

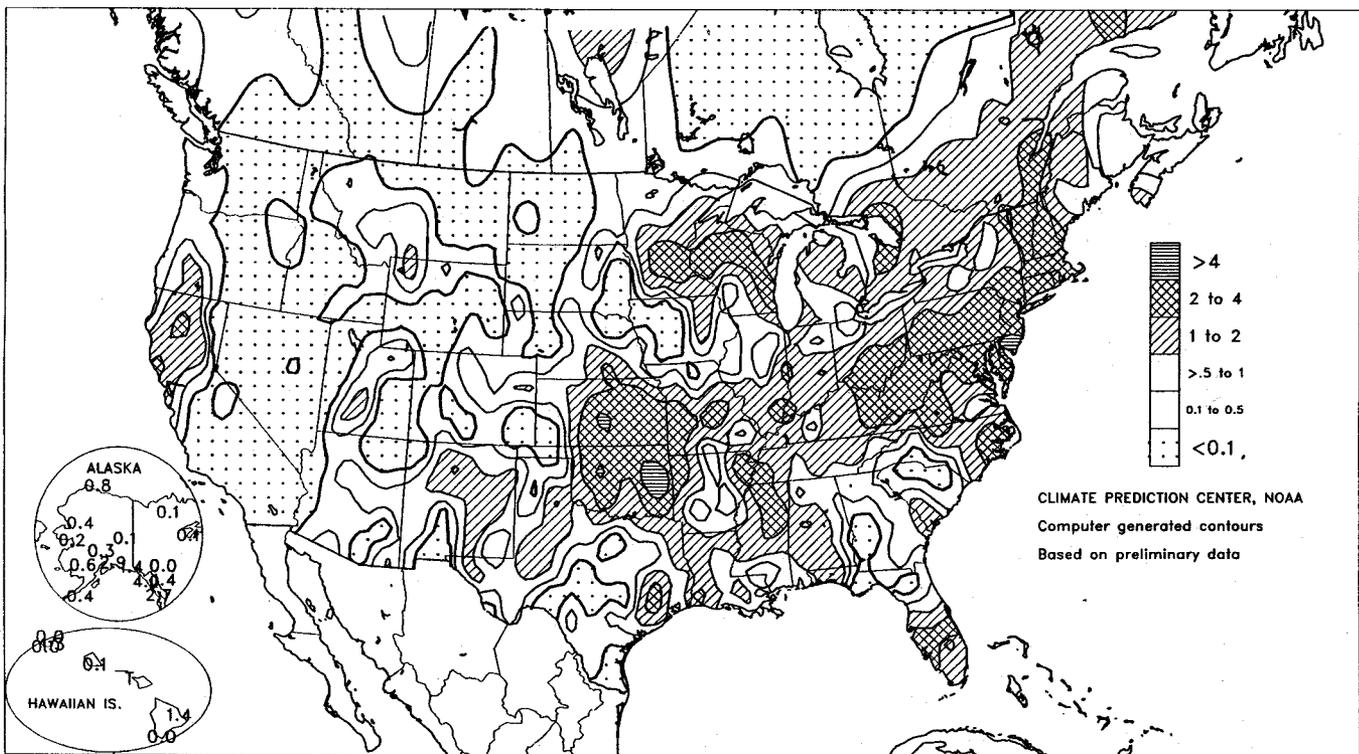
WEEKLY WEATHER AND CROP BULLETIN

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)

AUG 17 - 23, 1997



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

HIGHLIGHTS

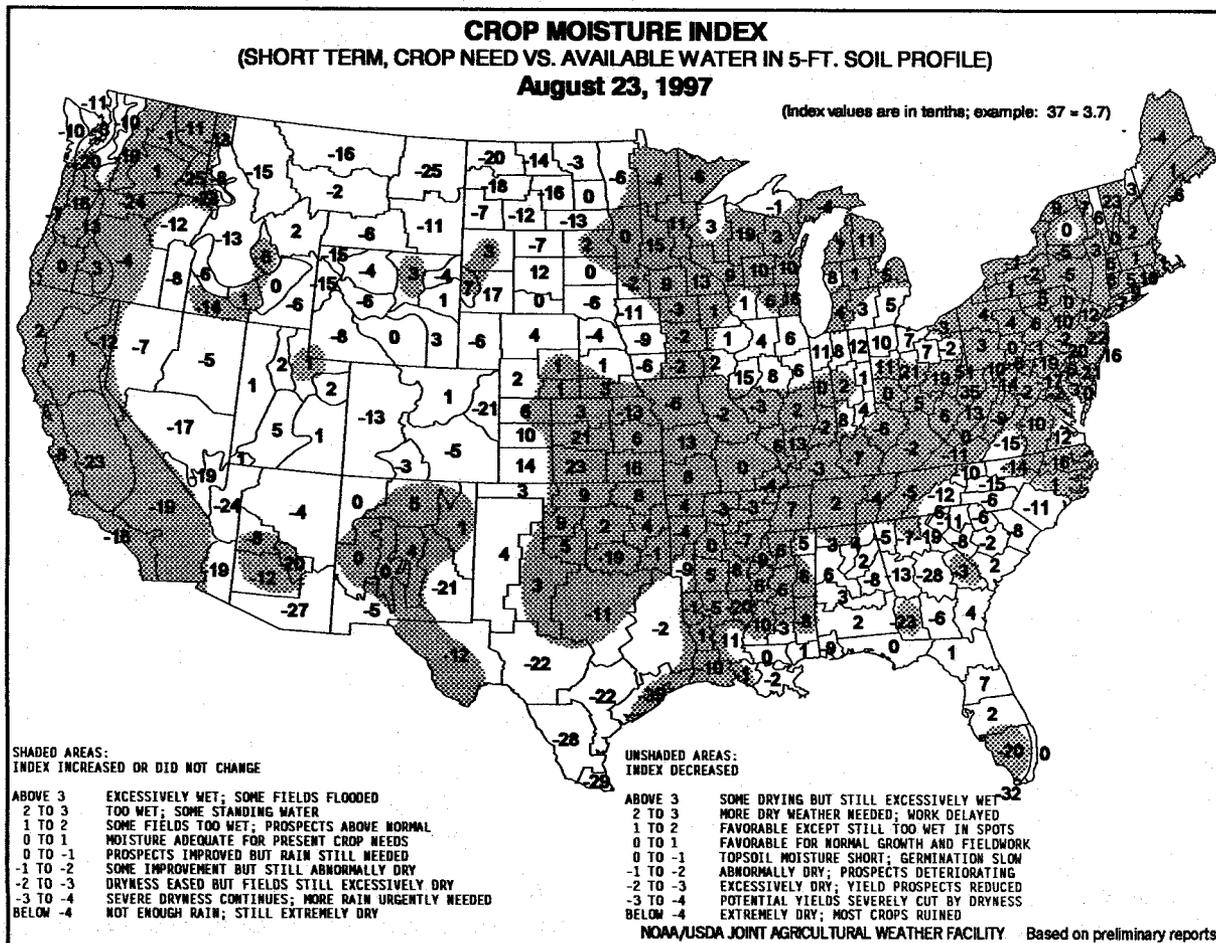
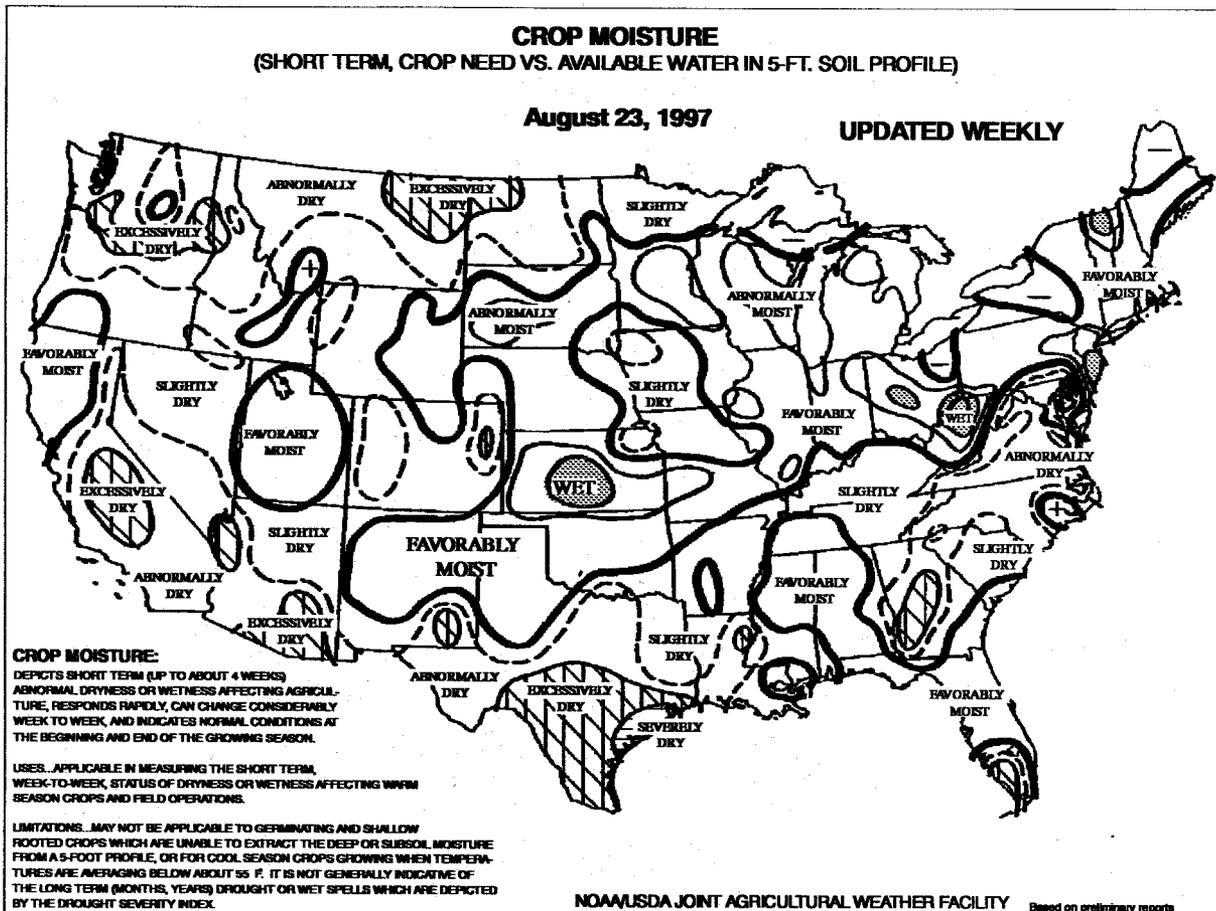
August 17 - 23, 1997

A pair of rain events made a significant dent in the Middle Atlantic drought, while widespread showers continued to ease dryness in the central Corn Belt. Thunderstorms again produced locally heavy rain in the Four Corners States, and dumped as much as 2 to 5 inches on Kansas and Oklahoma. Meanwhile, dry weather favored harvest activities on the northern Plains, but further depleted topsoil moisture in the Southeast. Farther west, the remnants of the eastern Pacific Tropical Storm Ignacio delivered out-of-season rains to northern California and ended a long dry spell in the Pacific Northwest. Very hot, dry conditions continued to grip southern Texas, where weekly temperatures

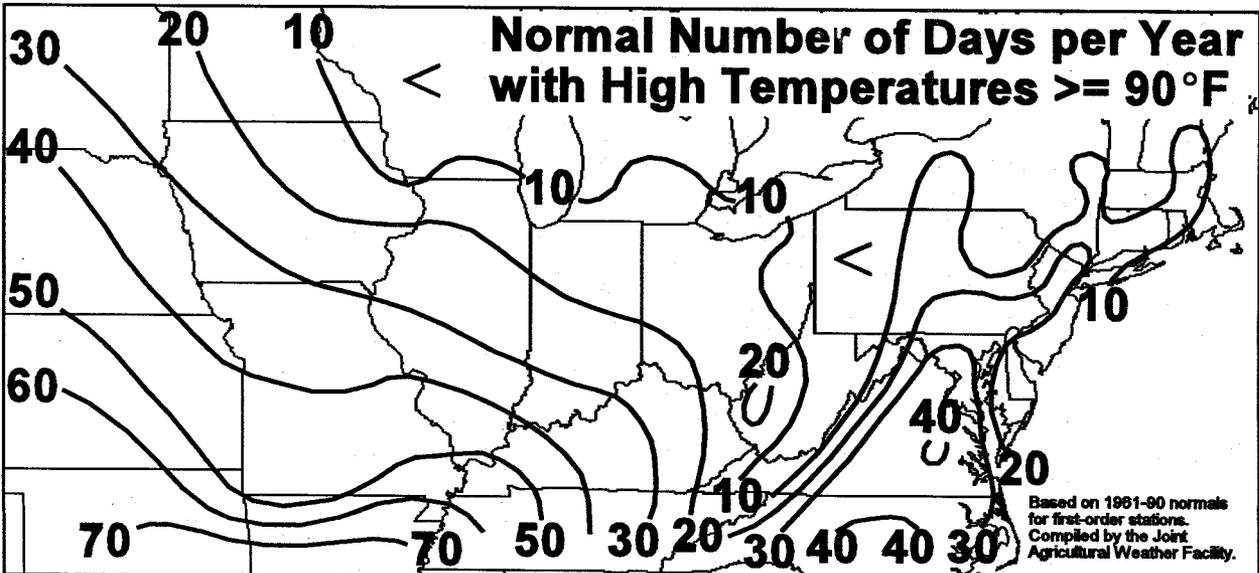
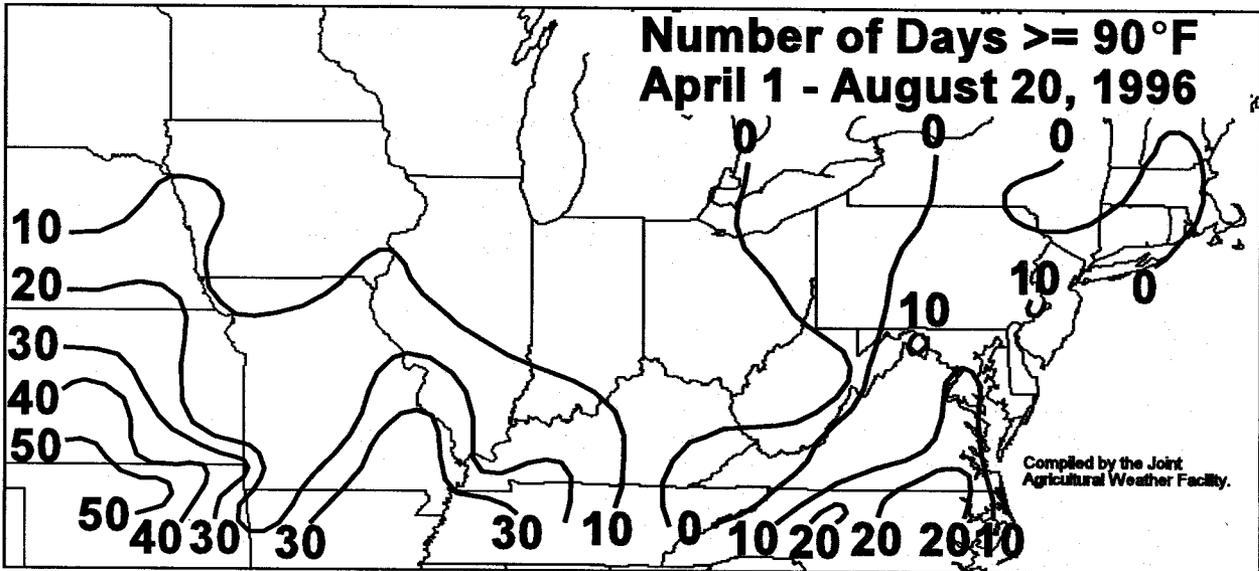
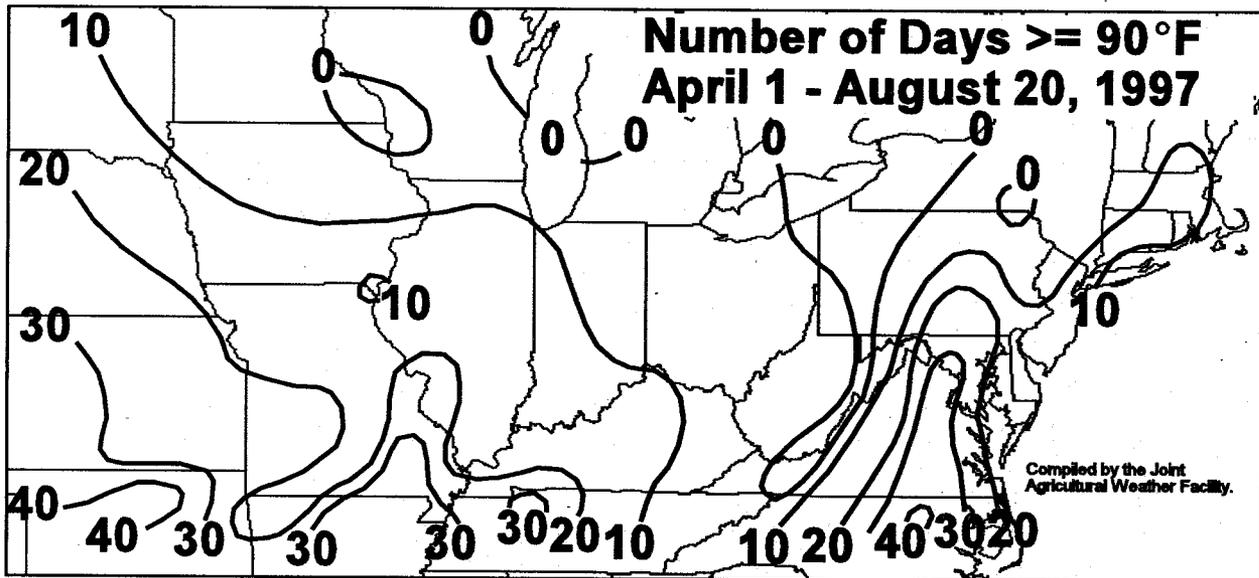
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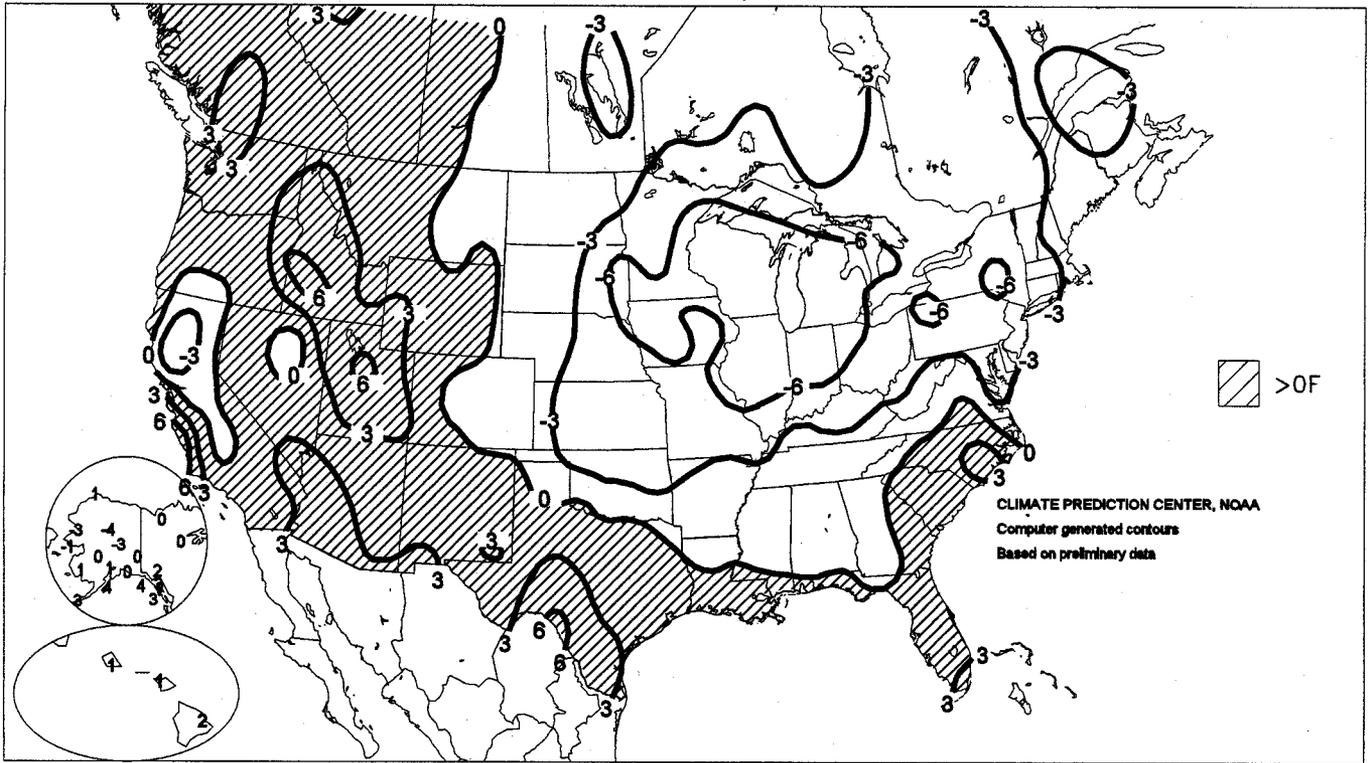
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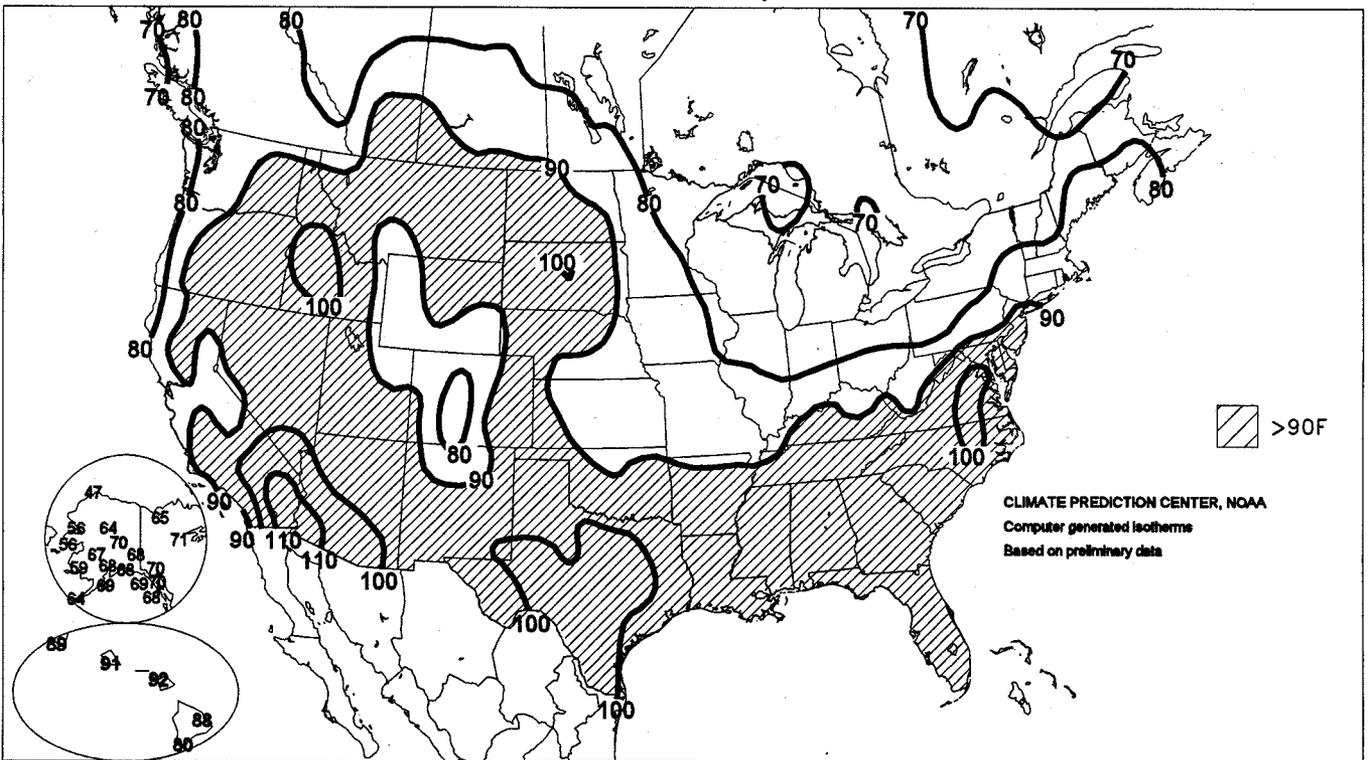
**Central Corn Belt: More Heat than 1996, Less than Normal;
Middle Atlantic Region: Near- to Above-Normal Number of 90-Degree Days**



Departure of Average Temperature from Normal (°F)
AUG 17 - 23, 1997



Extreme Maximum Temperature (°F)
AUG 17 - 23, 1997



(Continued from front cover)

averaged up to 6°F above normal. Above-normal temperatures prevailed in the **West** (up to 7°F above normal in Idaho and Utah), except in **northern California**. The **Midwestern and Great Lakes States** recorded weekly temperatures 3 to 8°F below normal.

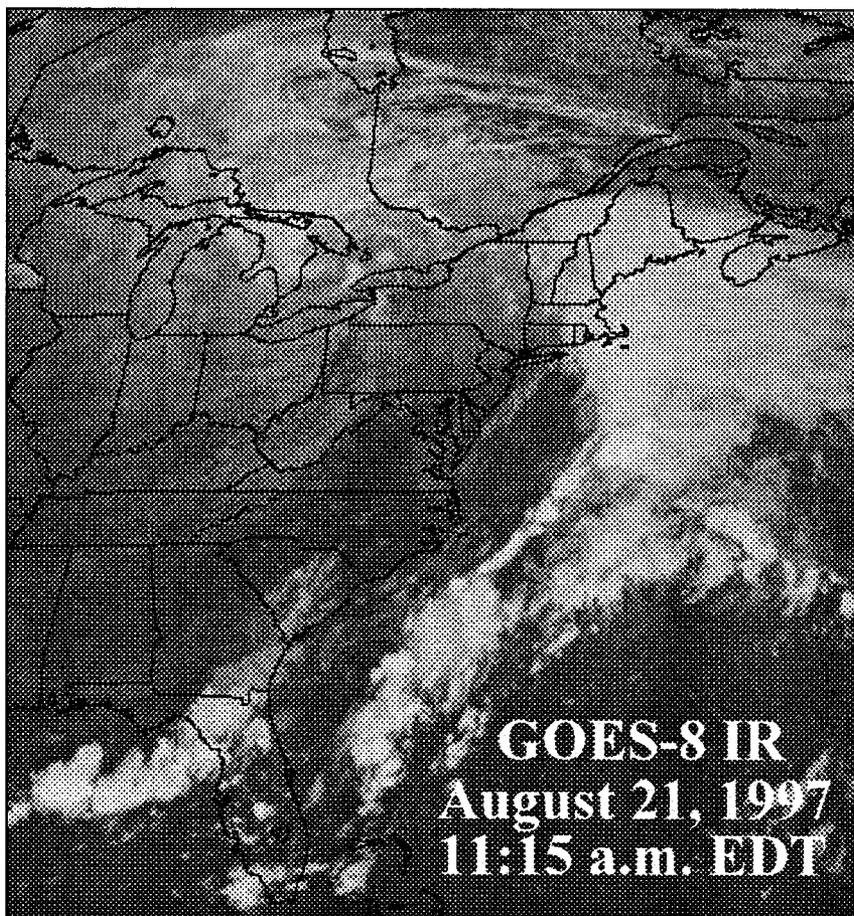
Early in the week, widespread thunderstorms signaled the end of a **Middle Atlantic** heat wave and further moistened the **Corn Belt**. On Sunday, a maximum of 105°F in **Washington, DC** was the city's highest since an all-time-record high of 106°F on July 10, 1936. Later in the day, however, daily-record rainfall totaled 3.32 inches at nearby **Dulles Airport, VA**. Meanwhile in **Illinois**, **Springfield** (1.66 inches) and **Peoria** (1.50 inches) also netted daily-record amounts. Farther north, very cool weather settled into the **Midwestern and Great Lakes States**. Highs on Sunday peaked at only 63°F in **Minneapolis, MN** and 61°F in **Green Bay, WI**.

A day later, heavy rain blossomed in the **Central States** as a storm developed over the **upper Midwest**. On Monday, **Hastings, NE** (1.98 inches) reported a daily-record total. In **Arkansas**, **Little Rock's** 3.98-inch rainfall was their greatest 1-day total since October 29, 1991. A day later, **Minneapolis, MN** (3.19 inches) notched a daily-record total. At midweek, heavy rain reached the **Middle Atlantic States**, where **Baltimore** (2.75 inches) collected a daily-record amount. Extremely cool weather accompanied the rainfall. On Tuesday, **Peoria's** maximum struggled to 66°F. A day later in Michigan, both **Grand Rapids** and **Flint** noted 63°F. On Thursday, a high of 59°F in **Albany, NY** was 21° below normal. The storm intensified along the **East Coast**, producing excessive rainfall in the vicinity of **southern New Jersey**. August 20-21 rainfall reached 13.52 inches in **Atlantic City, NJ** and 8.94 inches in **Dover, DE**. **Atlantic City's** all-time monthly rainfall record of 13.09 inches was broken during a 15-hour span.

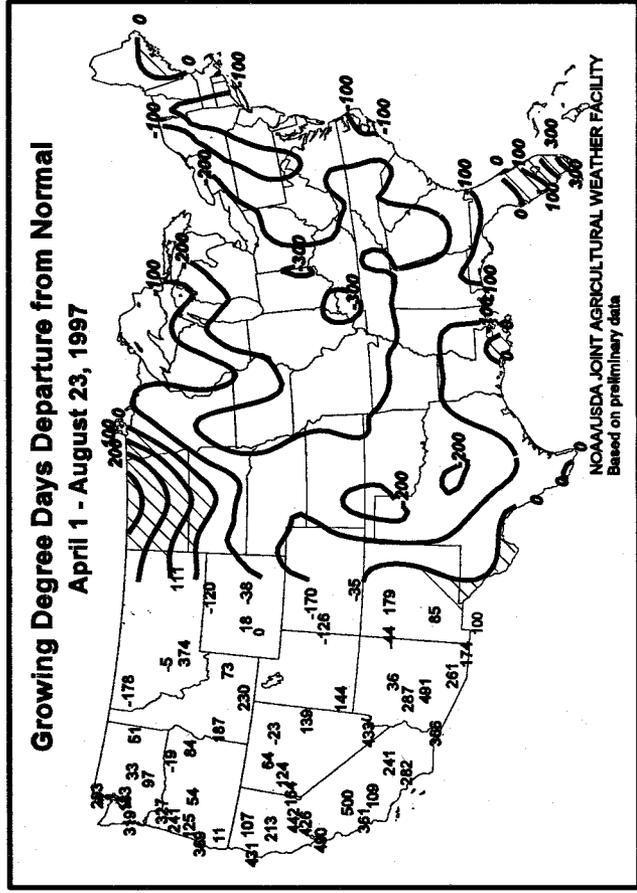
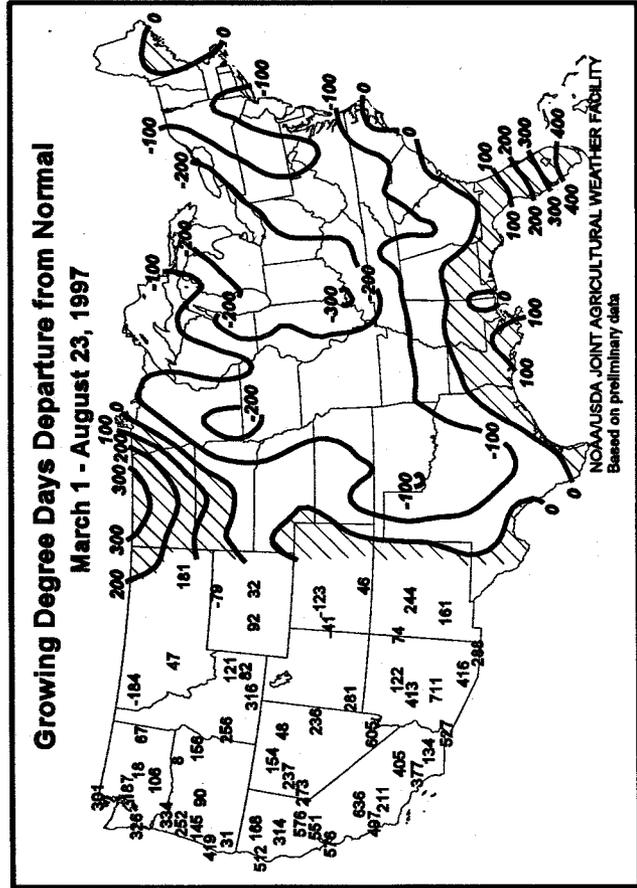
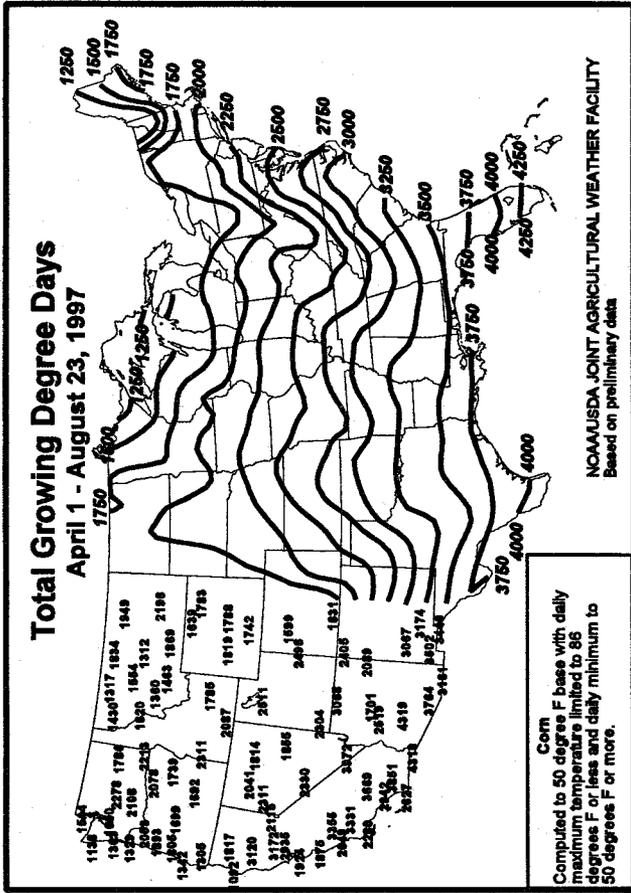
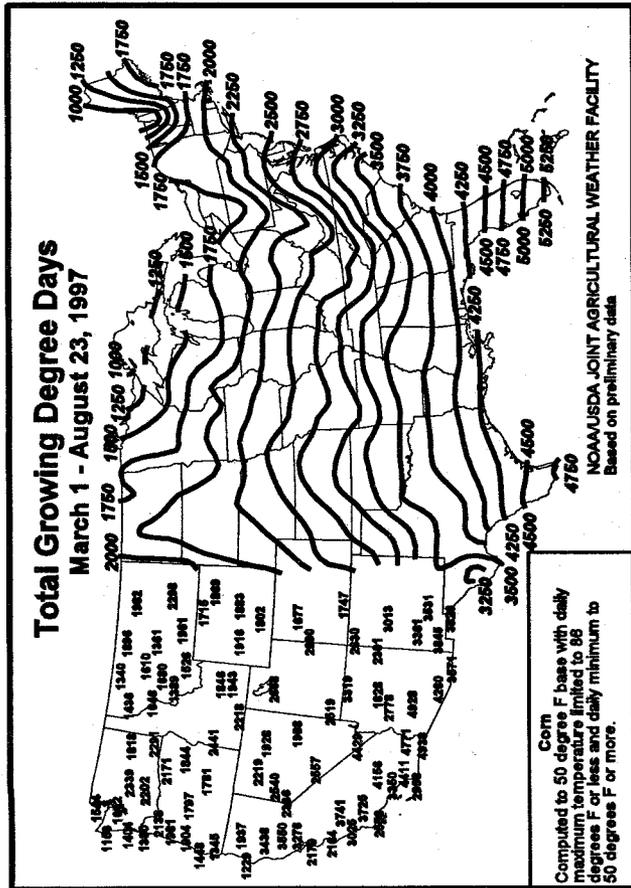
On Thursday, the mercury in **Corpus Christi, TX** hit 100°F for the first time since July 30, 1991. A day later, their maximum of 101°F was their highest since August 27, 1990. During the 65-day period from June 19 to August 22, **Corpus Christi's** rainfall totaled only 0.34 inch. Hot weather also affected **Florida**, where highs of 98°F

set daily records at both **Ft. Myers** (on Monday) and **Lakeland** (on Friday). Cooler weather spread into **northern Florida** at week's end, however, resulting in an August-record low of 57°F on Saturday in **Tallahassee**. Farther north, a low of 58°F on August 23 in **Huntsville, AL** was their first of three consecutive daily-record lows.

Along the **California coast**, hot weather accompanied Ignacio's passage. On Tuesday, **Santa Maria's** high of 96°F eclipsed their previous record for August 19 by 13°. In **Bakersfield, CA**, sustained winds reached an August-record 33 mph. Farther north, 0.19 inch fell in downtown **Sacramento**, their first rain on August 20 during the 121-year period of record. Downtown **San Francisco** received 0.72 inch, just 0.06 inch shy of their all-time August record, set in 1976. In **Oregon**, **Astoria's** third-longest dry spell on record ended on August 20 at 35 days. On the same day, a 0.06-inch rainfall in **Seattle, WA** ended their sixth-longest dry spell (and longest since September-October 1991) at 39 days.



Autumn-Like Storm: Packing a central pressure of about 29.62 inches (1003 millibars), a strong low-pressure system drifts eastward across the Great Lakes region. Much of the heavy rainfall has already moved offshore, but the storm produced 13.52 inches in 19 hours at **Atlantic City, NJ**, more than ever recorded there during an entire month.



National Weather Data for Selected Cities

Weather Data for the Week Ending August 23, 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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 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	68	93	58	77	-1	0.00	-0.77	0.00	13.69	117	37.53	100	94	55	3	0	0	0
AL HUNTSVILLE	85	67	91	57	76	-2	0.96	0.22	0.63	10.87	94	37.45	98	97	59	1	0	3	1
AL MOBILE	91	72	95	68	82	0	0.34	-1.23	0.31	28.05	184	59.28	136	91	50	5	0	3	0
AL MONTGOMERY	90	69	98	60	79	-1	0.15	-0.65	0.12	7.05	59	30.87	94	95	51	5	0	2	0
AK ANCHORAGE	64	49	68	46	56	1	2.88	2.31	1.85	6.93	160	8.93	108	93	65	0	0	3	2
AK BARROW	43	34	47	30	38	1	0.78	0.56	0.23	2.97	162	3.21	119	93	79	0	2	5	0
AK FAIRBANKS	63	44	70	34	54	-2	0.08	-0.37	0.03	2.70	57	3.44	49	91	52	0	0	2	0
AK JUNEAU	64	52	70	48	58	3	-	-	-	-	-	-	-	96	69	0	0	-	-
AK KODIAK	66	52	69	47	59	4	0.13	-1.09	0.09	5.34	44	38.08	97	81	55	0	0	2	0
AK NOME	53	45	56	38	49	-1	0.25	-0.38	0.12	5.04	96	9.09	106	94	75	0	0	5	0
AZ FLAGSTAFF	79	49	83	46	64	0	0.78	0.15	0.23	2.27	43	8.46	60	93	33	0	0	5	0
AZ PHOENIX	105	84	109	76	95	4	0.03	-0.19	0.03	1.00	60	2.69	63	93	21	7	0	1	0
AZ PRESCOTT	88	61	91	54	74	4	0.50	-0.26	0.42	2.59	41	6.93	55	71	28	4	0	4	0
AZ TUCSON	98	76	104	72	87	3	0.19	-0.29	0.17	2.18	51	4.70	67	75	29	6	0	2	0
AZ YUMA	107	86	112	82	97	4	0.00	-0.15	0.00	0.02	3	0.57	33	53	25	7	0	0	0
AR FORT SMITH	86	69	95	64	78	-3	1.53	0.87	0.67	9.87	115	26.33	100	97	60	1	0	4	2
AR LITTLE ROCK	88	71	96	63	79	-1	4.10	3.40	3.98	15.96	182	43.06	140	91	54	3	0	3	1
CA BAKERSFIELD	93	67	103	62	80	-2	0.00	-0.03	0.00	0.00	0	2.99	76	73	35	5	0	0	0
CA EUREKA	69	55	73	52	62	4	0.37	0.26	0.27	1.64	171	19.71	92	88	57	0	0	3	0
CA FRESNO	93	66	97	62	80	0	0.00	0.00	0.00	0.00	0	3.51	51	68	29	7	0	0	0
CA LOS ANGELES	80	67	90	65	74	3	0.00	-0.04	0.00	0.00	0	4.21	53	88	59	1	0	0	0
CA REDDING	87	60	93	56	74	-5	0.63	0.52	0.56	2.19	215	17.20	89	83	32	3	0	2	1
CA SACRAMENTO	86	63	91	61	75	-1	0.25	-	0.20	0.86	-	9.51	-	83	36	3	0	2	1
CA SAN DIEGO	78	66	82	50	72	0	0.00	-0.03	0.00	0.09	60	3.63	58	87	66	0	0	0	0
CA SAN FRANCISCO	74	60	78	59	67	3	0.59	0.69	0.31	0.87	726	9.42	77	92	60	0	0	2	0
CA ALAMOSA	79	45	82	40	62	0	0.13	-0.12	0.11	2.52	94	4.76	99	91	29	0	0	3	0
CA CO SPRINGS	79	54	86	52	66	-1	1.10	0.43	0.89	13.69	183	18.96	152	87	40	0	0	5	1
CA DENVER	83	56	89	54	70	-1	0.15	-0.18	0.13	10.41	214	14.15	126	82	35	0	0	2	0
CA GRAND JUNCTION	91	64	94	61	78	2	0.00	-0.19	0.00	2.82	169	7.70	145	56	22	6	0	0	0
CA PUEBLO	88	57	96	54	72	-1	0.00	-0.43	0.00	6.82	140	10.49	125	86	30	3	0	0	0
CT BRIDGEPORT	76	62	86	60	69	-4	1.48	0.78	0.88	8.85	91	25.27	92	87	58	0	0	5	2
CT HARTFORD	77	57	89	52	67	-4	2.02	1.18	1.04	12.22	127	26.15	94	94	57	0	0	6	1
DC WASHINGTON	83	66	105	60	75	-3	3.41	2.53	2.06	7.61	75	22.57	90	84	48	1	0	2	2
DE WILMINGTON	79	63	93	56	71	-4	2.48	1.74	2.32	7.60	74	17.06	63	88	48	1	0	3	1
FL DAYTONA BEACH	91	74	94	72	82	1	0.58	-0.84	0.32	20.05	126	31.91	106	97	59	5	0	3	0
FL JACKSONVILLE	91	72	95	69	82	1	0.69	-1.17	0.27	20.58	121	34.63	101	94	52	4	0	4	0
FL KEY WEST	90	81	91	79	86	1	0.19	-1.00	0.11	13.37	109	22.74	99	79	62	5	0	2	0
FL MIAMI	92	80	93	78	86	3	0.27	-1.51	0.12	25.88	128	48.15	128	82	57	7	0	6	0
FL ORLANDO	93	75	95	74	84	1	0.46	-1.08	0.39	24.61	125	38.78	116	98	54	7	0	3	0
FL TAMPA	91	76	92	73	83	1	1.01	-0.73	0.70	18.31	92	31.59	105	89	69	6	0	2	1
FL VALPARAISO/EGLIN	90	73	93	68	82	1	1.12	-0.45	0.56	20.15	102	48.13	112	92	58	5	0	2	2
FL WEST PALM BEACH	91	78	95	73	83	1	1.24	-0.15	0.55	21.32	115	41.80	113	90	60	5	0	6	1
GA ATHENS	88	68	94	58	78	0	1.06	0.26	0.78	11.45	98	30.74	89	93	50	4	0	2	1
GA ATLANTA	86	67	91	58	76	-2	0.61	-0.17	0.58	9.94	87	32.35	92	93	53	1	0	2	1
GA AUGUSTA	92	68	98	61	80	1	1.47	0.46	1.25	11.46	97	27.21	85	94	46	5	0	3	1
GA COLUMBUS	89	71	95	65	80	-1	0.25	-0.53	0.16	11.48	92	33.93	94	89	50	3	0	2	0
GA MACON	90	69	94	60	80	-1	0.28	-0.52	0.28	4.96	46	24.13	76	94	46	4	0	1	0
GA SAVANNAH	90	70	94	65	80	0	0.11	-1.58	0.07	18.37	104	31.80	89	97	58	4	0	3	0
HI HILO	86	70	88	67	78	2	1.37	-0.70	0.39	44.72	195	90.91	111	89	58	0	0	6	0
HI HONOLULU	90	74	91	72	82	1	0.11	0.03	0.11	1.03	71	15.43	128	82	52	6	0	1	0
HI KAHULUI	90	70	92	67	80	1	-	-	-	-	-	-	-	88	52	4	0	-	-
HI LIHUE	81	75	81	71	76	-4	-	-	-	-	-	-	-	83	72	0	0	-	-
ID BOISE	94	82	100	58	78	6	0.00	-0.11	0.00	1.83	127	8.24	109	47	18	6	0	0	0
ID LEWISTON	93	82	98	59	78	4	0.00	-0.19	0.00	1.96	79	10.61	130	55	21	5	0	0	0
ID POCATELLO	90	51	96	43	70	2	0.20	0.04	0.12	4.35	203	9.07	115	78	21	3	0	2	0
IL CHICAGO/O'HARE	73	58	76	54	66	-6	0.19	-0.77	0.15	7.87	73	19.24	83	92	61	0	0	3	0
IL MOLINE	75	58	78	52	66	-6	0.97	0.06	-	10.68	86	24.49	93	95	66	0	0	-	-
IL PEORIA	74	59	78	52	67	-6	1.90	1.22	1.69	6.83	65	19.59	82	93	62	0	0	5	1
IL ROCKFORD	72	55	74	50	64	-7	1.28	0.34	1.17	9.86	82	22.65	96	98	60	0	0	5	1
IL SPRINGFIELD	75	58	81	51	67	-6	2.09	1.36	1.67	6.11	65	15.87	68	96	67	0	0	5	1
IN EVANSVILLE	79	61	89	53	70	-6	0.05	-0.82	0.04	6.00	61	31.23	107	95	61	0	0	2	0
IN FORT WAYNE	71	57	75	49	64	-7	0.28	-0.50	0.15	12.74	133	29.00	126	95	67	0	0	5	0
IN INDIANAPOLIS	75	59	79	49	67	-6	1.28	0.49	0.71	6.32	59	25.26	94	98	64	0	0	3	1
IN SOUTH BEND	71	56	74	50	64	-7	0.99	0.16	0.48	9.32	88	21.37	86	93	64	0	0	6	0
IA BURLINGTON	-	-	-	-	-	-	0.95	0.08	-	8.98	81	22.82	96	-	-	-	-	-	-
IA CEDAR RAPIDS	-	-	-	-	-	-	0.28	-0.83	-	6.21	54	17.75	78	-	-	-	-	-	-
IA DES MOINES	78	59	84	53	67	-6	0.34	-0.82	0.34	10.24	90	20.16	89	94	59	0	0	1	0
IA DUBUQUE	71	55	74	49	63	-6	0.87	-0.21	0.42	11.25	97	22.30	89	95	65	0	0	4	0
IA SIOUX CITY	79	52	88	47	65	-7	0.06	-0.80	0.05	5.72	62	13.28	72	96	56	0	0	2	0
IA WATERLOO	75	55	82	49	65	-5	2.59	1.80	2.37	10.99	91	20.59	87	96	60	0	0	5	1
KS CONCORDIA	82	63	85	58	72	-4	1.56	0.78	0.81	9.13	85	16.09	77	97	58	0	0	4	2
KS DODGE CITY	84	64	89	60	74	-4	0.68	0.09	0.60	13.44	159	19.72	122	95	59	0	0	3	1
KS GOODLAND	83	58	90	55	70	-3	0.95	0.57	-	10.16	136	13.91	98	95	50	1	0	-	-
KS TOPEKA	82	62	84	58	72	-4	1.43	0.54	0.52	9.64	80	21.33	89	97	58	0	0	5	1

Based on 1961-90 normals

Weather Data for the Week Ending August 23, 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 JAN 1	PCT. NORMAL SINCE JAN 1	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F			
																90 AND ABOVE	32 AND BELOW	01 INCH OR MORE	50 INCH OR MORE
WICHITA	82	67	86	63	74	-5	3.28	2.58	1.10	13.50	140	25.08	125	93	61	0	0	0	3
LA JACKSON	79	62	89	51	71	-3	1.68	0.84	1.22	15.61	126	37.86	114	95	59	0	0	0	5
LEXINGTON	78	61	88	51	70	-5	1.48	0.63	0.92	15.15	130	47.87	157	93	55	0	0	0	3
LOUISVILLE	80	64	91	54	72	-4	0.62	-0.24	0.51	13.18	123	47.16	155	95	58	1	0	0	2
PADUCAH	82	63	87	53	72	-4	0.72	-0.02	0.72	11.67	109	40.01	122	96	58	0	0	0	1
LA BATON ROUGE	91	72	94	66	81	0	2.04	0.72	1.61	16.19	102	50.22	122	96	54	5	0	0	4
LAKE CHARLES	93	74	97	69	83	2	6.65	5.44	3.07	15.37	109	48.37	140	94	55	6	0	0	3
NEW ORLEANS	92	75	95	72	84	2	0.29	-1.11	0.12	13.26	80	37.19	89	86	53	5	0	0	4
SHREVEPORT	91	72	95	67	82	0	2.50	1.98	1.95	12.44	127	48.89	162	95	56	5	0	0	2
ME CARIBOU	68	49	72	41	59	-4	0.96	0.05	0.63	9.89	99	24.02	108	98	82	0	0	0	4
PORTLAND	75	57	88	51	66	-1	0.73	0.10	0.70	5.81	67	22.07	82	91	57	0	0	0	3
MD BALTIMORE	82	63	100	57	72	-3	3.87	2.99	2.75	9.80	95	25.40	95	95	48	1	0	0	3
MA BOSTON	76	61	93	58	69	-3	1.45	0.71	0.81	4.95	59	18.73	72	89	57	1	0	0	5
WORCESTER	72	57	83	55	65	-3	1.86	1.01	1.32	7.32	69	24.57	82	89	61	0	0	0	4
MI ALPENA	67	48	74	39	57	-7	1.37	0.80	0.88	8.37	99	21.42	116	93	60	0	0	0	3
GRAND RAPIDS	70	54	73	47	62	-7	0.58	-0.25	0.28	6.59	70	19.50	89	92	63	0	0	0	4
HOUGHTON LAKE	67	47	74	40	57	-8	1.24	0.45	0.69	8.26	102	18.76	107	98	60	0	0	0	5
LANSING	69	53	73	45	61	-7	0.39	-0.37	0.26	6.31	74	18.33	96	95	64	0	0	0	4
MARQUETTE	-	-	-	-	-	-	0.52	-0.28	-	7.17	82	22.39	106	-	-	-	-	-	-
MUSKEGON	69	53	75	47	61	-7	0.58	-0.23	0.31	7.87	114	18.22	97	96	64	0	0	0	3
MN DULUTH	64	49	70	47	56	-7	0.89	-0.22	0.36	8.37	81	14.20	73	96	64	0	0	0	4
INT'L FALLS	69	45	72	40	57	-6	0.08	-0.61	0.05	6.63	66	11.37	69	97	52	0	0	0	3
MINNEAPOLIS	71	56	84	52	64	-6	3.26	2.45	3.17	21.06	204	26.61	135	93	65	0	0	0	5
ROCHESTER	69	53	77	48	61	-7	0.93	0.07	0.76	14.06	130	23.54	118	96	72	0	0	0	5
ST. CLOUD	70	52	81	44	61	-5	2.48	1.55	2.31	12.72	120	17.80	94	96	65	0	0	0	5
MS JACKSON	90	69	95	63	79	-1	1.02	0.19	0.98	14.64	139	42.63	115	98	55	4	0	0	3
MERIDIAN	89	67	95	59	78	-2	0.99	0.25	0.79	11.45	100	41.99	109	99	55	3	0	0	2
TUPELO	87	68	93	60	77	-2	1.56	0.90	1.00	19.94	191	50.33	136	94	56	3	0	0	2
MO COLUMBIA	80	61	83	56	71	-4	2.05	1.31	1.63	9.14	88	26.66	104	97	59	0	0	0	3
KANSAS CITY	80	62	82	58	71	-5	0.00	-0.91	0.00	5.26	44	18.72	75	95	58	0	0	0	0
SAINT LOUIS	78	64	84	59	71	-8	1.59	0.98	1.24	5.11	53	20.51	83	96	61	0	0	0	2
SPRINGFIELD	80	62	85	56	71	-6	1.96	1.13	0.85	8.70	83	25.36	94	98	62	0	0	0	3
MT BILLINGS	85	56	95	48	70	0	0.02	-0.22	0.02	6.69	184	10.78	101	88	38	3	0	0	1
BUTTE	82	46	89	43	64	3	0.21	-0.09	0.17	8.57	198	16.70	189	95	24	0	0	0	2
GLASGOW	83	53	94	49	68	-1	0.15	-0.15	0.10	4.99	103	8.44	101	81	29	2	0	0	3
GREAT FALLS	83	50	94	46	66	0	0.16	-0.20	0.12	6.44	135	11.40	101	87	31	1	0	0	2
KALISPELL	82	47	90	43	64	2	0.17	-0.16	0.16	5.07	117	13.50	124	94	33	1	0	0	2
MILES CITY	88	56	100	46	72	0	0.07	-0.18	0.06	5.37	104	8.92	86	78	27	3	0	0	2
MISSOULA	86	49	96	45	68	2	0.04	-0.24	0.04	4.31	121	11.75	126	83	28	2	0	0	1
NE GRAND ISLAND	80	61	87	56	70	-3	2.02	1.38	1.63	12.54	142	18.76	103	95	59	0	0	0	3
LINCOLN	80	60	87	54	70	-5	0.68	-0.12	0.51	9.15	95	16.45	84	95	58	0	0	0	4
NORFOLK	80	56	89	51	68	-4	0.04	-0.52	0.04	6.88	72	14.32	77	95	50	0	0	0	1
NORTH PLATTE	81	58	89	53	70	-1	0.34	-0.02	0.32	9.04	116	11.72	77	94	55	0	0	0	3
OMAHA	79	59	86	55	69	-5	0.50	-0.23	-	10.00	102	16.25	80	96	56	0	0	0	-
SCOTTSBLUFF	84	55	90	51	69	-2	0.08	-0.14	0.04	7.08	128	17.11	144	93	41	1	0	0	3
VALENTINE	82	57	94	51	69	-2	0.78	0.30	0.58	10.22	133	16.87	118	94	48	1	0	0	4
NV ELY	87	53	91	45	70	5	0.01	-0.18	0.01	2.72	124	6.37	95	43	13	3	0	0	1
LAS VEGAS	103	82	107	80	92	4	0.00	-0.11	0.00	0.92	111	1.16	43	32	14	7	0	0	0
RENO	88	53	91	48	71	2	0.00	-0.06	0.00	1.22	128	5.59	118	63	20	2	0	0	0
WINNEMUCCA	91	47	95	43	69	0	0.00	-0.11	0.00	2.48	168	5.63	106	49	16	5	0	0	0
NH CONCORD	78	54	87	46	65	-2	1.03	0.29	0.85	6.78	76	20.93	92	92	50	0	0	0	4
NJ NEWARK	79	63	94	59	71	-5	1.26	0.40	0.96	11.50	108	28.54	99	92	52	1	0	0	4
NM ALBUQUERQUE	89	65	92	62	77	1	1.35	0.98	1.03	4.92	153	7.77	137	70	26	5	0	0	5
NY ALBANY	73	55	79	51	64	-5	1.40	0.61	1.22	7.09	75	17.84	76	94	63	0	0	0	5
BINGHAMTON	69	52	73	47	60	-8	0.82	0.08	0.29	7.15	74	18.69	79	97	65	0	0	0	5
BUFFALO	70	56	74	50	63	-6	2.28	1.32	0.80	9.57	89	26.50	113	95	58	0	0	0	4
ROCHESTER	71	53	74	48	62	-6	1.20	0.41	0.54	8.66	105	20.55	102	97	59	0	0	0	5
SYRACUSE	74	56	78	50	65	-3	1.30	0.50	0.85	7.51	73	18.65	77	93	56	0	0	0	5
NC ASHEVILLE	82	61	91	51	72	0	0.11	-0.95	0.07	11.42	93	34.73	109	93	46	1	0	0	2
CHARLOTTE	89	70	95	58	80	2	0.00	-0.83	0.00	16.49	163	32.98	115	83	42	4	0	0	0
GREENSBORO	85	65	95	53	75	0	1.27	0.42	1.27	7.70	88	26.56	94	86	45	1	0	0	1
HATTERAS	83	72	88	64	78	-1	1.47	0.09	0.59	10.02	74	29.85	86	89	55	0	0	0	3
RALEIGH	90	65	99	52	78	1	0.17	-0.73	0.17	10.89	101	27.26	97	91	42	4	0	0	1
WILMINGTON	88	71	96	62	79	0	1.97	-0.45	1.69	14.00	72	28.06	73	93	56	2	0	0	3
ND BISMARCK	83	51	97	46	67	-1	0.00	-0.39	0.00	4.35	71	10.30	88	90	35	2	0	0	0
DICKINSON	82	52	97	49	67	-1	0.44	0.12	0.37	8.63	135	14.36	117	86	34	2	0	0	2
FARGO	78	52	87	49	64	-4	0.02	-0.52	0.01	9.41	128	17.48	126	91	46	0	0	0	2
GRAND FORKS	78	55	89																

Weather Data for the Week Ending August 23, 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 JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL IN, SINCE JUN 1	PCT. NORMAL SINCE JUN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
OK TOLEDO	72	56	74	50	64	-6	0.12	-0.62	0.11	7.50	79	24.35	114	92	55	0	0	2	0		
OK YOUNGSTOWN	69	56	76	51	62	-6	1.33	0.59	0.68	8.75	83	19.34	79	93	67	0	0	5	1		
OK OKLAHOMA CITY	87	71	90	64	79	-2	1.66	1.04	1.23	8.82	101	20.13	91	92	61	1	0	4	1		
OR TULSA	85	69	90	65	77	-4	3.39	2.66	1.43	18.15	187	29.18	112	96	63	1	0	6	3		
OR ASTORIA	70	56	73	52	63	3	0.39	0.08	0.31	6.41	144	48.18	131	93	69	0	0	2	0		
OR BURNS	85	43	91	40	64	1	0.16	-0.01	0.16	1.15	86	6.70	109	72	24	1	0	1	0		
OR EUGENE	79	57	87	51	68	0	0.94	0.68	0.66	2.92	108	23.90	88	88	43	0	0	2	1		
OR MEDFORD	88	58	95	54	73	0	0.75	0.62	0.47	2.78	234	11.36	116	78	29	1	0	2	0		
OR PENDLETON	89	58	96	53	73	2	0.00	-0.13	0.00	1.42	102	5.61	78	69	29	2	0	0	0		
OR PORTLAND	80	61	84	57	70	2	0.57	0.31	0.56	3.92	137	27.15	136	91	61	0	0	2	1		
OR SALEM	79	58	87	54	69	2	0.33	0.15	0.33	2.14	86	26.72	125	91	49	0	0	1	0		
PA ALLENTOWN	76	57	87	51	67	-5	2.25	1.29	1.81	12.50	113	25.06	89	94	55	0	0	5	1		
PA ERIE	70	58	74	52	64	-6	1.84	0.90	1.23	10.06	98	27.93	113	91	68	0	0	5	1		
PA MIDDLETOWN	78	63	88	58	70	-3	2.17	1.43	1.80	10.66	108	22.15	84	91	68	0	0	4	1		
PA PHILADELPHIA	79	64	94	59	72	-3	2.40	1.56	1.53	9.48	87	25.07	90	84	48	1	0	4	2		
PA PITTSBURGH	71	60	77	53	66	-5	1.12	0.41	0.65	8.03	82	22.31	90	92	66	0	0	5	1		
PA SCRANTON	74	55	81	47	64	-5	2.22	1.48	1.24	8.06	79	17.24	73	95	57	0	0	6	2		
PA WILLIAMSPORT	75	58	82	49	66	-5	2.01	1.27	1.00	8.92	82	18.24	69	95	57	0	0	6	2		
RI PROVIDENCE	78	60	91	57	68	-3	2.73	1.90	1.14	8.11	88	24.84	87	92	64	1	0	6	2		
SC BEAUFORT	90	73	94	69	81	1	1.21	-0.59	1.08	15.99	87	30.61	84	96	58	4	0	2	1		
SC CHARLESTON	90	72	94	65	81	0	0.06	-1.57	0.04	23.42	125	38.73	108	93	58	3	0	2	0		
SC COLUMBIA	92	71	97	62	82	2	0.04	-1.33	0.04	13.39	90	29.41	83	84	42	5	0	1	0		
SC GREENVILLE	88	67	94	58	78	1	0.00	-0.68	0.00	12.82	104	33.85	98	90	45	2	0	0	0		
SD ABERDEEN	78	63	96	47	65	-5	2.67	2.20	2.61	7.01	93	12.54	89	97	49	1	0	2	1		
SD HURON	80	56	94	53	68	-3	0.37	-0.06	0.24	10.81	144	16.80	110	92	47	1	0	3	0		
SD RAPID CITY	81	54	92	52	68	-2	0.11	-0.26	0.11	10.69	168	21.52	167	91	47	1	0	1	0		
SD SIOUX FALLS	77	53	88	48	66	-6	0.02	-0.64	0.02	7.44	91	15.47	94	94	56	0	0	1	0		
TN BRISTOL	81	60	92	49	71	-3	0.67	-0.02	0.67	10.34	101	32.91	119	95	52	1	0	1	1		
TN CHATTANOOGA	86	67	94	57	76	-1	0.28	-0.49	0.28	13.69	124	40.26	114	92	50	3	0	1	0		
TN KNOXVILLE	84	65	95	55	75	-1	1.63	0.96	0.83	11.47	104	38.32	119	91	48	2	0	4	1		
TN MEMPHIS	87	70	92	61	79	-2	1.03	0.26	0.82	14.94	151	55.12	163	91	53	2	0	2	1		
TN NASHVILLE	85	67	93	59	76	-2	1.38	0.61	1.04	13.39	132	37.49	119	90	53	1	0	3	1		
TX ABILENE	95	73	99	69	84	1	0.02	-0.64	0.02	9.67	139	18.72	122	84	37	6	0	1	0		
TX AMARILLO	86	65	90	63	75	-1	0.00	-0.74	0.00	9.84	113	19.57	137	95	44	2	0	0	0		
TX AUSTIN	95	75	97	73	85	0	0.12	-0.36	0.12	11.91	166	31.16	164	89	45	7	0	1	0		
TX BEAUMONT	92	76	96	71	84	1	0.39	-0.83	0.22	13.09	88	35.36	100	99	63	6	0	4	0		
TX BROWNSVILLE	96	75	98	61	85	1	0.00	-0.69	0.00	1.95	31	15.77	113	95	48	7	0	0	0		
TX CORPUS CHRISTI	98	75	101	72	87	3	0.24	-0.56	0.24	2.80	36	18.67	108	95	46	7	0	1	0		
TX DEL RIO	103	79	104	76	91	6	0.00	-0.33	0.00	4.51	91	17.75	158	76	26	7	0	0	0		
TX EL PASO	93	72	96	69	82	3	0.03	-0.33	0.03	2.05	60	4.26	85	70	33	8	0	1	0		
TX FORT WORTH	94	78	99	73	85	0	0.00	-0.51	0.00	8.13	119	28.88	130	83	49	6	0	0	0		
TX GALVESTON	91	78	94	64	85	1	0.36	-0.68	0.36	3.24	28	30.56	121	86	66	8	0	1	0		
TX HOUSTON	96	73	99	70	84	2	1.61	0.81	1.29	8.26	75	38.22	133	98	47	6	0	3	1		
TX LUBBOCK	93	69	98	65	81	3	0.40	-0.18	0.39	7.10	102	17.19	141	86	39	6	0	2	0		
TX MIDLAND	95	70	102	67	83	2	2.09	1.70	1.53	8.04	181	12.96	146	83	37	6	0	3	2		
TX SAN ANGELO	97	73	100	68	85	3	0.19	-0.29	0.19	5.42	116	18.13	150	83	37	6	0	1	0		
TX SAN ANTONIO	99	77	102	75	88	3	0.08	-0.51	0.08	7.11	92	20.93	107	86	34	7	0	1	0		
TX VICTORIA	98	75	101	73	87	3	0.24	-0.48	0.24	6.95	65	44.48	194	97	43	7	0	1	0		
TX WACO	97	74	101	67	86	1	0.29	-0.10	0.28	7.56	118	30.83	151	91	42	6	0	2	0		
UT WICHITA FALLS	95	72	100	68	83	0	1.04	0.44	0.52	4.23	61	15.83	85	91	46	6	0	3	1		
UT SALT LAKE CITY	94	69	97	67	82	7	0.01	-0.18	0.01	3.18	134	12.04	114	52	22	7	0	1	0		
VT BURLINGTON	73	54	76	48	64	-4	1.44	0.52	0.95	10.47	103	19.69	91	84	52	0	0	3	2		
VA LYNCHBURG	83	62	97	50	72	-2	1.00	0.21	0.96	7.81	75	23.38	88	91	49	1	0	3	1		
VA NORFOLK	85	70	97	64	77	1	0.78	-0.29	0.47	8.80	70	20.65	68	86	51	1	0	2	0		
VA RICHMOND	85	65	98	55	75	-1	0.27	-0.69	0.24	8.47	70	22.37	78	91	51	1	0	2	0		
VA ROANOKE	83	64	97	55	74	-1	1.85	0.92	1.25	10.20	100	22.41	84	84	48	1	0	2	2		
VA WASH/DULLES	81	61	100	52	71	-3	4.90	3.99	3.32	9.06	88	22.55	86	95	55	1	0	3	2		
WA HANFORD	92	63	98	57	77	-	0.01	-0.07	0.01	0.66	96	3.78	108	58	23	4	0	1	0		
WA OLYMPIA	77	53	89	45	65	2	0.28	-0.03	0.26	4.42	133	38.16	139	95	52	0	0	2	0		
WA QUILLAYUTE	69	52	74	47	61	1	0.53	-0.05	0.28	9.94	133	75.06	128	96	63	0	0	3	0		
WA SEATTLE-TACOMA	76	58	87	54	67	2	0.12	-0.15	0.12	3.19	104	27.60	138	87	47	0	0	1	0		
WA SPOKANE	88	56	91	52	71	3	0.00	-0.17	0.00	1.52	81	11.83	118	65	26	1	0	0	0		
WA YAKIMA	86	54	92	49	70	1	0.00	-0.11	0.00	0.83	100	3.38	75	76	27	1	0	0	0		
WV BECKLEY	74	59	85	49	66	-2	1.00	0.28	0.31	12.03	108	29.27	105	96	67	0	0	5	0		
WV CHARLESTON	78	63	90	54	70	-3	2.10	1.23	0.98	15.27	131	33.22	117	98	69	1	0	5	2		
WV ELKINS	75	57	88	45	66	-1	0.49	-0.48	0.44	8.43	89	27.78	92	95	64	0	0	2	0		
WV HUNTINGTON	79	63	90	53	71	-2	2.48	1.85	1.55	12.59	113	29.20	104	96	63	1	0	4	2		
WI EAU CLAIRE	69	52	74	47	60	-8	1.88	0.84	0.76	15.85	138	22.57	105	98	66	0	0	4	2		
WI GREEN BAY	68	50	73	47	59	-7	1.74	0.94	1.46	12.07	138	20.85	113	96	63	0	0	5	1		
WI MADISON	69	54	73	49	61	-7	0.54	-0.40	0.40	13.12	131	22.37	110	96	69	0	0	3	0		
WI MILWAUKEE	69	56	75	53	62	-7	1.29	0.49	0.77	14.46	155	23.13	108	95	71	0	0	4	1		
WY CASPER	87	53	91	46	70	2	0.03	-0.11	0.02	3.48	108	8.24	92	72	20	1	0	2	0		
WY CHEYENNE	78	54	85	51	66	0	0.45	0.08	0.19	10.38	190	15.89	143	89	40	0	0	4	0		
WY LANDER	87	54	92	48	71	2	0.13	0.01	0.13	4.12	155	8.68	94	87	19	2	0	1	0		
WY SHERIDAN	82	52	92	49	67	-1	0.26	0.07	0.12	6.72	182	12.19	120	90	42	1	0	4	0		

Based on 1961-90 normals

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

August 18 - 24, 1997

HIGHLIGHTS

A mid- to late-week storm track brought much-needed moisture to the eastern half of the United States, benefiting crops and pastures. The rainfall provided some relief from drought-like conditions in the mid-Atlantic States, but may have come too late to save some crops. Torrential rains in Delaware and New Jersey caused localized flooding, increased the chance for disease, and stopped harvest. While the moisture was beneficial, the below-normal temperatures

accompanying the storm slowed the progress of maturing crops throughout the Corn Belt and New England. Fields along the southern-Atlantic and Gulf Coasts remained a little dry as the storm passed to the north. Monsoonal moisture fell in the southern Plains, improving most row-crop conditions but hampering harvest activities. Farmers in the West took advantage of above-normal temperatures, with little or no precipitation, to harvest small grains and hay.

Corn: Corn was in the dough stage on 68 percent (%) of the Nation's acreage, ahead of 52% doughing at this time in 1996 and the 5-year average of 61%. Twenty-one percent of the acreage was dented, ahead of last year but behind the average. Progress of the corn crop slowed, but remained ahead of average in the western Corn Belt. On the other hand, crop development slowed to near-normal levels in the eastern Corn Belt. Mid- to late-week rainfall brought much-needed precipitation to the major corn-producing States. Condition of the corn crop improved somewhat, but remained mostly good to fair.

Soybeans: The soybean crop also showed signs of slowing to normal progress due to cool weather in the Eastern United States. For the Nation, 90% of the soybean acreage was setting pods, compared with 77% last year and the average of 82%. Soybeans were just beginning to drop leaves in Kansas, Louisiana, Mississippi, and South Dakota. Soybean condition improved with mid- to late-week rains. Crop conditions improved with rainfall, but farmers were concerned about the effect that cool weather had on crop development.

Cotton: Bolls were opening on 16% of the cotton acreage, behind both 25% in 1996 and the average of 20%. Progress in Georgia, Louisiana, and Mississippi was significantly behind normal. California cotton fields progressed well ahead of normal. The New Mexico crop matured slowly, but was still ahead of normal. Bolls opened rapidly in central Texas, while harvest activity increased to the south. Harvest was active in southern Louisiana. Crop condition in North Carolina declined due to continued hot, dry weather. Overall, crop condition remained mostly good to fair.

Rice: The majority of the nation's rice acreage, at 92%, was headed. Rice harvest was 13% complete, behind the 21% harvested at this time last year and the average 18%. Harvest

had yet to begin in Arkansas and was well behind normal in Texas. Harvest continued along the Texas upper coast, and many more fields were drained in preparation for harvest. Nationwide, rice condition rated mostly good.

Sorghum: Ninety-two percent of the sorghum crop was harvested, compared with 94% last year and the average of 85%. Fields developed ahead of normal in most major sorghum-producing States, especially Colorado, Kansas, and Missouri. Forty-two percent of the acreage was turning color, ahead of both 1996 and the average. Fields in Missouri, Nebraska, and Oklahoma responded well to improved moisture supply and moderate temperatures. Overall, sorghum remained in mostly good condition.

Other Small Grains: Farmers in the major spring wheat and barley-producing States made good harvest progress as warm, dry weather dominated the week. Spring wheat harvest advanced to 41% complete, behind 49% in 1996 but ahead of the average of 39%. Barley harvest reached 50% complete, 1 percentage point behind 1996 but equal to the average. Condition of both spring wheat and barley rated mostly good to fair. Oat harvest was slowed by showers in most Eastern States, while farmers in the Western States made good progress. Nationally, oat harvest was 78% complete, compared with 79% in 1996 and 76% for the average.

Other Crops: Peanut harvest was just underway in Florida, where disease pressure increased due to wet weather. South Carolina growers also began harvesting their peanut acreage. Crop condition in Georgia slipped slightly due to dry weather as farmers prepared for harvest and sprayed for diseases. Crop condition in North Carolina declined substantially due to dry weather. Overall, peanut condition rated mostly good. Farmers in the West prepared to plant winter wheat.

Crop Progress and Condition

Week Ending August 24, 1997

Soybeans Percent Setting Pods				
	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
AL	60	46	64	63
AR	62	41	71	68
GA	73	60	71	75
IL	95	93	73	85
IN	93	75	57	86
IA	100	95	93	92
KS	90	87	83	78
KY	47	40	55	58
LA	92	86	98	91
MI	99	89	61	74
MN	98	84	91	88
MS	86	84	95	82
MO	85	68	69	70
NE	98	89	93	88
NC	52	37	50	53
OH	96	77	65	86
SC	46	39	62	56
SD	97	80	91	82
TN	55	45	67	64
ALL	90	79	77	82

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

Corn Percent Dough				
	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
CO	47	33	75	47
GA	100	98	100	100
IL	76	63	58	76
IN	81	55	53	77
IA	59	32	35	47
KS	91	75	95	80
KY	82	50	84	90
MI	24	5	12	22
MN	46	17	30	40
MO	96	91	91	80
NE	84	66	69	67
NC	95	90	98	94
OH	71	27	41	74
PA	56	40	55	53
SD	62	26	42	44
TX	96	93	100	94
WI	43	34	28	44
ALL	68	47	52	61

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

Cotton Percent Bolls Opening				
	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
AL	9	4	14	10
AZ	57	40	66	61
AR	4	3	15	10
CA	35	20	24	18
GA	4	2	35	23
LA	16	1	36	34
MS	12	10	50	29
MO	11	9	19	7
NM	18	15	26	11
NC	9	5	13	13
OK	1	0	8	5
SC	5	3	7	8
TN	0	0	14	8
TX	20	14	22	21
ALL	16	10	25	20

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

Soybeans Percent Dropping Leaves				
	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
AL	0	NA	0	1
AR	0	NA	5	3
GA	0	NA	0	2
IL	0	NA	0	0
IN	0	NA	0	1
IA	0	NA	0	0
KS	6	NA	4	3
KY	0	NA	0	0
LA	8	NA	13	5
MI	0	NA	0	0
MN	0	NA	0	0
MS	13	NA	22	7
MO	0	NA	0	0
NE	0	NA	0	0
NC	0	NA	0	0
OH	0	NA	0	0
SC	0	NA	0	0
SD	7	NA	6	5
TN	0	NA	1	1
ALL	1	NA	2	1

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

Corn Percent Dented				
	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
CO	4	NA	22	7
GA	98	NA	98	99
IL	24	NA	17	30
IN	14	NA	13	24
IA	12	NA	6	16
KS	55	NA	64	44
KY	44	NA	53	63
MI	0	NA	0	5
MN	7	NA	3	9
MO	65	NA	66	53
NE	19	NA	15	23
NC	76	NA	91	84
OH	10	NA	0	18
PA	20	NA	15	13
SD	17	NA	10	13
TX	75	NA	94	82
WI	4	NA	3	11
ALL	21	NA	19	25

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

Oats Percent Harvested				
	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
IA	100	100	100	100
MI	93	71	74	66
MN	68	50	91	77
NE	100	100	100	100
ND	48	21	44	42
OH	96	90	98	97
PA	86	73	72	83
SD	90	73	95	91
WI	76	68	72	70
ALL	78	63	79	76

These 9 States produced 56% of the 1996 oat crop.

Barley Percent Harvested				
	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
ID	50	23	47	49
MN	46	26	51	54
MT	34	17	49	36
ND	52	24	49	51
SD	79	60	93	90
WA	77	65	56	68
ALL	50	27	51	50

These 6 States produced 82% of the 1996 barley crop.

Crop Progress and Condition

Week Ending August 24, 1997

Sorghum Percent Headed

	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
AR	98	90	99	98
CO	87	65	77	65
IL	90	83	78	85
KS	96	88	95	79
LA	100	94	100	99
MS	100	100	100	99
MO	100	92	90	87
NE	94	89	92	86
NM	69	53	45	60
OK	79	52	93	79
SD	82	77	89	73
TX	89	84	98	93
ALL	92	84	94	85

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

Sorghum Percent Coloring

	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
AR	55	34	78	75
CO	1	0	10	8
IL	14	13	10	23
KS	32	15	22	17
LA	87	70	95	89
MS	85	82	93	87
MO	50	28	42	42
NE	13	1	13	16
NM	1	0	5	9
OK	12	10	28	28
SD	16	12	24	16
TX	68	61	68	75
ALL	42	30	39	40

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

Peanuts Percent Harvested

	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
AL	0	NA	NA	NA
FL	4	NA	NA	NA
GA	0	NA	NA	NA
NC	0	NA	NA	NA
OK	0	NA	NA	NA
SC	6	NA	NA	NA
TX	0	NA	NA	NA
VA	0	NA	NA	NA
ALL	0	NA	NA	NA

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

Rice Percent Headed

	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
AR	89	72	96	92
CA	100	90	93	85
LA	93	92	97	95
MS	82	80	99	93
TX	95	93	100	97
ALL	92	82	96	92

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

Rice Percent Harvested

	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
AR	0	0	4	4
CA	5	0	0	0
LA	51	42	58	53
MS	0	0	6	5
TX	15	6	71	49
ALL	13	9	21	18

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

Spring Wheat Percent Harvested

	Aug 24 1997	Prev Week	Prev Year	5-Yr Avg
ID	42	19	50	47
MN	35	22	45	40
MT	34	18	54	34
ND	36	16	38	30
SD	78	54	89	79
ALL	41	22	49	39

These 5 States produced 96% of the 1996 spring wheat crop.

Peanuts Crop Condition by Percent

	VP	P	F	G	EX
AL	0	5	54	36	5
FL	0	1	17	40	42
GA	0	10	23	56	11
NC	0	11	37	51	1
OK	0	2	33	59	6
SC	0	0	10	81	9
TX	1	5	28	44	22
VA	4	6	33	46	11
ALL	0	7	30	50	13
Prev Wk	1	4	28	57	10
Prev Yr	1	7	34	51	7

Soybeans Crop Condition by Percent

	VP	P	F	G	EX
AL	1	10	42	45	2
AR	1	11	33	44	11
GA	1	7	23	54	15
IL	2	10	36	45	7
IN	1	6	33	46	14
IA	2	6	25	52	15
KS	1	2	21	63	13
KY	1	8	39	45	7
LA	2	9	22	60	7
MI	2	7	35	43	13
MN	2	5	33	49	11
MS	2	6	14	57	21
MO	3	16	38	38	5
NE	2	8	33	49	8
NC	1	4	24	65	6
OH	1	6	25	47	21
SC	0	4	20	62	14
SD	1	5	15	51	28
TN	1	5	30	49	15
ALL	2	8	30	48	12
Prev Wk	2	9	32	46	11
Prev Yr	3	10	30	46	11

Corn Crop Condition by Percent

	VP	P	F	G	EX
CO	4	7	15	53	21
GA	0	2	24	67	7
IL	4	12	36	43	5
IN	3	8	35	44	10
IA	1	8	25	51	15
KS	1	4	23	58	14
KY	4	15	42	33	6
MI	3	10	37	39	11
MN	1	3	19	53	24
MO	7	21	37	30	5
NE	3	6	28	48	15
NC	3	19	32	44	2
OH	1	6	26	48	19
PA	12	20	37	28	3
SD	0	3	12	56	29
TX	0	3	17	53	27
WI	0	4	12	51	33
ALL	2	8	27	48	15
Prev Wk	3	9	28	45	15
Prev Yr	3	9	26	47	15

Crop Progress and Condition

Week Ending August 24, 1997

Cotton Crop Condition by Percent

	VP	P	F	G	EX
AL	10	7	47	33	3
AZ	0	3	10	53	34
AR	0	17	34	44	5
CA	0	0	0	60	40
GA	0	8	20	57	15
LA	3	8	38	46	5
MS	2	4	28	59	7
MO	0	16	31	47	6
NM	0	4	29	41	26
NC	3	15	32	48	2
OK	0	2	22	68	8
SC	1	4	18	67	10
TN	2	6	29	54	9
TX	2	13	33	44	8
ALL	2	10	28	49	11
Prev Wk	2	9	27	49	13
Prev Yr	4	9	24	46	17

Sorghum Crop Condition by Percent

	VP	P	F	G	EX
AR	2	10	42	43	3
CO	0	1	14	64	21
IL	5	15	37	39	4
KS	0	3	15	69	13
LA	0	2	37	58	3
MS	3	5	23	61	8
MO	3	13	35	43	6
NE	3	10	37	46	4
NM	0	11	33	55	1
OK	0	1	8	87	4
SD	0	1	11	68	20
TX	1	4	28	55	12
ALL	1	5	24	59	11
Prev Wk	1	6	25	57	11
Prev Yr	4	5	20	54	17

Barley Crop Condition by Percent

	VP	P	F	G	EX
ID	0	3	9	66	22
MN	4	32	40	22	2
MT	0	4	27	60	9
ND	4	20	40	33	3
SD	0	16	33	45	6
WA	0	0	0	71	29
ALL	2	14	30	45	9
Prev Wk	2	11	32	46	9
Prev Yr	2	12	26	48	12

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

Rice Crop Condition by Percent

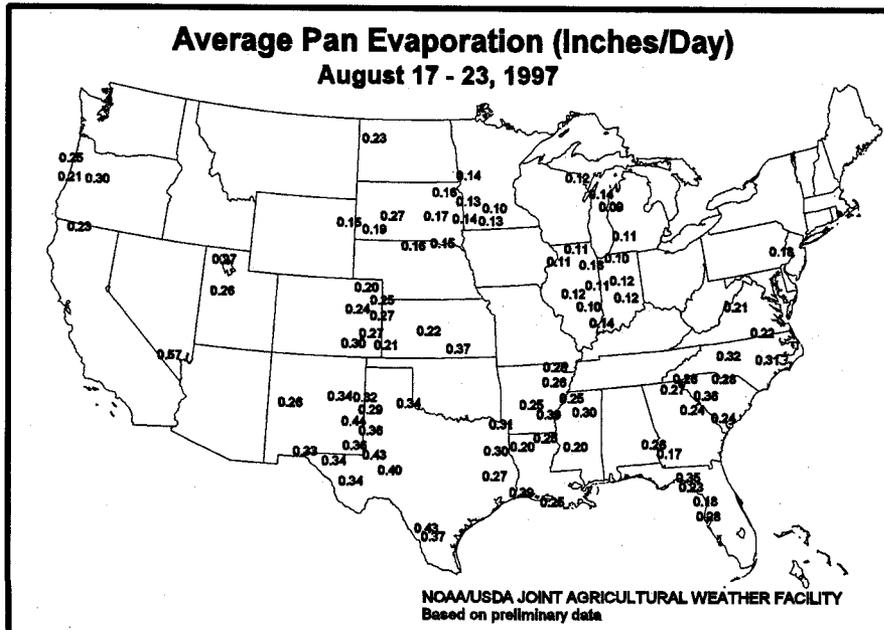
	VP	P	F	G	EX
AR	0	2	21	53	24
CA	0	0	50	50	0
LA	0	2	28	61	9
MS	0	2	10	72	16
TX	0	6	61	31	2
ALL	0	2	31	53	14
Prev Wk	0	2	31	52	15
Prev Yr	0	2	17	59	22

Spring Wheat Crop Condition by Percent

	VP	P	F	G	EX
ID	0	1	11	68	20
MN	3	33	40	22	2
MT	1	8	41	46	4
ND	6	24	41	29	0
SD	4	7	33	41	15
ALL	4	19	38	35	4
Prev Wk	3	15	38	39	5
Prev Yr	3	10	33	44	10

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

**Average Pan Evaporation (Inches/Day)
 August 17 - 23, 1997**



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/occe/waob/jawf>.

ALABAMA: Days suitable for fieldwork 5.9. Topsoil 23% short, 76% adequate, and 1% surplus. Corn dented 94%, 97% 1996, 95% avg. Corn mature 67%, 74% 1996, 73% avg. Corn harvested 22%, 19% 1996, 23% avg.; 5% poor, 24% fair, 57% good, 14% excellent. Livestock 1% poor, 27% fair, 64% good, and 8% excellent. Clear skies, mild temperatures prevailed in most areas.

ALASKA: Days available for harvesting hay or grain 3. Topsoil mostly adequate. Subsoil 5% short, 95% adequate. Second crop hay harvest just starting. Barley, 25% turning color or earlier, 65% ripe, 10% harvested. Oats, 70% turning color or earlier, 20% ripe, 10% harvested. Commercial vegetable harvest continues. Potatoes being harvested for fresh market.

ARIZONA: Temperatures above normal, some precipitation in the central, east. Alfalfa harvest 12% light, 18% moderate, 53% active, 17% not being harvested; 0% very poor, 1% poor, 7% fair, 68% good, 24% excellent. Growers continued to ship carrots, melons from the central area. Most of the melon volume included cantaloupe, honeydews.

ARKANSAS: Days suitable for fieldwork 5. Soil moisture 5% very short, 35% short, 56% adequate, 4% surplus. Main farming activities: Harvest of hay, cotton pest control, preparation for harvest activity. Other farm activities: Soybean irrigation, pest control, fertilization of hay, pasture, culling cows, selling calves, peach harvest. Corn 1% poor, 26% fair, 49% good, 24% excellent. Alfalfa hay 12% poor, 32% fair, 55% good, 1% excellent. Other hay 1% very poor, 17% poor, 36% fair, 41% good, 5% excellent. Pasture 2% very poor, 20% poor, 38% fair, 37% good, 3% excellent.

CALIFORNIA: Field activities progressed normally under favorable conditions in most areas. Ground preparation for seeding 1998's small grain continued. Winter forage crops began to emerge in the central and southern regions. Rice was growing well in the Sacramento, San Joaquin valleys. Rice crop development was ahead of normal and harvesting began in some areas. Wild rice harvest was nearly complete in the northern Sacramento Valley. Cotton good condition, bolls opening in many areas. Some defoliation activities began in the southern portion of Kern County. Milo starting to head out. Blackeye beans received final irrigations before harvest, starting to dry in some areas. Harvest of seed alfalfa, sugarbeets, garbanzo beans, safflower, corn for grain, silage continued. New crop sugarbeets sprayed for worms. Harvest of sudangrass, alfalfa for hay or greenchop was slowed slightly by light rains in some areas, but continued normally in other regions. Almond harvesting continued. Pistachio development one to two weeks ahead of normal. Growers expecting to start harvesting within two weeks in the southern San Joaquin Valley. Picking of plums, peaches, nectarines was in decline. Table grape harvesting continued. Harvesting of raisin grapes, wine grapes gained momentum. The quality of the grapes was high. Harvest continued for Asian pears, Bartlett pears, early variety pomegranates. Valencia orange harvest has picked up again. The new season navel orange crop ahead of normal. Some olives treated for black scale. Rain slowed vegetable harvesting in the Sacramento Valley. Lettuce, broccoli harvested in the coastal areas. Harvest of processing, fresh market tomatoes continued. Some tomatoes sprayed to control mold, aphid, loopers. Large quantities of sweet corn and onions were harvested in Santa Clara, San Benito counties. Harvest of garlic for both fresh, processing uses continued in Fresno County. Onion harvest began to slow in Fresno County. Bell peppers harvested. Sweet potato harvest continued in Merced, Tulare counties. Harvesting of melons continued in the Sacramento Valley. Carrot harvest in Kern, Kings counties continued. Potato harvest declined in Kern County. Ground preparation for fall vegetable planting

in the Imperial, San Joaquin valleys progressed normally. Other crops harvested: Cabbage, radishes, vineseed, eggplant, squash, okra, green beans. Rangeland forage generally poor, with supplemental feeding on the increase. Cooler temperatures relieved the heat stress on livestock. Overall, range animals good.

COLORADO: Days suitable for fieldwork 5.4. Topsoil 4% very short, 15% short, 66% adequate, 15% surplus. Subsoil 6% very short, 15% short, 64% adequate, 15% surplus. A fairly dry week across Colorado improved field conditions, allowed harvesting to progress. Spring barley 97% turning color, 100% 1996, 92% avg.; 50% harvested, 79% 1996, 53% avg. Oats 94% turning color, 100% 1996, 89% avg.; 88% harvested, 68% 1996, 59% avg. Spring wheat 90% turning color, 100% 1996, 89% avg.; 30% harvested, 71% 1996, 44% avg.; 1% very poor, 8% poor, 19% fair, 61% good, 11% excellent. Sorghum 87% headed, 77% 1996, 65% avg.; 1% turning color, 10% 1996, 8% avg.; 1% poor, 14% fair, 64% good, 21% excellent. Summer potatoes 28% harvested, 34% 1996, 37% avg.; 5% very poor, 8% poor, 18% fair, 53% good, 16% excellent. Dry onion 19% harvested, 36% 1996, 27% avg.; 1% very poor, 6% poor, 13% fair, 62% good, 18% excellent. Sugarbeets 2% very poor, 4% poor, 14% fair, 62% good, 18% excellent. Dry beans 100% flowered, 100% 1996, 89% avg.; 3% cut, 10% 1996, 2% avg.; 3% very poor, 9% poor, 21% fair, 51% good, 16% excellent. Alfalfa 91% 2nd cutting, 94% 1996, 83% avg.; 26% 3rd cutting, 26% 1996, 19% avg.; 2% very poor, 6% poor, 22% fair, 56% good, 14% excellent.

DELAWARE: Days suitable for fieldwork 3.5. Topsoil 5% very short, 48% short, 45% adequate, 2% surplus. Subsoil 13% very short, 56% short, 31% adequate. Corn 5% very poor, 18% poor, 33% fair, 42% good, 2% excellent. Field corn 95% silked, 99% 1996, 100% avg.; 56% dough, 75% 1996, 77% avg.; 40% dent, 36% 1996, 42% avg.; 5% mature, 9% 1996, 7% avg.; 12% harvested for silage, 9% 1996, 19% avg. Soybeans 3% very poor, 15% poor, 39% fair, 41% good, 2% excellent; 55% bloomed, 66% 1996, 81% avg.; 40% setting pods, 50% 1996, 48% avg. Sorghum 2% poor, 30% fair, 68% good; 51% headed, 98% 1996, 85% avg.; 12% turning color, 11% 1996, 5% avg. Tomatoes 60% harvested, 70% 1996, 68% avg. Cucumbers 81% harvested, 82% 1996, 81% avg. Snap beans 65% harvested, 71% 1996, 80% avg. Lima beans 28% harvested, 27% 1996, 37% avg. Sweet corn 79% harvested, 75% 1996, 85% avg. Potatoes 91% harvested, 76% 1996, 75% avg. Apples 5% fair, 95% good; 36% harvested, 27% 1996, 20% avg. Cantaloupes 78% harvested, 83% 1996, 80% avg. Watermelons 68% harvested, 73% 1996, 70% avg. Peaches 8% fair, 92% good; 70% harvested, 80% 1996, 79% avg. Hay supplies 16% very short, 24% short, 59% adequate, 1% surplus. Clover, other hays 61% 3rd cutting harvested, 68% 1996, 53% avg.; 11% 4th cutting, 8% 1996, 2% avg. Alfalfa 85% 3rd cutting harvested, 75% 1996, 86% avg.; 16% 4th cutting, 14% 1996, 9% avg. Pastures 6% very poor, 10% poor, 61% fair, 23% good. Activities: Reports of rainfall throughout state, up to 10.0 inches in a 24 hour period in Kent, up to 5.0 inches in New Castle, up to 7.0 inches in Sussex. No crop damage reported yet but might have possible effect on newly planted vegetables.

FLORIDA: Somewhat drier weather allowed most fieldwork to get back on schedule. Scattered showers dropped from 0.25 in. to 1.25 in. at official stations. Topsoil was mostly adequate in the Panhandle, short to adequate in the northern Peninsula, and short to surplus in the central and southern Peninsula. Sugarcane growth was normal. Tobacco marketing was active. Haying and corn harvesting were active when rains allowed. Cotton and soybean crops were making very good growth. Disease pressure was increasing in peanuts due to wet weather. Four percent of the peanuts were harvested, with crop condition very poor 0%, poor 1%, fair 17%, good 40%, and excellent 42%. Palmetto-Ruskin tomatoes were good; planting was increasing

seasonally with workers staking and making first ties; and a few fields were irrigated. Squash and onion plantings were underway, with crop condition good. Cucumber, pepper, watermelon, cantaloupe, and cherry and plum tomato plantings were increasing. Pumpkin planting finished, with crop in good condition. Snap bean and cabbage plantings were expected to begin in early September. East coast vegetable planting was active for eggplant, pepper, and cherry and plum tomatoes. Hot weather was stressing plants. Growers were preparing land for sweet corn and snap bean plantings. The southwest tomatoes were fair to good, with planting expected to increase in the next 2 to 4 weeks. Workers were laying plastic for tomatoes, with small acreage irrigated. Producers were starting to plant eggplant, peppers, and cherry and plum tomatoes, with condition of all being fair to good. Dade vegetable growers were cleaning land and preparing to make beds, and laying plastic for tomato transplanting, which was expected to start in late September. Producers were harvesting okra, which was in good quality, and yield was being realized. Okra harvesting was expected to continue through late October. Squash and snap bean plantings are expected to start in early September; cucumber and eggplant, early October; potato, cabbage, and strawberry, late October; and sweet corn, early November. Quincy tomatoes were in good condition, with picking to begin in late September and early October. Florida's citrus were in very good condition, with the soil moisture supply generally adequate, but some areas had surplus moisture. New growth was abundant, with some splitting of early fruit caused by excessive moisture. Fruit testing continued for early harvest, and caretakers were cutting cover crops, spraying, fertilizing, and removing dead trees. Pasture feed: Fair 5%, good 85%, and excellent 10%. Cattle: Very poor 0%, poor 0%, fair 30%, good 60%, and excellent 10%. Most pastures were fair to good. Rainfall was frequent though spotty. Standing water was no longer a problem in the southwest. Most cattle condition was good. Mosquitos were numerous and bad on cows in the northeast.

GEORGIA: Days suitable for fieldwork 6.0. Soil moisture 5% very short, 30% short, 63% adequate, 2% surplus. Corn 91% mature, 88% 1996, 96% avg.; 33% harvested for grain, 33% 1996, 35% avg. Hay 1% very poor, 3% poor, 25% fair, 65% good, 6% excellent. Sorghum 1% very poor, 3% poor, 23% fair, 68% good, 5% excellent; 7% harvested for grain, 10% 1996, 9% avg. Soybeans 96% blooming, 90% 1996, 94% avg. Tobacco 1% very poor, 5% poor, 32% fair, 58% good, 4% excellent, 92% harvested, 82% 1996, 86% avg. Watermelons 97% harvested, 97% 1996, 99% avg. Apples 1% very poor, 2% poor, 10% fair, 81% good, 6% excellent; 21% harvested, 16% 1996, 20% avg. Pecans 1% very poor, 7% poor, 28% fair, 57% good, 7% excellent. Soil moisture levels dropped slightly during the week, crop conditions steady. Corn, sorghum generally good. Corn harvest accelerating. Cotton conditions increased slightly, good to excellent. Cotton bolls opened several weeks behind normal. Peanut slipped slightly with most farmers preparing for harvest, spraying for diseases. Tobacco, watermelon harvest nearing completion. Hay cutting active throughout the State. Pasture conditions off slightly. Activities: Irrigating, cultivating vegetables, spraying for insects, diseases, mowing weeds in pastures, destroying tobacco stalks.

HAWAII: Warm, humid weather benefited warm season crops. Irrigation necessary some locations as rainfall sporadic. Banana, papaya harvesting active with production at seasonally high levels. Watermelons, sweet corn production, harvesting gaining momentum. Macadamia nut harvest 1997-98 crop underway some areas. Pastures responding favorably to rain, warm temperatures this summer.

IDAHO: Warm, dry weather the past week enabled producers to make rapid harvest progress in all areas of the State. Days suitable for fieldwork 6.5. Topsoil 3% surplus, 80% adequate, 17% short. Barley turning color 99%, 99% 1996, 94% avg. Winter wheat harvested 61%, 87% 1996, 71% avg. Winter Wheat 24% excellent, 63% good, 11% fair, 2% poor. Potatoes turning (vines senescent) 44%, 37% 1996, 52% avg.; Vines dying/killed 9%, 6% 1996, 22% avg.; Harvested 1%, 3% 1996, 2% avg. Potato 17% excellent, 57% good, 20% fair, 6% poor. Alfalfa Hay harvested (2nd cutting) 90%, 88% 1996, 86% avg.; 3rd cutting 24%, 19% 1996, 21% avg. Oats harvested for grain 44%, 37% 1996, 50% avg. Dry Peas harvested 54%, 61% 1996, 61% avg. Lentils harvested 20%, 28% 1996, 50% avg. Peaches harvested 72%, 40% 1996, 55% avg. Dry Beans harvested 4%, 15% 1996, 11% avg. Hops

harvested 1%, 2% 1996, 17% avg. Prunes, Plums harvested 9%, 29% 1996, 23% avg. Mint harvested 61%, 84% 1996, 90% avg. Sweet Corn harvested 23%, 24% 1996, 31% avg. Onions harvested 10%, 9% 1996, 10% avg. Irrigation Water Supply 50% excellent, 49% good, 1% fair. Activities: Inspecting, spraying potatoes for late blight, killing potato vines, harvesting hay, barley, winter, spring wheat, irrigating, fall tillage, straw management.

ILLINOIS: Days suitable for fieldwork 3.5. Topsoil 3% very short, 19% short, 75% adequate, 3% surplus. Crop conditions continued to improve with last week's cooler than normal temperatures and adequate precipitation. Rains fell in most areas. The recent rains, cooler temperatures have helped pastures, crops green up again, but farmers in the north are concerned about the effect the cool temperatures have had on crop development. Farm activities last week included baling hay (between rains), mowing roadsides, waterways, preparing machinery, bins for harvest, attending field days, plot tours. Corn mature less than 1%, 1% 1996, 2% avg. Oats harvested 100%, 100% 1996, 98% avg. Alfalfa hay 3rd cutting 41%, 34% 1996, 48% avg.

INDIANA: Days suitable for fieldwork 3.3. Topsoil 0% very short, 10% short, 79% adequate, 11% surplus. Subsoil 4% very short, 22% short, 65% adequate, 9% surplus. Range, pasture 4% very poor, 18% poor, 40% fair, 33% good, 5% excellent. Second cutting of alfalfa 96% complete, 98% 1996, 99% avg. Third cutting of alfalfa 36% complete. Activities: Baling hay, spraying weeds, mowing pastures, roads, preparing equipment for fall harvest, caring for livestock.

IOWA: Days suitable for fieldwork 5.6. Topsoil very short 11%, short 30%, adequate 58%, surplus 1%. Subsoil very short 13%, short 37%, adequate 49%, surplus 1%. While rain showers fell on many areas, the level of moisture is still thought to be too low. Corn milk stage 95%, 84% 1996, 83% avg.; dough stage 59%, 35% 1996, 47% avg, dent stage 12%, 6% 1996, 16% avg. Alfalfa hay 3rd harvest 16% complete, 25% 1996, 27% avg.; clover hay 2nd harvest 83%, 76% 1996, 77% avg. Crop conditions were down slightly from one week ago. Corn 1% very poor, 8% poor, 25% fair, 51% good, 15% excellent. Soybean 2% very poor, 6% poor, 25% fair, 52% good, 15% excellent. Hay 8% very poor, 18% poor, 36% fair, 32% good, 6% excellent. Livestock good. Pasture 11% very poor, 27% poor, 37% fair, 22% good, 3% excellent.

KANSAS: Days suitable for fieldwork 2.6. Topsoil 2% very short, 10% short, 72% adequate, 16% surplus. Subsoil 3% very short, 17% short, 74% adequate, 6% surplus. Corn mature 7%, 7% 1996, 10% avg. Sunflowers 3% very poor, 9% poor, 23% fair, 59% good, 6% excellent. Sunflowers begin to petal 92%, no historic data available; bloom 64%, no historic data. Third cut alfalfa 91%, 93% 1996, 89% avg. Fourth cut alfalfa 22%, 24% 1996, 17% avg. Stock water supplies 1% very short, 7% short, 84% adequate, 8% surplus. Livestock activities were marketing fall calves, grass cattle. Major field activities: Working wheat stubble, fertilizing, cutting hay, preparing for row crop harvest.

KENTUCKY: Days suitable for fieldwork 4.2. Statewide rainfall slightly above avg. at 1.10 inches. Topsoil 2% very short, 22% short, 69% adequate, 7% surplus. Subsoil 4% very short, 33% short, 59% adequate, 4% surplus. Burley tobacco cut 15%, 22% 1996, 26% avg. Dark tobacco cut 17%, 37% 1996, 40% avg. Tobacco 7% very poor, 19% poor, 42% fair, 27% good, 5% excellent. Hay 9% very poor, 18% poor, 38% fair, 31% good, 4% excellent. Pasture 6% very poor, 20% poor, 39% fair, 32% good, 3% excellent

LOUISIANA: Days suitable for fieldwork 5.7. Soil moisture 2% very short, 31% short, 59% adequate, 8% surplus. Corn 12% fair, 78% good, 10% excellent; 99% mature, 96% 1996, 96% avg.; 65% harvested, 60% 1996, 53% avg. Harvest made good progress. Yields were reported to be above average in some parishes. Cotton: Insect control, irrigation was active in all areas. Hay 77% 2nd cutting, 78% 1996, 64% avg. Rice 64% ripe, 78% 1996, 71% avg. Harvesting was active in the southern half of the State. Sorghum 63% ripe, 77% 1996, 60% avg.; 14% harvested, 42% 1996, 27% avg. Soybeans 100% blooming, 100% 1996, 97% avg.; 20% turning color, 25% 1996, 13% avg. Early group IV varieties were rapidly turning color; and in the southern parishes, some were beginning to drop leaves. Sugarcane 2% poor, 19% fair, 52% good, 27% excellent; 13% planted, 4% 1996, 8% avg. Planting

was active, but a few areas lagged behind in land preparation. Sweet potatoes 1% very poor, 3% poor, 37% fair, 54% good, 5% excellent; 14% harvested, 11% 1996, 11% avg. Livestock 3% poor, 32% fair, 59% good, 6% excellent. Cattlemen marketed some light calves, weaned others. Vegetables 2% very poor, 19% poor, 48% fair, 30% good, 1% excellent.

MARYLAND: Days suitable for fieldwork 4.7. Topsoil 1% very short, 30% short, 65% adequate, 4% surplus. Subsoil moisture 23% very short, 23% short, 49% adequate, 5% surplus. Corn 29% very poor, 24% poor, 23% fair, 22% good, 2% excellent. Field corn 95% silked, 96% 1996, 98% avg.; 53% dough, 61% 1996, 65% avg.; 24% dent, 27% 1996, 34% avg. Soybeans 17% very poor, 16% poor, 28% fair, 32% good, 7% excellent; 93% bloomed, 76% 1996, 83% avg.; 70% setting pods, 53% 1996, 59% avg.; 9% turned, 0% 1996, 1% avg. Sorghum 27% very poor, 14% poor, 8% fair, 41% good, 10% excellent; 80% headed, 93% 1996, 94% avg. Sweet corn 80% harvested, 77% 1996, 78% avg. Cucumbers 81% harvested, 87% 1996, 80% avg. Lima beans 5% harvested, 15% 1996, 22% avg. Snap beans 63% harvested, 83% 1996, 83% avg. Tobacco 10% poor, 18% fair, 62% good, 10% excellent; 96% bloomed, 100% 1996, 94% avg.; 78% topped, 88% 1996, 76% avg.; 36% harvested, 47% 1996, 35% avg. Apples 1% very poor, 5% poor, 36% fair, 53% good, 5% excellent; 16% harvested, 9% 1996, 12% avg. Cantaloupes 87% harvested, 81% 1996, 81% avg. Peaches 4% very poor, 10% poor, 44% fair, 34% good, 8% excellent; 70% harvested, 79% 1996, 73% avg. Watermelons 71% harvested, 73% 1996, 77% avg. Tomatoes 75% harvested, 66% 1996, 70% avg. Hay supplies 26% very short, 34% short, 39% adequate, 1% surplus. Alfalfa hay 70% 3rd cutting, 59% 1996, 79% avg.; 15% 4th cutting, 8% 1996, 11% avg. Clover, other hays 88% 2nd cutting, 94% 1996, 90% avg.; 25% 3rd cutting, 32% 1996, 34% avg. Activities: Rainfall received in early part of week helped double crop soybeans but too late for corn.

MICHIGAN: Days suitable for fieldwork 3.0. Welcomed rain helped field crops across the State. Topsoil 0% very short, 4% short, 77% adequate, 19% surplus. Subsoil moisture was 2% very short, 19% short, 71% adequate, 8% surplus. All hay, 2nd cutting harvested 92% 1997, 87% 1996, 84% avg. All hay, 3rd cutting harvested 22% 1997, 11% 1996, 21% avg. All hay crop 9% very poor, 20% poor, 39% fair, 27% good, 5% excellent. Corn, milk 77% 1997, 55% 1996, 71% avg. Dry beans leaves turning 23% 1997, 7% 1996, 16% avg. Pasture feed 10% very poor, 16% poor, 43% fair, 28% good, 3% excellent.

MINNESOTA: Days suitable for fieldwork 3.4. Topsoil 0% very short, 4% short, 74% adequate, 22% surplus. Corn 91% milk, 84% 1996, 77% 5 yr. avg.; 46% dough, 30% 1996, 40% 5 yr. avg.; 7% denting, 3% 1996, 9% 5 yr. avg. Soybeans 98% setting pods, 91% 1996, 88% 5 yr. avg.; 2% turning yellow, 4% 1996, 5% 5 yr. avg. Spring wheat 35% harvested, 45% 1996, 40% 5 yr. avg. Oats 68% harvested, 91% 1996, 77% 5 yr. avg. Barley 46% harvested, 51% 1996, 54% 5 yr. avg. Rye 96% harvested, 95% 1996, 88% 5 yr. avg. Winter wheat 97% harvested, 95% 1996, 84% 5 yr. avg. Sweet corn 40% harvested, 43% 1996, 35% 5 yr. avg. Pasture 2% very poor, 9% poor, 32% fair, 52% good, 5% excellent. Spring wheat 3% very poor, 33% poor, 40% fair, 22% good, 2% excellent. Barley 4% very poor, 32% poor, 40% fair, 22% good, 2% excellent. Corn 1% very poor, 3% poor, 19% fair, 53% good, 24% excellent. Oats 2% very poor, 10% poor, 40% fair, 46% good, 2% excellent. Soybeans 2% very poor, 5% poor, 33% fair, 49% good, 11% excellent. Dry Beans 1% very poor, 3% poor, 42% fair, 38% good, 16% excellent. Sunflowers 2% very poor, 12% poor, 57% fair, 28% good, 1% excellent. Sugarbeets 1% very poor, 5% poor, 25% fair, 57% good, 12% excellent.

MISSISSIPPI: Days suitable for fieldwork 4.9. Soil moisture 4% very short, 14% short, 70% adequate, 12% surplus.; 93% dent, 97% 1996, 93% avg.; 64% mature, 71% 1996, 65% avg.; 13% grain harvested, 25% 1996, 19% avg.; 69% silage harvested, 76% 1996, 68% avg.; 1% very poor, 6% poor, 23% fair, 57% good, 13% excellent. Soybeans 95% blooming, 99% 1996, 96% avg.; 86% setting pods, 95% 1996, 82% avg.; 21% turning color, 34% 1996, 18% avg.; 13% shedding leaves, 22% 1996, 7% avg.; 2% very poor, 6% poor, 14% fair, 57% good, 21% excellent. Peaches 98% harvested, 100% 1996, 100% avg. Peanuts, 23% harvested NA 1996, NA avg. Sweetpotatoes 2% harvested, 10%

1996.; 12% avg.; 1% poor, 10% fair, 88% good, 1% excellent. Watermelons 96% harvested, 96% 1996, 95% avg. Hay 81% harvested (warm season), 84% 1996, 84% avg.; 2% very poor, 7% poor, 27% fair, 54% good, 10% excellent. Cattle 1% very poor, 3% poor, 20% fair, 62% good, 14% excellent. Pasture 2% very poor, 6% poor, 21% fair, 59% good, 12% excellent. Activities: Spraying for insects, weed control, applying fertilizer, harvesting hay.

MISSOURI: Days suitable for fieldwork 4.2. Topsoil 4% very short, 23% short, 71% adequate, 2% surplus. Soybeans, sorghum, cotton are responding well to the improved moisture supply, moderate temperatures. All major row crops are continuing to develop ahead of normal. Soybean development is most advanced in the northwestern and north-central districts with 95% or more podding. Corn is most advanced in the Bootheel, where 39% is in the mature stage, while the crop is about 5% mature in the northern third of the State. Alfalfa 3rd crop 69%, 68% 1996, 63% avg. Pastures 6% very poor, 24% poor, 42% fair, 27% good, 1% excellent, as recent rains helped pasture growth to resume in most areas.

MONTANA: There were 6 days suitable for fieldwork. Topsoil 9% very short, 36% short, 54% adequate, 1% surplus. Subsoil moisture 8% very short, 35% short, 56% adequate, 1% surplus. Corn for silage harvested 4%, 4% 1996, 2% avg. Winter wheat 95% ripe, 100% 1996, 93% avg. Winter wheat harvested 75%, 88% 1996, 66% avg. Sawfly, grasshoppers continue to be a problem to small grain producers in some areas. Oats 97% turning, 100% 1996, 90% avg. Oats ripe 78%, 78% 1996, 65% avg. Oats harvested 34%, 45% 1996, 35% avg. Oats 1% very poor, 7% poor, 35% fair, 53% good, 4% excellent. Rain continues to hamper efforts to get hay cut, baled. Alfalfa hay 2nd cutting 55% complete, 69% 1996, 61% avg. Other hay cutting 92% complete, 97% 1996, 88% avg.

NEBRASKA: Days suitable for fieldwork 5.1. Subsoil 14% very short, 38% short, 46% adequate, 2% surplus. Topsoil 10% very short, 31% short, 56% adequate, 3% surplus. Below normal temperatures last week slowed crop development, while precipitation was common across most of the State. Spraying for insects (such as leaf hoppers spider mites, and 2nd brood corn borers) continued active. Corn 3% very poor, 6% poor, 28% fair, 48% good, 15% excellent; irrigation corn 77% good to excellent, dryland corn 35% good to excellent; 84% in dough, 69% 1996, 67% avg, 19% dented, 15% 1996, 23% avg. Soybean 2% very poor, 8% poor, 33% fair, 49% good, 8% excellent; 98% setting pods, 93% 1996, 88% avg, 2% turning color, 0% 1996, 4% avg. Sorghum 3% very poor, 10% poor, 37% fair, 46% good, 4% excellent; 94% headed, 92% 1996, 86% avg, 13% turning color, 13% 1996, 16% avg. Dry bean 5% poor, 36% fair, 49% good, 10% excellent; 98% set pods, 100% 1996, 20% turning color 27% 1996. Alfalfa 8% very poor, 23% poor, 39% fair, 28% good, 2% excellent; 49% 3rd cutting, 54% 1996, 52% avg.; Pasture 11% very poor, 26% poor, 29% fair, 31% good, 3% excellent. Some supplemental feeding, haying or grazing acres in northeast and central parts of State.

NEVADA: Precipitation was nil at all locations. Temperatures averaged a few degrees above normal at most locations with highs in the 90's north and 100's south. Irrigation water supplies adequate, surplus in some northeast areas. Pasture, range forage fair to excellent, mostly good. Alfalfa 2nd cutting virtually complete, 3rd cutting gaining momentum. Third cutting nearly complete extreme south. Other hay harvest nearly complete. Alfalfa seed harvest underway. Small grain harvest complete Fallon area, continues Yerington, Lovelock areas. Garlic harvest well along, onion harvest underway. Potatoes good. Main farm, ranch activities: Combining grain, haying, bulb harvests, irrigating, spraying.

NEW ENGLAND: Days suitable for fieldwork: 5.2. Topsoil 1% very short, 14% short, 77% adequate, 8% surplus. Subsoil 1% very short, 16% short, 77% adequate, 6% surplus. Pasture 2% very poor, 17% poor, 33% fair, 33% good, 15% excellent. Maine potatoes good. Massachusetts potatoes: 40% harvested, 40% 1996, 25% avg.; good. Rhode Island potatoes: 25% harvested, 10% 1996, 15% avg.; good to excellent. Oats in Maine: 5% harvested, 5% 1996, 30% avg.; good. Barley in Maine: 5% harvested, 20% 1996, good. Field corn good to fair. Sweet corn 60% harvested, 60% 1996, 60% avg.; good to fair.

Shade tobacco 95% harvested, 85% 1996; fair. Broadleaf tobacco 85% harvested, 75% 1996; fair to good. First cut hay 99% harvested, 95% 1996, 99% avg.; good to fair. Second cut hay 65% harvested, 70% 1996, 70% avg.; good to fair. Third cut hay 25% harvested, 15% 1996, 15% avg.; good to fair. Apples 10% harvested, 10% 1996, 5% avg.; fruit size avg.; good to excellent. Peaches 50% harvested; 60% 1996, fruit size avg.; good to fair. Pears 5% harvested, 5% 1996; fruit size avg.; good. Cranberries fruit size avg.; good to excellent. Highbush blueberries 70% harvested, 90% 1996; fruit size avg. to above avg.; excellent to good. Wild blueberries 75% harvested; 80% 1996, fruit size avg.; good. Soaking rain on Thursday, below avg. temperatures improved topsoil, subsoil moisture. Major farm activities: Harvesting cabbage, lettuce, zucchini, summer squash, green beans, peppers, tomatoes, blueberries, sweet corn, potatoes, oats, barley, early apples, peaches, pears, tobacco; spreading manure, fertilizer on cut fields; cutting hay; spraying for weed, insect control.

NEW JERSEY: Days suitable for fieldwork 5. The week was marked by torrential rains in south Jersey. Atlantic City airport received over 13 inches of rains in less than 24 hours causing major flooding. Farmers were unable to harvest fields that were under water. Also, some seedlings of fall lettuce, endive and escarole were washed away. Topsoil short to adequate with certain areas in south Jersey reporting surplus. The rains have also increased the potential for disease. Farmers are planting fall crops (spinach, cabbage, lettuce), harvesting summer items and implementing pest control measures. Harvesting of tomatoes, peppers, snap beans, potatoes occurring. Good volume of cucumbers, eggplant, green beans, peppers, squash, tomatoes, pickles, sweet corn, watermelon. Leafy greens are in light supply. Corn, soybeans benefited from the rains, except in areas where fields were flooded. Pasture fair to good. The peach harvest is near its peak. Harvesting of apples occurring.

NEW MEXICO: Days suitable for fieldwork 6.0. Topsoil 1% very short, 14% short, 79% adequate, 6% surplus. Fourth cutting of alfalfa reached 57% complete, fifth cutting 8% completed. Quality of hay is dropping due to wet weather this summer; 7% poor, 31% fair, 56% good, 6% excellent. Cotton crop is maturing slowly but is still slightly ahead of normal; 18% bolls open, 26% 1996, 11% avg.; 4% poor, 29% fair, 41% good, 26% excellent. Sorghum 11% poor, 33% fair, 55% good, 1% excellent; 69% headed, 45% 1996, 60% avg. Onion 97% complete, 100% 1996; 1% poor, 10% fair, 42% good, 47% excellent. Chile 1% poor, 22% fair, 45% good, 32% excellent. Corn 6% fair, 76% good, 18% excellent; 75% dough stage, 82% 1996. Fall lettuce planting continued with 98% of the fall crop planted by the end of last week. Cattle, sheep mostly good. The pecan crop is expected to rebound from a very poor year in 1996; 2% poor, 22% fair, 53% good, 23% excellent. Range, pasture feed continued to look good for this time of the year; 1% very poor, 3% poor, 22% fair, 67% good, 7% excellent.

NEW YORK: Days suitable for fieldwork 4.4. Soil moisture 5% very short, 41% short, 50% adequate, 4% surplus. Rain alleviated dryness. Pasture 2% very poor, 37% poor, 38% fair 23% good. Corn 29% fair, 71% good. Corn in early dent stage. Hay improved. Alfalfa 2nd cutting 94% complete, 90% 1996, 86% average. Third cutting 30% finished, 37% 1996, 33% avg. Oats 80% harvested, 78% 1996, 66% avg. Early potatoes being harvested. Vegetable harvest in full swing. Most crops fair to good. Peach harvest in high gear. Apple, pear harvest underway. Rainfall helped size fruit. Finger Lakes grapes good to excellent.

NORTH CAROLINA: Days suitable for fieldwork 6.2. In some areas crops are starting to lose yield potential from the prolonged dryness. Overall, most farmers would welcome a soaking rain at this stage of the season. Soil moisture 11% very short, 39% short, 49% adequate, 1% surplus. Activities: Irrigating, harvesting, marketing of flue-cured tobacco; harvesting burley tobacco; cutting silage; cutting hay; preparing for the corn harvest; scouting, spraying for insects on cotton, soybeans; harvesting truck crops, apples; maintaining pastures; tending livestock; repairing equipment.

NORTH DAKOTA: Days suitable for fieldwork 6. Soil moisture continued to decline leaving many late season crops in need of precipitation. Topsoil 15% very short, 42% short, 42% adequate, 1% surplus. Subsoil 8% very short, 35% short, 53% adequate, 4% surplus.

Favorable weather allowed small grain harvest to surpass the avg. pace. Late season crop development was boosted by last week's warm temperatures, while overall stages remained ahead of last year, avg. Durum wheat 91% turning and beyond, 19% combined; 76%, 18% last year; 78%, 13% avg. Canola 88% turning and beyond, 60% swathed and beyond, 12% combined; 80%, 49%, 9% last year; corn for grain 98% milk and beyond, 17% denting and beyond; 91%, 13% last year; 73%, 14% avg.; corn for silage 2% chopped, 1% last year, 1% avg.; dry edible beans 65% lower leaves yellowing and beyond, 28% mature leaves dropping and beyond, 2% cut; 52%, 25%, 1% last year; 42%, 18%, 1% avg.; flaxseed 89% turning and beyond, 11% combined; 67%, 3% last year; 64%, 2% avg.; potatoes 6% vines filled and beyond; 14% last year; 19% avg.; soybeans 92% fully podded and beyond, 15% lower leaves yellowing and beyond; 74%, 25% last year; 68%, 17% avg.; sunflower 99% blooming and beyond, 30% ray flowers dried/dropped and beyond; 97%, 19% last year; 92%, 23% avg. Emerged crop condition: Durum 10% very poor, 27% poor, 39% fair, 24% good; canola 3% very poor, 15% poor, 28% fair, 44% good, 10% excellent; corn for grain 5% poor, 19% fair, 55% good, 21% excellent; corn for silage 3% very poor, 15% poor, 35% fair, 37% good, 10% excellent; dry edible beans 7% very poor, 14% poor, 28% fair, 47% good, 4% excellent; flaxseed 3% very poor, 14% poor, 34% fair, 46% good, 3% excellent; potatoes 16% very poor, 14% poor, 22% fair, 42% good, 6% excellent; soybeans 2% very poor, 6% poor, 27% fair, 47% good, 18% excellent; sugarbeets 5% very poor, 9% poor, 17% fair, 55% good, 14% excellent; sunflower 3% very poor, 10% poor, 30% fair, 47% good, 10% excellent. Pasture conditions declined, rated 11% very poor, 30% poor, 37% fair, 21% good, 1% excellent.

OHIO: Days suitable for fieldwork 1.7. Topsoil 2% short, 65% adequate, 33% surplus. Corn in dough stage about 10 days ahead 1996; dented is 4 days behind the avg. Soybeans setting pods 10 points ahead of the avg. Oats harvested 1 point behind the avg. Alfalfa hay 30% 3rd cutting, 31% 1996, 39% avg. Other hay 85% 2nd cutting, 90% 1996, 87% avg.; 12% 3rd cutting, 15% 1996, 17% avg. Tobacco 52% topped; 5% harvested. Summer apples 36% harvested. Potatoes 7% harvested, 27% 1996, 27% avg. Processing tomatoes 3% harvested, 9% 1996, 17% avg. Activities: Mowing hay, ditches, winter wheat stubble, waterways, field edges, pastures; baling hay, straw; hauling, spreading manure on wheat stubble; land leveling; fall plowing, other types of field preparations; soil testing; preparing to plant alfalfa; scouting fields; spraying herbicides, pesticides; tiling fields; fence, building maintenance; repairing, preparing machinery for harvest; selling grain; taking animals to farm fairs; attending, preparing for county fairs, field days, different types of management shows. In the northern part: growers are harvesting cucumbers, peaches, cabbages. In the southern part: growers are harvesting sweet corn, peppers. Reported weed pressures: ragweed; Canadian thistles; iron weed; wild carrot; other grass, broadleaf weeds. Reported insects: European corn borer, corn rootworm in corn; bean leaf beetle, soybean cyst nematode, Mexican bean beetle in soybeans; Potato leafhopper in alfalfa. Reported diseases: some blights, crazy top, gray leaf spots in corn; sclerotinia stem rot, white mold in soybeans; blue mold in tobacco; late blight in tomatoes. Hay 2% very poor, 13% poor, 31% fair, 42% good, 12% excellent.

OKLAHOMA: Days suitable for fieldwork 3.4. Topsoil 5% very short, 7% short, 66% adequate, 22% surplus. Subsoil 4% very short, 7% short, 76% adequate, 13% surplus. Wheat 48% seedbed prepared, 41% 1996, 48% avg.; 5% planted, 1% 1996, 3% avg.; corn 14% mature, 20% 1996, 33% avg.; 2% harvested, 3% 1996, 4% avg.; sorghum 3% mature, 21% 1996, 8% avg.; soybeans 88% setting pods, 86% 1996, 57% avg.; 5% mature, 13% 1996, 10% avg.; peanuts 95% setting pods, 97% 1996, 87% avg.; 0% mature, 9% 1996, 5% avg.; cotton 80% setting bolls, 100% 1996, 92% avg.; alfalfa Hay 91% 3rd cutting, 93% 1996, 94% avg.; 21% 4th cutting, 24% 1996, 34% avg.; all other hay 96% 1st cutting, 93% 1996, 99% avg.; 21% 2nd cutting, 52% 1996, 86% avg.; watermelons 89% harvested, 91% 1996, n/a avg.; livestock 1% poor, 15% fair, 77% good, 7% excellent. Feeder steer prices up slightly.

OREGON: Days suitable for fieldwork 6.4. Topsoil 14% very short, 31% short, 55% adequate. Subsoil 8% very short, 28% short, 64% adequate. Barley harvested 67%, 58% 1996, 64% avg. Winter wheat

harvested 90%, 91% 1996, 92% avg. Activities: Eastside grain harvest started in Northeast, well underway in Klamath Basin. Mint harvest, haying continued across the region. Harvesting hay, mint, hops, sugarbeet seed on Westside. Wheat harvest nearly complete, seed bed preparation underway. Nurseries irrigating. Easter lily planting continues on South Coast. Willamette Valley: Vegetable harvest continued, green bean harvest finished in some areas, sweet corn on schedule. Early onions being pulled, cole crop harvest continued. Potato growers in the Klamath Basin applied blight sprays. Area sweet corn, fresh onions, carrot harvest continued. Willamette Valley: Evergreen blackberries, blueberries harvest continued, other caneberrys being pruned, trained. Pears, summer apples, peaches, nectarines being picked, plum harvest started. Everbearing strawberries look good, available at fresh produce stands still. Rogue River Valley Bartlett pear harvest continued along with peaches, plums. South Coast cranberries good to excellent. Hood River Valley Bartlett pears harvest continued in upper valley. Livestock good to excellent. Most westside pastures received rain, might start some regrowth, supplemental feed still needed.

PENNSYLVANIA: Days suitable for fieldwork 3.0. Soil moisture 4% very short, 17% short, 68% adequate, 11% surplus. Ensilage corn harvest 7% complete, 5% 1996, 3% avg. Soybean crop 3% very poor, 13% poor, 38% fair, 41% good, 5% excellent. Oat harvest 86% complete, 72% 1996, 83% avg. Barley planted 10% complete, 5% 1996, 3% avg. Tobacco harvest 8% complete, 27% 1996, 23% avg. Potato harvest 18% complete, 20% 1996, 22% avg. Alfalfa 2nd cutting 95% complete, 91% 1996, 89% avg. Alfalfa 3rd cutting 58% complete, 54% 1996, 48% avg. Alfalfa 4th cutting 19% complete, 11% 1996, 10% avg. Timothy clover 2nd cutting 66% complete, 64% 1996, 68% avg. Hay 5% very poor, 18% poor, 40% fair, 27% good, 10% excellent. Apple harvest 18% complete, 23% 1996, 16% avg. Peach harvest 57% complete, 56% 1996, 60% avg. Grape harvest 7% complete, 13% 1996, 12% avg. Fall plowing 23% complete, 16% 1996, 15% avg. Activities: Harvesting small grains; making hay, haylage; plowing fields; spraying tobacco; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 6.5. Soil moisture 6% very short, 48% short, 44% adequate, 2% surplus. Apples 11% poor, 26% fair, 58% good, 5% excellent. Corn 100% doughed, 100% 1996, 100% avg.; 91% matured, 86% 1996, 89% avg.; 37% harvested, 28% 1996, 29% avg.; 3% poor, 18% fair, 59% good, 20% excellent. Peaches 95% harvested, 97% 1996, 94% avg.; 26% poor, 41% fair, 29% good, 4% excellent. Snap Beans 98% harvested, 97% 1996, 98% avg.; 14% fair, 84% good, 2% excellent. Sorghum 13% harvested, 24% 1996, 22% avg.; 1% poor, 15% fair, 50% good, 34% excellent. Soybeans 80% bloomed, 92% 1996, 87% avg.; 46% pods set, 62% 1996, 56% avg.; 13% leaves turning color, 3% 1996, 2% avg.; 4% poor, 20% fair, 62% good, 14% excellent. Tobacco 77% harvested, 74% 1996, 70% avg.; 37% stalks destroyed, 20% 1996, 16% avg.; 2% poor, 11% fair, 73% good, 14% excellent.

SOUTH DAKOTA: Topsoil moisture 2% very short, 14% short, 76% adequate, 8% surplus. Subsoil moisture 8% short, 80% adequate, 12% surplus. Days suitable for fieldwork, 5.1. Major activities by farmers ranchers: Harvesting small grains, haying, fencing. Spring wheat 98% ripe, 97% 1996, 98% avg. Winter rye 92% harvested, 98% 1996, 95% avg. Flax 51% fair, 38% good, 11% excellent. Oats 98% ripe, 99% 1996, 99% avg. Barley 97% ripe, 99% 1996, 99% avg. Sunflower 1% poor, 14% fair, 55% good, 30% excellent, 93% blooming, 96% 1996, 92% avg.; Flax 81% ripe, 75% 1996, 50% avg. Corn 98% silked, 97% 1996, 95% avg. Alfalfa hay cut twice 84%, 90% 1996, 83% avg. Other hay harvested 95%, 91% 1996, 80% avg. Livestock 6% fair, 71% good, 23% excellent. Stock water supplies 4% short, 84% adequate, 12% surplus.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 3% very short, 21% short, 71% adequate, 5% surplus. Subsoil 4% very short, 27% short, 66% adequate, 3% surplus. Corn 2% very poor, 10% poor, 27% fair, 44% good, 17% excellent; 93% dough, 96% 1996, 95% avg.; 71% dent, 86% 1996, 75% avg.; 25% mature, 38% 1996, 26% avg.; 35% silage harvested, 41% 1996, 34% avg. Tobacco 5% very poor, 19% poor, 40% fair, 32% good, 4% excellent; 69% topped, 82% 1996, 85% avg.; 24% Burley harvested, 29% 1996, 29% avg.; 35% Air-cured

harvested, 40% 1996, 34% avg.; 33% fire-cured harvested, 35% 1996, 33% avg. Sorghum 3% poor, 31% fair, 61% good, 5% excellent; 98% headed, 92% 1996, 96% avg.; 59% coloring, 47% 1996, 60% avg. 9% mature, 14% 1996, 15% avg.; Pasture 14% poor, 35% fair, 44% good, 7% excellent. The main farm activity was topping and harvesting tobacco. Corn silage harvest is also ongoing. Corn, sorghum crop development is progressing at or near the five-year avg., while cotton, soybeans are below normal levels. Last week's early rainfall, followed by cool temperatures, was beneficial, slightly improved all crop condition. Nevertheless, farmers throughout the State continue battling insects, diseases, as pesticide application is ongoing.

TEXAS: Rain in northern areas, with hot, dry conditions in the central and southern areas. Frequent showers across the plains were beneficial, but slowed land preparation for small grain seeding. Harvest activity made good progress in the central and southern areas while under hot, open conditions. Rainfall spread over parts of the east, providing a boost to pastures. Hot, dry conditions in the coastal areas and Rio Grande Valley also made for good harvest progress. Livestock conditions remained basically good, given hot conditions over past few weeks. **Crops:** Small Grains: Land preparations continued in the High Plains and, between showers, some planting activity began. Land preparations also began in many other areas. Crop progress was 1% wheat planted, compared with 0% on this date in 1996 and the 2% avg. Corn: Fields in the High Plains continued to mature, with some silage harvest underway. Final watering occurred where necessary. Harvest operations increased in the Blacklands and Central areas under high temperatures. Harvest was winding down in the Coastal Bend, with progress increasing along the Upper Coast. Most fields in the Rio Grande Valley have been harvested. Development was 52% mature, compared with 62% in 1996 and the 57% avg. Crop progress was 34% harvested, compared with 53% in 1996 and the 48% avg. Cotton: Additional rainfall in the High Plains was beneficial as many plants continued to set bolls. With bolls setting, came increased insect activity. Bolls were rapidly opening, with hot weather in the Blacklands and central areas. Harvest increased along the Upper Coast, Coastal Bend, and Rio Grande Valley, with little or no weather delays. Crop progress was 6% harvested, compared with 12% in 1996 and the 12% avg. Grain Sorghum: Fields in the plains continued to make good progress, with early fields turning color. Greenbug activity increased in some fields. Ergot found some fields. Harvest expanded into more fields in the Low Plains. Harvest was winding down in the Blacklands and central areas, with many grain elevators at or near capacity. Harvest was virtually completed in the Coastal Bend and Rio Grande Valley. Crop development was 51% mature, compared with 59% in 1996 and the 64% avg. Crop progress was 42% harvested, compared with 55% in 1996 and the 58% avg. Peanuts: Fields from the plains to the south made good progress. Final watering was applied to some fields in the Low Plains. Rice: Harvest on what most producers were calling an average crop continued along the Upper Coast. Many more fields were drained for harvest preparation. Soybeans: Fields in the High Plains continued to show good growth and development. Harvest continued along the Upper Coast, with some fields not yielding well because of poor pod filling. Sugarbeets: Fields continued to make good progress in the High Plains.

Commercial Vegetables: In the Rio Grande Valley, land preparations and some planting occurred during the week. In the San Antonio-Winter Garden, land preparations continued. In the High Plains, harvest was delayed by scattered rain. In the east, sweetpotatoes continued to make good progress. Harvest is expected to begin in some fields soon. In the Trans-Pecos, cantaloupe harvest was delayed by scattered rain showers. Harvest quality and quantity continued to be good. Pecans: Spraying scab and weevils continued in many groves. Nut droppage and limb breaking were evidence of good crop in many areas. Dry conditions may cause additional drop.

Range and Livestock: Rains across parts of the east are expected to ensure additional cuttings for hay, while pastures in the central and southern areas continued to decline under very hot, mostly dry conditions. Livestock was mostly good despite drop pasture conditions in dryer areas. Extreme heat adversely affected the poultry industry in the east.

UTAH: Days suitable for fieldwork 6. Topsoil 23% short, 66% adequate, 11% surplus. Subsoil 26% short, 66% adequate, 8% surplus.

Pasture, range 2% very poor, 4% poor, 15% fair, 62% good, 17% excellent. Irrigation water 16% short, 79% adequate, 5% surplus. Stock water supply 15% short, 85% adequate. Winter wheat harvested 89%, 95% 1996, 90% avg. Spring wheat harvested 85%, 83% 1996, 79% avg. Barley harvested 80%, 88% 1996, 81% avg. Oats harvested for grain 59%, 65% 1996, 54% avg.; harvested for hay or silage 87%, 91% 1996, 95% avg. Corn silked 84%, 91% 1996, 90% avg.; doughed 40%. Alfalfa hay 2nd cutting 95%, 100% 1996; 3rd cutting 25%, 51% 1996, 31% avg. Peaches picked 54%, 51% 1996, 48% avg. Pears picked 26%. Major farm, ranch activities were: Harvesting hay, combining small grains, picking fruit.

VIRGINIA: Days suitable for fieldwork 5.3. Topsoil 14% very short, 35% short, 50% adequate, 1% surplus. Subsoil 15% very short, 49% short, 35% adequate, 1% surplus. Corn 95% silked, 96% 1996, 98% avg.; 62% dough, 69% 1996, 74% avg.; 35% dent, 44% 1996, 51% avg.; 15% mature, 21% 1996, 26% avg.; 12% corn silage harvested, 7% 1996, 11% avg.; 9% very poor, 26% poor, 41% fair, 23% good, 1% excellent. Soybeans 76% bloomed, 78% 1996, 80% avg.; 51% setting pods, 54% 1996, 56% avg.; 11% very poor, 24% poor, 36% fair, 26% good, 3% excellent. Cotton 9% very poor, 17% poor, 29% fair, 40% good, 5% excellent. Summer Apples 71% harvested, 58% 1996, 59% avg.; 5% poor, 53% fair, 40% good, 2% excellent. Peaches 68% harvested, 69% 1996, 75% avg. Flue tobacco 22% harvested, 37% 1996, 37% avg.; 3% very poor, 7% poor, 28% fair, 48% good, 14% excellent. Burley tobacco 4% very poor, 13% poor, 36% fair, 36% good, 11% excellent. Dark fire cured tobacco 8% poor, 48% fair, 36% good, 8% excellent. Sun cured tobacco 12% poor, 70% fair, 18% good. Peanuts 4% very poor, 6% poor, 33% fair, 46% good, 11% excellent. Summer potatoes 100% harvested, 100% 1996, 100% avg. Pasture 13% very poor, 33% poor, 38% fair, 16% good. Alfalfa 4% very poor, 18% poor, 41% fair, 35% good, 2% excellent. Other Hay 4% very poor, 34% poor, 47% fair, 15% good. Overall moisture supply levels, field conditions throughout the State improved from last week. Widespread general rains gave short-term relief to most crops, but more rain is needed. Pasture conditions improved with the recent rain. However, livestock producers in some localities are feeding hay as pastures are running short. Some localities are still concerned about getting a 2nd cutting of hay after a late first cutting followed by dry weather. Corn is showing signs of insect damage in some localities. Many producers are also concerned about forage supplies, for the upcoming winter, with the short pastures, reduced hay supplies. Recent rains have increased the potential for cracking in some apple varieties, especially stamens. Producers are busy spraying, topping, harvesting and marketing tobacco, scouting, spraying corn, soybeans, peanuts, cotton. Other activities include vegetable harvesting, marketing livestock. Farmers busy with equipment maintenance.

WASHINGTON: Days suitable for fieldwork 6.7. Topsoil 2% very short, 36% short, 62% adequate; subsoil 1% very short, 9% short, 90% adequate. Dry pea harvest progressed ahead of normal and dry bean harvest continued. Wheat, barley harvests neared completion, producers worked stubble, began preparing ground for winter wheat planting. Corn 100% good. Potatoes, 6% fair, 91% good, 3% excellent. Potatoes 22% harvested, 20% 1996, 17% avg. Hay, other roughage supplies, 6% short, 79% adequate, 15% surplus. Progress on the 3rd cutting of alfalfa was mixed across the State. Northeastern Washington was either just underway or yet to begin, whereas the rest of the State reported that the 3rd cutting neared completion. Second cutting of timothy hay began, with rain catching some producers with hay in the

swath. Range, pasture, 12% very poor, 9% poor, 39% fair, 40% good. Pastures continued to dry down, but were holding up well overall. Fruit harvest progressed well with peaches, nectarines, Bartlett pears all being harvested. Apples harvested included Gingergold, Gala, Golden varieties. Blueberry harvest began to wind down. Sunburn was reported as slightly greater than normal. Western Washington reported that a wide variety of vegetables continued to be harvested. Tomatoes suffered extensively from late blight and many were removed. Sweet corn harvesting continued as corn grew rapidly in response to hot temperatures. Mint harvest continued.

WEST VIRGINIA: Days suitable for fieldwork 3.3. Topsoil 10% short, 83% adequate, 7% surplus. Corn 5% very poor, 24% poor, 33% fair, 32% good, 6% excellent; 91% silking, 86% 1996, 95% avg.; 35% dough stage, 62% 1996, 63% avg.; 12% dent stage, 19% 1996. Hay 1% very poor, 14% poor, 24% fair, 57% good, 4% excellent; 2nd cutting 70%, 61% 1996, 67% avg.; 3rd cutting 19%, 19% 1996, 39% avg. Oats 85% harvested, 92% 1996, 92% avg. Soybeans 6% poor, 52% fair, 42% good; 98% blooming, 95% 1996, 91% avg.; 86% setting pods, 75% 1996, 79% avg. Tobacco 5% poor, 50% fair, 45% good; 85% topped, 90% 1996, 90% avg.; 15% harvested, 7% 1996, 15% avg. Black Shank reported in some fields. Apple 56% fair, 37% good, 7% excellent. Cattle 3% poor, 23% fair, 63% good, 11% excellent. Sheep 3% poor, 22% fair, 63% good, 12% excellent. Activities: Making hay, harvesting oats, peaches, topping, harvesting tobacco, repairing fences, clipping pastures.

WISCONSIN: Days suitable for fieldwork: 2.7. Soil moisture 3% short, 78% adequate, 19% surplus. Reporters commented that it was difficult to make hay due to poor drying conditions, wet fields made it hard to combine oats. Cool weather slowed the ripening of oats in many areas of the State. A reporter from Pierce County noted oat yields that avg. 50-60 bushels/acre, with test weights above avg. at 31-34 pounds. Harvesting of third crop hay came in at 18% finished. A Fond du Lac County reporter stated that 3rd crop alfalfa is good, but hard to harvest. Those farmers with 3rd crop yet to cut should get good growth, if warm weather arrives. Growing degree days last week were the lowest, statewide, since June 1. Every district is below the normal heating units. Soybeans 89% with pods set, compared to 62% last year. Soybean 1% poor, 13% fair, 54% good, 32% excellent. Soybean leaf color was at 2% turned, compared to none last year. A reporter from Iowa County observed pod count on soybean plants at 15 to 40 per plant. The cherry crop in Door County was reported high in quality and quantity. Tobacco harvest was underway in Vernon and Dane counties. Early yields on sweet corn in Dodge County reached 7.5 tons/acre. Apples are ripening at an avg. rate observed a Lincoln County reporter. A Marathon County reporter noted red potatoes, early varieties being harvested. Pasture feed 3% poor, 17% fair, 60% good, 20% excellent.

WYOMING: Days suitable for fieldwork 6.2. Topsoil 20% short, 79% adequate, 1% surplus. Winter wheat 98% harvested, 97% 1996, 91% avg. Producers just starting to plant 1998 winter wheat crop. Barley 89% mature, 85% 1996, 88% avg.; 63% harvested, 61% 1996, 64% avg. Oats 86% mature, 79% 1996, 75% avg.; 42% harvested, 41% 1996, 40% avg. Spring wheat 95% mature, 70% 1996, 77% avg.; 37% harvested, 46% 1996, 46% avg. Corn 92% dough, 62% 1996, 38% avg.; 4% dented, 19% 1996, 12% avg. Dry beans 99% setting pods, 99% 1996, 95% avg.; 57% leaves turning color, 70% 1996, 45% avg. Alfalfa 63% 2nd cutting complete, 71% 1996, 60% avg. Other hay harvested 83% complete, 85% 1996, 86% avg. Stock water supplies 5% short, 92% adequate, 3% surplus. Range and pasture 2% poor, 15% fair, 68% good, 15% excellent.

International Weather and Crop Summary

August 17 - 23, 1997

HIGHLIGHTS

FSU-WESTERN: Warm, dry weather helped harvest activities in Russia, Ukraine, Belarus, and the Baltics.

FSU-NEW LANDS: Light showers favored immature spring grains in Russia, while dry weather helped harvest activities in Kazakstan.

EUROPE: Unseasonably warm, dry weather in northern Europe allowed rapid winter and spring grain harvesting and promoted summer crop development.

EASTERN ASIA: The remnants of Typhoon Winnie brought significant drought relief to the eastern North China Plain, stabilizing soybean and cotton yield prospects.

SOUTH ASIA: Showers returned to central India, but dry pockets continued over important crop regions of the northwest and southern interior.

CANADA: Scattered showers benefited immature spring grains and oilseeds but hampered harvesting.

SOUTHEAST ASIA: Dry weather returned to Java, reducing moisture for rainfed second-season crops. Showers boosted moisture supplies for main-season crops in most of Thailand and the western Philippines.

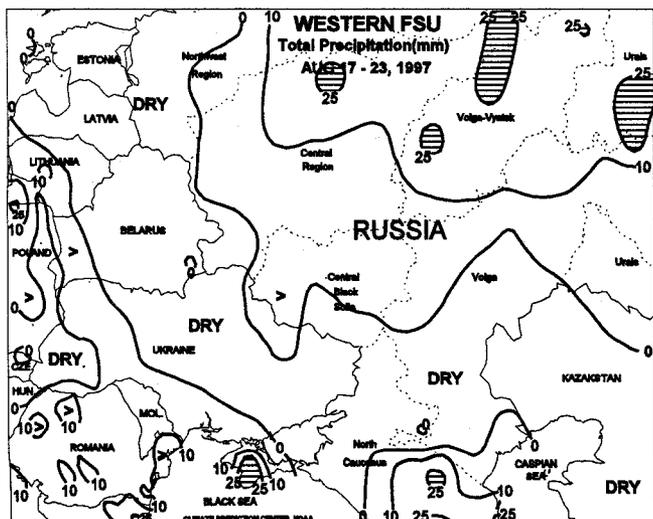
AUSTRALIA: Drier weather returned to the west and southeast as crop moisture demands increased in Queensland.

SOUTH AMERICA: In Argentina, rain brought relief to Santa Fe, but Cordoba remained dry. In southern Brazil, widespread rain aided reproductive wheat.

MEXICO: Below-normal showers reduced soil moisture and increased stress for filling corn across the western corn belt.

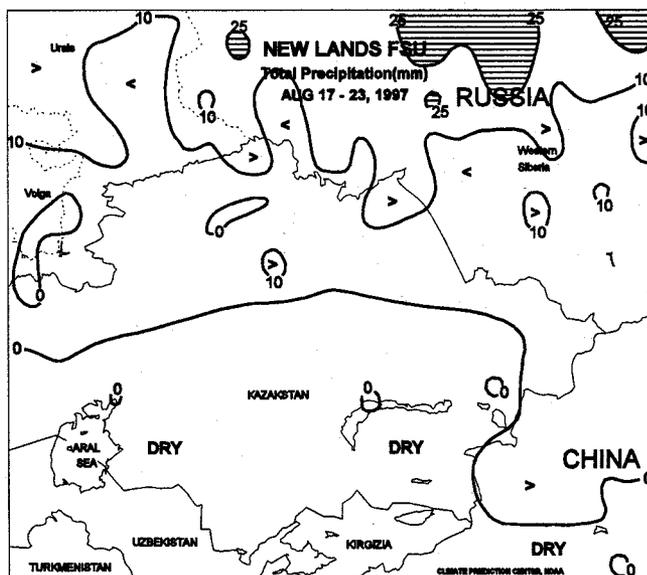
FSU-WESTERN

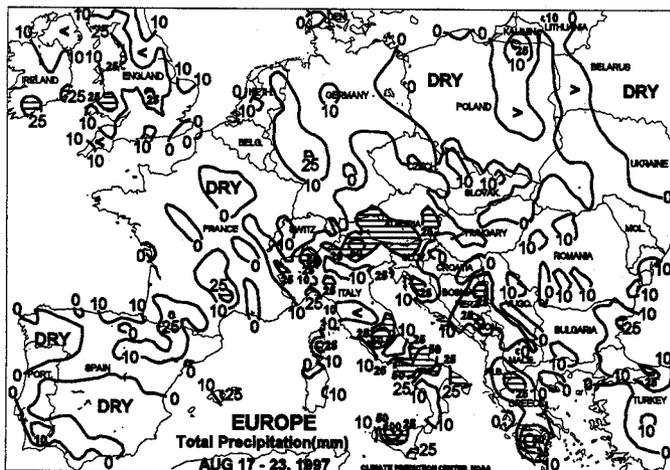
In Ukraine, mostly dry weather allowed winter and spring grain harvesting to progress toward completion. A warming trend occurred during the week, helping to promote the development of corn, sunflowers, and sugar beets. In Russia, dry weather prevailed over a large portion of the region (Northwest Region, southern Central Region, Central Black Soils region, Volga Valley, and the North Caucasus), helping winter and spring grain harvesting. Light showers (10-25 mm) were confined to the northern portion of the Central Region and the Volga Vyatsk region. Reports as of August 25 indicated that 46 percent of small grains and pulses, excluding corn, were harvested in Russia, compared with 55 percent last year. Preparations for planting the 1998 winter grain crop were likely underway in northern Russia. Typically, planting begins in northern areas in mid-August and progresses southward in September. Elsewhere, dry weather was accompanied by seasonable temperatures in Belarus and the Baltics, allowing the winter and spring grain harvest to progress at a rapid pace.



NEW LANDS

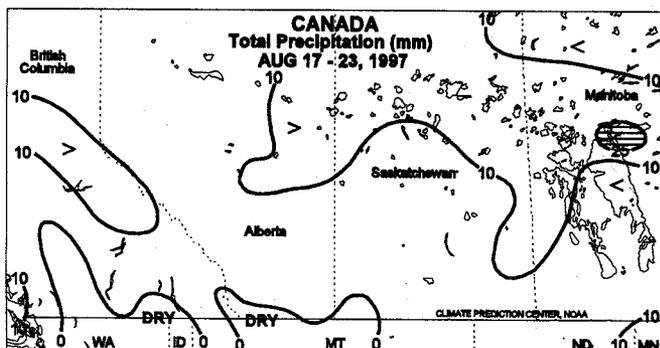
In Russia, spring grains were filling in most areas, except in the southern Urals and the Altay Kray region where crops were maturing. Light to moderate showers (5-25 mm) benefited immature crops from the northern Urals eastward through Siberia. In Kazakstan, dry weather helped spring grain harvesting, and reports indicated that harvesting has begun in principal grain-producing areas in the north. In cotton-growing areas of Central Asia, hot, dry weather promoted rapid cotton development. Weekly temperatures averaged 2 to 4 degrees C above normal throughout Central Asia. Typically, cotton harvesting begins in mid-September and continues through November.





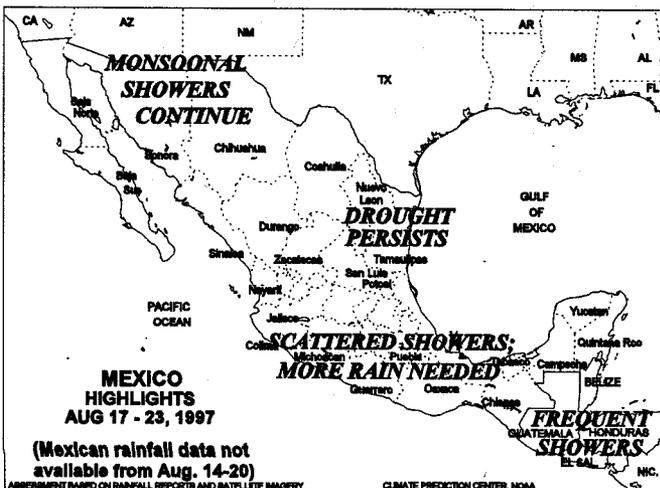
EUROPE

The second consecutive week of unseasonably warm, mostly dry weather prevailed over northern Europe, including Scandinavia and Poland, allowing rapid winter and spring grain harvesting, and promoting summer crop development. Scattered showers (10-23 mm) fell in southern France and northern Italy, providing some moisture for grain-filling corn. However, unseasonably warm weather (weekly temperatures averaging 3-6 degrees C above-normal) increased crop-water requirements. Elsewhere, light, if any, precipitation (less than 10 mm) occurred in Slovakia, Hungary, Romania, eastern former Yugoslavia, and Bulgaria, causing only brief delays in late winter and spring grain harvesting. Abundant soil moisture reserves in these areas favored summer crops in the filling stage. Unseasonable rains fell in southern Italy and Greece, where precipitation amounts ranged from 10 mm to locally more than 50 mm. Weekly temperatures averaged 2 to 6 degrees C above normal in most of Europe except in the southeast, where temperatures averaged 1 to 3 degrees C below normal.



CANADA

Scattered, light to moderate showers (2-20 mm) covered the main Prairie crop areas. Rain in the northeast was beneficial for immature spring grains and oilseeds, but across southern growing areas, showers caused some harvest delays. Temperatures fluctuated during the week, with an early-week cool outbreak (lows dipping below 5 degrees C in spots) giving way to summer heat by week's end. Highs in the low to middle 30's C from central Alberta to southwestern Manitoba aided ripening. Farther east, cool, wet weather (temperatures 2-3 degrees C below normal, rainfall totaling 25-63 mm) covered the main agricultural areas of Ontario and Quebec. While benefiting locations that needed moisture, the rain disrupted late winter wheat harvests and raised concern for summer crop quality. Heating units have been below normal all season in the east, and a return to warmer conditions would be welcomed.

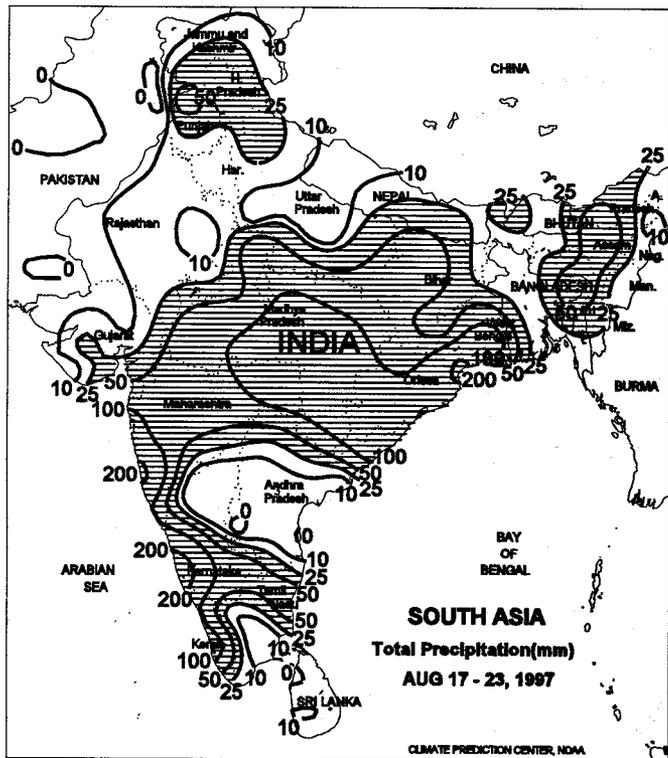


MEXICO

Based on satellite imagery (due to incomplete weather data), mostly scattered showers brought only limited relief to filling corn across the western main corn belt. Monsoon showers increased moisture across northwestern Mexico, as the drought continued across northeastern Mexico.

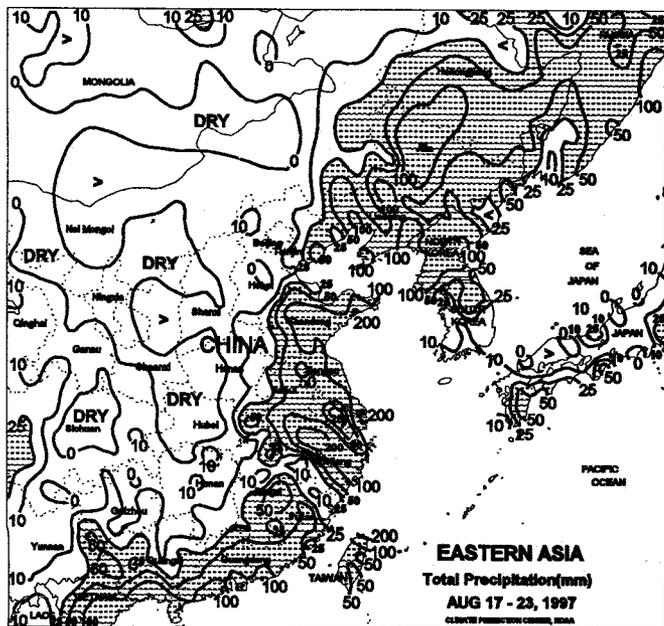
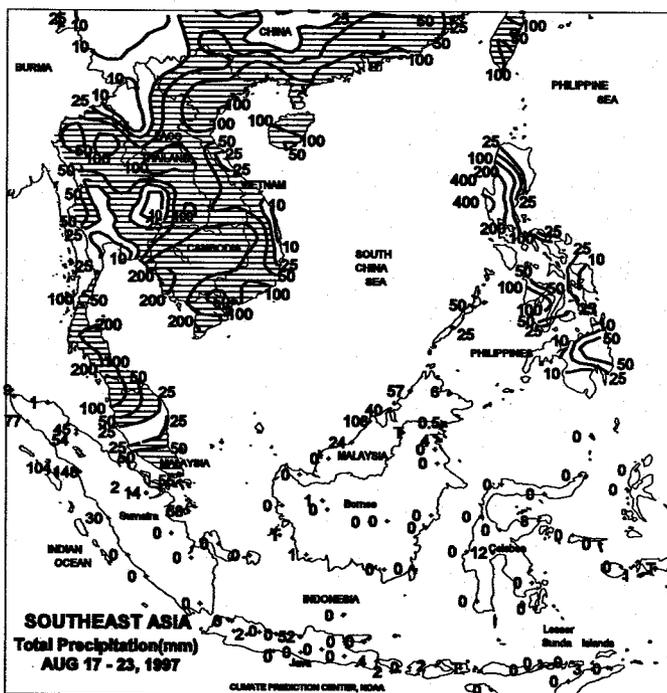
SOUTH ASIA

Moderate to heavy showers (25-50 mm or more) returned to central India, boosting moisture reserves for the region's oilseeds, cotton, coarse grains, and sugarcane. Heavy rain (50-100 mm or more) continued over India's eastern rice areas, with amounts in excess of 100 mm returning to rainfed sections of Madhya Pradesh and Maharashtra. In contrast, unseasonable warmth and dryness covered primary crop areas of Andhra Pradesh and Gujarat. Monsoon showers have been sporadic in these states, and a more consistent rainfall pattern is needed to boost crop prospects. In the north, showers were unseasonably sparse from Pakistan to Uttar Pradesh. The southwest monsoon, which typically begins its seasonal withdrawal from this region in about 3 weeks, has not become firmly established in its northernmost reaches this season. Fortunately, however, much of this area's cotton and rice are irrigated.



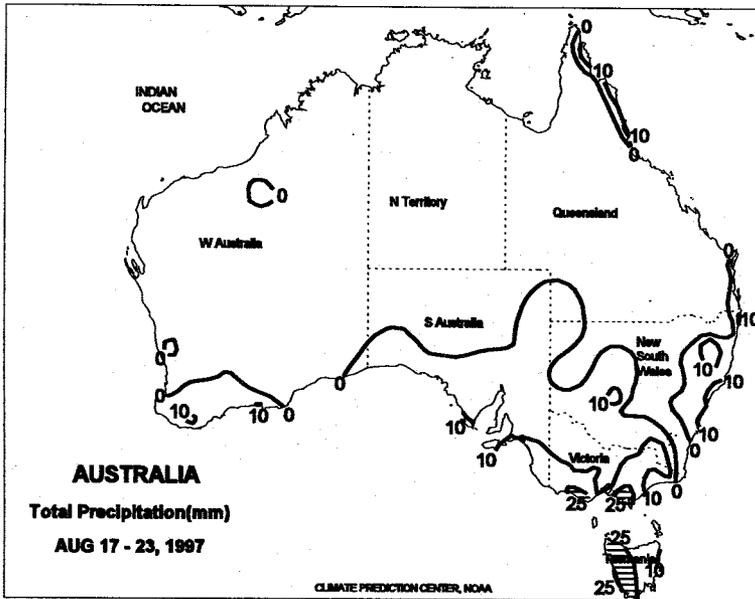
SOUTHEAST ASIA

Dry weather returned to most of Java, reducing moisture for second-season crops. Only scattered, light rain was reported in the north. Moderate to heavy showers (25-75 mm) covered northern and eastern Thailand, increasing moisture supplies for main-season crops. Rainfall remained unseasonably light (less than 20 mm) across south-central Thailand, reducing yield prospects for rainfed corn. Widespread showers (25-125 mm) covered the Philippines, boosting moisture for main-season crops. Heavier amounts (200-400 mm) were reported along western Luzon, causing some flooding. Excessive showers (100-225 mm) also caused some flooding across peninsular Thailand and more moderate showers (20-40 mm) brought relief to oil palm across peninsular Malaysia. Typhoon Zita hit northern Vietnam, after brushing the southern Chinese coast, on August 22 with sustained winds of 65 to 75 knots (75-86 mph). The storm helped to produce heavy showers (100-150 mm), maintaining abundant moisture supplies for 10th month rice, but causing local flooding.



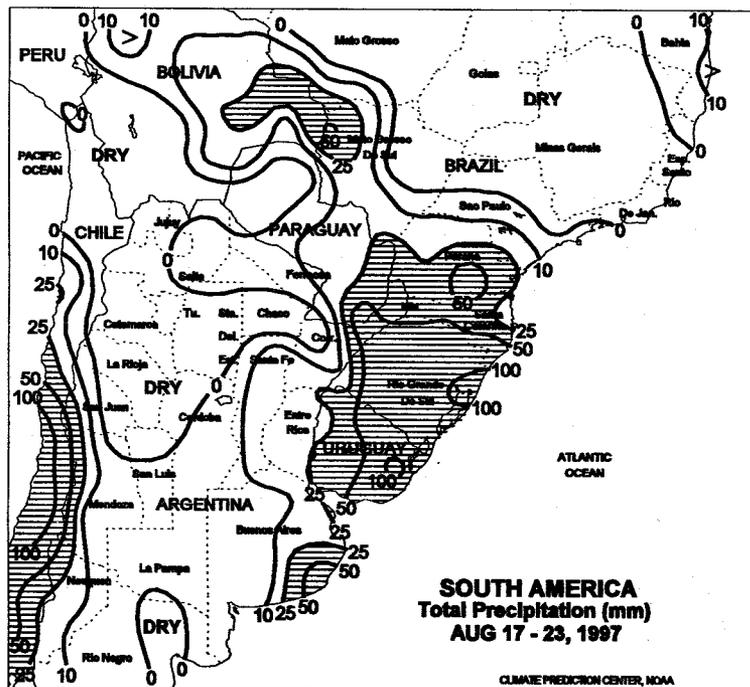
EASTERN ASIA

Typhoon Winnie hit the coast of the lower Yangtze Valley (Zhejiang) on August 18, with sustained winds of 75 knots (86 mph). The storm caused little, if any, coastal crop damage. The remnants of Winnie then swept across the eastern North China Plain and Manchuria, bringing widespread rain (25-100 mm). The showers brought significant drought relief to soybeans, cotton, and corn in the eastern North China Plain and maintained favorable moisture supplies in Manchuria. However, central western Henan and portions of southern Hebei received less than 10 mm, further stressing summer crops. Mostly dry weather (less than 10 mm) favored maturing summer crops across the coastal provinces of southern China. Typhoon Zita brushed Guangdong and Guangxi on August 22 and 23, helping to produce heavy showers (100-150 mm) and flooding along coastal sugarcane fields. Showers (50-150 mm) boosted soil moisture across North Korea, stabilizing corn and rice yield prospects. Light, scattered rain (10-25 mm) was reported across Japan.



AUSTRALIA

Drier weather dominated the region, although light to moderate showers (3-18 mm) returned late in the week to winter grain areas of South Australia and Victoria. Temperatures averaged near to below normal across the west and southeast, with frost and sub-freezing temperatures restricting development. In east-central Australia, warm, dry weather prevailed over Queensland, enhancing growth of barley and wheat. With winter grains approaching reproduction, this region requires additional topsoil moisture to sustain crop yield potentials. In New Zealand, light to moderate showers (5-35 mm) covered the main agricultural areas.



SOUTH AMERICA

In Argentina, rain (5-30 mm) increased topsoil moisture for wheat planting and germination across southern Santa Fe, but mostly dry weather continued across southern Cordoba. Light rain (2-10 mm) favored germinating wheat in Buenos Aires, with heavier amounts (25-60 mm) in the southeast corner of the state. In southern Brazil, widespread showers (15-60 mm, with isolated amounts greater than 75 mm) favored reproductive to filling wheat. However, drier weather is needed to reduce wheat disease potential. Temperatures averaged near to slightly below normal in Argentina and 3 to 5 degrees C above normal in southern Brazil.

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