

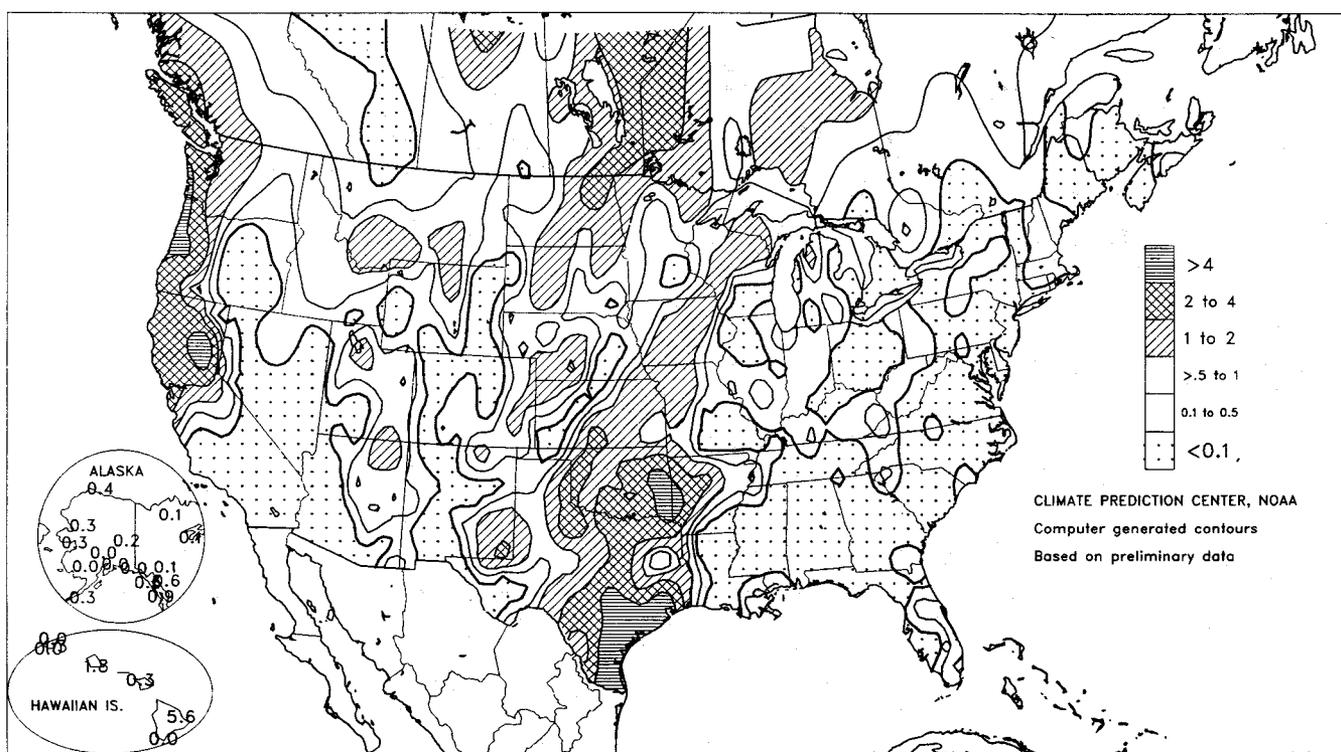
WEEKLY WEATHER AND CROP BULLETIN

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

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

Total Precipitation (Inches)

OCT 5 - 11, 1997



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

HIGHLIGHTS

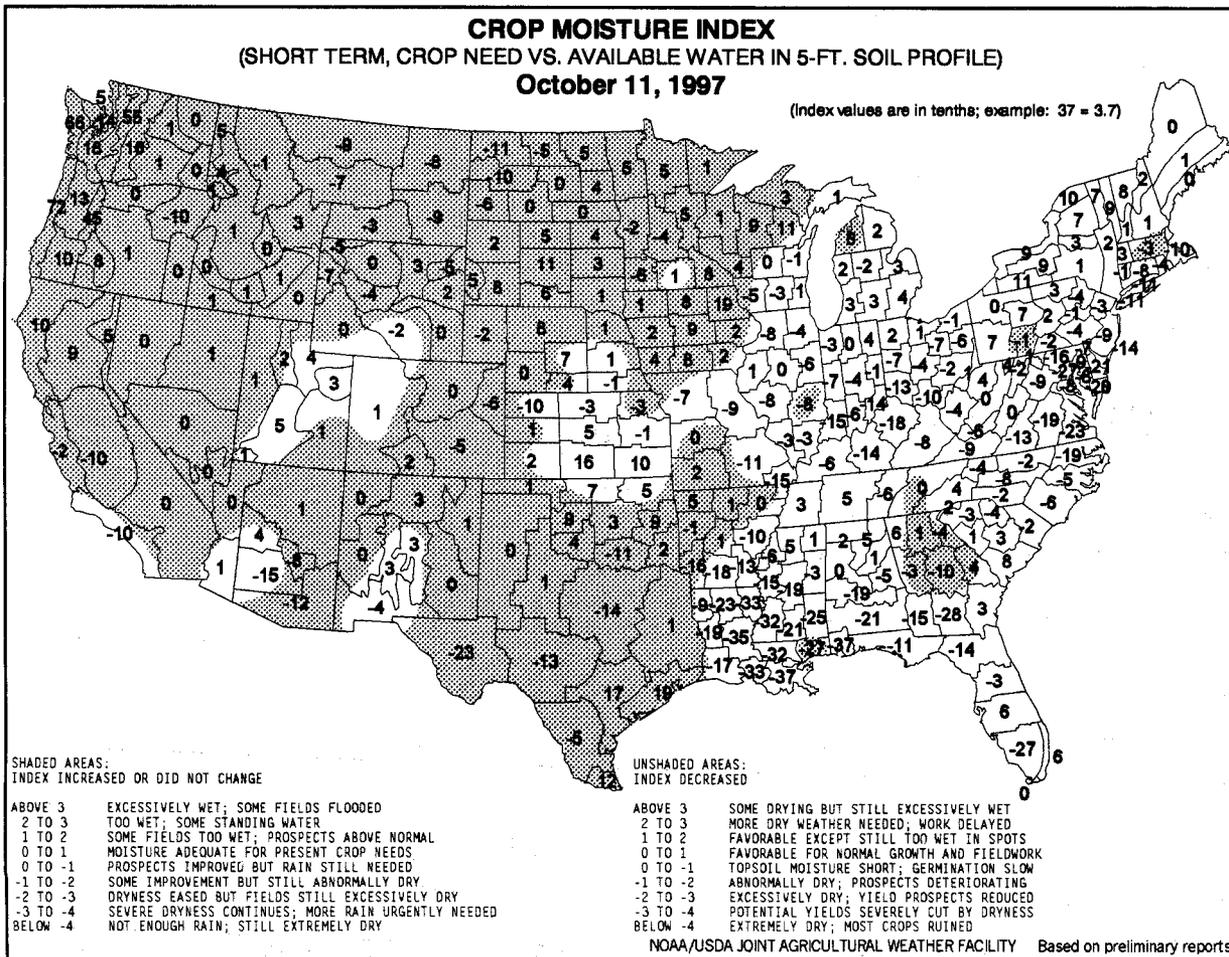
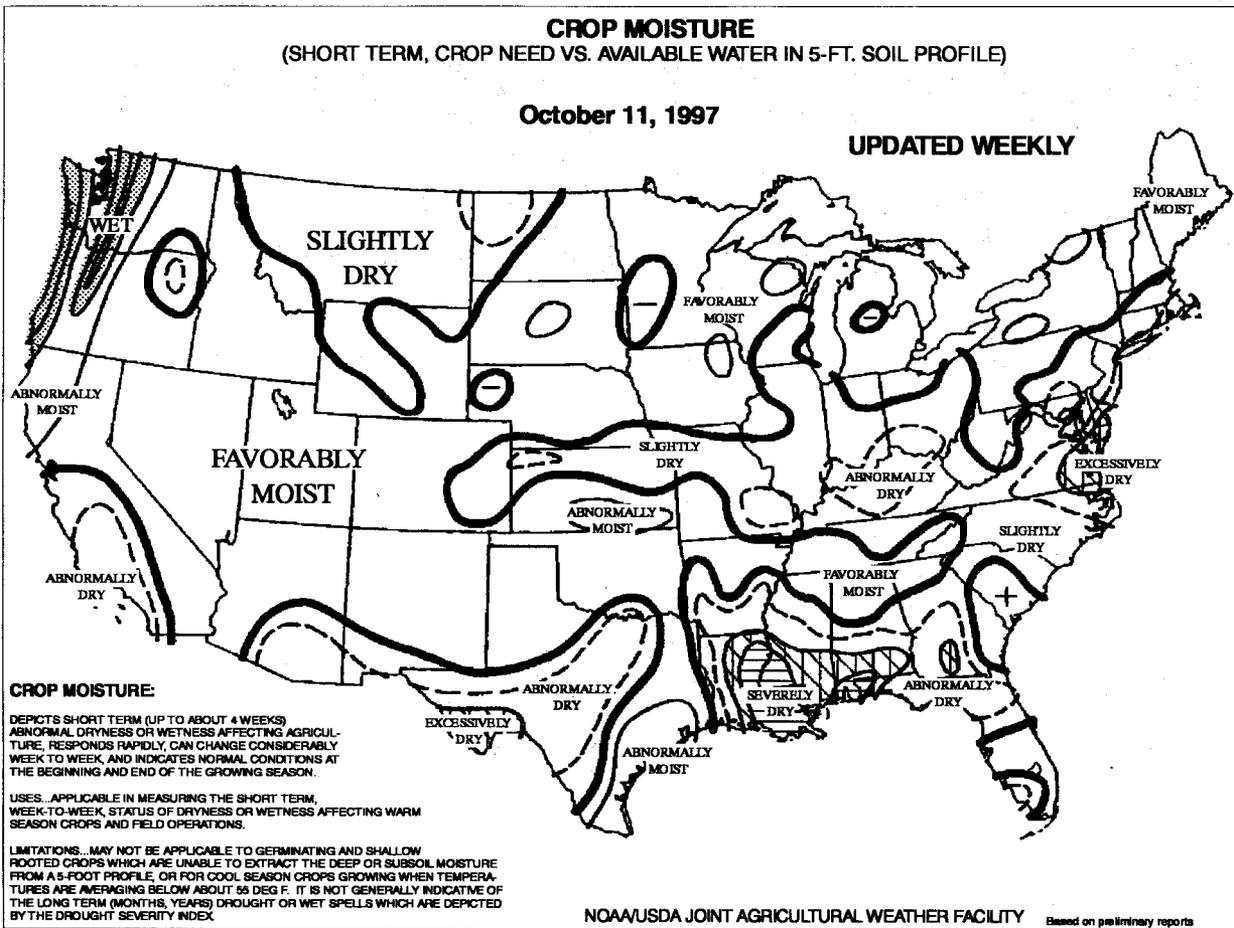
October 5 - 11, 1997

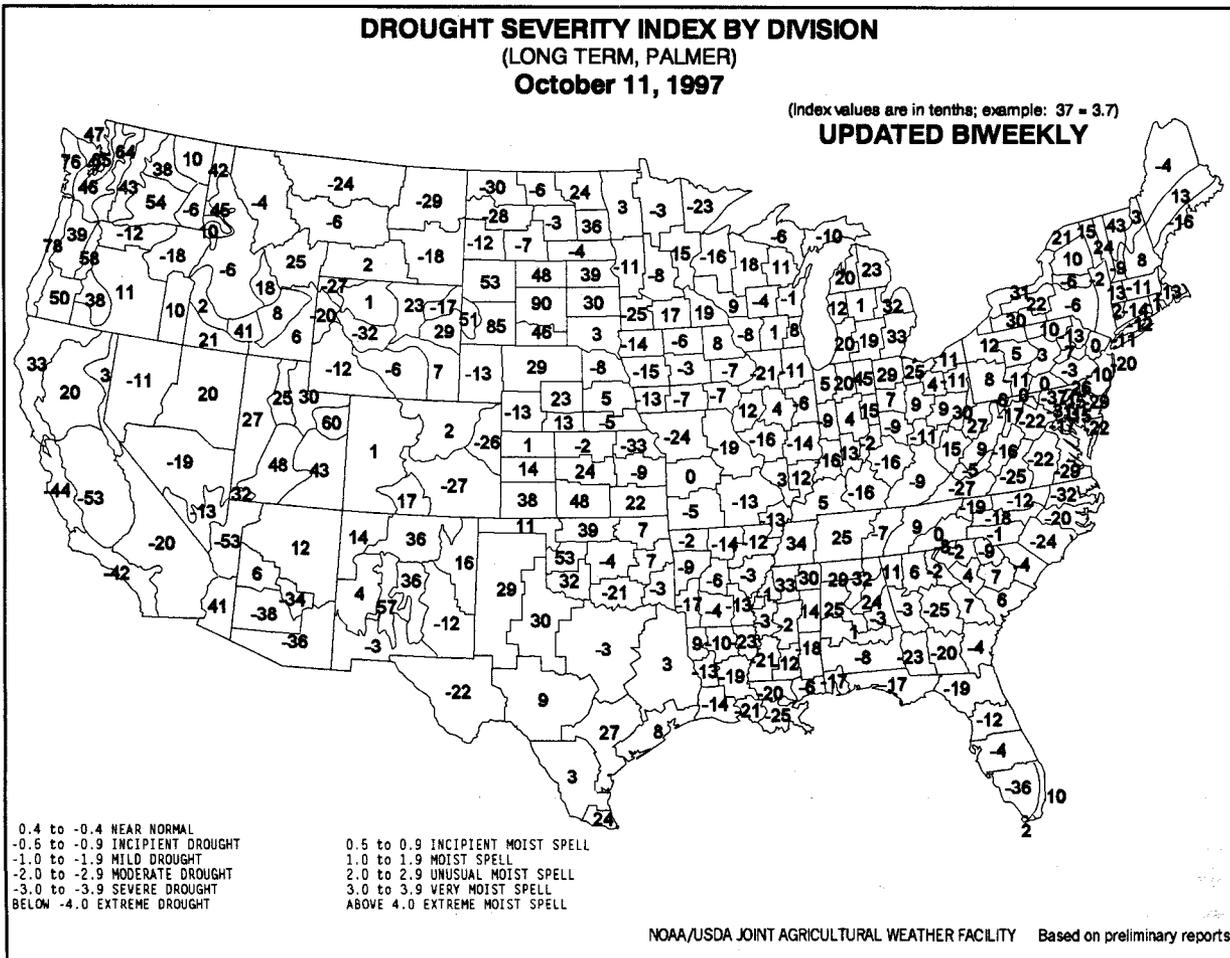
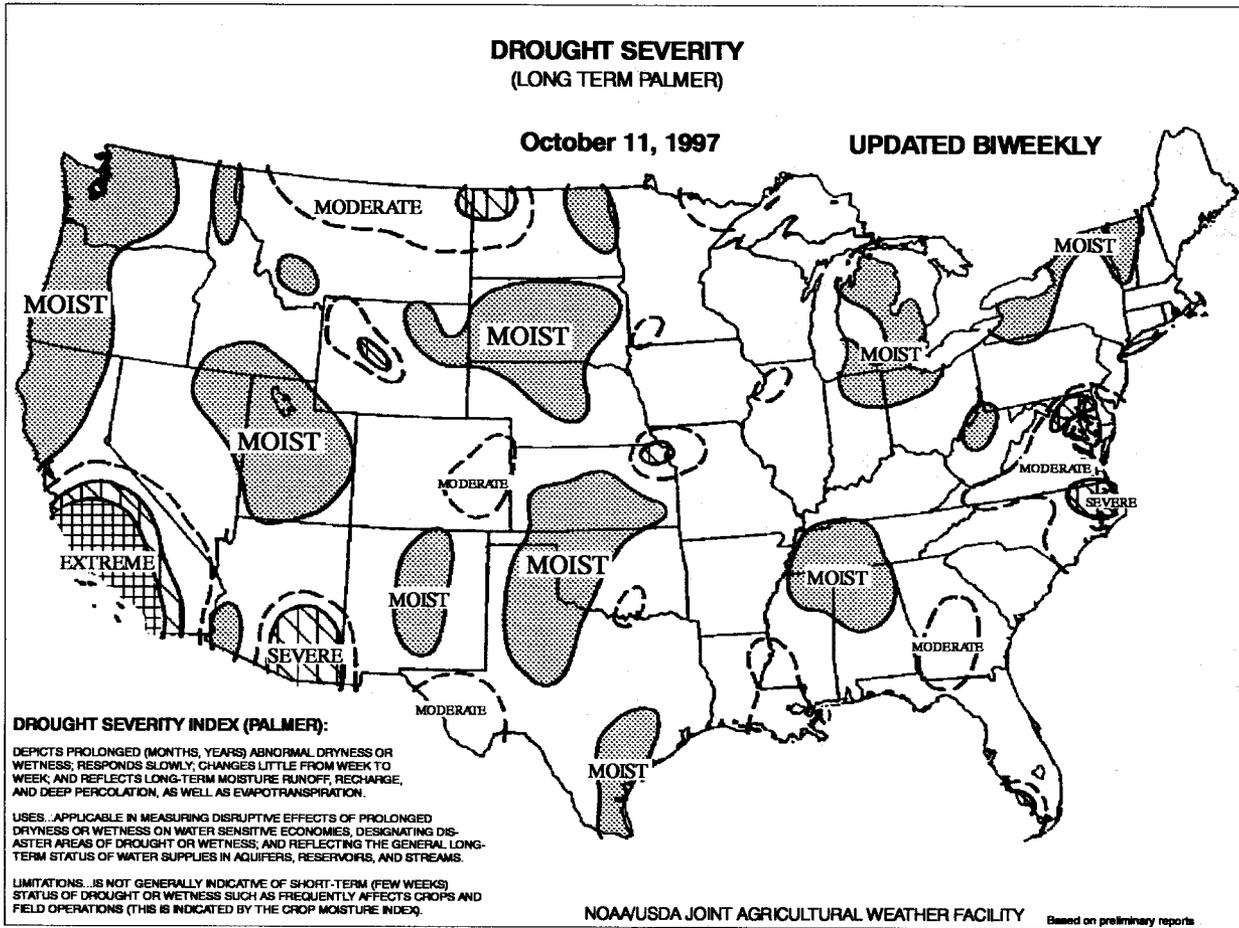
A pair of similar weather systems swept across the Nation, weakening as they progressed eastward. Exceptionally warm weather shifted into the **Central and Eastern States** (weekly departures in the **Midwest** ranged from +8 to +14°F), promoting crop maturation, while sharply cooler air arrived in the **West** (temperatures as much as 10°F below normal). Rain and snow accompanied the cool weather in the **Northwest**. On the **Plains**, significant rainfall boosted soil moisture for winter wheat establishment, while in **southeastern Texas**, 4 to 12 inches of rain ended a 4-month dry spell but caused widespread flooding. In the **East**, however, little or no rain fell, further reducing topsoil moisture.

(Continued on page 5)

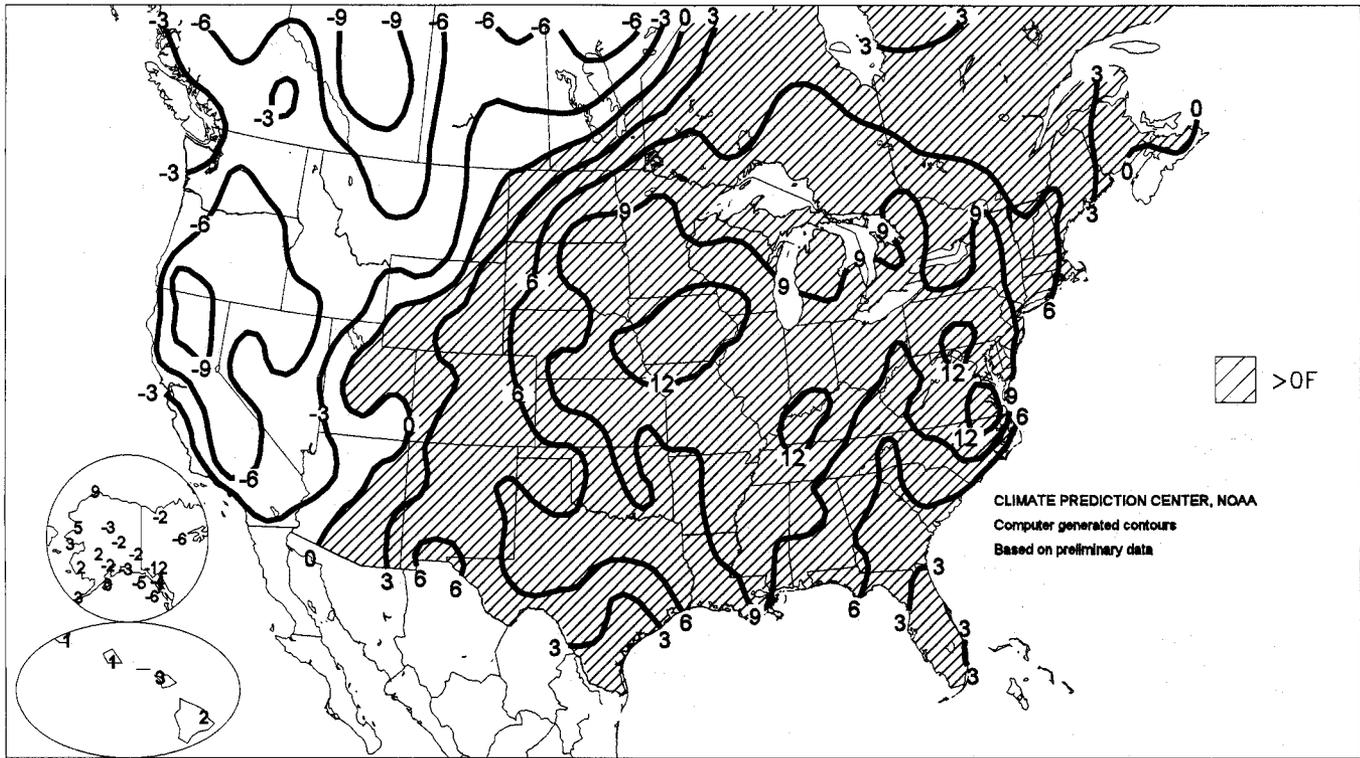
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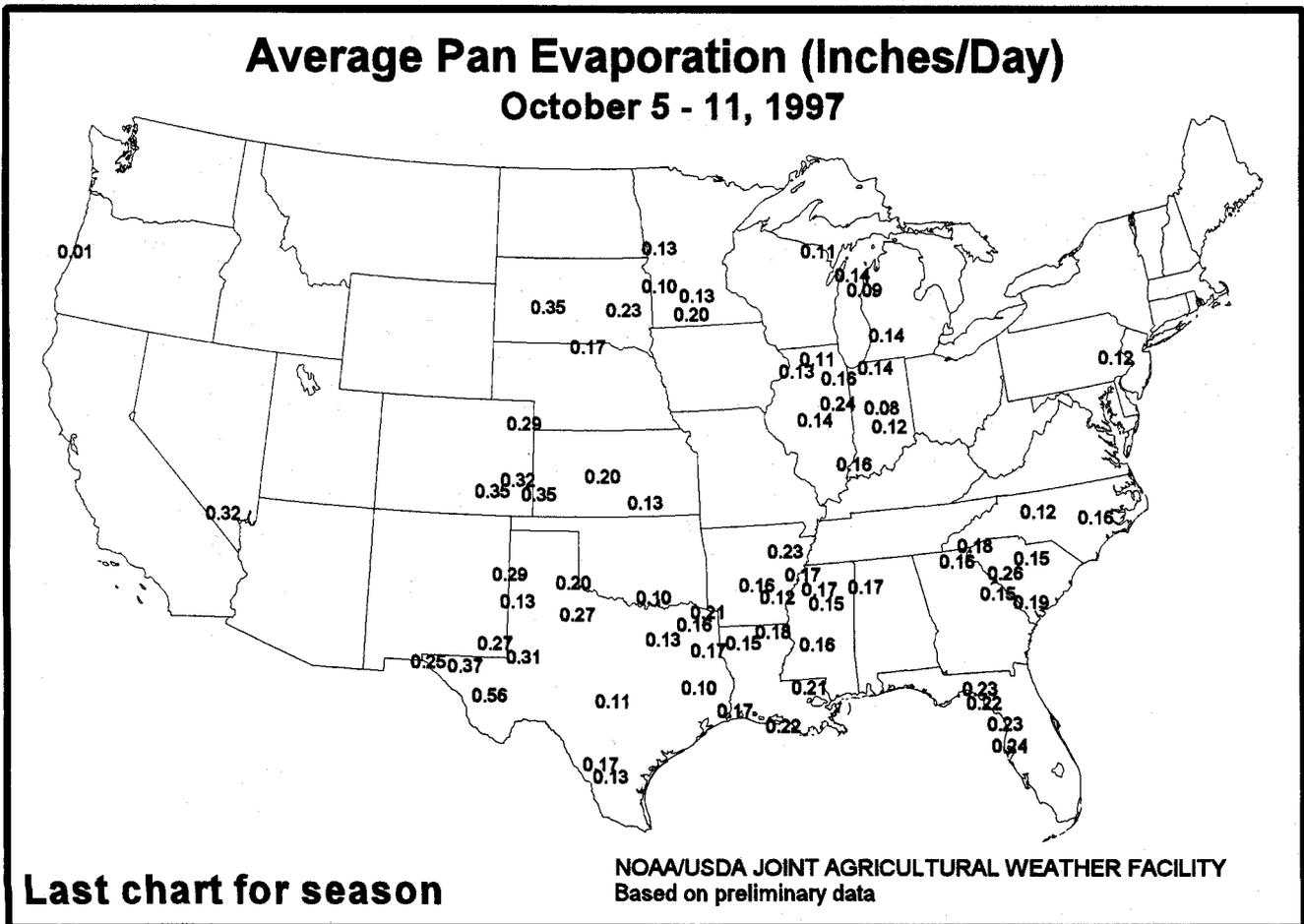




Departure of Average Temperature from Normal (°F) OCT 5 - 11, 1997



Average Pan Evaporation (Inches/Day) October 5 - 11, 1997



Last chart for season

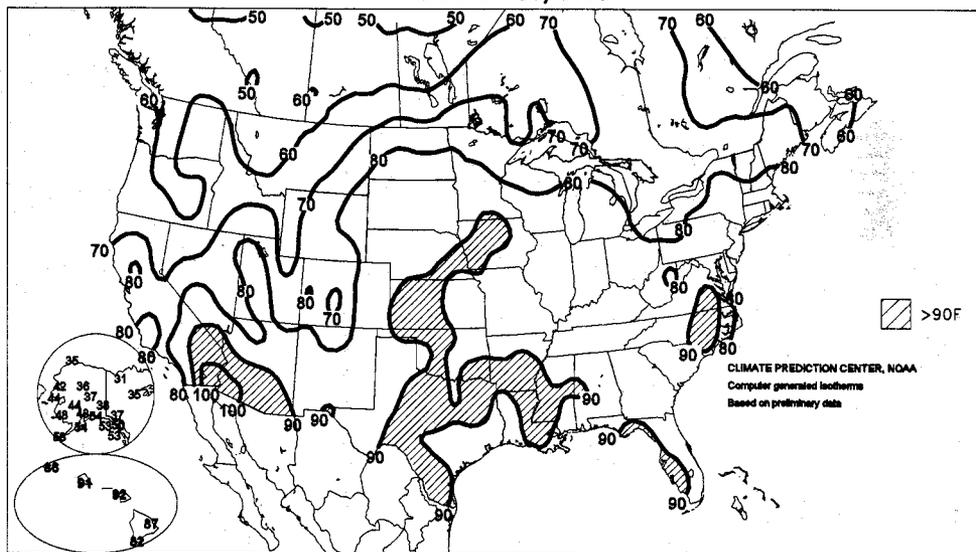
(Continued from front cover)

During the week, more than 40 daily-record highs were set. On Sunday, highs soared to 88°F in **Chicago, IL** and 86°F in **Denver, CO**. A day later, **Norfolk, NE** tallied 90°F. Maxima on Wednesday reached 82°F in **Muskegon, MI**, 1° shy of their October record, and a monthly record-tying 81°F in **Beckley, WV**. In **Omaha, NE**, October began with 7 consecutive days of 80-degree warmth for the first time on record. **LaCrosse, WI** also measured an October-record 7 consecutive days (October 2-8) with highs at or above 80°F. Highs reached or exceeded 80°F on October 3-8 in **Indianapolis, IN**, their most in a row during October since 1963.

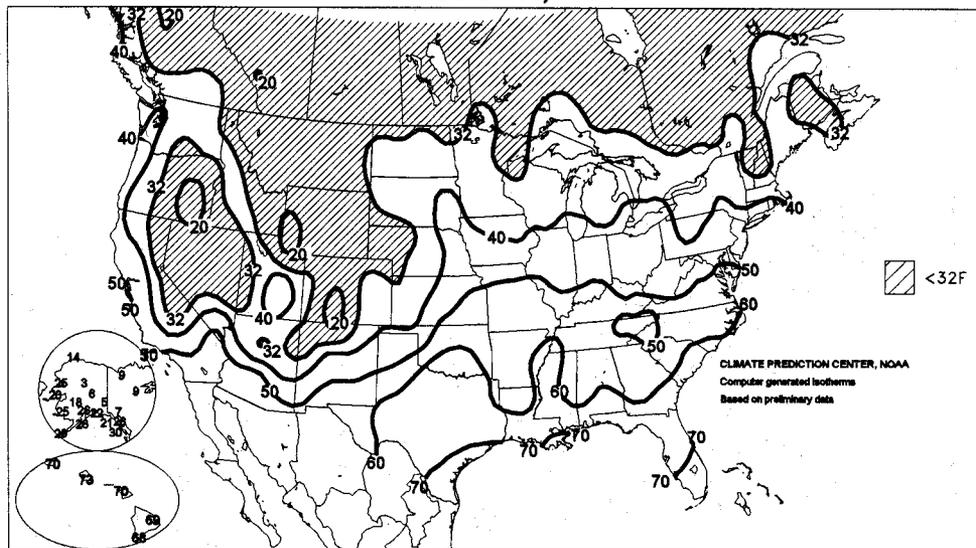
In **Victoria, TX**, daily-rainfall records were set on Tuesday (1.87 inches), Thursday (2.85 inches), and Saturday (3.20 inches). Despite a dry summer and early autumn, **Victoria's** annual rainfall reached 59.69 inches by week's end, surpassing their all-time record of 59.57 inches, set in 1919. *(By the time rainfall ended on Monday, October 13, month-to-date rainfall in Texas reached 12.21 inches in Victoria and 11.92 inches, an October record, in Corpus Christi. October 10-13 rainfall totaled 10.52 inches in Brownsville, nearly 40 percent of their normal annual total.)*

Heavy precipitation accompanied the shift to cooler weather in the Northwest. On Wednesday, **Redding, CA** reported a high of 58°F and a daily-record rainfall of 2.70 inches. At week's end, snowfall included 3.9 inches in **Butte, MT** and 3.6 inches in **Pocatello, ID**. Though not a record, **Burns, OR** registered a low of 14°F on Wednesday. On

Extreme Maximum Temperature (°F)
OCT 5 - 11, 1997

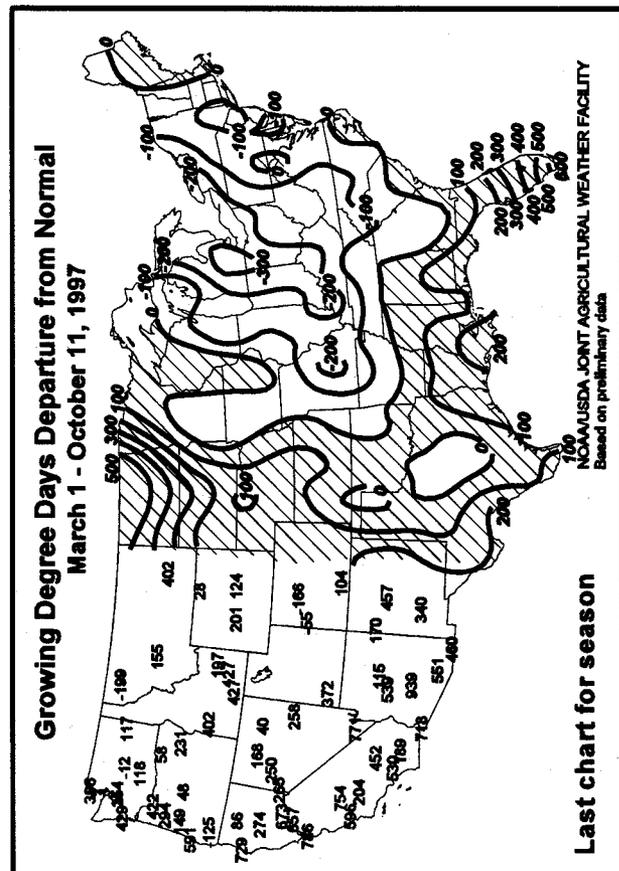
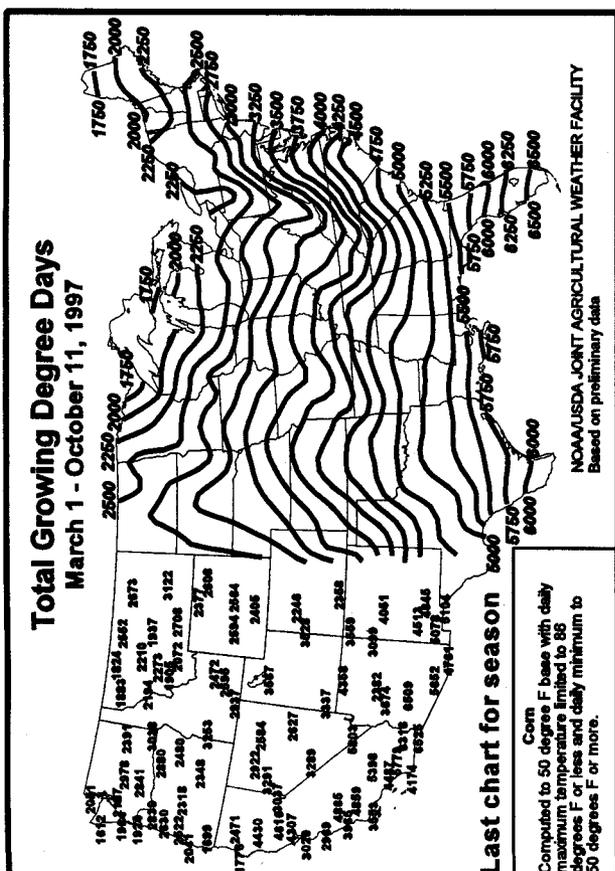
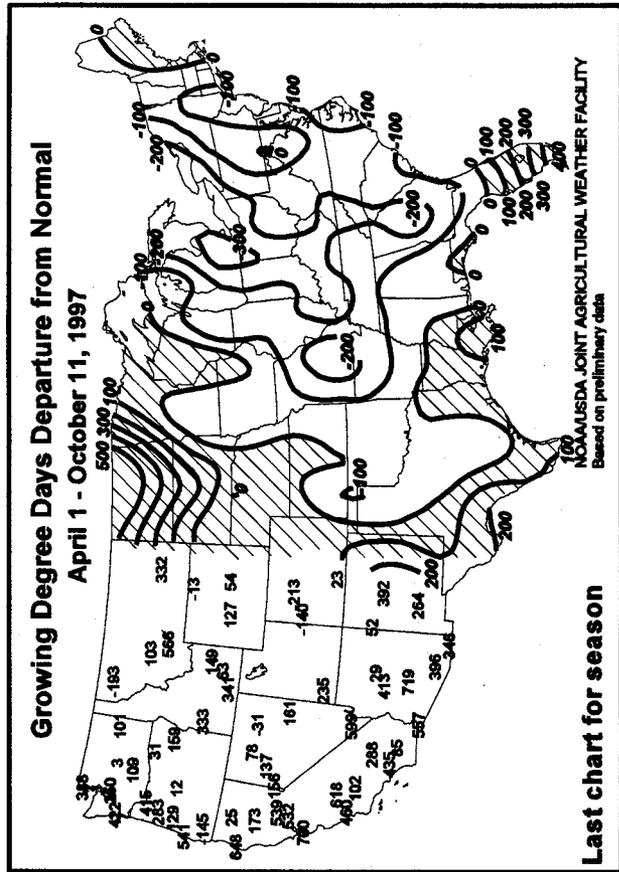
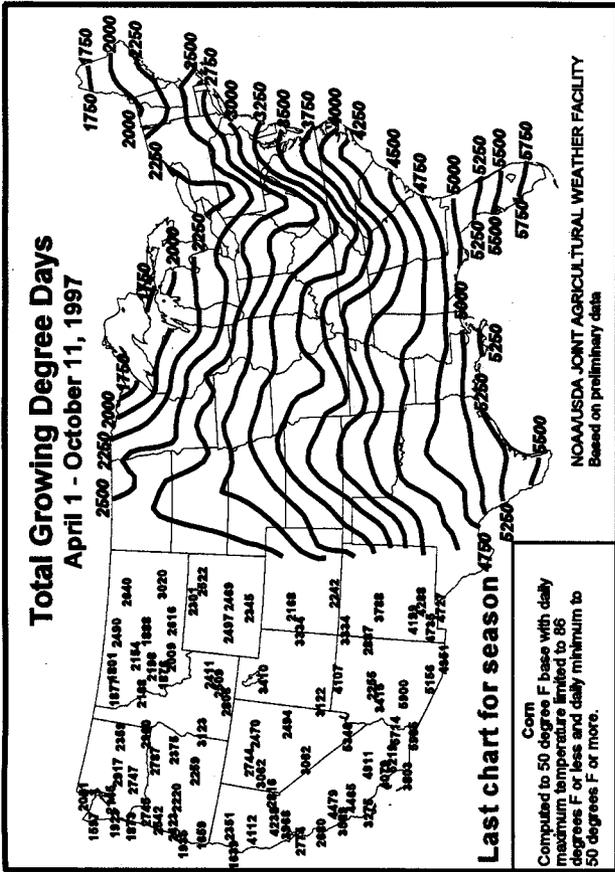


Extreme Minimum Temperature (°F)
OCT 5 - 11, 1997



the **Plains**, meanwhile, welcomed rainfall came in two waves, at midweek and again at week's end. Weekly totals topped 1 inch in numerous locations, including **Midland, TX**, **Wichita, KS**, **Billings, MT**, and **Fargo, ND**.

Bitterly cold weather arrived in interior **Alaska** during the week. On Saturday morning, lows dipped to -6°F in **Fairbanks** and -9°F at the **Denali National Park Airstrip**. Above-normal temperatures continued in the west, however, where **Cold Bay** reported a daily-record high of 52°F on Friday. Farther north, **Barrow** endured a record-setting 46th consecutive day with a trace or more of precipitation. The streak, which began on August 26, resulted in 1.53 inches of liquid equivalent, including 7.4 inches of snow. Meanwhile in **Hawaii**, weekly temperatures averaged 1 to 3°F above normal, accompanied by locally heavy rainfall.



National Weather Data for Selected Cities

Weather Data for the Week Ending October 11, 1997

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

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	86	63	87	57	75	9	0.00	-0.82	0.00	3.87	81	41.66	96	92	47	0	0	0	0
HUNTSVILLE	84	61	85	53	72	8	0.00	-0.71	0.00	5.43	104	43.92	99	94	46	0	0	0	0
MOBILE	88	67	89	63	77	6	0.02	-0.70	0.01	2.00	28	61.28	116	95	48	0	0	2	0
MONTGOMERY	88	62	90	59	75	6	0.00	-0.56	0.00	2.83	57	34.86	82	98	46	1	0	0	0
AK ANCHORAGE	44	28	48	26	36	-2	0.00	-0.51	0.00	2.53	72	14.88	119	67	39	0	6	0	0
BARROW	31	22	35	14	27	9	0.40	0.29	0.31	1.10	146	5.12	139	96	73	0	7	3	0
FAIRBANKS	35	25	37	6	30	-2	0.18	-0.01	0.11	0.87	70	4.69	54	93	70	0	7	3	0
JUNEAU	47	35	50	26	41	-4	-	-	-	-	-	-	76	43	0	3	-	-	-
KODIAK	49	36	54	28	42	0	0.00	-1.68	0.00	7.61	79	47.50	95	70	42	0	2	0	0
NOME	40	28	44	20	34	2	0.28	-0.07	0.15	2.53	84	13.39	109	86	59	0	5	2	0
AZ FLAGSTAFF	63	33	74	27	48	-2	0.98	0.82	0.92	4.68	179	13.70	79	97	32	0	3	2	1
PHOENIX	90	67	101	80	78	0	0.00	-0.16	0.00	0.45	40	3.71	66	45	19	4	0	0	0
PRESCOTT	71	43	82	34	57	0	0.34	0.08	0.33	4.04	167	13.65	87	74	31	0	0	2	0
TUCSON	88	61	96	55	75	1	0.00	-0.27	0.00	1.43	68	6.81	70	55	21	4	0	0	0
YUMA	88	67	100	80	78	-2	0.00	-0.06	0.00	4.54	1135	5.11	222	59	24	3	0	0	0
AR FORT SMITH	84	64	92	54	74	8	2.83	2.03	1.49	4.18	94	30.52	97	96	62	1	0	4	2
LITTLE ROCK	88	65	91	58	77	11	0.73	-0.07	-	4.88	92	47.93	129	94	48	1	0	-	-
CA BAKERSFIELD	73	51	80	46	62	-9	0.25	0.19	0.24	0.30	125	3.29	79	75	34	0	0	2	0
EUREKA	61	49	65	43	55	-1	0.45	0.04	0.28	3.74	264	23.88	104	90	67	0	0	5	0
FRESNO	73	52	82	47	62	-6	0.07	-0.01	0.07	0.22	61	4.21	57	71	31	0	0	1	0
LOS ANGELES	74	61	75	58	67	0	0.00	-0.03	0.00	0.27	71	5.90	71	76	46	0	0	0	0
REDDING	66	47	78	40	57	-10	3.10	2.74	1.92	4.93	346	22.82	110	88	42	0	0	5	2
SACRAM/MCCLELL	72	52	82	45	62	-	0.30	-	0.14	0.39	-	9.90	-	87	36	0	0	3	0
SAN DIEGO	72	64	75	61	68	-1	0.02	-0.02	0.02	0.87	300	4.20	64	75	59	0	0	1	0
SAN FRANCISCO	66	54	72	50	60	-2	0.68	0.49	0.58	0.74	181	10.11	79	82	55	0	0	3	1
CO ALAMOSA	69	32	77	21	50	3	0.18	0.01	0.17	1.89	163	6.75	109	84	22	0	4	2	0
CO SPRINGS	73	43	79	34	58	5	0.00	-0.21	0.00	1.78	107	21.82	147	65	21	0	0	0	0
DENVER	76	42	86	33	59	4	0.00	-0.23	0.00	0.99	61	17.80	134	51	18	0	0	0	0
GRAND JUNCTION	74	45	84	38	59	1	0.50	0.28	0.38	3.58	304	12.01	179	79	28	0	0	3	0
PUEBLO	80	40	87	33	60	3	0.00	-0.14	0.00	0.96	86	11.58	116	73	20	0	0	0	0
CT BRIDGEPORT	75	55	86	48	65	7	0.03	-0.84	0.03	0.63	15	27.66	86	81	51	0	0	1	0
HARTFORD	77	48	86	40	62	7	0.25	-0.55	0.25	1.38	27	29.54	87	96	41	0	0	1	0
DC WASHINGTON	85	62	90	56	74	11	0.01	-0.88	0.01	1.60	38	23.78	78	88	43	1	0	1	0
DE WILMINGTON	81	59	88	50	70	11	0.00	-0.86	0.00	1.95	43	19.91	62	90	44	0	0	0	0
FL DAYTONA BEACH	85	71	86	67	78	3	0.52	-0.53	0.29	5.65	70	39.49	99	83	53	0	0	3	0
JACKSONVILLE	84	65	85	63	75	3	0.27	-0.56	0.18	4.32	51	40.37	90	96	68	0	0	3	0
KEY WEST	86	77	87	75	82	1	0.88	-0.45	0.43	7.50	98	33.03	103	82	63	0	0	3	0
MIAMI	87	75	88	74	81	1	0.44	-1.00	0.18	13.81	137	60.99	127	77	55	0	0	6	0
ORLANDO	87	69	89	66	78	1	0.55	-0.12	0.33	3.14	44	45.08	106	96	54	0	0	4	0
TAMPA	88	71	89	68	79	3	0.05	-0.53	0.05	13.17	189	44.85	115	92	49	0	0	1	0
VALPARAISO/EGLIN	87	69	90	66	78	7	0.00	-0.80	0.00	3.54	43	51.72	98	92	52	1	0	0	0
WEST PALM BEACH	87	78	88	77	82	3	0.04	-1.59	0.04	6.92	62	52.46	106	74	58	0	0	1	0
GA ATHENS	83	59	85	56	71	6	0.00	-0.72	0.00	6.91	154	37.66	95	96	55	0	0	0	0
ATLANTA	82	62	83	60	72	7	0.00	-0.67	0.00	4.83	108	38.19	94	92	55	0	0	0	0
AUGUSTA	86	57	88	56	72	5	0.00	-0.66	0.00	5.89	145	34.96	94	100	51	0	0	0	0
COLUMBUS	87	65	87	63	76	7	0.00	-0.49	0.00	2.87	66	37.24	91	90	45	0	0	0	0
MACON	86	59	87	57	73	5	0.00	-0.50	0.00	3.54	99	27.12	75	99	47	0	0	0	0
SAVANNAH	85	63	86	61	74	5	0.00	-0.60	0.00	5.37	99	41.24	97	100	51	0	0	0	0
HI HILO	86	71	87	69	78	2	5.80	3.87	2.79	15.06	131	108.58	113	92	64	0	0	5	2
HONOLULU	88	75	90	73	81	1	1.80	1.36	1.54	3.13	217	18.57	137	90	64	1	0	4	1
KAHULUI	90	73	92	70	81	3	-	-	-	-	-	-	-	89	58	4	0	-	-
LIHUE	85	74	86	70	79	1	-	-	-	-	-	-	-	89	68	0	0	-	-
ID BOISE	59	40	64	33	50	-5	0.17	0.03	0.16	0.84	82	9.35	107	70	31	0	0	2	0
LEWISTON	58	40	61	37	49	-6	0.39	0.20	0.38	1.63	144	12.70	133	80	42	0	0	2	0
POCATELLO	57	36	75	26	46	-5	0.57	0.38	0.42	2.48	216	11.67	126	84	39	0	1	3	0
IL CHICAGO/O'HARE	80	54	88	45	67	11	0.17	-0.40	0.17	1.98	42	26.29	91	89	40	0	0	1	0
MOLINE	82	56	87	42	69	13	0.15	-0.56	0.08	3.88	75	30.20	93	86	46	0	0	4	0
PEORIA	80	57	85	44	69	11	0.08	-0.56	0.05	3.35	68	25.69	87	84	42	0	0	2	0
ROCKFORD	80	52	89	42	66	11	0.28	-0.43	0.24	2.04	42	23.81	80	85	39	0	0	2	0
SPRINGFIELD	83	58	88	43	70	11	0.22	-0.39	0.22	3.75	87	22.27	79	82	41	0	0	1	0
IN EVANSVILLE	83	60	86	57	72	11	0.09	-0.52	0.09	1.40	36	39.43	117	96	61	0	0	1	0
FORT WAYNE	78	53	85	41	65	9	0.05	-0.50	0.05	5.16	146	35.45	129	93	44	0	0	1	0
INDIANAPOLIS	80	57	85	48	69	11	0.36	-0.22	0.38	1.87	49	28.59	90	94	46	0	0	1	0
SOUTH BEND	77	52	85	43	65	9	0.13	-0.57	0.12	3.15	66	27.00	88	91	46	0	0	2	0
IA BURLINGTON	-	-	-	-	-	-	0.32	-0.41	-	2.12	40	26.46	88	-	-	-	-	-	-
CEDAR RAPIDS	-	-	-	-	-	-	0.36	-0.23	-	2.56	52	21.17	74	-	-	-	-	-	-
DES MOINES	78	59	88	45	69	12	0.73	0.08	0.73	3.26	71	25.69	90	89	52	0	0	1	1
DUBUQUE	78	55	85	41	66	12	0.14	-0.5											

Weather Data for the Week Ending October 11, 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	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	79	63	89	50	71	9	1.31	0.74	0.84	4.81	109	31.00	123	86	57	0	0	4	2
KY JACKSON	80	80	84	58	70	10	0.37	-0.33	0.37	2.40	50	40.59	104	90	50	0	0	1	0
KY LEXINGTON	81	59	84	52	70	11	0.02	-0.55	0.02	2.40	58	50.08	141	87	48	0	0	1	0
LA LOUISVILLE	84	62	87	55	73	12	0.00	-0.58	0.00	1.29	32	48.88	138	85	45	0	0	0	0
LA PADUCAH	83	62	86	57	72	11	0.05	-0.61	0.05	2.46	52	43.03	112	93	55	0	0	1	0
LA BATON ROUGE	89	68	90	62	78	7	0.00	-0.80	0.00	1.19	19	51.93	108	97	50	2	0	0	0
LA LAKE CHARLES	86	72	88	67	79	7	0.40	-0.54	0.40	7.82	106	53.07	123	97	62	0	0	1	0
LA NEW ORLEANS	89	75	90	72	82	10	0.01	-0.71	0.01	0.85	13	39.89	80	85	56	2	0	1	0
LA SHREVEPORT	86	68	89	59	77	8	0.34	-0.46	0.23	2.75	63	52.50	150	93	58	0	0	2	0
ME CARIBOU	59	39	73	32	49	3	0.25	-0.44	0.23	2.91	64	29.18	105	86	53	0	1	2	0
ME PORTLAND	70	44	80	34	57	6	0.53	-0.27	0.52	3.31	76	28.89	90	88	39	0	0	2	1
MD BALTIMORE	84	56	89	47	70	10	0.00	-0.67	0.00	1.47	33	26.89	84	94	44	0	0	0	0
MA BOSTON	73	53	84	46	63	5	0.24	-0.46	0.22	1.51	36	22.61	73	78	39	0	0	2	0
MA WORCESTER	71	51	79	43	61	8	0.80	-0.36	0.60	2.31	42	27.17	75	77	41	0	0	1	1
MI ALPENA	71	43	80	30	57	7	0.51	0.01	0.47	3.43	87	25.78	111	91	50	0	1	2	0
MI GRAND RAPIDS	78	50	82	40	63	10	0.36	-0.30	0.35	5.32	100	25.59	91	98	54	0	0	2	0
MI HOUGHTON LAKE	70	43	79	31	56	7	0.40	-0.13	0.31	4.34	102	23.39	103	96	53	0	1	2	0
MI LANSING	75	46	82	36	60	8	0.40	-0.10	0.36	3.70	84	23.63	97	95	48	0	0	2	0
MI MARQUETTE	-	-	78	-	-	-	0.45	-0.41	-	1.81	33	25.08	91	-	-	-	-	-	-
MI MUSKEGON	73	51	82	40	62	9	0.14	-0.52	0.14	3.48	70	21.86	89	94	58	0	0	1	0
MN DULUTH	63	44	72	33	54	6	0.75	0.12	0.28	2.54	52	21.06	83	91	63	0	0	4	0
MN INTL FALLS	67	44	75	35	56	10	1.00	0.48	0.66	4.97	125	16.41	77	92	58	0	0	5	1
MN MINNEAPOLIS	75	51	85	37	63	10	0.13	-0.40	0.09	3.33	94	31.55	130	86	52	0	0	3	0
MN ROCHESTER	76	51	89	38	64	12	0.66	0.08	0.53	2.53	57	26.96	105	86	47	0	0	3	1
MS ST. CLOUD	73	47	85	32	60	11	0.25	-0.31	0.25	1.97	49	22.33	93	87	46	0	1	1	0
MS JACKSON	88	66	90	62	77	10	0.00	-0.69	0.00	2.69	58	45.12	108	92	44	1	0	0	0
MS MERIDIAN	88	66	89	58	74	8	0.00	-0.66	0.00	1.85	41	43.84	99	97	43	0	0	0	0
MO TUPELO	86	61	88	58	74	8	0.00	-0.74	0.00	1.73	38	53.04	124	96	47	0	0	0	0
MO COLUMBIA	80	59	86	52	69	10	0.72	-0.04	0.58	3.02	60	29.82	94	89	50	0	0	2	1
MO KANSAS CITY	79	61	87	49	70	10	0.35	-0.50	0.25	3.70	59	26.13	81	84	57	0	0	2	0
MO SAINT LOUIS	82	64	86	58	73	11	0.02	-0.59	0.02	2.75	67	25.05	85	80	51	0	0	1	0
MO SPRINGFIELD	79	62	83	58	70	10	0.48	-0.38	0.43	4.15	70	30.58	90	93	64	0	0	3	0
MT BILLINGS	58	39	70	32	49	-3	1.11	0.83	0.54	1.70	94	14.02	110	85	48	0	1	3	1
MT BUTTE	47	28	58	19	38	-6	1.78	1.60	0.60	2.34	150	19.37	180	96	56	0	6	7	1
MT GLASGOW	57	36	67	23	47	-3	0.65	0.48	0.61	1.21	96	11.36	114	83	47	0	2	3	1
MT GREAT FALLS	62	35	58	28	43	-7	0.74	0.55	0.42	0.97	62	13.39	101	88	52	0	1	3	0
MT KALISPELL	51	34	56	27	43	-2	0.36	0.17	0.13	1.97	125	16.02	124	93	56	0	3	4	0
MT MILES CITY	63	39	75	31	51	-1	0.87	0.64	0.85	1.18	72	10.16	82	82	42	0	1	3	1
MT MISSOULA	62	35	55	26	44	-4	0.31	0.13	0.13	1.11	80	13.32	121	88	53	0	2	3	0
NE GRAND ISLAND	79	55	90	39	67	11	0.02	-0.34	0.02	5.82	189	24.72	110	87	46	1	0	1	0
NE LINCOLN	81	58	91	41	69	12	0.02	-0.53	0.01	1.88	43	18.39	74	83	50	1	0	2	0
NE NORFOLK	79	56	90	41	68	13	0.01	-0.40	0.01	2.78	88	17.28	77	81	46	1	0	1	0
NE NORTH PLATTE	79	49	84	33	64	11	0.16	-0.09	0.14	1.92	96	14.76	84	87	39	0	0	2	0
NE OMAHA	79	59	90	44	69	12	0.02	-0.57	0.02	5.12	109	23.07	89	90	59	1	0	1	0
NE SCOTTSBLUFF	77	40	87	28	59	5	0.17	-0.02	0.16	1.10	80	18.25	135	80	27	0	1	2	0
NE VALENTINE	77	45	85	31	61	8	0.55	0.32	0.43	2.44	128	19.32	116	86	43	0	1	2	0
NV ELY	63	33	79	24	48	-1	0.06	-0.16	0.04	1.73	125	8.09	97	73	23	0	4	2	0
NV LAS VEGAS	80	60	92	53	70	-2	0.00	-0.03	0.00	2.06	824	3.50	112	41	16	2	0	0	0
NV RENO	59	38	68	32	49	-5	0.18	0.09	0.08	0.72	157	6.32	117	77	30	0	1	2	0
NV WINNEMUCCA	58	34	65	22	46	-8	0.23	0.11	0.16	0.51	91	6.87	114	89	28	0	1	3	0
NH CONCORD	72	42	83	30	57	6	0.41	-0.28	0.37	2.24	58	25.48	93	88	30	0	2	3	0
NJ NEWARK	79	59	88	50	69	8	0.03	-0.64	0.02	2.23	47	31.63	91	83	41	0	0	2	0
NM ALBUQUERQUE	78	51	82	45	64	4	0.19	-0.03	0.19	2.67	199	10.55	143	82	24	0	0	1	0
NY ALBANY	72	48	80	38	59	6	0.17	-0.46	0.16	4.50	114	25.07	89	95	51	0	0	2	0
NY BINGHAMTON	70	50	76	40	60	9	0.16	-0.49	0.16	3.08	71	22.90	79	97	53	0	0	1	0
NY BUFFALO	72	54	79	42	63	9	0.14	-0.55	0.08	5.50	120	32.03	110	95	53	0	0	3	0
NY ROCHESTER	73	49	82	38	61	7	0.01	-0.54	0.01	5.78	151	26.89	109	92	48	0	0	1	0
NY SYRACUSE	72	49	81	39	61	7	0.17	-0.56	0.16	3.54	72	23.48	78	91	50	0	0	2	0
NC ASHEVILLE	78	49	80	44	64	5	0.02	-0.80	0.01	4.91	95	40.93	107	98	50	0	0	2	0
NC CHARLOTTE	86	61	89	55	74	10	0.00	-0.77	0.00	3.39	72	37.03	108	91	39	0	0	0	0
NC GREENSBORO	83	57	85	52	70	8	0.04	-0.76	0.04	3.92	81	32.28	95	93	42	0	0	1	0
NC HATTERAS	73	67	74	63	70	2	0.00	-1.13	0.00	8.15	116	40.00	83	90	75	0	0	0	0
NC RALEIGH	87	57	90	52	72	9	0.01	-0.64	0.01	3.08	73	30.78	92	97	44	2	0	1	0
NC WILMINGTON	85	62	88	60	73	5	0.00	-0.86	0.00	8.94	146	37.12	81	98	49	0	0	0	0
ND BISMARCK	71	45	83	37	58	9	1.81	1.57	1.14	3.54	188	14.02	100	85	48	0	0	2	2
ND DICKINSON	68	41	84	33	54	4	0.79	0.63	0.72	0.95	45	15.74	107	90	45	0	0	3	1
ND FARGO	73	46	86	35	60	10	1.18	0.76	0.98	3.54	133	23.80	139	84	48	0	0	5	1
ND GRAND FORKS	69	45	79	32	57	8	-	-	-	-	-	-	-	93	81	0	1	-	-
ND JAMESTOWN	72	46	83	35	59	10	0.85	0.59	0.48	1.77	81	19.00	124	84	49	0	0	3	0
ND WILLISTON	60	41	72	35	50	2	0.54	0.34	0.51	0.71	42	11.30	93	81	55	0	0	2	1
OH AKRON-CANTON	75	53	80	40	64	9	0.08	-0.46	0.07	2.89	89	27.27	83	90	47	0	0	2	0
OH CINCINNATI	82	57	85	49	69	11	0.02	-0.80	0.02	0.57	15	32.72	100	85	39	0	0	1	0
OH CLEVELAND	78	58	81	41	66	10	0.01	-0.57	0.01	4.33	99	28.81	100	90	50	0	0	1	0
OH COLUMBUS	80	57	86	48	69	12	0.09	-0.38	0.09	1.45	39	31.31	102	85	42	0	0	1	0
OH DAYTON	80	57	85	42	68	11	0.12	-0.41	0.12	1.94	58	25.69	89	87	40	0	0	1	0
OH MANSFIELD	76	54	82	41	65	10	0.21	-0.30	0.14	3.29	78	34.02	108	89	46	0	0	2	0

Based on 1961-90 normals

Weather Data for the Week Ending October 11, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	TEMP. °F		PRECIP.	
																		80 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK	78	63	84	42	66	11	0.08	-0.41	0.06	4.89	135	33.58	130	94	47	0	0	2	0		
OK	75	56	81	41	65	11	0.19	-0.41	0.16	4.16	94	26.63	90	89	49	0	0	2	0		
OK	81	68	89	58	73	8	1.37	0.57	0.96	2.74	43	22.87	82	96	65	0	0	3	1		
OR	81	67	88	59	74	9	0.47	-0.41	0.33	3.53	58	34.08	103	88	62	0	0	3	0		
OR	57	46	82	41	51	-3	4.42	3.37	1.85	14.17	316	65.05	156	96	73	0	0	7	3		
OR	53	28	58	14	40	-7	0.22	0.08	0.19	0.75	93	7.46	106	79	36	0	7	3	0		
OR	59	45	64	41	52	-5	1.33	0.79	0.85	5.92	241	30.47	102	86	63	0	0	5	1		
OR	60	44	68	40	52	-6	0.63	0.38	0.46	1.92	155	13.37	119	91	50	0	0	3	0		
OR	60	40	63	31	50	-5	0.49	0.33	0.25	1.43	170	8.20	99	84	37	0	1	3	0		
OR	58	47	61	43	52	-5	1.36	0.88	0.61	5.52	223	34.00	148	95	63	0	0	6	1		
PA	58	45	61	41	51	-4	2.19	1.67	1.11	8.13	350	35.65	149	94	68	0	0	7	1		
PA	79	51	86	42	66	9	0.03	-0.63	0.02	3.61	72	31.45	82	96	43	0	0	2	0		
PA	73	57	80	46	66	9	0.14	-0.72	0.13	3.93	68	32.07	102	91	53	0	0	2	0		
PA	83	58	88	48	70	13	0.13	-0.53	-	2.65	58	24.97	78	91	49	0	0	-	-		
PA	81	58	88	49	70	10	0.00	-0.59	0.00	1.59	36	24.11	73	88	39	0	0	0	0		
PA	76	55	80	41	66	10	0.00	-0.53	0.00	3.04	80	26.46	90	92	47	0	0	0	0		
PA	76	53	81	41	65	10	0.07	-0.56	0.04	2.07	48	21.01	73	91	56	0	0	2	0		
PA	77	53	82	42	65	10	0.10	-0.82	0.08	3.27	72	22.54	71	98	54	0	0	3	0		
RI	74	60	84	42	62	6	0.16	-0.64	0.16	1.28	27	29.71	67	86	46	0	0	1	0		
SC	86	66	86	63	76	5	0.00	-0.68	0.00	3.37	56	33.94	77	99	55	0	0	0	0		
SC	85	63	87	61	74	5	0.00	-0.72	0.00	9.58	163	50.00	113	97	49	0	0	0	0		
SC	86	59	88	57	73	7	0.00	-0.70	0.00	4.55	95	34.03	82	96	46	0	0	0	0		
SD	83	57	94	52	70	7	0.00	-0.91	0.00	3.26	60	37.26	91	85	45	0	0	0	0		
SD	75	49	84	41	62	10	1.42	1.13	1.39	2.26	97	16.81	100	85	48	0	0	3	1		
SD	76	51	84	39	63	11	0.81	0.45	0.74	4.69	204	22.54	125	81	47	0	0	2	1		
SD	73	41	86	30	57	5	0.38	0.10	0.34	1.16	69	20.36	136	79	33	0	1	2	0		
SD	74	50	82	41	62	10	0.62	0.15	0.82	2.21	58	18.54	88	86	48	0	0	1	1		
TN	78	52	82	49	65	6	0.11	-0.49	0.11	3.13	74	36.09	110	86	53	0	0	1	0		
TN	83	59	86	51	71	8	0.00	-0.71	0.00	5.58	105	45.78	110	97	54	0	0	0	0		
TN	82	57	83	49	69	8	0.01	-0.80	0.01	3.33	83	43.94	119	97	50	0	0	1	0		
TN	86	68	88	65	77	11	0.73	0.10	0.47	7.04	1.55	61.22	156	85	53	0	0	2	0		
TX	84	63	86	56	73	10	0.20	-0.37	0.20	5.92	135	43.14	117	92	49	0	0	1	0		
TX	83	68	90	68	78	6	0.63	0.00	0.43	0.87	16	21.01	103	88	55	1	0	2	0		
TX	77	58	86	45	67	6	0.55	0.20	0.51	1.91	75	21.48	122	95	53	0	0	2	1		
TX	81	71	88	69	78	2	4.66	3.84	1.85	6.11	133	39.12	154	97	77	0	0	8	4		
TX	84	74	87	71	79	7	0.28	-0.74	0.13	5.70	72	41.29	92	95	73	0	0	4	0		
TX	83	73	87	70	78	1	6.83	6.03	4.78	12.14	164	29.23	130	96	81	0	0	7	2		
TX	83	74	91	72	78	2	9.80	8.77	3.06	11.40	165	31.66	124	95	80	1	0	7	4		
TX	84	72	90	70	78	5	1.92	1.34	0.75	3.33	89	21.27	138	96	66	1	0	8	1		
TX	87	61	92	57	74	7	0.01	-0.21	0.01	1.56	76	7.26	97	70	27	2	0	1	0		
TX	83	70	89	66	77	7	1.87	0.83	0.91	3.78	80	33.12	121	92	65	0	0	4	1		
TX	82	76	84	72	79	4	3.78	3.05	1.71	13.17	184	48.39	143	90	79	0	0	5	2		
TX	81	71	86	68	78	4	4.43	3.42	1.49	9.30	143	48.25	133	98	81	0	0	7	4		
TX	79	62	87	56	70	6	0.35	-0.13	0.16	2.40	71	19.63	121	89	48	0	0	3	0		
TX	83	66	90	64	74	7	1.01	0.55	0.79	1.97	58	14.84	116	92	52	1	0	5	1		
TX	83	67	90	63	75	6	0.78	0.15	0.25	2.33	52	21.19	123	95	59	1	0	5	0		
TX	82	71	88	66	76	3	2.84	2.10	0.95	4.69	102	27.37	110	94	69	0	0	6	2		
TX	79	71	84	69	75	1	-	-	3.20	14.57	206	59.69	193	98	87	0	0	7	3		
TX	84	71	91	69	77	6	1.81	1.01	0.84	2.29	48	30.71	120	97	70	1	0	5	1		
TX	84	68	92	66	76	8	1.28	0.58	0.82	1.98	39	17.82	73	91	58	2	0	6	2		
UT	71	44	79	36	58	1	1.14	0.81	0.87	2.65	147	14.70	116	75	26	0	0	2	1		
VT	70	44	78	34	57	6	0.29	-0.36	0.28	3.51	81	24.07	89	87	38	0	0	2	0		
VA	82	54	85	51	68	8	0.00	-0.84	0.00	3.38	74	26.71	83	98	48	0	0	0	0		
VA	82	63	86	60	72	9	0.00	-0.74	0.00	1.97	39	25.51	70	97	60	0	0	0	0		
VA	87	59	92	52	73	12	0.00	-0.80	0.00	0.85	19	23.22	67	94	41	2	0	0	0		
VA	80	56	85	53	68	9	0.00	-0.88	0.00	3.44	71	29.20	90	88	42	0	0	0	0		
WA	82	53	85	42	67	9	0.01	-0.71	0.01	3.05	68	25.60	81	97	50	0	0	1	0		
WA	90	42	96	31	61	-	0.47	0.44	0.40	0.80	36	4.63	116	70	35	0	1	2	0		
WA	57	42	63	39	49	-3	1.18	0.40	0.64	7.12	208	47.61	152	82	64	0	0	6	1		
WA	57	43	61	36	50	-2	3.49	1.44	1.23	19.52	245	98.22	145	96	69	0	0	6	3		
WA	56	46	60	43	51	-4	1.14	0.55	0.89	6.29	226	35.08	152	93	61	0	0	6	1		
WA	56	35	57	30	45	-5	0.60	0.43	0.55	1.70	173	13.54	121	91	42	0	3	3	1		
WA	58	34	64	29	46	-7	0.68	0.60	0.68	1.07	210	4.67	90	86	44	0	3	1	1		
WV	77	51	81	47	64	9	0.02	-0.64	0.02	1.50	34	31.73	96	96	49	0	0	1	0		
WV	81	53	84	49	67	8	0.05	-0.58	0.04	1.99	47	35.44	106	99	50	0	0	2	0		
WV	77	47	79	40	62	9	0.08	-0.62	0.02	3.94	81	33.96	94	99	43	0	0	4	0		
WV	81	55	83	50	68	9	0.03	-0.59	0.03	1.32	34	31.80	97	98	45	0	0	1	0		
WI	74	50	84	35	62	11	0.67	0.05	0.38	4.02	82	27.46	99	85	50	0	0	3	0		
WI	74	47	82	36	60	9	0.10	-0.44	0.08	2.87	66	25.62	108	95	56	0	0	2	0		
WI	77	51	85	37	64	12	0.12	-0.41	0.07	1.51	36	25.06	98	92	47	0	0	3	0		
WI	78	53	87	44	65	11	0.19	-0.38	0.17	3.09	72	29.51	111	91	50	0	0	2	0		
WY	70	35	81	30	62	3	0.30	0.08	0.26	1.52	118	10.96	102	80	27	0	4	2	0		
WY	67	40	77	29	53	3	0.09	-0.10	0.08	2.15	136	18.10	139	72	27	0	1	2	0		
WY	67	34	77	27	51	0	0.29	0.01	0.25	1.45	95	11.35	104	71	28	0	3	2	0		
WY	61	34	70	25	48	-3	0.74	0.45	0.57	1.70	93	13.84	113	89	50	0	1	3	1		

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

National Agricultural Summary

October 6 - 12, 1997

HIGHLIGHTS

Very warm, dry weather in the Eastern United States provided excellent harvest conditions, especially in the Corn Belt, where soybean growers harvested their crop at a near-record pace. Late-week storms caused flooding in southern Texas and slowed fieldwork

throughout the State. Scattered showers fell in the central and southern Plains, bringing beneficial moisture to newly emerged winter wheat. Fieldwork was limited by cool, damp weather along the northern Pacific Coast.

Soybeans: Warm, sunny weather provided excellent harvest conditions for soybean growers throughout the Corn Belt. A near-record 64 percent (%) of the national soybean acreage was harvested by week's end, well ahead of 37% harvested at this time last year and the 5-year average of 45%. This pace was equal to 64% harvested in 1994 and just 1 percentage point behind the record 65% set in 1987. Growers in several Corn Belt States harvested a third or more of their States' acreage during the week. Hoosier farmers harvested 45% of their soybean acreage during the week, the largest percentage harvested during 1 week on record in Indiana. In Wisconsin, harvest progressed at the fastest pace in the last 20 years. Harvest progressed ahead of the normal pace in all major soybean-producing States, especially Iowa, Minnesota, and South Dakota. Nationwide, leaves were dropping on 93% of the soybean acreage, compared with 87% last year and the average of 89%. Virtually all fields in the Corn Belt were shedding leaves. Many late-planted fields in the Southeast had yet to enter the shedding stage.

Corn: Corn was mature on 91 percent (%) of the Nation's acreage, 2 points ahead of maturity for both last year and the average. Maturity lagged behind normal only in Michigan and Ohio. Northern areas of the Great Lakes region reported below-freezing temperatures, but most of the corn was safe from frost. Elsewhere, corn fields reached maturity near or ahead of the normal pace. Maturity was significantly ahead of normal in Minnesota and South Dakota. Strong winds and corn borers caused breaking stalks and dropping ears in some fields of the western Corn Belt. Overall, corn harvest was 27% complete, ahead of both 20% harvested in 1996 and the average of 24%. Dry, warm weather promoted corn harvest throughout the major corn-producing States, especially in Colorado and Kentucky.

Cotton: Bolls were opening on 88% of the cotton acreage, compared with 87% a year ago and the average of 84%. In Texas, the cotton crop developed ahead of the average pace, but was slowed by cool weather and rainfall late in the week. Along the Texas Upper Coast, heavy rains and flooding caused lint loss and damage to quality. Harvest progressed ahead of the normal pace in Arizona and California. Across the Southeast, harvest progressed behind the normal pace.

Nationwide, cotton was 27% harvested, behind 34% for both last year and the average. Condition rated mostly good to fair.

Sorghum: Eighty-nine percent of the sorghum acreage was mature, ahead of both 83% in 1996 and the average of 80%. Fields in Colorado and New Mexico showed good progress due to warm, sunny weather. Fields in Oklahoma reached maturity well ahead of the normal pace. Sorghum advanced to 46% harvested, compared with 39% harvested in 1996 and the average of 44%. Despite scattered showers, harvest progressed well in the central Plains. In Texas, harvest gained momentum in the Plains until midweek rains hampered activity and cool weather slowed the maturing process.

Rice: Rice harvest neared completion with 91% of the acreage cut, 2 points ahead of last year and 5 points ahead of the average. Above-normal temperatures allowed farmers in Arkansas to make good harvest progress. California growers continued to harvest their crop well ahead of the normal pace. In Louisiana, growers cut second crop rice as fields became ready.

Peanuts: Peanuts were 63% harvested, well ahead of 44% harvested in 1996. Harvest was most active in Virginia, where growers harvested 47% of their State's acreage during the week. In Georgia, harvest was well ahead of the normal pace. Midweek rainfall in Texas slowed harvest activities.

Winter Wheat: The 1998 winter wheat crop advanced to 76% planted, ahead of both 70% planted in 1996 and the average of 71%. Warm, sunny conditions aided planting in Kansas for most of the week. Planting was nearly complete, except for some fields in east-central and southeastern areas of the State. Planting progressed rapidly in the Corn Belt as farmers immediately followed soybean harvest with winter wheat seeding. Planting in Texas continued until midweek precipitation fell. Seeding neared completion in Whitman County, Washington, where only a few eastern fields remained to be planted. Winter wheat was 47% emerged, ahead of both last year and the average. The same storm that slowed planting in Texas brought beneficial moisture to emerging fields in the central and southern Plains. Despite sharply colder weather at week's end, winter wheat emerged ahead of average in Idaho, Montana, and Washington.

September Crop Summary

Above-normal temperatures in the Central and Western United States provided favorable weather for crop maturation in September. Warm, sunny weather in the western Corn Belt pushed corn and soybeans to maturity, especially late in the month. Although below-normal temperatures kept progress behind normal in the eastern Corn Belt, dry weather allowed crops to mature slowly. Late-month frost caused little or no damage in the upper Midwest, Great Lakes, and Northeastern States. Mid-month showers in the Corn Belt and late-month rains in the Southeast may have benefited late-planted soybeans. Harvest was underway late in the month, but progressed behind the normal pace. End-of-month precipitation slowed harvest in the southern Plains and Southeast.

Cotton progress was ahead of normal in the western cotton-producing States, but behind normal farther east. In the Southeast, dry soils continued to stress fields until late-month storms brought relief. At the end of the month, Tropical Storm Nora caused some damage to fields in western Arizona, but overall damage was less than expected. The storm slowed defoliation activity in southern California, but harvest activities continued farther north.

Hot, dry weather stressed the peanut acreage for most of September until rains at the end of the month improved soil moisture supplies. Rice harvest progressed well ahead of average in California, but behind the normal pace elsewhere. Sorghum harvest gained momentum under clear, sunny skies until late-month rains fell and slowed activity in most major sorghum-producing States. Very warm, dry weather allowed spring small grain harvest to finish ahead of the average pace, especially in Minnesota, Montana, and North Dakota.

Planting of the 1998 winter wheat crop started slowly, then gained momentum toward the end of the month. Early on, Washington growers were delayed by showers and a later-than-normal harvest, but seeding progressed rapidly under clear skies the second half of the month. Farmers took preventative measures to control grasshoppers in Montana and Nebraska, delaying planting. Mid-month hot, dry weather in the central and southern Plains allowed farmers to make good planting progress. Late-month rainfall slowed planting in the central and southern Plains, but replenished dry soils.

U.S. Crop Production Highlights

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

Corn production is forecast at 9.31 billion bushels, up fractionally from 1996 and the September 1 forecast. If realized, this will be the third-highest corn production on record. Yields are expected to average 125.8 bushels per acre, up 0.6 bushels from last month, but down 1.3 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 2.72 billion bushels, down slightly from the September 1 forecast, but 14 percent (%) above the 1996 production. The yield is forecast at 39.0 bushels per acre,

0.3 bushels below the September 1 forecast, but 1.4 bushels above the 1996 final yield.

All cotton production is forecast at 18.4 million bales, down 8,000 bales from last month and down 3% from 1996. This is the fourth-largest crop on record. Yield is expected to average 658 pounds per acre, down 49 pounds from last year.

The initial forecast of the 1997-98 **all orange** crop is a record-large 14.3 million tons, up 12% from the previous record of 12.8 million tons set in the 1996-97 season.

Crop Progress and Condition

Week Ending October 12, 1997

Soybeans Percent Dropping Leaves

	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AL	85	68	66	65
AR	56	40	58	51
GA	84	76	72	73
IL	98	91	88	96
IN	100	95	95	99
IA	100	99	94	96
KS	97	89	90	94
KY	82	56	72	73
LA	95	90	84	82
MI	99	70	95	98
MN	99	99	99	95
MS	82	77	81	78
MO	94	82	74	85
NE	100	98	98	99
NC	47	29	44	50
OH	98	88	88	97
SC	28	24	23	23
SD	100	99	99	98
TN	75	58	82	75
ALL	93	86	87	89

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

Soybeans Percent Harvested

	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AL	21	8	13	13
AR	24	14	22	19
GA	12	7	3	5
IL	81	46	32	61
IN	72	27	25	55
IA	88	56	54	57
KS	54	30	28	37
KY	18	11	9	15
LA	72	60	55	48
MI	27	8	13	26
MN	91	69	72	49
MS	55	47	50	40
MO	45	25	22	29
NE	63	30	58	59
NC	9	4	7	5
OH	50	19	21	47
SC	3	2	3	2
SD	73	36	41	39
TN	13	6	8	10
ALL	64	37	37	45

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

Winter Wheat Percent Planted

	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AR	16	4	14	16
CA	1	0	4	2
CO	97	93	91	93
GA	3	1	3	5
ID	75	59	76	69
IL	55	12	26	38
IN	51	20	25	45
KS	90	60	78	83
MI	64	40	40	62
MO	44	20	31	32
MT	90	77	85	77
NE	97	93	97	98
NC	15	10	16	19
OH	50	19	32	52
OK	78	60	70	73
OR	72	50	64	58
SD	98	95	90	96
TX	67	59	83	69
WA	94	90	93	88
ALL	76	58	70	71

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

Winter Wheat Percent Emerged

	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AR	3	1	7	6
CA	0	0	0	0
CO	85	78	66	77
GA	1	0	1	2
ID	45	25	32	33
IL	9	1	5	8
IN	17	5	5	11
KS	52	28	41	50
MI	38	10	15	33
MO	17	4	10	11
MT	66	38	39	38
NE	87	68	70	82
NC	0	0	0	1
OH	9	1	9	13
OK	38	22	33	33
OR	33	21	24	25
SD	85	70	68	82
TX	42	34	66	47
WA	80	72	71	66
ALL	47	32	41	43

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

Corn Percent Mature

	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
CO	94	81	94	82
GA	100	100	100	100
IL	93	86	88	95
IN	94	86	82	93
IA	99	96	93	94
KS	99	97	99	98
KY	94	82	99	96
MI	55	24	70	68
MN	97	92	96	79
MO	100	98	97	96
NE	94	86	96	94
NC	100	100	100	100
OH	64	32	54	78
PA	62	50	73	65
SD	96	85	94	81
TX	97	96	100	99
WI	75	50	69	70
ALL	91	82	89	89

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

Corn Percent Harvested

	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
CO	30	10	17	15
GA	97	94	93	94
IL	28	13	21	27
IN	15	5	14	22
IA	22	8	8	17
KS	64	47	50	55
KY	60	34	61	61
MI	5	2	9	12
MN	22	6	14	13
MO	59	50	53	44
NE	20	11	12	17
NC	82	71	76	80
OH	4	1	9	14
PA	17	10	20	17
SD	20	7	7	12
TX	90	86	90	91
WI	6	4	8	12
ALL	27	15	20	24

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

Crop Progress and Condition

Week Ending October 12, 1997

Cotton Percent Bolls Opening				
	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AL	85	71	89	84
AZ	100	100	100	100
AR	94	90	98	93
CA	100	100	100	100
GA	83	77	90	86
LA	99	97	100	99
MS	91	88	100	99
MO	100	97	99	93
NM	97	84	95	92
NC	88	79	97	97
OK	68	62	65	63
SC	89	77	92	91
TN	96	92	100	99
TX	83	76	74	69
ALL	88	83	87	84

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

Cotton Percent Harvested				
	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AL	20	8	36	32
AZ	38	30	25	34
AR	30	15	44	37
CA	25	15	24	20
GA	21	10	28	26
LA	57	40	68	67
MS	36	21	64	52
MO	39	20	53	39
NM	6	3	13	6
NC	8	3	19	22
OK	5	1	4	13
SC	14	8	39	26
TN	27	13	56	38
TX	25	23	21	30
ALL	27	18	34	34

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

Sorghum Percent Mature				
	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AR	100	96	100	100
CO	45	14	48	59
IL	90	71	68	80
KS	91	73	81	75
LA	100	100	100	100
MS	98	96	100	100
MO	93	84	87	85
NE	95	87	82	84
NM	45	14	36	47
OK	80	67	52	45
SD	95	88	92	83
TX	90	86	93	90
ALL	89	78	83	80

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

Sorghum Percent Harvested				
	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AR	89	81	93	92
CO	3	2	11	12
IL	23	4	6	19
KS	35	23	24	27
LA	100	99	100	97
MS	95	93	94	95
MO	48	36	43	46
NE	35	13	7	18
NM	6	2	0	6
OK	22	12	18	17
SD	29	12	16	18
TX	66	61	68	76
ALL	46	36	39	44

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

Peanuts Percent Harvested				
	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AL	88	74	43	NA
FL	96	78	66	NA
GA	79	65	54	NA
NC	21	10	30	NA
OK	24	12	29	NA
SC	56	45	53	NA
TX	33	27	21	NA
VA	74	27	72	NA
ALL	63	49	44	NA

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

Rice Percent Harvested				
	Oct 12 1997	Prev Week	Prev Year	5-Yr Avg
AR	87	77	94	88
CA	90	70	58	60
LA	99	96	100	97
MS	92	84	96	90
TX	95	93	100	99
ALL	91	82	89	86

These 5 States produced 96% of the 1996 rice crop.

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	5	16	42	35	2
AZ	0	4	21	52	23
AR	0	7	32	46	15
CA	0	0	10	60	30
GA	4	11	39	40	6
LA	3	11	43	37	6
MS	2	7	31	47	13
MO	0	20	36	43	1
NM	0	5	23	72	0
NC	1	6	38	52	3
OK	0	1	16	68	15
SC	2	7	30	52	9
TN	1	5	22	62	10
TX	2	7	33	45	13
ALL	2	7	32	47	12
Prev Wk	2	9	32	47	10
Prev Yr	2	10	29	44	15

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

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

State Agricultural Summaries

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

ALABAMA: Days suitable for fieldwork 6.9. Topsoil 31% very short, 52% short, 17% adequate. Corn harvested 94%, 87% 1996, 89% avg. Wheat planted 10%, 14% 1996, 20% avg. Livestock 6% very poor, 25% poor, 44% fair, 24% good, 1% excellent. Clear skies, dry weather conditions provided excellent harvest conditions.

ARIZONA: Alfalfa harvest activity 23% light, 24% moderate 40% active, 13% not being harvested; 6% poor, 12% fair, 48% good, 34% excellent. Central, western growers shipped cantaloupe, honeydews. Central growers also shipped carrots, green onions, lettuce. Vegetable planting active in the west. Chile pepper, pistachio harvests continued in east.

ARKANSAS: Days suitable for fieldwork 6. Soil moisture 5% very short, 47% short, 47% adequate, 1% surplus. Above normal temperatures continued. Generally, the east was drier with statewide averaged precipitation near normal. Main farming activities: Harvesting rice, cotton, soybeans, planting wheat, winter pastures. Other farm activities included: Selling calves, harvesting hay. Duma Cotton Classing Office reported that 3,601 bales had been classed as of 12th. Alfalfa hay 13% poor, 37% fair, 49% good, 1% excellent. Other hay 3% very poor, 21% poor, 39% fair, 34% good, 3% excellent. Pasture feed 3% very poor, 24% poor, 39% fair, 32% good, 2% excellent.

CALIFORNIA: Seedbed preparation for planting small grains, forage crops was ongoing where conditions permitted. Earlier seeded fields of oat hay, winter forage were emerging well, growing rapidly. Cotton defoliation and harvest continued in the San Joaquin, Sacramento, desert valleys. Harvested fields were immediately shredded, disced for pink bollworm control. Some growers were still applying growth regulators to aid boll opening in late planted fields. Rice harvest was winding down in most growing areas. Some rice stubble fields were disced, while others were burned where regulations permitted. Corn for grain, silage, dry beans, grain sorghum were harvested. Old crop sugar beets were harvested in the San Joaquin Valley. New crop sugar beets were planted in the Imperial, San Joaquin Valleys. Some fields were sprayed for armyworms in the Sacramento Valley. Alfalfa was cut for hay or green chopped. Windrowed hay suffered slight rain damage in central, northern counties. Seeding of new alfalfa was underway in the northern San Joaquin Valley. Rainfall in the northern Sacramento Valley slowed the walnut, kiwifruit harvests. Pistachio harvesting continued. Almond harvest was nearly complete. Grape harvest is nearing completion. Some late variety wine and table grapes continued to be picked. Raisin grape picking was complete, with approximately 5% still drying. Following harvest, growers prepared vineyards for winter. Harvest of olives, persimmons, pomegranates, Asian pears, plums continued. Last of the season's peaches were being picked. Harvest of Fuji, Granny Smith, Red Delicious, Golden Delicious variety apples continued. Lemons, satsuma tangerines were harvested. Grapefruit, Pummelo harvesting was underway in the San Joaquin Valley. Navel orange picking was gaining momentum. In the absence of chilling weather, navel oranges were picked green, sweated at the packinghouse to produce acceptable color. In some areas, rainfall slowed harvest, delayed ground preparation for next year's vegetable crops. Lettuce, broccoli and cauliflower were harvested in the Salinas-Watsonville area. Lettuce was irrigated, thinned, weeded, treated for insects in the San Joaquin Valley. Broccoli harvesting began in Fresno County. Harvest of fresh market tomatoes progressed normally. Processing tomato harvest was completed. Garlic was planted on the west side of Fresno County. Pumpkin harvesting continued. Dry, warm weather has extended harvest of sweet potatoes, cucumbers, various summer vegetables. Sweet corn was harvested in the San Joaquin Valley. Honeydew, cantaloupe, watermelon harvests were winding down in the central San Joaquin Valley. Imperial Valley cantaloupe, honeydew

melon harvest progressed. Potato digging continued in Siskiyou County. Other crops harvested were onions, garlic, radishes, vineseed, eggplant, squash, okra, green beans. Light to moderate rainfall slowed progress of field activities from the southern San Joaquin Valley northward. Desert areas were greening after the rains of the last two weeks. However, pasture, range land remained in generally fair to poor condition, despite recent rainfall, cool fall temperatures. Supplemental feeding was still necessary throughout most of the State. Livestock were in good condition with the lower temperatures. Fall calving continued in the southern, central regions.

COLORADO: Days suitable for fieldwork 5.8. Topsoil 10% very short, 34% short, 51% adequate, 5% surplus. Subsoil 8% very short, 25% short, 59% adequate, 8% surplus. State experienced a warm week, high winds over the weekend ushered in the first major cold front for this season. Many agricultural areas saw their first freeze of the season during the week. Spring wheat 99% harvested, 100% 1996, 97% avg. Summer potatoes 97% harvested, 95% 1996, 95% avg. Dry onion 95% harvested, 100% 1996, 92% avg. Fall potatoes 96% harvested, 93% 1996, 91% avg. Sugar beets 15% harvested, 22% 1996, 17% avg.; 2% very poor, 8% poor, 20% fair, 54% good, 16% excellent. Dry beans 95% cut, 100% 1996, 93% avg.; 80% threshed, 94% 1996, 86% avg. Alfalfa 90% 3rd cutting, 89% 1996, 86% avg.; 52% 4th cutting, 39% 1996, 37% avg.; 1% very poor, 7% poor, 32% fair, 47% good, 13% excellent.

DELAWARE: Days suitable for fieldwork 6.5. Topsoil 15% very short, 49% short, 36% adequate. Subsoil 7% very short, 40% short, 53% adequate. Field corn 89% mature, 90% 1996, 97% avg.; 40% harvested for grain, 52% 1996, 60% avg.; 84% harvested for silage, 91% 1996, 97% avg. Soybeans 8% very poor, 20% poor, 30% fair, 40% good, 2% excellent; 69% turned, 71% 1996, 82% avg.; 57% shedding leaves, 54% 1996, 64% avg.; 7% harvested, 9% 1996, 11% avg. Sorghum 40% mature, 78% 1996, 71% avg.; 8% harvested, 11% 1996, 10% avg. Barley 52% seeded, 38% 1996, 38% avg. Wheat 11% seeded, 6% 1996, 8% avg. Apples 91% harvested, 88% 1996, 81% avg. Hay 17% very short, 37% short, 46% adequate. Clover, other hays 75% 4th cutting, 64% 1996, 38% avg. Alfalfa 91% 4th cutting, 78% 1996, 83% avg.; 10% 5th cutting, 15% 1996, 20% avg. Pasture feed 7% very poor, 21% poor, 42% fair, 30% good. Activities: Corn harvesting, soybean harvest starting to pick up, vegetable harvest done.

FLORIDA: Topsoil mostly short Panhandle, northern Peninsula. Central, southern Peninsula moisture mostly adequate. Sugarcane growth normal. Tobacco markets to close this week. Starting to pick cotton. Soybean harvest active. Dry weather excellent for haying. Sugarcane growers preparing to start harvest. Ninety-six percent peanuts harvested. Cooler temperatures aiding vegetable fruit development. Harvesting yellow squash, hot peppers, cherry tomatoes, watermelons, pickles underway, Palmetto-Ruskin, with some growers picking ripens from tomato fields planted to round varieties. East Coast growers started picking both hot and Bell peppers, sweet corn, eggplant. Harvesting snap beans, sweet corn, pickles, radishes continues around Zellwood. Sweet corn, snap bean picking continues, northern localities. Most citrus areas dry this week, scattered showers east coast, more rain needed. New growth slowing with shorter days, drier weather. Early fruit has advancing color break. Movement of early fruit for fresh packing increasing all areas. A few more processing plants opening to receive packing house eliminations. Caretakers cutting cover crops, some cover crops out of control. Growers working ditches for water control. Pasture feed poor, 30% fair, 50% good, 10% excellent. Cattle 35% fair, 50% good, 15% excellent. Dry weather has exhausted late season perennial Panhandle pasture. Feeding hay necessary for some Panhandle operations, especially those with heavier stocking rates.

North, central, ranchers planting some grains for winter pasture. However, dry, hot weather delayed some planting. Pasture growth central, southern slowed due to seasonally cooler weather. Cattle mostly fair to good condition.

GEORGIA: Days suitable for fieldwork 6.7. Soil 12% very short, 44% short, 43% adequate, 1% surplus. Hay 3% very poor, 19% poor, 49% fair, 28% good, 1% excellent. Peanuts 8% very poor, 14% poor, 48% fair, 27% good, 3% excellent; 90% dug, 70% 1996, 82% avg. Rye 30% planted, 29% 1996, 32% avg. Sorghum 5% very poor, 16% poor, 45% fair, 33% good, 1% excellent; 55% harvested for grain, 47% 1996, 65% avg. Soybeans 14% very poor, 31% poor, 31% fair, 23% good, 1% excellent. Other small grains 18% planted, 15% 1996, 19% avg. Apples 9% poor, 43% fair, 32% good, 16% excellent; 83% harvested, 92% 1996, 85% avg. Pecans 3% very poor, 21% poor, 41% fair, 33% good, 2% excellent; 5% harvested, 2% 1996, 4% avg. Activities: Soil moisture levels fell across the State due to lack of rainfall. Scattered showers reported in a few isolated areas. Corn harvest continues a few days ahead of normal. Harvest of cotton active, is only a few days behind average. Farmers continue to defoliate cotton. Peanut harvest well ahead of normal. Soybean harvest advanced, progress more than a week ahead of normal. Sorghum harvest trails average by 7-10 days. Wheat planting increasing. Seeding of rye and small grains slightly behind average. Pecan conditions steady. Hay fields, pasture in fair to good condition. Other activities include land preparations for fall planting, cutting and baling hay, overseeding pastures, mowing harvested cotton stalks, harvesting fall vegetables, spraying for insects and diseases.

HAWAII: Weather unfavorable for agriculture. Farming slowed. Orchard crops fair to good. Leafy crops poor to fair. Spraying stepped up. Banana harvesting increasing some areas. Crop mostly good. Papaya harvesting active, crop condition varied fair to good. Head cabbage hampered by wet conditions. Harvesting steady. Crop condition fair to good. Cucumber harvesting very active on Oahu. Tomato harvesting steady. Papaya harvesting active. Crop condition varies poor to good. Disease a problem in some areas.

IDAHO: Days suitable for fieldwork 5.0. Rain, some snow showers slowed fall fieldwork. Topsoil 6% short, 92% adequate, 2% surplus. Winter wheat 1% fair, 88% good, 11% excellent. Potatoes harvested 71%, 76% 1996, 75% avg.; 5% poor, 19% fair, 64% good, 12% excellent. Alfalfa harvested 3rd cutting 94%, 91% 1996, 90% avg. Oats harvested for grain 98%, 97% 1996, 98% avg. Dry beans harvested 99%, 96% 1996, 93% avg. Apples harvested 54%, 59% 1996, 60% avg. Onions harvested 95%, 94% 1996, 92% avg. Sugar beets harvested 22%, 16% 1996, 26% avg. Corn harvested for silage 87%, 89% 1996, 86% avg. Corn harvested for grain 10%, 10% 1996, 17% avg. Irrigation water supply 47% excellent, 52% good, 1% fair. Activities: Harvesting, plowing, preparing seed beds, seeding winter grains, moving livestock to fall pasture and grazing.

ILLINOIS: Days suitable for fieldwork 6.3. Topsoil 10% very short, 44% short, 46% adequate. Warm, dry, relatively windy conditions continued last week as soybean harvest progressed substantially. Soybean harvesting could wrap up in a week or so. Dry, warm weather allowed corn to continue drying down, harvest picked up momentum last week. There are many concerns that the windy weather experienced again last week has lodged the corn, blew down the tops of stalks where borer damage was evident. Winter wheat is being sown at a near record pace for this time. Soaking rains are needed for good emergence to occur. Other activities last week included livestock care, preparation, fall plowing, applying anhydrous fertilizer, manure hauling, cutting silage, maintaining machinery.

INDIANA: Days suitable for fieldwork 6.1. Topsoil 19% very short, 44% short, 37% adequate. Subsoil 16% very short, 39% short, 44% adequate, 1% surplus. Continued dry, sunny conditions allowed Hoosier farmers to harvest 45% of the soybean acreage. This is the largest percentage harvested during one week on record. Range, pasture feed 12% very poor, 26% poor, 35% fair, 23% good, 4% excellent. Tobacco 90% harvested, 97% 1996, 98% avg. Activities: Harvesting soybeans, corn, wheat seedbed preparation and planting, tilling harvested soybean acreage, caring for livestock.

IOWA: Days suitable for fieldwork 6.1. Topsoil 11% very short, 37% short, 49% adequate, 3% surplus. Subsoil 14% very short, 41% short, 44% adequate, 1% surplus. Soybean harvest is just about complete in many parts of the State; corn harvest is moving smoothly. Winds this week caused some corn lodging. Second generation corn borers were reported to have done damage in some areas resulting in ear droppage. Corn mature 99%, 93% 1996, 94% avg.; harvested 22%, 8% 1996, 17% avg. Soybean leaves dropping 100%, 94% 1996, 96% avg.; harvested 88%, 54% 1996, 57% avg. Percentage moisture of corn in the field averaged 21%, while the percentage moisture of harvested corn averaged 18%. Soybeans lodging 46% none, 41% light, 11% moderate, 2% heavy; shattering 35% none, 36% light, 22% moderate, 7% heavy. Completion of 1998 row crop fall tillage 6%, 3% 1996, 5% avg.; fall fertilizer applied 6%, 3% 1996, 4% avg. Winter wheat planted 73%, 55% 1996, 62% avg. Livestock good. Cool nights are reported to be causing some respiratory problems. Some movement, weaning of calves. Range, pasture condition decreased from last week. Pasture feed 8% very poor, 19% poor, 32% fair, 34% good, 7% excellent.

KANSAS: Days suitable for fieldwork 5.0. Topsoil 2% very short, 20% short, 73% adequate, 5% surplus. Subsoil 4% very short, 19% short, 76% adequate, 1% surplus. Wheat seedings, fall harvest made good progress last week. Wheat progress is ahead of 1996 and average, near complete except for the east-central, southeast. Fall harvest is ahead of normal. Wheat 1% poor, 18% fair, 67% good, 14% excellent. Corn 1% very poor, 4% poor, 18% fair, 60% good, 17% excellent. Sorghum 1% very poor, 2% poor, 19% fair, 64% good, 14% excellent. Soybeans 1% poor, 21% fair, 69% good, 9% excellent. Sunflowers 1% very poor, 6% poor, 28% fair, 59% good, 6% excellent; mature 95%; harvested 34%. Stock water 1% very short, 10% short, 88% adequate, 1% surplus. Major field activities: Planting wheat, fall harvest. Livestock producers are weaning, moving cattle off pastures to crop residue.

KENTUCKY: Days suitable for fieldwork 5.8. Topsoil 39% very short, 45% short, 16% adequate. Subsoil 35% very short, 43% short, 21% adequate, 1% surplus. Tobacco 1% very poor, 5% poor, 37% fair, 47% good, 10% excellent. Increased humidity needed to bring tobacco into case for stripping. Harvesting of tobacco should be winding up this week, with expected frost date near. Corn harvest promoted by warm, dry weather. Late soybeans benefitted by warm temperatures but pod filling hampered by dry conditions. Dry weather is hampering the germination of seeded wheat. Wheat seeded 25%, 23% 1996, 28% avg. Pasture feed 17% very poor, 27% poor, 37% fair, 17% good, 2% excellent.

LOUISIANA: Days suitable for fieldwork 6.4. Soil moisture 22% very short, 48% short, 30% adequate. Cotton harvest continued in earnest. Hay 99% 2nd cutting, 98% 1996, 93% avg. Pecans 12% very poor, 12% poor, 40% fair, 35% good, 1% excellent; 6% harvested, 6% 1996, 4% avg. Southern growers cut 2nd crop rice as fields became ready. Soybeans 99% turning color, 95% 1996, 95% avg. Harvesting of late beans gained momentum. Sugarcane 3% poor, 22% fair, 55% good, 20% excellent; 99% planted, 82% 1996, 92% avg.; 11% harvested, 3% 1996, 6% avg. Planting was virtually complete. Harvesting activities gained momentum. Sweet potatoes 62% harvested, 67% 1996, 64% avg. Harvest was slow due to bruising from dry soils. Wheat 20% planted, 9% 1996, 8% avg.; 4% emerged, 2% 1996, 1% avg. Livestock 9% poor, 40% fair, 47% good, 4% excellent. Fall calving was in progress. Vegetables 5% very poor, 21% poor, 42% fair, 30% good, 2% excellent.

MARYLAND: Days suitable for fieldwork 6.8. Topsoil 28% very short, 42% short, 30% adequate. Subsoil 25% very short, 41% short, 34% adequate. Field corn 94% mature, 96% 1996, 94% avg.; 37% harvested for grain, 48% 1996, 53% avg.; 96% harvested for silage, 92% 1996, 88% avg. Soybeans 19% very poor, 14% poor, 32% fair, 27% good, 8% excellent; 80% turned, 80% 1996, 87% avg.; 60% shedding leaves, 65% 1996, 69% avg.; 16% harvested, 7% 1996, 13% avg. Sorghum 72% mature, 93% 1996, 83% avg.; 22% harvested, 20% 1996, 24% avg. Barley 59% seeded, 52% 1996, 51% avg. Rye 38% seeded, 28% 1996, 37% avg. Wheat 15% seeded, 12% 1996, 16% avg. Apples 77% harvested, 56% 1996, 66% avg. Hay supplies 17% very short, 37% short, 45% adequate, 1% surplus. Alfalfa hay

81% 4th cutting, 80% 1996, 87% avg.; 17% 5th cutting, 32% 1996, 32% avg. Clover, other hays 76% 4th cutting, 55% 1996, 50% avg. Activities: Corn harvesting, soybean harvest picking up, vegetable harvest done, tobacco stripping began.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 2% very short, 10% short, 87% adequate, 1% surplus. Subsoil 14% short, 85% adequate, 1% surplus. Temperatures were well above normal; though a few areas received frost. Some precipitation was scattered across the State. All hay 4th cutting harvested 54% 1997, 36% 1996, 41% avg.; 2% very poor, 10% poor, 43% fair, 41% good, 4% excellent. Corn silage harvested 81% 1997, 81% 1996, 76% avg. Dry beans, harvested 95% 1997, 53% 1996, 80% avg. Pasture feed 1% very poor, 19% poor, 41% fair, 34% good, 5% excellent.

MINNESOTA: Days suitable for fieldwork 5.6. Topsoil 3% very short, 14% short, 77% adequate, 6% surplus. Corn 97% mature, 96% 1996, 79% avg.; 22% harvested, 14% 1996, 13% avg.; 97% silage cut, 95% 1996, 84% avg.; 21% moisture content, 29% 1996, 28% avg.; 7% stubble worked, 2% 1996, 5% avg. Soybeans 99% mature, 97% 1996, 89% avg.; 91% harvested, 72% 1996, 49% avg.; 11% moisture content, 12% 1996, 13% avg.; 48% stubble worked, 38% 1996, 21% avg. Sunflowers 17% harvested, 46% 1996, 37% avg. Potatoes 89% harvested, 87% 1996, 80% avg. Flax 94% harvested, 91% 1996, 81% avg. Stubble plowed 90%, 76% 1996, 75% avg. Sugar beets 34% harvested, 83% 1996, 60% avg. Pasture feed 4% very poor, 15% poor, 40% fair, 36% good, 5% excellent. Corn 1% very poor, 4% poor, 24% fair, 51% good, 20% excellent. Soybeans 1% very poor, 5% poor, 30% fair, 52% good, 12% excellent.

MISSISSIPPI: Days suitable for fieldwork 6.7. Soil moisture 32% very short, 34% short, 34% adequate. Corn 98% grain harvested, 96% 1996, 91% avg. Soybeans 95% turning color, 96% 1996, 95% avg.; 82% shedding leaves, 81% 1996, 78% avg.; 55% harvested, 50% 1996, 40% avg.; 2% very poor, 11% poor, 20% fair, 48% good, 19% excellent. Sweet potatoes 49% harvested, 69% 1996, 69% avg.; 10% poor, 45% fair, 43% good, 2% excellent. Pecans 5% very poor, 15% poor, 33% fair, 46% good, 1% excellent. Wheat 1% very poor, 8% poor, 20% fair, 71% good. Cattle 2% very poor, 7% poor, 24% fair, 54% good, 13% excellent. Pasture feed 8% very poor, 20% poor, 35% fair, 32% good, 5% excellent. Activities: Harvesting corn, cotton, rice, soybeans; planting wheat.

MISSOURI: Days suitable for fieldwork 5.2. Topsoil 6% very short, 35% short, 57% adequate, 2% surplus. Several days of warm, dry weather enabled farmers to continue row crop harvesting, winter wheat seeding during the past week. Soybean development, harvesting progress are both about 1 week ahead of last year, normal. Soybean harvesting is most advanced in the northeastern, north-central districts, with 78%, 52% complete, respectively. Bean harvesting is least advanced in the southern third of the State, with about 28% complete. Corn harvesting is most advanced for this date since 1989. Corn harvesting is complete in the southwestern, southeastern districts, while the northwestern, northeastern districts are least advanced, with 30% harvested. Sorghum is most advanced in the southwestern, southeastern districts at 100% mature; about 73% harvested, while the central, east-central districts are least advanced at 80% mature, 20% harvested. Pasture feed 3% very poor, 16% poor, 40% fair, 37% good, 4% excellent.

MONTANA: Days suitable for fieldwork 5.4. Topsoil 7% very short, 45% short, 46% adequate, 2% surplus. Subsoil 7% very short, 42% short, 50% adequate, 1% surplus. Precipitation helped improve soil moisture. Harvest of small grains virtually complete. Seeding of winter wheat in some areas delayed due to dry conditions. Corn for silage harvested 99%, 89% 1996, 93% avg. Dry beans harvested 99%, 99% 1996, 93% avg. Potatoes harvested 50%, 55% 1996, 62% avg. Sugar beets harvested 49%, 52% 1996, 40% avg. Alfalfa hay 2nd cutting 99% complete, 100% 1996, 99% avg. Third cutting of hay nearly complete. Cattle, calves moved from summer ranges 47%, 43% 1996, 46% avg. Sheep, lambs moved from summer ranges 59%, 50% 1996, 52% avg. Livestock reported in good to excellent condition, with weaning of calves in progress.

NEBRASKA: Days suitable for fieldwork 6.3. Subsoil 7% very short, 35% short, 58% adequate. Topsoil 4% very short, 37% short, 58% adequate, 1% surplus. Soybean harvest was in full swing last week, with nearly two-thirds of the crop combined as of 12th. Harvest activities moved at a rapid pace, by weekend, wet field conditions slowed progress. Corn 3% very poor, 6% poor, 27% fair, 51% good, 13% excellent. Irrigated corn 74% good to excellent, dryland corn 46% good to excellent; 94% mature, 96% 1996, 94% avg., 20% harvested, 12% 1996, 17% avg.; moisture content of harvested grain varied from 13-25%; stalk breakage, ear droppage were reported in east-central, south-central parts of the State due to wind, cornborer damage. Soybean 2% very poor, 12% poor, 30% fair, 46% good, 10% excellent; 63% harvested, 58% 1996, 59% avg.; harvest was difficult due to green stems, weed infestations; a hard freeze would ease this problem, some reports indicated that moisture content was under 10%. Sorghum 3% very poor, 12% poor, 31% fair, 44% good, 10% excellent; 95% mature, 82% 1996, 84% avg.; 35% harvested, 7% 1996, 18% avg. Dry bean 95% harvested, 97% 1996. Alfalfa 3% very poor, 15% poor, 37% fair, 43% good, 2% excellent; 79% 4th cutting. Winter wheat 97% planted, 97% 1996, 98% avg.; 87% emerged, 70% 1996, 82% avg. Pasture feed 5% very poor, 20% poor, 31% fair, 42% good, 2% excellent; some supplemental feeding; cattle will be moved to stalks as corn harvest progresses; weaning and working calves.

NEVADA: Irrigation season coming to an end with water supplies adequate all year. Pasture, range forage supplies declining seasonally. Field preparations, seeding of winter grains, new alfalfa fields continued. Alfalfa 3rd cutting very nearly complete, 4th cutting getting underway central, 5th cutting underway south. Corn harvest well along. Onion, potato harvests continue. Calves being weaned, livestock movement to fall pastures underway. Main farm, ranch activities: Haying, onion harvest, potato harvest, weaning calves.

NEW ENGLAND: Days suitable for fieldwork 6.8. Topsoil 1% very short, 36% short, 61% adequate, 2% surplus. Subsoil 1% very short, 14% short, 83% adequate, 2% surplus. Pasture feed 2% very poor, 3% poor, 47% fair, 45% good, 3% excellent. Maine potatoes 90% harvested, 90% 1996, 90% avg.; condition good. Massachusetts potatoes 95% harvested, 85% 1996, 90% avg.; condition good. Rhode Island potatoes 95% harvested, 70% 1996, 90% avg.; condition good to excellent. Oats in Maine 95% harvested, 99% 1996, 95% avg.; condition good. Barley in Maine 95% harvested, 99% 1996; condition good to excellent. Field corn 65% harvested, 70% 1996, 75% avg.; condition good to fair. Sweet corn 99% harvested, 99% 1996, 99% avg.; condition good. First cut hay 99% harvested, 100% 1996, 100% avg.; condition good to fair. Second cut hay 95% harvested, 95% 1996, 95% avg.; condition good to fair. Third cut hay 90% harvested, 75% 1996, 80% avg.; condition good. Apples 80% harvested, 85% 1996, 80% avg.; fruit size avg.; condition good to excellent. Peaches 100% harvested; 100% 1996, fruit size avg. to above avg.; condition good to excellent. Pears 85% harvested, 75% 1996; fruit size avg.; condition good. Cranberries 50% harvested, 60% 1996; fruit size avg. to above avg.; condition good to excellent. Warm, dry week. Season winding down. Major farm activities: Harvesting field corn, potatoes, pumpkins, winter squash, cranberries, apples, pears; spreading manure; diking down harvested fields, planting cover crops; cutting hay; spreading lime, fertilizer.

NEW JERSEY: Days suitable for fieldwork 7. Topsoil short. Main farming: Harvesting vegetables, planting cover crops and implementing pest control measures. Harvesting of fall items (spinach, cabbage, parsley, lettuce, sweet potatoes, endive, escarole, indian corn, beets, turnips, pumpkins) is increasing. Farmers are finishing up their harvest of summer vegetables (tomatoes, eggplant, peppers, sweet potatoes). Harvesting of soybeans has started. Harvest of corn for grain, silage continues. Alfalfa 4th cutting reported. Pasture feed poor to good. Good, increasing volume of apples. Cranberry harvest continues.

NEW MEXICO: Days suitable for fieldwork 6.2. Topsoil 1% very short, 25% short, 73% adequate, 1% surplus. Across the State, hay producers are finishing the last cutting for the year. Fifth cutting of alfalfa reached 84% complete, 6th cutting 35% completed; 11% poor, 25% fair, 60% good, 4% excellent. South cotton harvest was in full swing last week; 6% harvested, 13% 1996, 6% avg.; 97% bolls open, 95% 1996, 92% avg.; 5% poor, 23% fair, 72% good. Sorghum harvest

continued; 6% harvested, 0% 1996, 6% avg.; 45% mature, 36% 1996, 47% avg.; 13% poor, 33% fair, 52% good, 2% excellent. Green chile harvest was almost done, with 99% harvested, while red chile harvest reached 16% complete; 1% poor, 24% fair, 74% good, 1% excellent. Corn 9% fair, 85% good, 6% excellent; 100% mature, 100% 1996; 46% of grain crop harvested, 97% of silage in. Wheat producers almost finished fall planting; 99% complete, 95% 1996, 97% avg.; 86% emerged, 85% 1996, 68% avg. Apple harvest was coming to a close, 90% of the crop harvested. Pecan crop received damage from high winds, extent of the damage is still unknown. Pecan 40% fair, 46% good, 14% excellent. Fall onion planting progressed to 89% complete. Lettuce harvest began 27% of the crop was harvested; 10% fair, 80% good, 10% excellent. Cattle, sheep mostly good. Range, pasture feed 10% poor, 24% fair, 59% good, 7% excellent.

NEW YORK: Days suitable for fieldwork 6.3. Soil moisture 28% short, 72% adequate. Pasture feed 7% poor, 36% fair, 54% good, 3% excellent. Corn 25% fair, 75% good; grain corn 8% harvested, 13% 1996, 10% avg.; silage corn 70% harvested, 74% 1996, 67% avg. Alfalfa hay 3rd cutting 92% complete, 88% 1996, 90% avg. Soybean harvest underway. Dry bean harvest in full swing. Apples maturing rapidly. Harvest in high gear. Cider making very active. Grape harvest continued. Wineries pressing, processing grapes. Orange County onions 95% harvested. Quality good to excellent. Cabbage harvest still active.

NORTH CAROLINA: Days suitable for fieldwork 6.6. Soil moisture 9% very short, 51% short, 40% adequate. Activities: Harvesting, barning, marketing of flue-cured tobacco; harvesting burley tobacco, apples, sweet potatoes, cotton, soybeans, corn; cutting silage; cutting hay; planting and preparing land for planting of small grains; planting cover crops; maintaining pastures; tending livestock; repairing equipment. Barely any rain fell over the State, continuing the trend of below-average rainfall. With cotton almost 2 weeks behind schedule, soaking rains in the next few weeks could still help yields. However, prospects for such are not encouraging.

NORTH DAKOTA: Days suitable for fieldwork 4. Topsoil 13% very short, 22% short, 55% adequate, 10% surplus. Subsoil 10% very short, 31% short, 53% adequate, 6% surplus. Producers made excellent progress on late season crop harvest before rain hit during the later part of the week. Hard freeze was reported, which will accelerate the dry down process for corn, sunflowers. Late season crop harvest continued at a pace well ahead of average, except for sugar beets. Precipitation over the weekend made sugar beet harvest difficult, even halted progress in some areas. Canola 99% combined, 95% 1996. Corn for grain 96% ripe and beyond, 98% 1996, 86% avg.; 30% harvested, 9% 1996, 15% avg. Corn for silage 96% chopped, 95% 1996, 92% avg. Dry edible beans 97% combined, 93% 1996, 84% avg. Flaxseed 98% combined, 88% 1996, 86% avg. Potatoes 95% dug, 86% 1996, 90% avg. Soybeans 91% harvested, 71% 1996, 65% avg. Sugar beets 29% lifted, 82% 1996, 64% avg. Sunflower 98% bracts turned brown and beyond, 99% 1996, 93% avg.; 44% harvested, 16% 1995, 15% avg. Sunflower, sugar beet conditions remained relatively unchanged, while corn for grain declined slightly from last week. Emerged crop condition: Corn for grain 8% poor, 29% fair, 49% good, 14% excellent. Sugar beets 5% very poor, 7% poor, 17% fair, 58% good, 13% excellent. Sunflower 2% very poor, 6% poor, 26% fair, 53% good, 13% excellent. Pasture feed 14% very poor, 33% poor, 37% fair, 16% good. Besides combining, chemical applications, fall tillage were major activities. Ranchers were busy weaning calves, hauling hay.

OHIO: Days suitable for fieldwork 6.6. Topsoil 10% very short, 37% short, 52% adequate, 1% surplus. Corn dented is virtually complete; matured 14 points behind avg.; harvested for grain increased 3 points; 66% harvested for silage, 60% 1996, 80% avg. Soybeans dropping leaves 1 point ahead of avg.; 82% matured; harvested 1 day behind avg. Winter wheat planted 2 points behind avg.; emerged 4 points behind avg. Other hay 92% 3rd cutting, 93% 1996, 95% avg. Tobacco 92% harvested; 2% stripped. Fall, winter apples 60% harvested. Potatoes 84% harvested, 71% 1996, 83% avg. Processing tomatoes 96% harvested, 97% 1996, 97% avg. Grapes 69% harvested. Activities: Mowing, baling 4th cutting hay; fall plowing; soil testing; applying lime, fertilizer, manure; tiling; equipment maintenance, preparation; filling silos,

grain bins; harvesting pumpkins, gourds, sweet corn, garden vegetables; cider processing; firewood cutting. Reported weed pressures: Ragweed, velvet leaf. Reported insects: European corn borer in corn; Potato leafhopper in corn, soybeans. Reported diseases: White mold in soybeans, late tomato blight. Hay 1% very poor, 5% poor, 36% fair, 49% good, 9% excellent.

OKLAHOMA: Days suitable for fieldwork 5.2. Topsoil 4% very short, 23% short, 64% adequate, 9% surplus. Subsoil 8% very short, 11% short, 80% adequate, 1% surplus. Beneficial rainfall received with heaviest accumulations southeast. Oats 37% planted, 49% 1996, 50% avg.; 9% up to stand, 5% 1996, 20% avg. Corn 90% harvested, 78% 1996, 86% avg. Soybeans 80% mature, 77% 1996, 68% avg.; 25% harvested, 36% 1996, 31% avg. Peanuts 67% mature, 70% 1996, 69% avg.; 10% combined, 14% 1996, 10% avg. Alfalfa hay 89% 4th cutting, 93% 1996, 95% avg.; 30% 5th cutting, 31% 1996, 46% avg. All other hay 70% 2nd cutting, 100% 1996, 100% avg. Livestock 3% poor, 17% fair, 72% good, 8% excellent. Feeder steer prices down \$2.00.

OREGON: Days suitable for fieldwork 5.2. Topsoil 4% very short, 22% short, 66% adequate, surplus 8%. Subsoil 2% very short, 17% short, 80% adequate, 1% surplus. Barley planted 31%, 23% 1996, 29% avg. Winter wheat 12% fair, 88% good; planted 72%, 64% 1996, 58% avg.; emerged 33%, 24% 1996, 25% avg. Activities: Rain stopped nearly all activity on Westside of State. Producers need drier weather to complete fall seeding activities. On the eastern side of the State, some alfalfa hay down in northeast, sugar beet harvest underway in Klamath Basin. Conditions good for fall seeding in the Mid-Columbia area. Greenhouses supplying fall bedding plants. Christmas tree growers benefiting from abundant early fall rains. Onion, potato, sweet corn for processing harvest continued on east side. Willamette Valley growers harvested cauliflower, sweet corn, pumpkins ready for Halloween. Onions reported mostly harvested. Willamette Valley hazelnut harvest continued when possible, late apple harvest continued. Walnuts beginning to drop, grapes need sunshine. Rogue River Valley some pears, apples still being picked, vineyard picking has started. South coast cranberry harvest continued. Livestock condition good in the east, the first killing frosts occurred, stopped most grass growth. Cattle being moved down from high elevation ranges, weaning continued, yearlings sent to feedlots. South livestock excellent condition, pastures in good condition. Some snow in the high country means cattle movement to lower pastures begin soon. Willamette Valley pastures continued putting on good growth, many too wet to graze. Livestock fair to good.

PENNSYLVANIA: Days suitable for fieldwork 6.6. Excellent for fieldwork. Soil moisture 6% very short, 43% short, 50% adequate, 1% surplus. Ensilage corn harvest 75% complete, 70% 1996, 72% avg. Soybean harvest 13% complete, 5% 1996, 11% avg.; 10% very poor, 20% poor, 43% fair, 25% good, 2% excellent. Wheat planted 62% complete, 53% 1996, 58% avg.; emerged 28% complete, 29% 1996, 25% avg. Barley planted 78% complete, 73% 1996, 77% avg.; emerged 50% complete, 48% 1996, 41% avg. Potato harvest 78% complete, 71% 1996, 76% avg. Alfalfa 3rd cutting 94% complete, 94% 1996, 91% avg.; 4th cutting 67% complete, 63% 1996, 60% avg. Quality of hay made 15% poor, 30% fair, 40% good, 15% excellent. Apple harvest 66% complete, 71% 1996, 72% avg. Grape harvest 45% complete, 81% 1996, 72% avg. Fall plowing 72% complete, 60% 1996, 67% avg. Activities: Harvesting fruits, vegetables; making hay and haylage; filling silos; seeding barley and wheat; plowing fields; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 6.4. Soil moisture 4% very short, 41% short, 55% adequate. Apples 85% harvested, 82% 1996, 81% avg.; 30% fair, 70% good. Barley 33% planted, 19% 1996, 12% avg.; 26% emerged, 14% 1996, 7% avg.; 16% fair, 84% good. Corn 99% harvested, 98% 1996, 96% avg.; 3% poor, 15% fair, 57% good, 25% excellent. Cotton 89% bolls opened, 92% 1996, 91% avg.; 14% harvested, 39% 1996, 26% avg.; 2% very poor, 7% poor, 30% fair, 52% good, 9% excellent. Oats 33% planted, 27% 1996, 21% avg.; 25% emerged, 17% 1996, 11% avg.; 5% poor, 37% fair, 36% good, 22% excellent. Peanuts 56% harvested, 53% 1996, 49% avg.; 6% poor, 22% fair, 70% good, 2% excellent. Pecans 5% harvested, 15% 1996; 62% fair, 38% good. Rye 42% planted, 30% 1996, 26% avg.;

28% emerged, 18% 1996, 15% avg.; 57% fair, 32% good, 11% excellent. Sorghum 80% harvested, 72% 1996, 59% avg.; 1% very poor, 15% poor, 43% fair, 41% good. Soybeans 73% leaves turning color, 63% 1996, 58% avg.; 28% leaves dropped, 23% 1996, 23% avg.; 18% mature, 13% 1996, 12% avg.; 3% harvested 3% 1996, 2% avg.; 4% very poor, 14% poor, 40% fair, 39% good, 3% excellent. Sweet potatoes 43% harvested, 37% 1996, 42% avg.; 1% very poor, 2% poor, 26% fair, 70% good, 1% excellent. Tobacco 97% stalks destroyed, 80% 1996, 86% avg. Winter grazings 58% planted, 52% 1996, 47% avg.; 39% emerged, 32% 1996, 31% avg.; 2% very poor, 8% poor, 44% fair, 42% good, 4% excellent. Winter wheat 22% planted, 9% 1996, 5% avg.; 8% emerged, 3% 1996, 2% avg.; 6% poor, 32% fair, 60% good, 2% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 5.2. Topsoil 4% very short, 16% short, 73% adequate, 7% surplus. Subsoil 5% very short, 16% short, 74% adequate, 5% surplus. Stock water 4% short, 90% adequate, 6% surplus. Major activities: Harvesting row crops for grain, harvesting corn, sorghum for silage, moving hay, fall tilling. Corn 4% poor, 14% fair, 50% good, 32% excellent. Soybean 1% very poor, 7% poor, 17% fair, 52% good, 23% excellent. Sorghum 1% poor, 5% fair, 72% good, 22% excellent. Sunflower 5% poor, 15% fair, 48% good, 32% excellent. Winter rye 1% very poor, 4% poor, 35% fair, 46% good, 14% excellent. Winter wheat 1% very poor, 3% poor, 8% fair, 65% good, 23% excellent. Livestock 7% fair, 71% good, 22% excellent. Winter rye 98% planted, 88% 1996, 96% avg.; 91% emerged, 72% 1996, 85% avg. Sunflower 95% mature, 95% 1996, 88% avg.; 40% harvested, 24% 1996, 25% avg. Soybeans 99% mature, 94% 1996, 86% avg. Corn silage 98% harvested, 89% 1996, 84% avg. Sorghum silage 97% harvested, 72% 1996, 70% avg.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 9% very short, 45% short, 45% adequate, 1% surplus. Subsoil 7% very short, 42% short, 50% adequate, 1% surplus. Corn 85% grain harvested, 87% 1996, 78% avg.; 96% silage harvested, 100% 1996, 97% avg. Tobacco 91% burley harvested, 97% 1996, 98% avg.; 15% burley striped, 20% 1996, 18% avg.; 99% air cured harvested, 100% 1996, 100% avg.; 92% fire cured harvested, 98% 1996, 99% avg. Sorghum 85% grain harvested, 59% 1996, 80% avg. Winter wheat 22% seeded, 25% 1996, 23% avg. Pasture feed 3% very poor, 14% poor, 41% fair, 38% good, 4% excellent. Nearly a full week of favorable weather greeted the State's corn, cotton, soybean growers, allowing producers to pick up the pace of harvest activities. Corn harvest progressed a week ahead of the five-year average, and is about complete in western areas. Cotton harvest was in full swing, with more than one-fourth now ready for ginning. Warm temperatures, dry conditions helped mature the soybean crop. Harvest is progressing slightly ahead of the five-year average pace. Tobacco harvest is just about finished, burley stripping is underway, slightly behind schedule. With corn combining winding down in western areas, sorghum harvest soared, with only 15% remaining to be harvested. Wheat seeding was also a major activity as nearly one-fourth of the crop has now been seeded. Pastures improved, many producers that were feeding hay have cut back.

TEXAS: Producer's prayers for rain answered nearly all areas as week mostly wet. Very heavy rains in Coastal Bend, along Upper Coast caused flooding, soil erosion, stalled harvest operations along Upper Coast. Rainfall will help small grains, winter pastures statewide. Cooler temperatures moved into State by late week, slowing crop maturing process. Livestock conditions remained good most areas. Small grain planting continued until rain came in High Plains, where emerged fields look good this time. Rains helped planted fields all other areas. Plant emergence also increased. Winter wheat 63% normal, 85% 1996. Corn harvest operations winding down many fields in High Plains. However, midweek rains halted activity. Cotton crop maturing slowed late week in Plains by cooler temperatures. Harvest increasing slightly early week, with additional harvest aids applied. Blacklands, harvest winding down but mid week rains interrupted progress. Along Upper Coast, heavy rains have caused damage to quality, lint loss. Grain Sorghum: Harvest increasing in Plains when midweek rains slowed activity. Cooler temperatures slowed maturing process. Peanuts harvest operations slowed many areas by rainfall at midweek. Dryland yields continued disappointing. Rice harvest slowed most week along Upper Coast by heavy rains. Soybeans heavy rains along Upper Coast may have caused

damage to later varieties. Harvest most early variety fields completed before week's rain. Sugar beets beginning harvest experienced some delays midweek in High Plains. A return to cooler temperatures late week should help sugar content.

Commercial Vegetables: Rio Grande Valley, off and on rain during week slowed planting, land preparations. San Antonio-Winter Garden, fall melon harvest continued part week as weather permitted. Cabbage, spinach making good progress. High Plains, pumpkin harvest continued through midweek. East, fall vegetables made good progress as rain beneficial. Sweet potato harvest slowed part week. Trans-Pecos, chili harvest continued. Pecans: Shucks splitting many more areas, with some harvest underway parts Central, South. Sizes smaller many areas due heavy sets. However, producers are hoping for good quality.

Range and Livestock: Rains across State benefitted small grain pastures as well as native ranges, pastures. An improvement in grain prices dampened livestock prices many areas. Livestock conditions remained good most areas. Supplemental feeding activity continued, may decrease as pastures improve.

UTAH: Days suitable for fieldwork 5. Topsoil 12% short, 87% adequate, 1% surplus. Subsoil 5% very short, 24% short, 71% adequate. Winter wheat 91% planted, 95% 1996, 89% avg.; emerged 57%, 76% 1996, 60% avg. Corn dent stage 75%, 95% 1996; mature stage 56%, 80% 1996, 77% avg.; harvested for silage 83%, 92% 1996, 85% avg.; harvested for grain 16%, 26% 1996, 26% avg. Alfalfa hay 3rd cutting 95%, 95% 1996, 94% avg.; 4th cutting 48%, 66% 1996, 73% avg.; seed harvested 69%, 56% 1996, 78% avg. Potatoes 48% harvested, 88% 1996, 72% avg. Onions 73%, 89% 1996, 84% avg. Dry beans 93% harvested, 99% 1996. Apples picked 59%, 51% 1996, 65% avg. Cattle moved from summer range 60%, 77% 1996, 75% avg. Sheep moved from summer range 76%, 75% 1996, 76% avg. Major farm, ranch activities were: Harvesting hay, harvesting vegetables, picking fruit, planting winter grains, moving cattle, sheep from summer ranges.

VIRGINIA: Days suitable for fieldwork 6.8. Topsoil 37% very short, 53% short, 10% adequate. Subsoil 35% very short, 45% short, 20% adequate. Corn 90% mature, 96% 1996, 99% avg.; 49% harvested, 52% 1996, 65% avg.; 93% corn silage harvested, 90% 1996, 92% avg. Soybeans 53% dropping leaves; 7% harvested, 5% 1996, 9% avg.; 19% very poor, 31% poor, 36% fair, 13% good, 1% excellent. Cotton 6% harvested, 11% 1996, 19% avg.; 3% very poor, 7% poor, 50% fair, 40% good. Fall apples 60% harvested, 73% 1996, 73% avg. Winter apples 20% harvested, 34% 1996, 35% avg. Flue tobacco 85% harvested, 94% 1996, 96% avg. Burley tobacco 98% harvested, 99% 1996, 98% avg. Dark fire cured tobacco 99% harvested, 100% 1996, 100% avg. Peanuts 74% dug, 72% 1996, 66% avg.; 50% combined, 46% 1996, 46% avg.; 7% very poor, 22% poor, 46% fair, 24% good, 1% excellent. Barley 32% seeded, 33% 1996, 36% avg. Winter wheat 9% seeded, 9% 1996, 14% avg. Pasture feed 15% very poor, 40% poor, 40% fair, 5% good. Livestock 2% very poor, 10% poor, 36% fair, 50% good, 2% excellent. Moisture supply levels are rapidly depleting throughout the State. Some livestock producers are concerned with water shortages as springs, ponds, streams, wells are going dry. Since hay, pastures, water supplies are short, some producers have been selling livestock earlier than planned at lighter marketing weights. As soybean harvest continues, many producers are reporting reduced yields due to small bean development. Cotton harvest is underway. However, it is lagging behind last year, five-year average. Some producers have delayed fall field preparation, small grain seeding due to hard, dry conditions. Tobacco harvesting is nearing completion as hot, dry conditions are ideal for curing, harvesting. Producers continue harvesting snap beans, cucumbers, tomatoes, peppers, sweet potatoes, pumpkins.

WASHINGTON: Days suitable for fieldwork 4.5. Topsoil 10% short, 55% adequate, 35% surplus. Subsoil 1% short, 94% adequate, 5% surplus. Winter wheat 94% planted, 93% 1996, 88% avg.; 80% emerged, 71% 1996, 66% avg. Winter wheat seeding neared completion in Whitman County, with only the eastern part of the county remaining. Emergence of winter wheat was well ahead of last year and the five-year average. Corn 100% good. Corn for grain 6% harvested, 7% 1996, 10% avg. Corn silage 85% harvested, 82% 1996, 80% avg. Potatoes 6% fair, 94% good; 70% harvested, 77% 1996, 69% avg. Dry beans 100% good; 71% harvested, 93% 1996, 84% avg.

Hay, other roughage supplies 1% short, 76% adequate, 23% surplus. Haying operations wound down. Kittitas County reported a disappointing fall hay season due to wet, cold weather conditions. Western areas haying, silage operations were at a standstill due to heavy rains. Range, pasture feed 15% very short, 2% poor, 42% fair, 40% good, 1% excellent. Pasture conditions deteriorated due to muddy conditions west of the Cascade range. Eastern areas pastures showed little growth, but standing forage was abundant. Pend Oreille County reported cattle were being moved out of the mountains. Pacific County reported cranberry producers were preparing for an early harvest. Thurston County U-Pick pumpkin businesses reported brisk sales, Asian pear harvest was underway. Rain stopped most field activities on the west side of the State. In central areas, apple harvest was winding down. Benton County reported grape harvest delays due to rain. A large Concord grape crop was expected. Yakima County reported some orchard damage from rain and high wind. Onion, sweet corn harvest was nearing completion in Grant County.

WEST VIRGINIA: Days suitable for fieldwork 6.3. Topsoil moisture 8% very short, 43% short, 49% adequate. Corn 5% very poor, 19% poor, 28% fair, 47% good, 1% excellent; 74% mature, 84% 1996, 96% avg.; 38% harvested grain, 14% 1996, 49% avg. Hay 3rd cutting 77%, 62% 1996, 87% avg. Soybeans 13% poor, 56% fair, 31% good; 87% dropping leaves, 97% 1996, 94% avg.; 18% harvested grain. Tobacco 98% harvested, 98% 1996, 99% avg. Wheat planted 38%, 44% 1996, 31% avg. Apple 50% fair, 50% good; harvesting is ahead of schedule, swinding down. Cattle 2% poor, 20% fair, 72% good, 6% excellent.

Sheep 14% fair, 77% good, 9% excellent. Activities: Harvesting apples, corn, hay, winter wheat planting, marketing cattle, feeder calves.

WISCONSIN: Days suitable for fieldwork 6.1. Soil moisture 19% short, 75% adequate, 6% surplus. Only parts of the northwest, north-central districts reported temperatures below frost levels last week. Most of the corn, statewide, was reported safe from frost. At a field day in Eau Claire County, moisture levels were reported at 22-35%. Some early yields were 140 bu./acre in Pierce County, an estimated 150-180 bu./acre in Lafayette County. Soybean harvest was 63% complete, at a record speed in over 20 years, 30% 1996, 22% avg. Corn silo filling was going fast, with 83% of the acreage chopped, 69% 1996, 66% avg. Farmers had excellent weather for chopping corn; however, dry conditions pushed the chopping season to an end in areas where corn became too dry. Fall tillage was at 16%, 15% 1996, 17% avg. Pasture feed 1% very poor, 4% poor, 35% fair, 52% good, 8% excellent.

WYOMING: Days suitable for fieldwork 5.2. Topsoil 2% very short, 18% short, 78% adequate, 2% surplus. Subsoil 3% very short, 21% short, 76% adequate. 1998 winter wheat 97% emerged, 97% 1997, 89% avg.; 17% fair, 67% good, 16% excellent. Corn 100% mature, 98% 1996, 83% avg.; 12% harvested for grain, 40% 1996, 29% avg.; 2% fair, 64% good, 34% excellent. Sugar beets 38% harvested, 42% 1996, 36% avg.; 14% fair, 70% good, 16% excellent. Alfalfa 70% 3rd cutting complete, 95% 1996, 87% avg. Range, pasture feed 2% very poor, 3% poor, 14% fair, 66% good, 15% excellent. Hay, roughage supplies mostly adequate.

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International Weather and Crop Summary

October 5 - 11, 1997

HIGHLIGHTS

FSU-WESTERN: Mild weather and diminishing rainfall in Ukraine and southern Russia favored summer crop harvesting and winter wheat development.

FSU-NEW LANDS: Showers slowed late spring grain harvesting.

EUROPE: Wet weather in England, France, Germany, and northwestern Italy hampered summer crop harvesting but boosted topsoil moisture for early winter wheat planting.

AUSTRALIA: Widespread, heavy rainfall improved planting prospects for sorghum and cotton.

SOUTH ASIA: Seasonable dryness dominated the region, although a few scattered showers lingered over central India.

SOUTH AFRICA: Warm weather dominated the corn belt, with beneficial showers limited to eastern growing areas.

SOUTHEAST ASIA: Drought continued across Java and southern Sumatra, but widespread showers boosted moisture supplies elsewhere across the region.

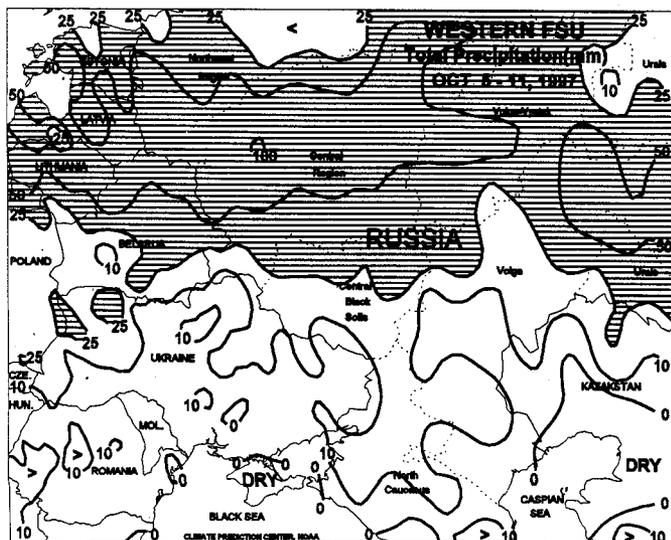
EASTERN ASIA: Warm, dry weather favored summer crop harvesting and winter wheat planting across the North China Plain. Sub-freezing temperatures ended the growing season throughout most of Manchuria.

SOUTH AMERICA: In Argentina, showers boosted soil moisture for reproductive winter wheat and early planted summer crops. Excessive showers caused flooding and delayed fieldwork in extreme southern Brazil.

MEXICO: Hurricane Pauline slammed into extreme southern Mexico, causing flooding and possible damage to coffee.

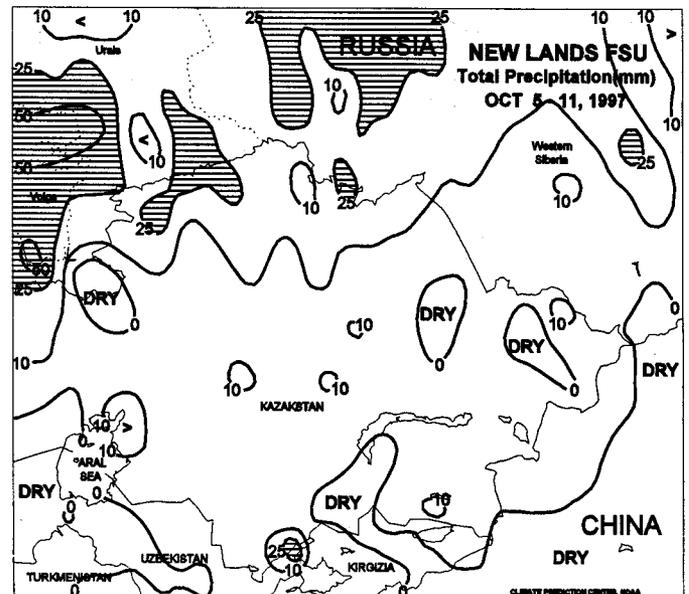
FSU-WESTERN

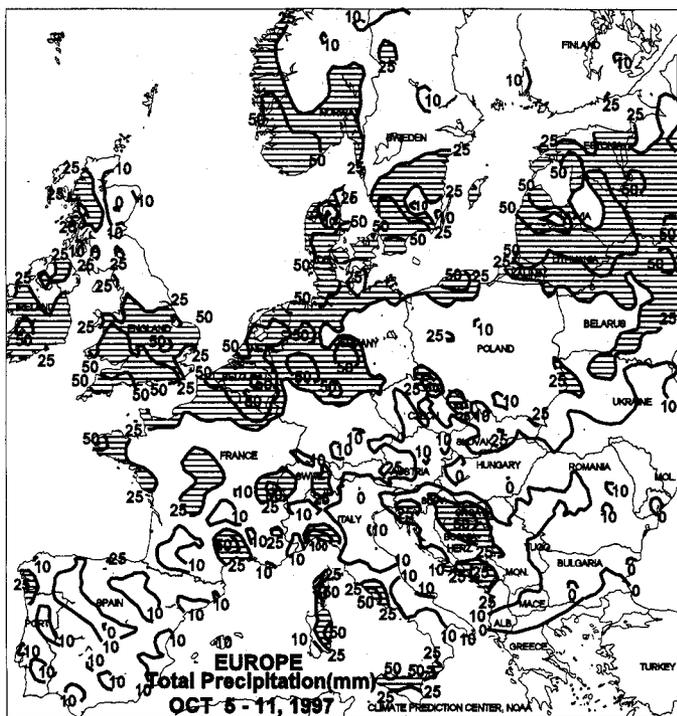
Soaking rain (25-70 mm, with local amounts in excess of 70 mm) spread from the Baltics and northern Belarus eastward through northern Russia, benefiting winter grain establishment. Average weekly temperatures ranged from 5 to 6 degrees C in the northern portion of the Central Region and the Volga Vyatsk region in Russia, prompting cold hardening in winter grains prior to dormancy. Typically, winter grains in these areas begin entering dormancy in late October. Average weekly temperatures in the Baltics and Belarus ranged from 7 to 12 degrees C (1-3 degrees C above normal). Farther south, a warming trend along with diminishing rainfall (5-15 mm) in Ukraine and southern Russia improved conditions for corn, sunflower, and sugar beet harvesting and late winter wheat planting. Weekly temperatures in these areas ranged from 2 to 5 degrees C above normal, promoting winter wheat emergence and favoring early establishment.



NEW LANDS

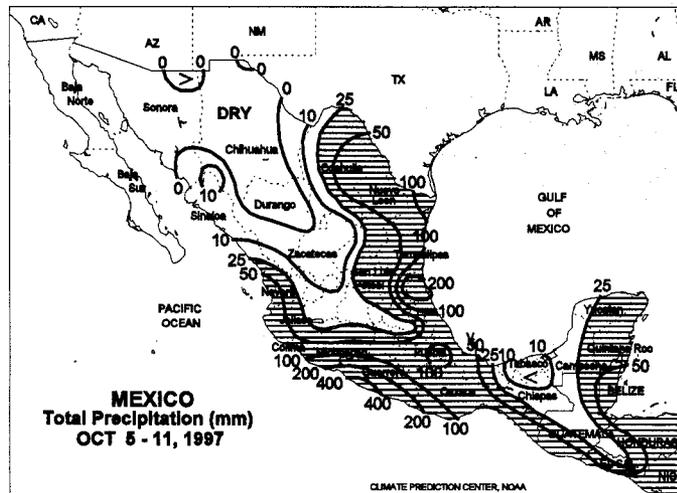
In Russia, light to moderate showers (10-33 mm) in the Urals and western areas in Western Siberia slowed late spring grain harvesting. Farther east, warm dry weather in eastern areas in Siberia allowed harvesting to progress toward completion. Weekly temperatures averaged 4 to 9 degrees C above normal in Western Siberia. Reports as of October 6, 1997 for all of Russia indicated that small grains and pulses, excluding corn, were 90 percent harvested. Farther south, light to moderate showers (10-25 mm) in northern Kazakhstan hampered final spring grain harvest efforts. Weekly temperatures averaged 3 to 7 degrees C above normal in Kazakhstan. In cotton-growing areas of Central Asia, light scattered showers (mostly less than 5 mm) caused only brief delays in cotton harvesting.





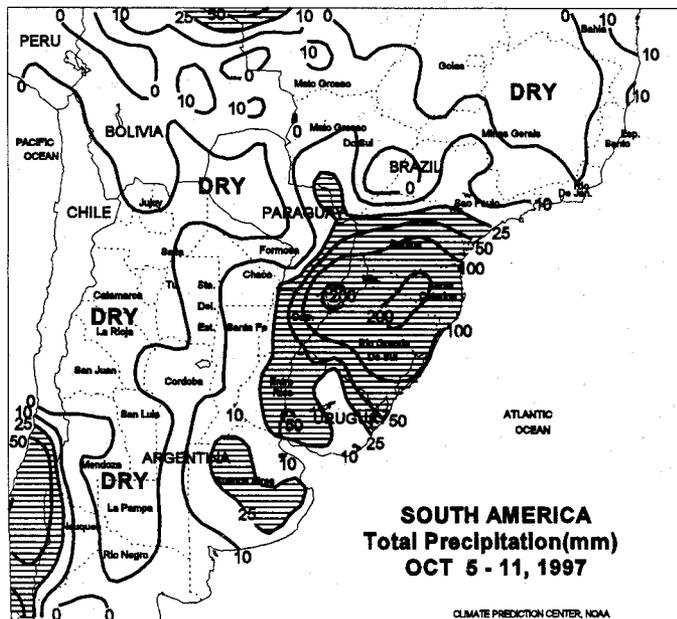
EUROPE

Wet weather spread from England and northern France eastward through the Benelux countries and Germany southward into northern Italy. Precipitation amounts ranged from 25 to 50 mm in England, the Benelux countries, and northwestern Germany and 10 to 40 mm in France, northwestern Italy, and the remainder of Germany. Although the rain interrupted corn, sugar beet, and potato harvesting, it was welcomed in most areas, boosting soil moisture for planting and establishment of winter grains. Winter wheat planting was just beginning in many areas and typically extends through November in England and France. Farther south, showers (10-25 mm) fell over Portugal and Spain, with greatest amounts of moisture (10-25 mm) falling in southern areas. In eastern Europe, light showers (2-15 mm) fell in Poland, the Czech Republic, and Slovakia, slowing summer crop harvesting but benefiting winter grain establishment. Several days of dry weather in southeastern Europe benefited corn and sunflower harvesting and winter wheat planting. Dry weather in Greece favored cotton harvesting. Weekly temperatures averaged 3 to 6 degrees C over most of Europe, accelerating winter grain emergence and early growth.



MEXICO

Hurricane Pauline slammed into extreme southern Mexico (Oaxaca) and traveled along the coast (Guerrero and Michoacan) on October 8 to 10. The storm dropped torrential rain (100-400 mm) along its path, causing flooding and possible damage to coffee. Tropical moisture from Pauline was swept into northeastern Mexico, producing beneficial heavy showers (50-300 mm). This moisture brought drought relief to the region and boosted reservoir levels. Light to moderate rain (10-30 mm) favored late filling corn but slowed early harvesting.

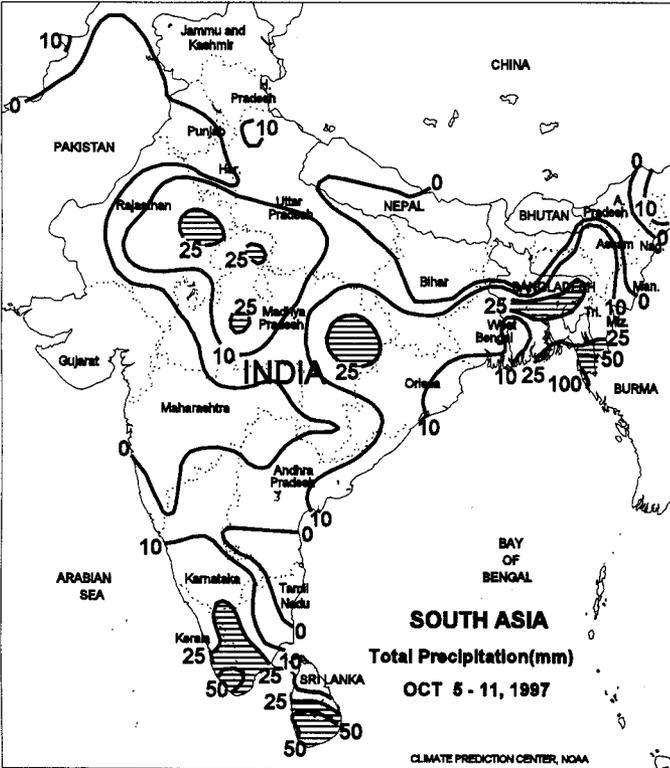


SOUTH AMERICA

In central Argentina, light to moderate rain (10-35 mm) favored reproductive winter wheat and boosted topsoil moisture for early corn and sunflower planting. Temperatures averaged 1 to 2 degrees C above normal, aiding summer crop germination. According to reports as of September 26, corn and sunflower planting was 17 and 6 percent complete, respectively. In southern Brazil, excessive showers (100-200 mm) covered southern Parana, Santa Catarina, and most of Rio Grande do Sul, causing flooding and delaying winter wheat harvesting and corn planting. Light to moderate rain (5-25 mm) covered northern Parana, southern Mato Grosso do Sul, and Sao Paulo, increasing topsoil moisture for summer crop planting. Temperatures averaged 1 to 2 degrees C below normal across extreme southern Brazil and 1 to 4 degrees C above normal elsewhere.

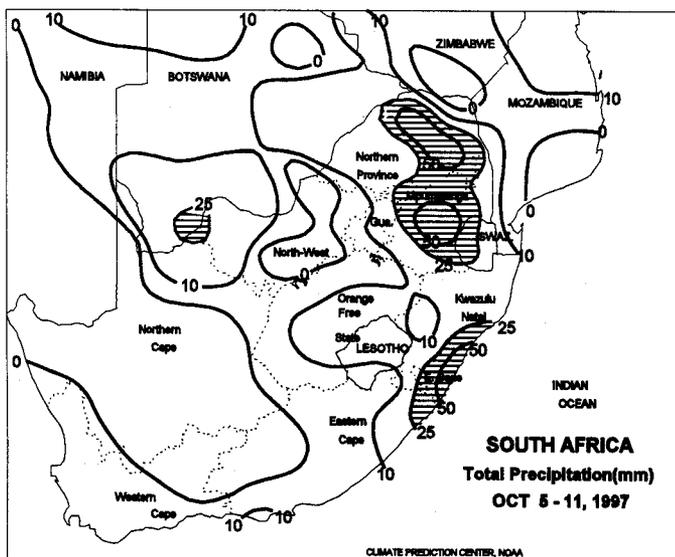
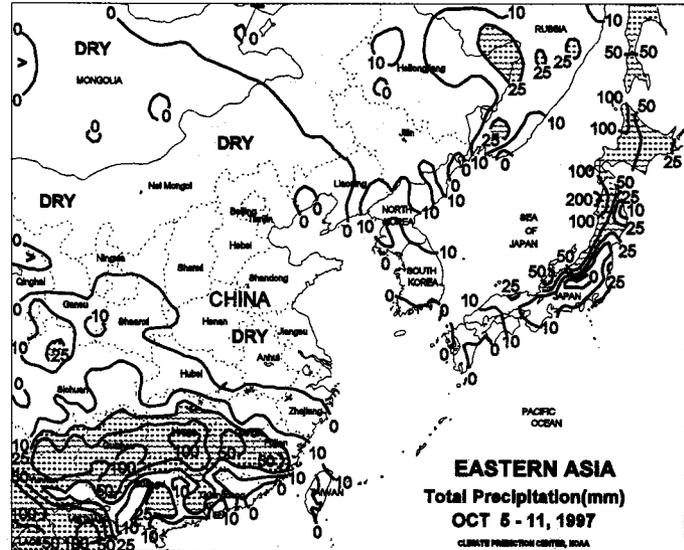
SOUTH ASIA

Dry weather dominated the region as the southwest monsoon continued to recede from the area. Scattered showers (10-36 mm) over a broad section of central India boosted moisture reserves for immature coarse grains, oilseeds, and cotton but were unfavorable for maturing cotton in northern growing areas. Shower activity dwindled in the primary eastern rice areas, with just a few locations reporting 25 mm. Rice harvesting was underway as preparations for dry season plantings were beginning. Across the north, planting of the heavily irrigated winter grain and oilseed crops was increasing.



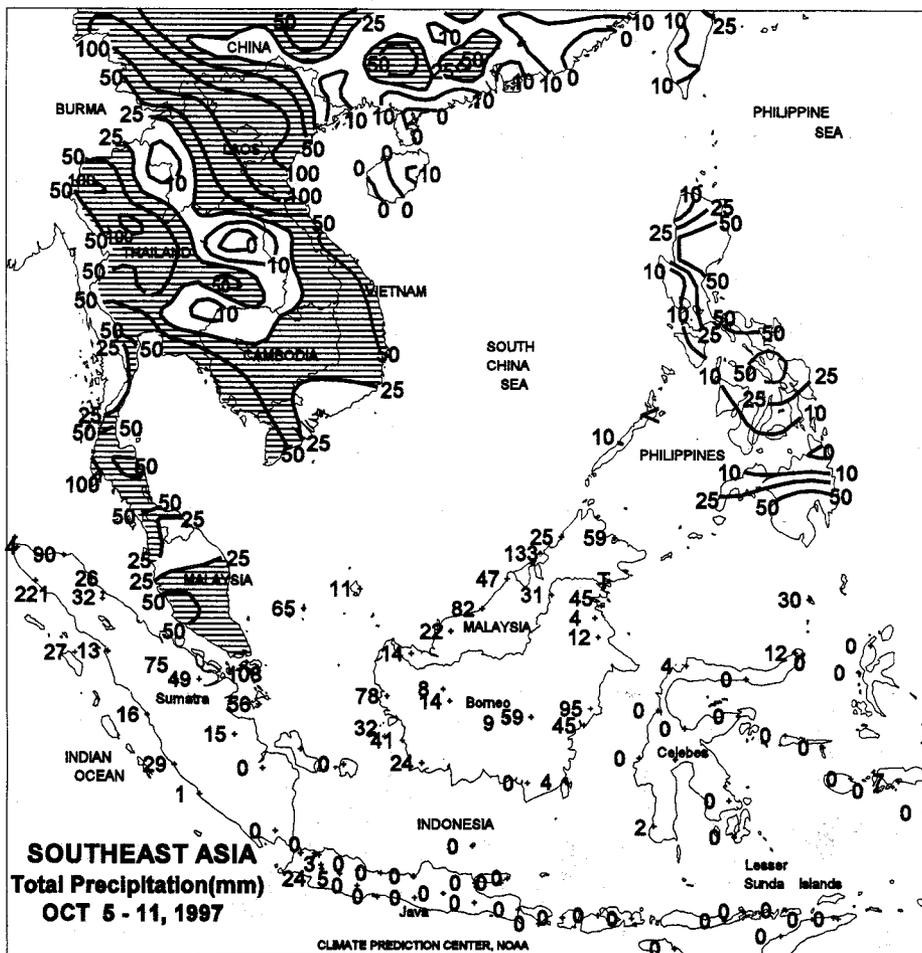
EASTERN ASIA

Warm, dry weather prevailed across the North China Plain, favoring summer crop harvesting and winter wheat planting. Temperatures averaged 1 to 3 degrees C above normal, with highs ranging from 25 to 30 degrees C. Early in the week, widespread sub-freezing temperatures ended the growing season for most of Manchuria (except for southern Liaoning). Wet, cool weather (25-75 mm, with temperatures 1-2 degrees C below normal) covered southern China, boosting moisture supplies but slowing late double-crop rice growth. Mostly dry weather (less than 10 mm) favored maturing rice across South Korea and southern Japan. Moderate showers (25-60 mm) slowed maturing rice in northern Japan.



SOUTH AFRICA

Unseasonable warmth dominated the corn belt. Scattered showers (10-25 mm or more) fell throughout the eastern growing areas, moistening topsoils for planting. Dryness continued in the west, which needed a soaking rain for proper germination and establishment. Periodic winter showers in the corn belt aided immature winter wheat and raised subsoil moisture levels, but recent dryness and warmth dried topsoils prior to planting. Elsewhere, cool weather (temperatures averaging 2-3 degrees C below normal, with lows reaching 2 C) in winter wheat areas of Western Cape slowed growth of immature winter wheat. The existence of an El Niño, which tends to create a warmer- and drier-than-normal growing season in southern Africa, has already heightened crop concerns and will make this one of the more scrutinized growing seasons. The latest information on El Niño can be found at <http://www.usda.gov/occe/waob/jawf/poplincs.htm>.

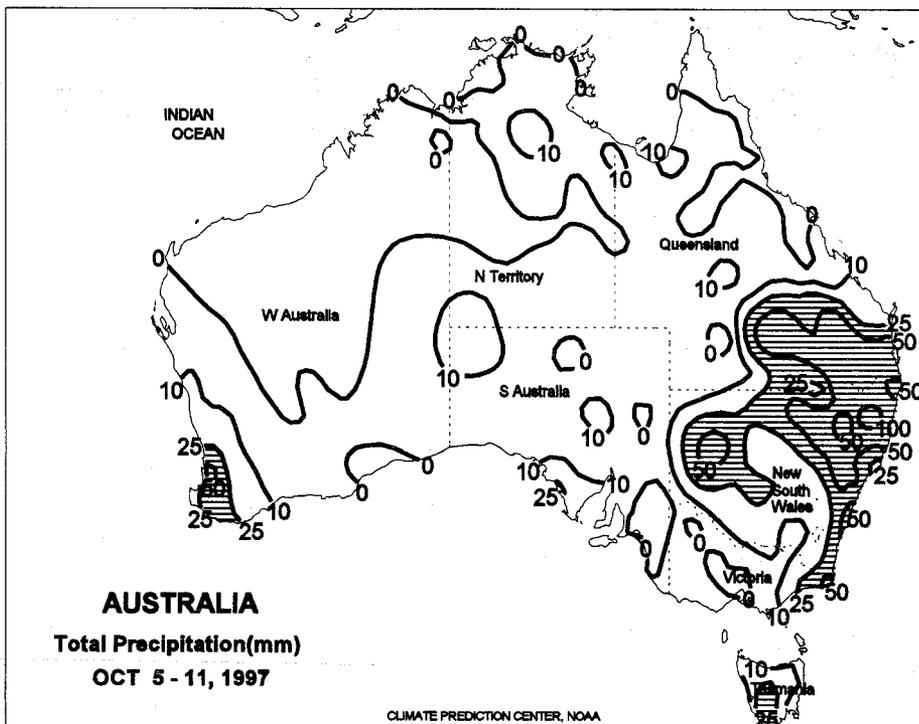


SOUTHEAST ASIA

Drought remained entrenched across Java and southern Sumatra, reducing moisture for the upcoming main-season rice crop. Showers (25-100 mm) boosted moisture supplies across Malaysia and the remainder of Indonesia. Widespread showers (25-125 mm) covered Indochina, increasing moisture supplies for rice. The heaviest rain was confined to northwestern Thailand and northern Vietnam. Below-normal rainfall (10-50 mm) continued across the Philippines, where moisture supplies are limited.

AUSTRALIA

Soaking rains (25-50 mm or more) improved planting prospects in the primary sorghum and cotton areas of Queensland and New South Wales. The moisture was particularly timely in ending fieldwork delays, as mid-October is well into the optimal planting period. The rain also benefited immature winter grains in New South Wales but hampered harvesting in mature stands. Rainfall was lower across the southeast, with much of Victoria and southeastern South Australia receiving less than 5 mm. Winter grains across the southeast are advancing through reproduction and would welcome any additional moisture. In Western Australia, scattered showers (5-30 mm) maintained favorable moisture levels for immature winter crops. Temperatures across Australia remained fairly seasonable, favoring winter grain development and summer crop germination. In New Zealand, showers were mostly light (15 mm or less, only locally exceeding 25 mm) over the main agricultural areas.



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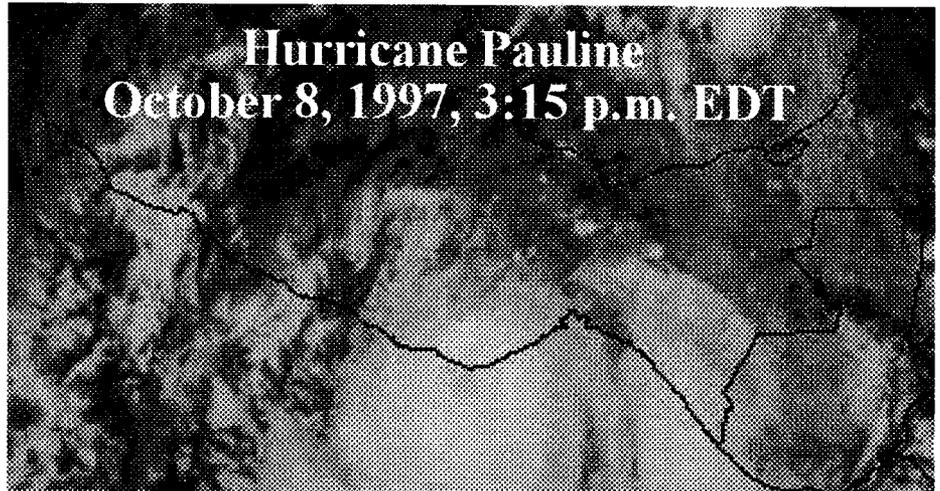
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The eye of Hurricane Pauline approaches the coast of the Mexican State of Oaxaca. When GOES-8 captured this image, Pauline's maximum sustained winds were estimated at 125 mph, down from 130 mph earlier in the day. Pauline charged inland a few hours later, then moved northwestward, nearly parallel to the coast, through October 9. Pauline dissipated over interior western Mexico on October 10. According to the Hurricane Prediction Center, 24-hour rainfall topped 16 inches (406 mm) on October 8-9 in and near Acapulco, Guerrero.



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