanied by seasonable warmth, was especially welcomed for maturing cotton following a period of unusual dampness. Farther east, dry weather favored rice harvesting and encouraged dry-season rice transplanting and field preparations. Across the north, winter grain and oilseed planting progressed. India's southern tip was the only area recording significant rainfall. Amounts averaged well over 100 mm across Tamil Nadu and extended as far north as Madras. The moisture increased irrigation reserves but caused some flooding that may have washed out newly planted rice.



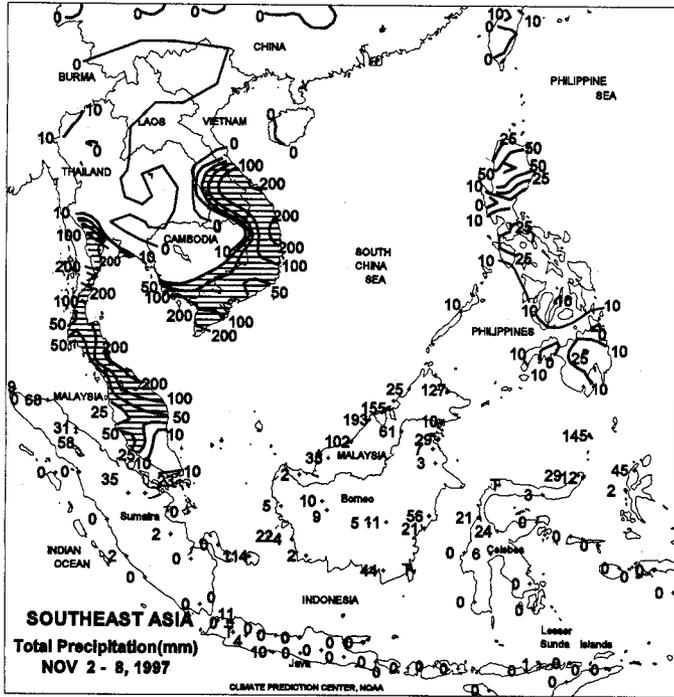
**AUSTRALIA**

Beneficial rain (10-50 mm or more) covered most of southern Queensland's main summer crop areas, providing emerging sorghum and cotton with needed moisture. Moderate to heavy rain (25 to over 100 mm) also covered southern sugarcane areas as far south as New South Wales. Farther inland, however, rainfall was patchy and light (10 mm or less) in summer crop areas west and south of Darling Downs. Dryness covered the remainder of the east, extending from Queensland's western rangelands southward across primary winter grain areas. Following last week's rain, warmer, drier weather favored filling winter grains across the southeast. Temperatures throughout the east were typical for late spring, with highs ranging from the mid 20's to mid 30's C. Generally warm, dry weather also benefited filling winter grains in Western Australia. In New Zealand, rainfall was light (15 mm or less) in the main agricultural areas.



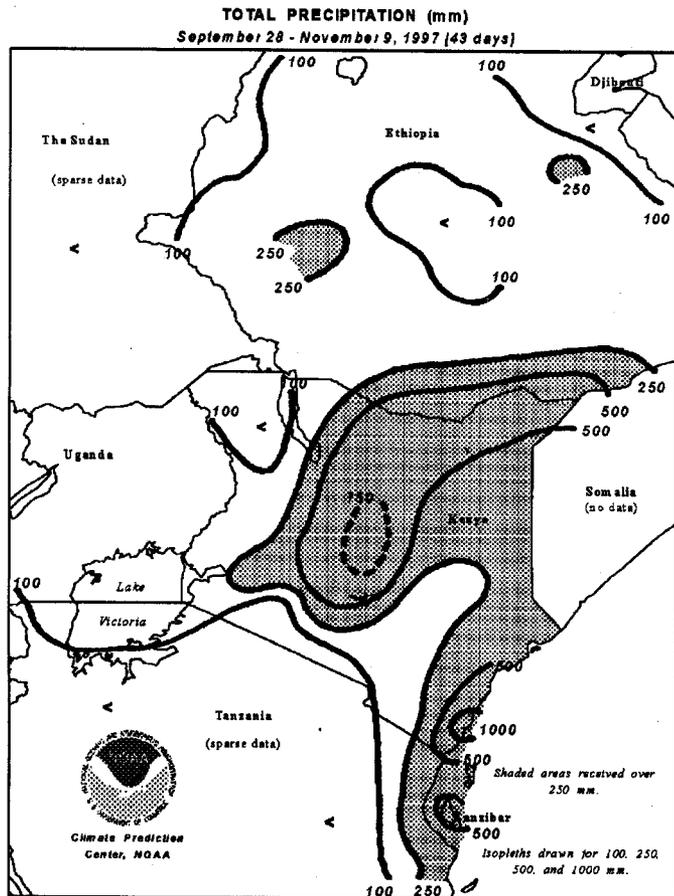
**EASTERN ASIA**

Dry weather covered most of China, spurring summer crop harvesting. However, moisture is still needed across the North China Plain for vegetative winter grains. Dry weather also favored rice harvesting across the Korean peninsula and Japan.



**SOUTHEAST ASIA**

Continued dry weather worsened drought across Java and southern Sumatra. Early November weekly rainfall typically averages 25 to 30 mm across Java. Dry weather favored rice harvesting across northern Vietnam and most of Thailand. Typhoon Linda hit extreme southern Vietnam on November 2, with sustained winds of 55 to 65 knots (63-75 mph). The storm produced heavy rain (100-150 mm), causing local damage to maturing rice. Light showers (10-50 mm) covered the Philippines, where main-season grain harvesting was underway. Widespread showers (25-100 mm) aided plantation crops across peninsular Thailand and Malaysia.



**Heavy Rains Lash East Africa**

Since late September, repeated episodes of heavy rain have affected much of east-central Africa from central Ethiopia southward through much of Somalia, Kenya, and eastern Tanzania. For the 6-week period as a whole, at least 100 mm of rain fell on most of these areas, with 500 to 1,085 mm inundating much of central and northeastern Kenya, adjacent far southern Ethiopia, southeastern Kenya, and Zanzibar. These totals were 335 to 945 mm more than normal across Zanzibar and a large section of central, northeastern, and southeastern Kenya, while moisture excesses of 100 to 280 mm accumulated across parts of the western Ethiopian highlands, eastern Ethiopia, upper southern Kenya, and eastern Tanzania. Some of the heaviest rains fell on Mombasa in extreme southeastern Kenya, where 43-day totals reached 1,082 mm, exceeding 8 times the normal for the period (134 mm) and nearly equaling the location's annual normal (1,098 mm). According to press reports, these rains caused some of the worst flooding in recent memory, hindering transportation, washing away bridges, and destroying or submerging homes. Unofficial reports indicated that at least 800,000 people were left homeless in southern Somalia, and more than 100 lives were lost across the region. It should be noted that heavy September-May rains are typical during El Niño episodes across this region, although the extent to which the current strong El Niño is responsible for the deluge is yet to be determined.

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.

Annual subscriptions: domestic first class \$45, foreign \$55 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to: Climate Prediction Center, W/NP52, Attn: *Weekly Weather and Crop Bulletin*, NOAA/NWS/NCEP, 4700 Silver Hill Road, Stop 9910, Washington, DC 20233-9910. Order subscriptions from the office and address listed above. First-class postage paid at Washington, DC, and other mailing offices. Correspondence to the meteorologists should be directed to: *Weekly Weather and Crop Bulletin*, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250. Internet URL: <http://www.usda.gov/oce/waob/jawf>; E-mail address: [wcb@jawfsrv.wwb.noaa.gov](mailto:wcb@jawfsrv.wwb.noaa.gov)

#### U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration  
National Weather Service/Climate Prediction Center  
Managing Editor ..... **Douglas Le Comte** (202) 720-7919  
fax (202) 720-1455  
Editor ..... **Brad Rippey** (202) 720-1444  
Meteorologists .... **David Secora, Jeff Savadel, Brian Morris**  
Special Requests ..... (202) 720-7917  
Subscriptions ..... **John Kopman** (301) 763-8227, ext. 7534  
fax (301) 763-8395

#### U.S. DEPARTMENT OF AGRICULTURE

Economic Research Service  
E.R.S. Editor ..... **Sharon Lee**  
National Agricultural Statistics Service  
Agricultural Statistician ..... **Rhonda Brandt** (202) 720-7621  
State Summaries Editor ..... **Klara Haskins** (202) 720-8033  
World Agricultural Outlook Board  
Agricultural Weather Analysts ..... **Ray Motha**  
..... **Tom Puterbaugh, Mark Brusberg, Bob Stefanaki**  
Secretary ..... **Teressa Davis** (202) 720-9807

(Continued from page 11)

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	1	28	60	11
CA	0	5	45	40	10
CO	1	5	15	59	20
GA	0	0	24	69	7
ID	0	0	5	86	9
IL	0	1	29	60	10
IN	1	5	28	56	10
KS	0	1	12	67	20
MI	1	4	41	47	7
MO	0	1	30	60	9
MT	0	7	41	50	2
NE	0	4	20	66	10
NC	0	1	19	74	6
OH	1	6	36	49	8
OK	0	1	15	78	6
OR	0	0	15	83	2
SD	0	1	13	59	27
TX	2	18	35	40	5
WA	0	3	8	75	14
ALL	0	4	21	63	12
Prev Wk	0	3	22	64	11
Prev Yr	0	3	24	61	12

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

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

## U.S. Crop Production Highlights

The following information was released by USDA's Agricultural Statistics Board on November 10, 1997. Forecasts refer to November 1.

**Corn** production is forecast at 9.36 billion bushels, less than 1 percent (%) above last month and 1996. If realized, this will be the third-highest corn production on record behind 1994 and 1992. Yields are expected to average 126.4 bushels per acre, up 0.6 bushels from last month, but down 0.7 bushels from 1996. Acreage harvested and to be harvested for grain is forecast at 74.0 million acres, unchanged from last month.

**Soybean** production is forecast at a record 2.74 billion bushels, virtually unchanged from the October 1 forecast, but up 15% from 1996. The yield is forecast at 39.2 bushels per acre, 0.2 bushels above the October 1 forecast and 1.6 bushels above last year.

**All cotton** production is forecast at 18.8 million bales, up 2% from October but down less than 1% from 1996. This is the fourth-largest crop on record. Yield is expected to average 673 pounds per acre, down 34 pounds from last year.

Climate Prediction Center, W/NP52  
Attn: *Weekly Weather & Crop Bulletin*  
NOAA/NWS/NCEP  
4700 Silver Hill Road  
Stop 9910  
Washington, DC 20233-9910

WEEKLY NEWS BULLETIN  
FIRST CLASS

FIRST CLASS MAIL  
POSTAGE & FEES PAID  
NOAA  
PERMIT NO. G-19

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300