

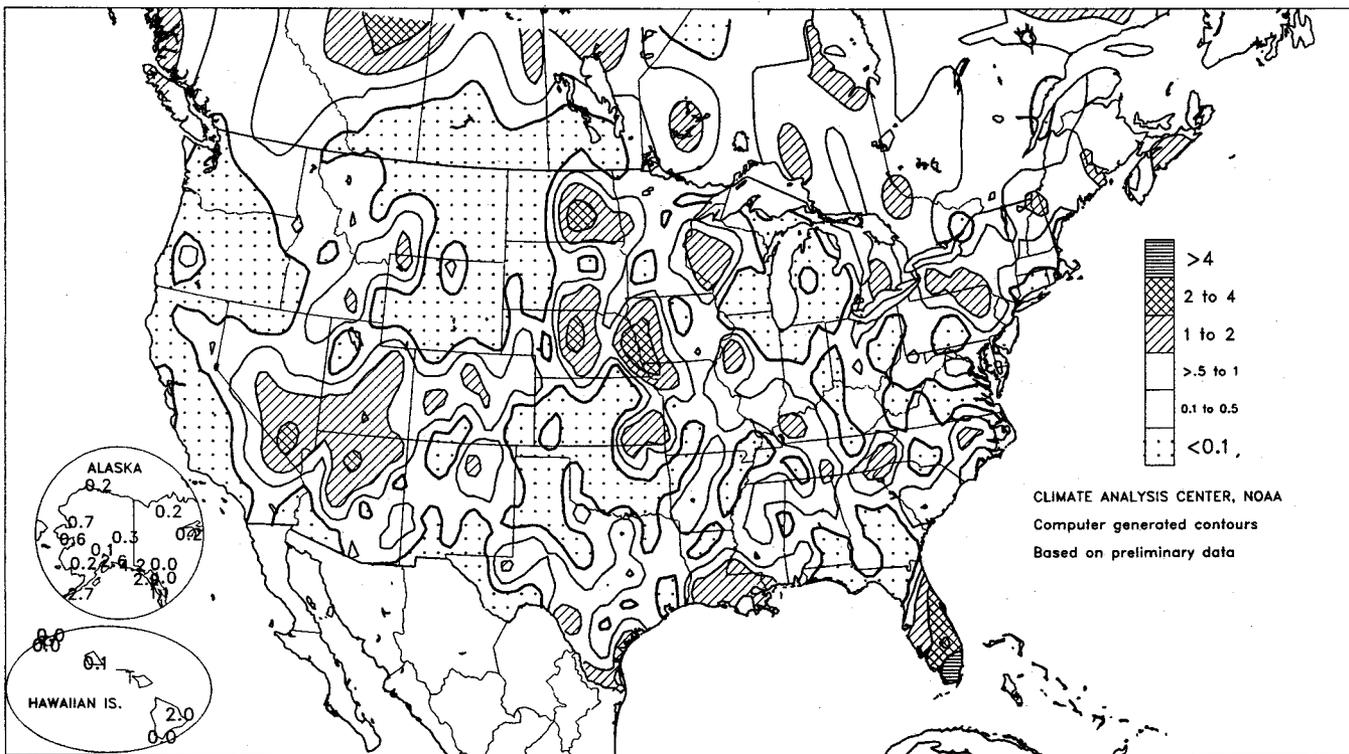
WEEKLY WEATHER AND CROP BULLETIN

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 31 - SEP 6, 1997



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

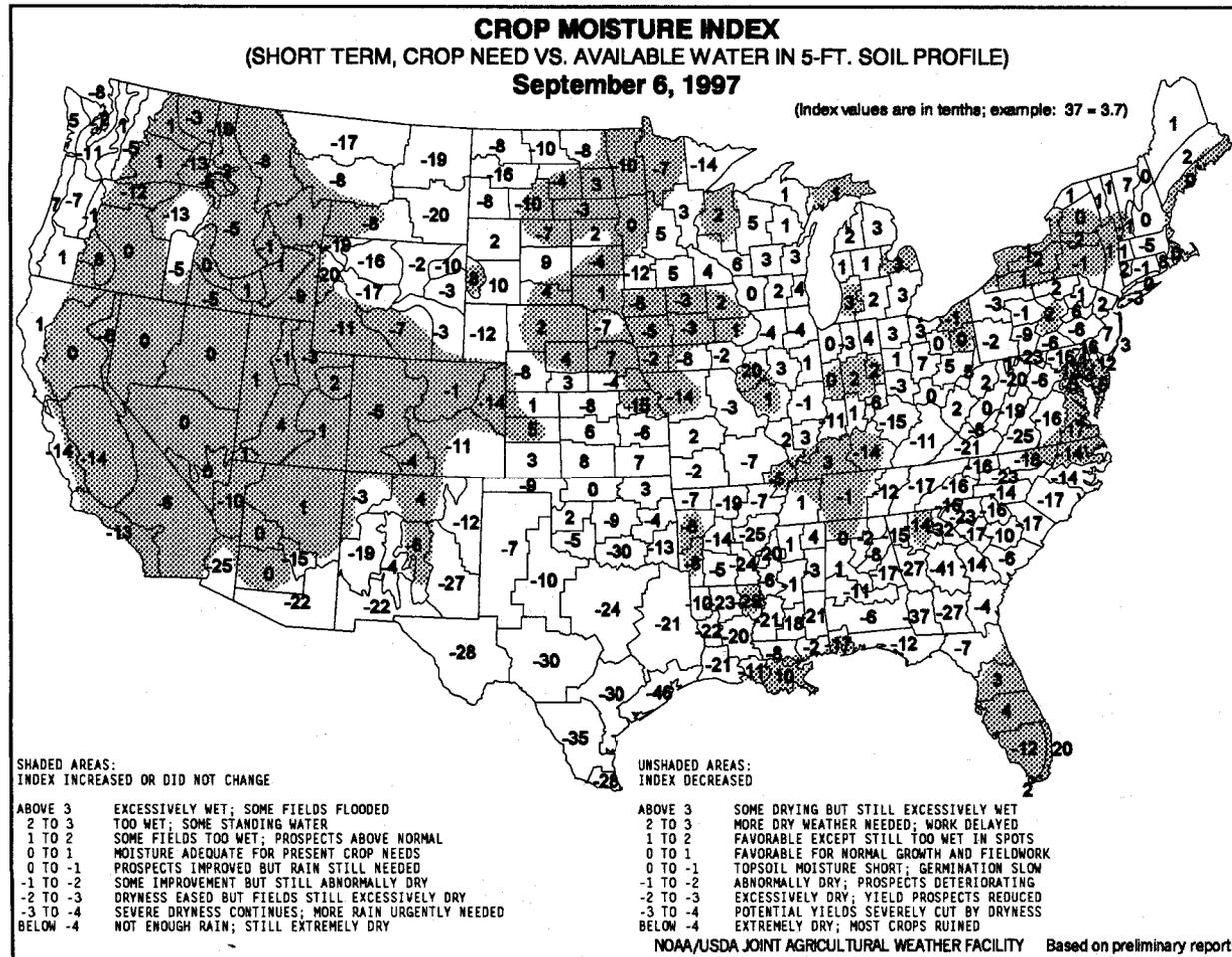
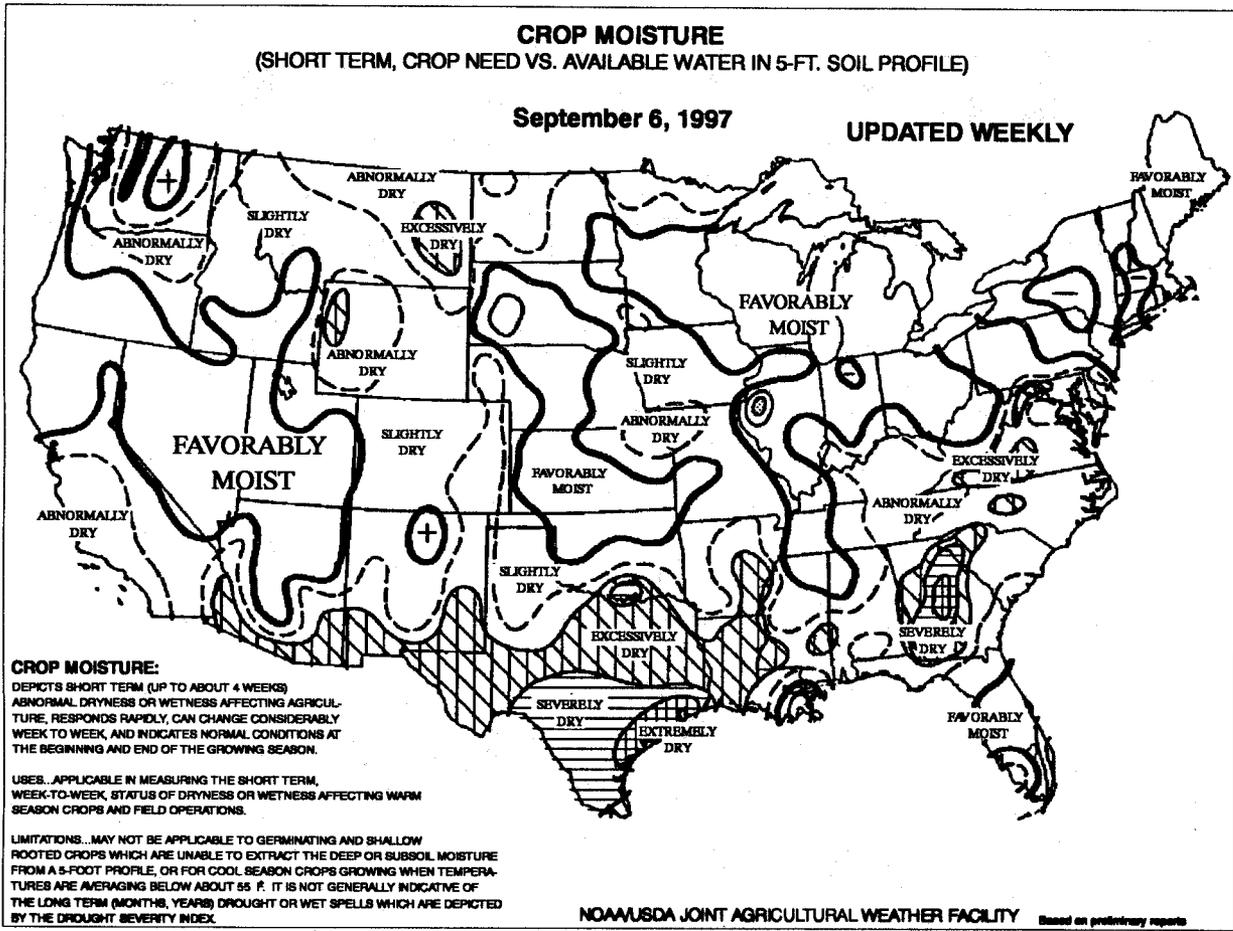
HIGHLIGHTS

August 31 - September 6, 1997

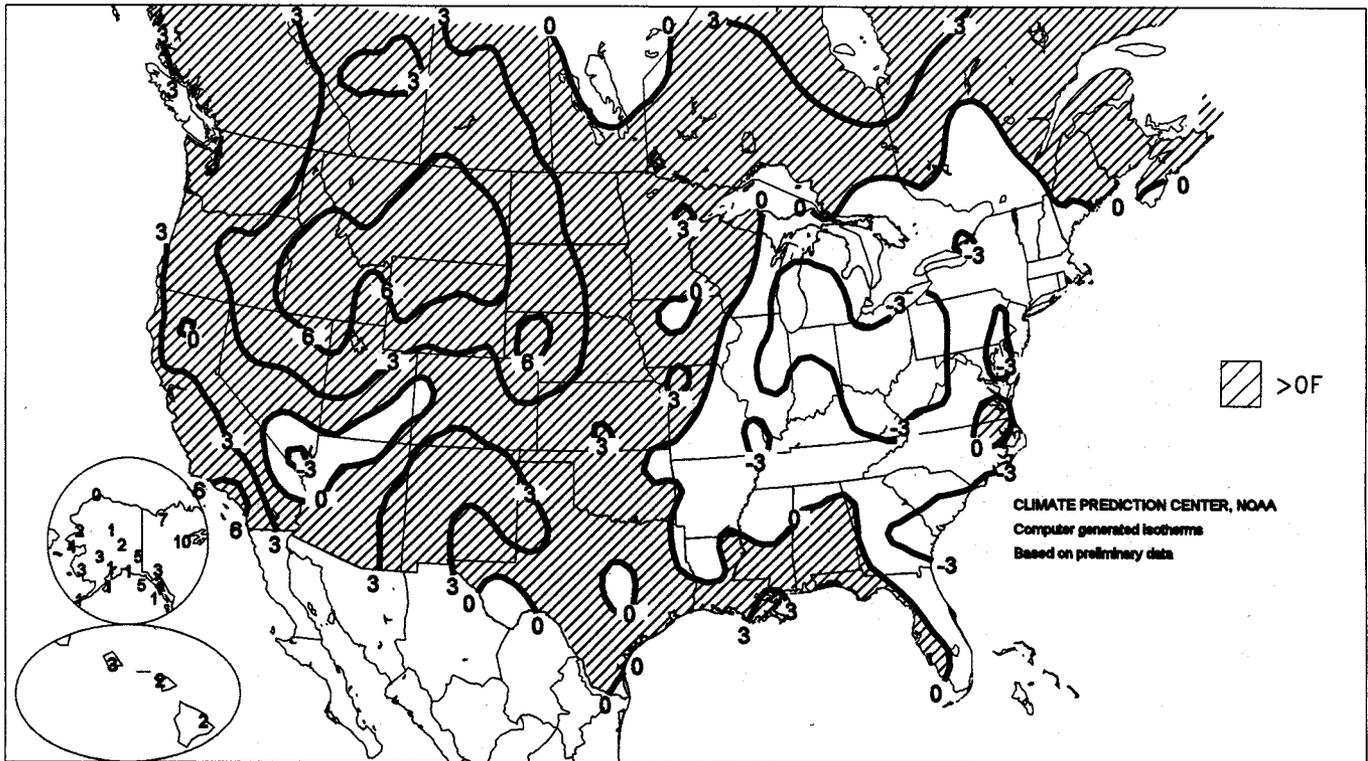
Dryness continued in the Southeast through a fifth consecutive week, despite the passage of a strong cold front that delivered more than 100 daily-record lows to the Midwestern and Southeastern States from September 4-6. Corn Belt crops were not affected by the cool snap, which produced scattered frost from the northern Red River Valley to Lower Michigan on September 3 and 4. Heavy rainfall in advance of the cool air was confined to scattered locations in the upper Midwest and northern and central Plains. Elsewhere, widespread monsoonal thunderstorms peppered the Southwest, while heavy rain soaked southern Florida. Weekly temperatures ranged from 4 to 9°F above
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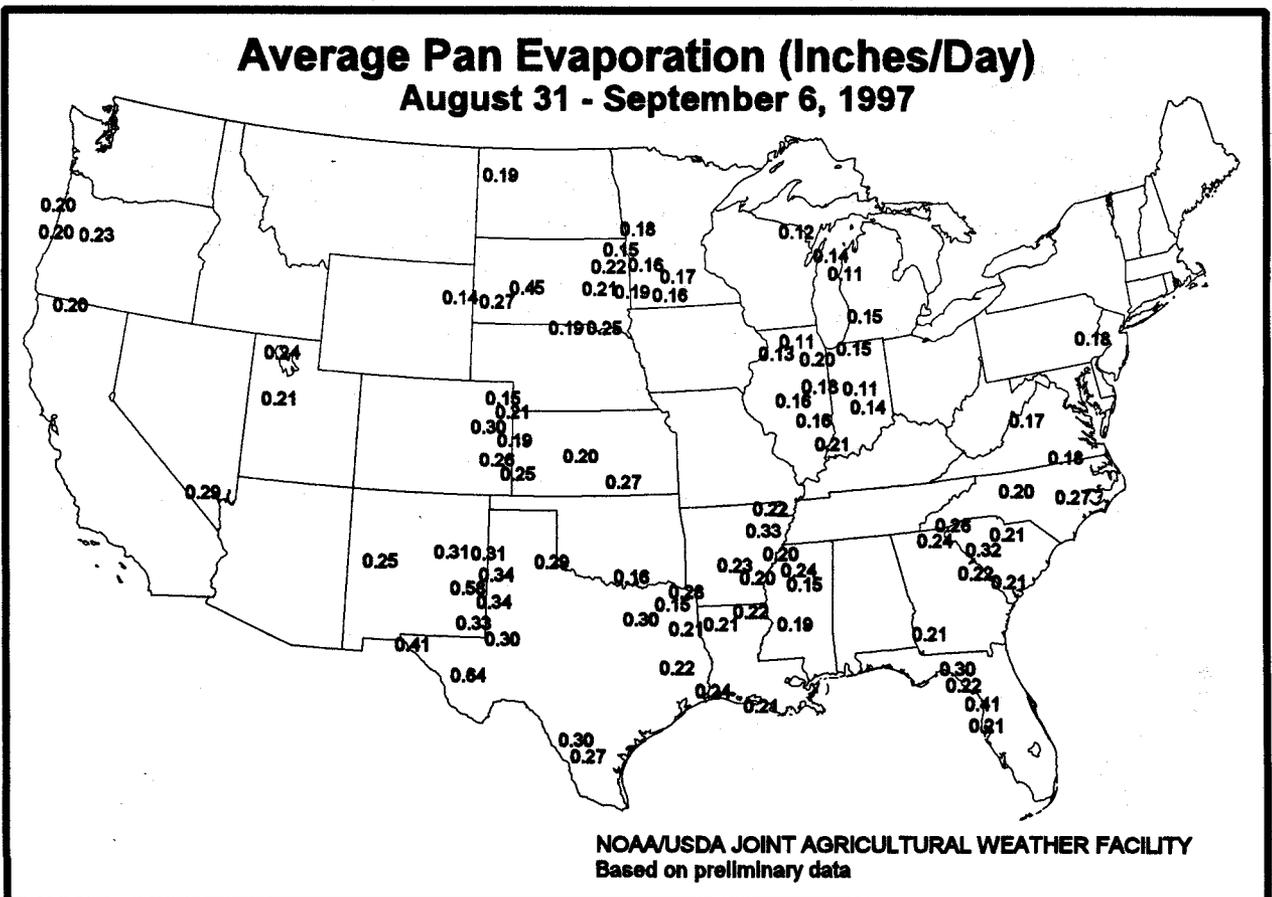
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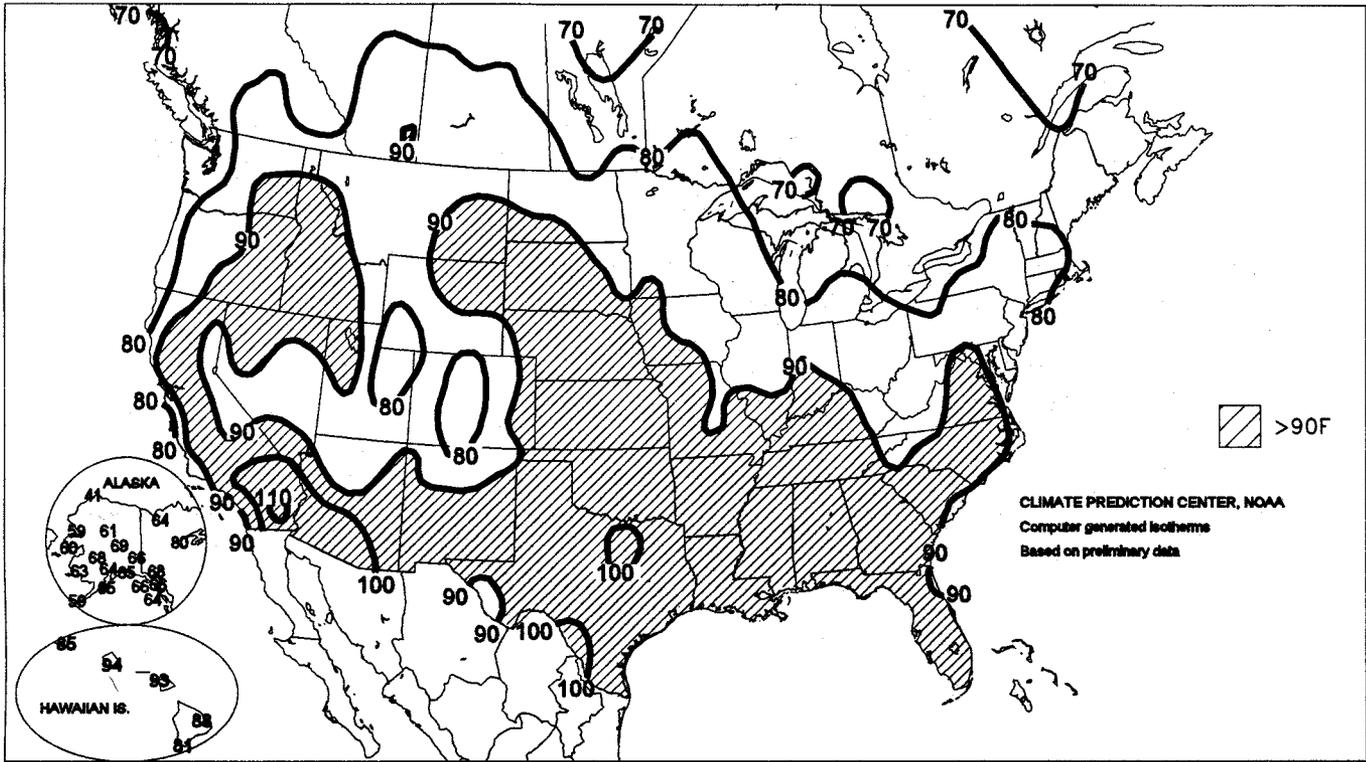
Departure of Average Temperature from Normal (°F) AUG 31 - SEP 6, 1997



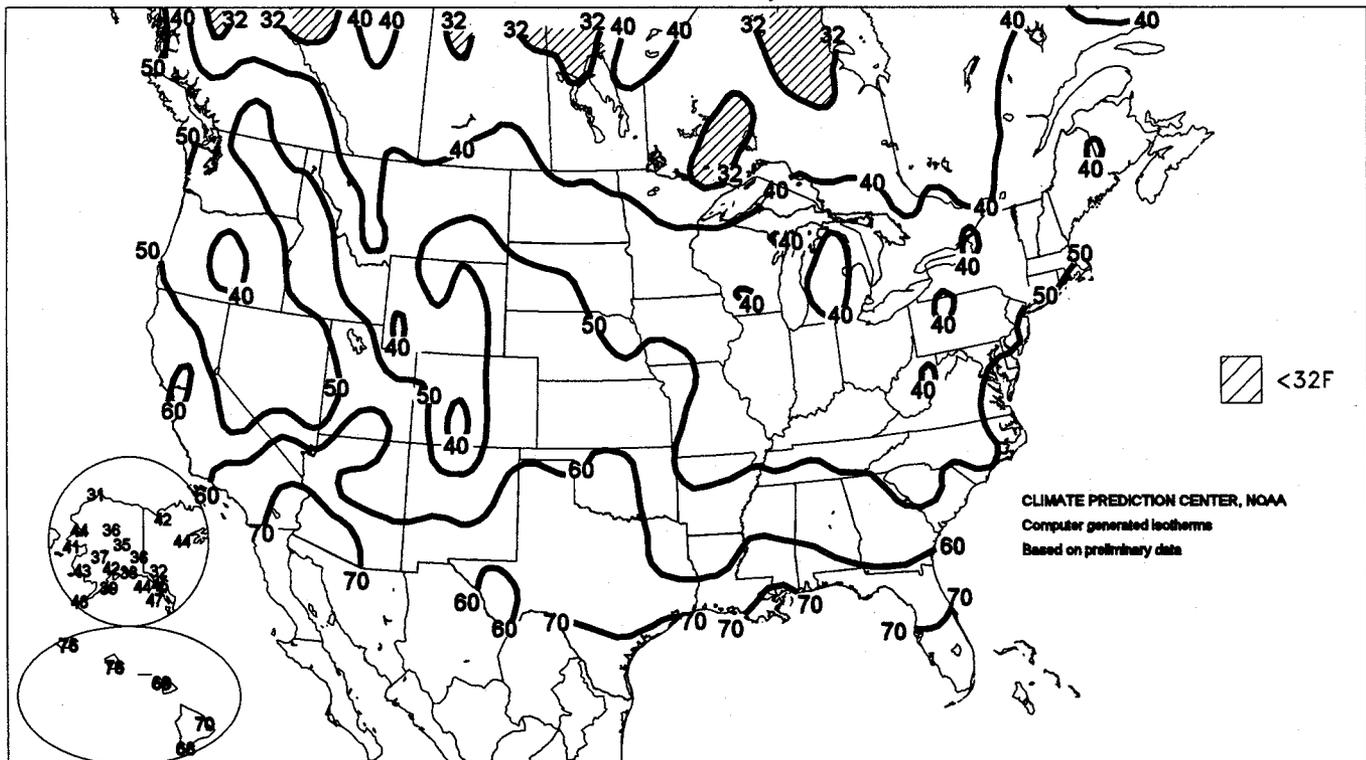
Average Pan Evaporation (Inches/Day) August 31 - September 6, 1997

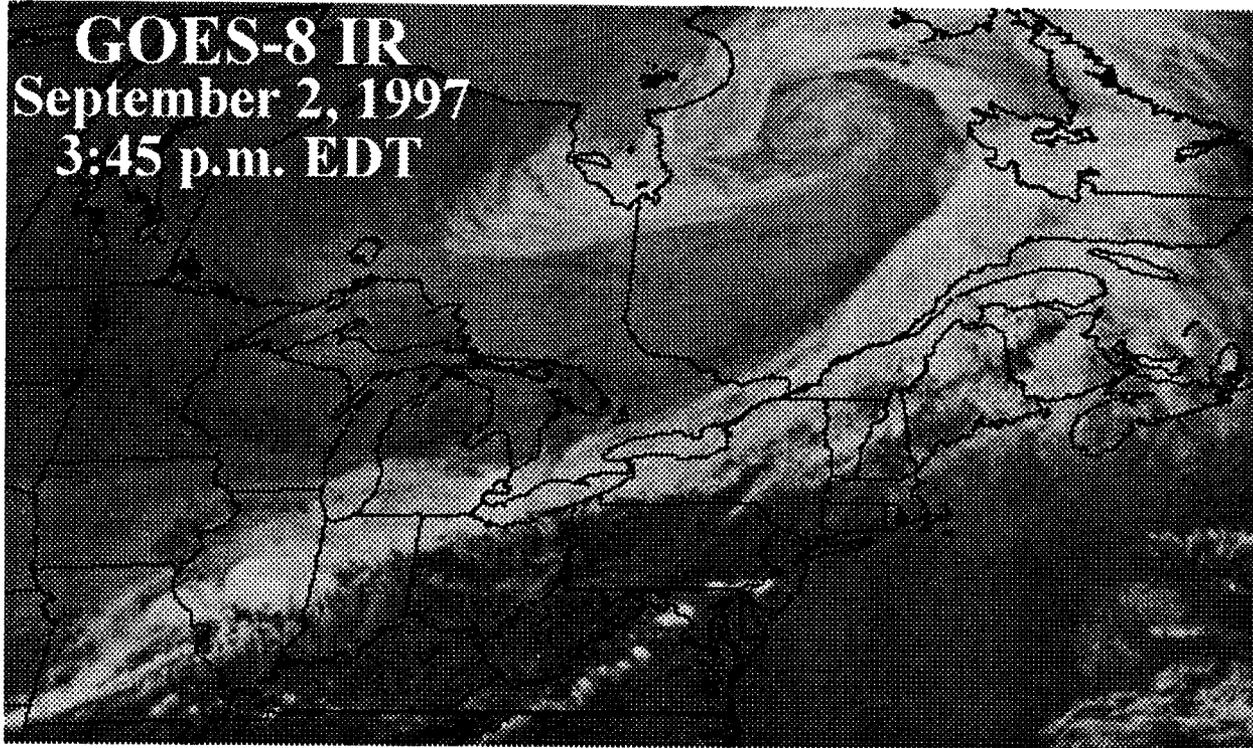


Extreme Maximum Temperature (°F) AUG 31 - SEP 6, 1997



Extreme Minimum Temperature (°F) AUG 31 - SEP 6, 1997





Taste of Autumn: The coolest air of the season overspread the Midwest and Southeast in the wake of this cold front. More than 100 daily-record lows were set on September 4-6.

(Continued from front cover)

normal in the **northern Rockies and northern High Plains**, but as much as 5°F below normal in the **Southeast**.

Early in the week, a strong cold front swept through the **Midwest**, reaching the **East Coast** on Wednesday and the **Gulf Coast** a day later. As the front approached, more than 3 inches of rain fell in locations such as **Jamestown, ND** (on Sunday) and **Omaha, NE** (on Monday and Tuesday). Meanwhile in **Florida**, **Melbourne** netted a daily-record total of 2.81 inches on Monday.

On Wednesday, lows in **northern Minnesota** dipped to 28°F, a daily record, in **International Falls** and 20°F in **Tower, Hayward, WI** reported 32°F. A day later, lows of 33°F in **Lansing, MI**, 40°F in **South Bend, IN**, and 40°F in **Mansfield, OH** were among nearly four dozen daily records. Another four dozen records were set on Friday, including 41°F in **Bristol, TN**, 44°F in **Springfield, IL**, and 48°F

in **Augusta, GA**. **Wilmington, NC** ended the week with three consecutive daily-record lows (53, 49, and 53°F).

During the first 6 days of the month, 1.27 inches of rain pelted **Las Vegas, NV**, their third-highest September total on record. Monsoonal rainfall also topped an inch in parts of **interior California, southern Nevada, northern Arizona, and Utah**, causing flash flooding. Farther north, highs soared into the middle to upper 90's as far north as **southeastern Montana** and the **Snake River Valley**. **Lewiston, ID** recorded 99°F on Monday; **Miles City, MT** notched 95°F on Wednesday.

Warm weather prevailed in **Alaska** (up to 5°F above normal) and **Hawaii**. On Tuesday, **Honolulu** (94°F, 1° shy of their September record) and **Kahului** (93°F) notched daily records. In addition to **Alaska's** above-normal temperatures, weekly rainfall topped 2 inches in several southern locations, including **Anchorage**.

National Weather Data for Selected Cities

Weather Data for the Week Ending September 6, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN., SINCE 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
AL BIRMINGHAM	89	66	93	56	78	1	0.29	-0.62	0.24	0.24	31	37.84	97	88	48	4	0	2	0	2	0
AL HUNTSVILLE	86	64	91	52	75	-1	0.78	-0.14	0.78	0.00	0	36.47	96	90	51	2	0	1	1	0	1
AL MOBILE	91	72	96	67	81	1	1.06	-0.51	1.06	1.06	80	60.34	128	92	51	4	0	2	1	1	0
AL MONTGOMERY	92	67	97	55	80	0	0.11	-0.86	0.10	0.10	12	30.96	80	97	40	4	0	2	0	0	0
AK ANCHORAGE	61	47	63	42	54	1	2.56	1.93	2.43	0.13	24	12.43	130	97	66	0	0	3	1	0	0
AK BARRROW	38	33	41	31	36	0	0.25	0.08	0.13	0.12	86	3.99	130	98	85	0	0	3	3	0	0
AK FAIRBANKS	63	46	69	36	54	2	0.33	0.03	0.29	0.04	16	3.88	60	93	54	0	0	2	0	0	0
AK JUNEAU	61	50	66	46	55	3	-	-	-	-	-	-	-	96	76	0	0	-	-	-	-
AK KODIAK	60	48	66	39	54	1	1.03	-0.45	0.52	0.73	57	39.38	94	93	72	0	0	4	1	0	0
AK NOME	54	47	60	41	51	4	0.84	0.01	0.29	0.35	66	11.22	114	91	74	0	0	4	0	0	0
AZ FLAGSTAFF	74	50	78	48	62	1	0.49	-0.05	0.14	0.49	107	10.76	70	95	48	0	0	6	0	0	0
AZ PHOENIX	100	80	106	75	90	1	0.27	0.06	0.12	0.19	100	3.44	73	63	27	7	0	4	0	0	0
AZ PRESCOTT	82	58	84	55	70	3	0.94	0.33	0.70	0.92	177	10.54	76	90	44	0	0	6	1	0	0
AZ TUCSON	97	73	103	71	86	2	0.73	0.29	0.44	0.73	192	6.09	77	82	33	7	0	5	0	0	0
AZ YUMA	102	82	108	78	92	2	0.08	-0.03	0.08	0.08	89	0.65	33	69	31	7	0	1	0	0	0
AR FORT SMITH	91	66	97	52	78	1	0.00	-0.71	0.00	0.00	0	26.33	95	91	42	5	0	0	0	0	0
AR LITTLE ROCK	89	66	97	53	78	0	0.53	-0.36	-	0.53	68	43.58	134	86	45	4	0	-	-	-	-
CA BAKERSFIELD	94	70	100	66	82	2	0.00	-0.03	0.00	0.00	0	2.99	76	66	32	5	0	0	0	0	0
CA EUREKA	70	58	73	51	64	6	0.00	-0.14	0.00	0.00	0	20.17	93	85	62	0	0	0	0	0	0
CA FRESNO	94	68	99	65	81	3	0.07	0.04	0.07	0.07	350	3.58	51	66	29	6	0	1	0	0	0
CA LOS ANGELES	82	70	88	68	78	6	0.00	-0.06	0.00	0.00	0	4.22	63	87	60	0	0	0	0	0	0
CA REDDING	91	60	97	56	75	-2	0.00	-0.15	0.00	0.00	0	17.25	88	67	24	6	0	0	0	0	0
CA SACRAM/MCCLELL	94	67	99	63	80	-	0.00	-	0.00	0.00	-	9.51	-	68	23	7	0	0	0	0	0
CA SAN DIEGO	82	71	85	68	76	4	0.00	-0.05	0.00	0.00	0	3.54	66	85	60	0	0	0	0	0	0
CA SAN FRANCISCO	76	61	83	59	69	4	0.00	0.00	0.00	0.00	0	9.41	77	91	69	0	0	0	0	0	0
CO ALAMOSA	77	47	82	43	62	3	0.33	0.11	0.11	0.24	126	5.09	97	95	33	0	0	6	0	0	0
CO CO SPRINGS	78	55	80	53	66	2	0.97	0.51	0.70	0.96	253	20.99	155	92	50	0	0	6	1	0	0
CO DENVER	80	57	85	54	69	2	0.81	0.50	0.48	0.78	289	16.33	137	96	44	0	0	5	0	0	0
CO GRAND JUNCTION	82	60	89	56	71	-1	0.89	0.50	0.47	0.85	382	8.76	154	88	41	0	0	5	0	0	0
CO PUEBLO	85	58	89	54	72	2	0.35	0.04	0.15	0.20	77	10.82	119	91	39	0	0	3	0	0	0
CT BRIDGEPORT	77	59	83	50	66	-2	0.04	-0.67	0.04	0.04	7	27.07	94	85	49	0	0	1	0	0	0
CT HARTFORD	77	56	84	47	66	-2	0.11	-0.77	0.08	0.11	14	27.20	82	94	50	0	0	2	0	0	0
DC WASHINGTON	82	62	91	53	72	-3	0.20	-0.63	0.19	0.20	28	22.77	86	80	45	2	0	2	0	0	0
DE WILMINGTON	78	58	85	47	68	-4	0.01	-0.80	0.01	0.01	1	17.96	63	82	50	0	0	1	0	0	0
FL DAYTONA BEACH	87	73	89	70	80	-1	2.82	1.27	2.54	2.75	206	36.59	110	95	63	0	0	7	1	0	0
FL JACKSONVILLE	87	69	91	61	78	-2	0.13	-1.78	0.13	0.13	8	36.48	96	95	60	2	0	1	0	0	0
FL KEY WEST	88	78	90	74	83	-2	1.94	0.58	0.52	1.53	130	26.30	103	87	69	2	0	4	3	0	0
FL MIAMI	87	76	91	74	82	-1	3.09	1.24	1.73	2.98	187	50.35	127	93	70	2	0	5	2	0	0
FL ORLANDO	88	72	92	68	80	-2	0.91	-0.88	0.41	0.91	66	39.73	109	95	60	3	0	3	0	0	0
FL TAMPA	91	75	94	69	83	1	0.08	-1.80	0.08	0.08	6	31.70	95	89	56	3	0	1	0	0	0
FL VALPARAISO/EGLIN	92	73	97	70	83	3	0.00	-1.76	0.00	0.00	0	48.18	104	86	46	5	0	0	0	0	0
FL WEST PALM BEACH	88	76	92	75	82	0	1.68	-0.17	0.75	1.35	83	48.58	116	90	64	3	0	5	1	0	0
GA ATHENS	87	62	93	51	75	-1	0.72	-0.07	0.63	0.72	104	31.47	87	90	42	4	0	2	1	0	0
GA ATLANTA	87	65	93	58	78	0	0.00	-0.81	0.00	0.00	0	32.34	88	87	40	2	0	0	0	0	0
GA AUGUSTA	88	60	97	48	74	-3	0.40	-0.43	0.39	0.40	57	27.89	83	98	46	4	0	2	0	0	0
GA COLUMBUS	91	70	97	60	80	1	0.00	-0.81	0.00	0.00	0	34.57	92	78	43	3	0	0	0	0	0
GA MACON	90	62	96	49	78	-2	0.00	-0.73	0.00	0.00	0	24.08	72	97	38	4	0	0	0	0	0
GA SAVANNAH	86	66	91	54	76	-4	0.05	-1.31	0.03	0.05	4	35.83	93	96	54	1	0	2	0	0	0
HI HILO	86	71	88	70	79	2	2.01	-0.01	1.08	0.95	55	94.49	110	93	66	0	0	6	1	0	0
HI HONOLULU	92	77	94	78	84	3	0.07	-0.03	-	0.07	100	16.51	127	79	51	7	0	-	-	-	-
HI KAHULUI	90	72	93	69	81	2	-	-	-	-	-	-	-	86	54	5	0	-	-	-	-
HI LIHUE	85	78	86	78	82	2	-	-	-	-	-	-	-	79	67	0	0	-	-	-	-
ID BOISE	88	62	97	58	75	8	0.10	-0.06	0.08	0.10	71	8.56	109	56	23	2	0	2	0	0	0
ID LEWISTON	84	61	99	57	73	4	0.27	0.08	0.27	0.27	159	11.35	132	69	33	1	0	1	0	0	0
ID POCATELLO	83	52	91	45	68	4	0.31	0.12	0.17	0.31	182	9.46	115	82	34	2	0	4	0	0	0
IL CHICAGO/O'HARE	77	55	88	45	66	-2	0.00	-0.98	0.00	0.00	0	20.13	81	87	52	0	0	0	0	0	0
IL MOLINE	78	57	86	44	68	-1	0.37	-0.81	0.37	0.37	44	26.71	95	92	60	0	0	1	0	0	0
IL PEORIA	77	57	86	47	67	-3	0.83	-0.04	0.83	0.83	108	21.86	86	91	59	0	0	1	1	0	0
IL ROCKFORD	77	53	85	43	65	-2	0.02	-0.82	0.02	0.02	2	22.77	88	93	52	0	0	1	0	0	0
IL SPRINGFIELD	81	55	88	44	68	-3	0.38	-0.41	0.32	0.38	52	17.04	89	93	55	0	0	4	0	0	0
IN EVANSVILLE	83	58	92	45	70	-3	0.01	-0.89	0.01	0.01	2	34.86	114	97	42	2	0	1	0	0	0
IN FORT WAYNE	77	53	85	42	65	-4	0.08	-0.60	0.08	0.08	14	29.80	122	82	45	0	0	2	0	0	0
IN INDIANAPOLIS	80	57	88	47	69	-2	0.24	-0.49	0.18	0.08	13	25.72	90	93	48	0	0	2	0	0	0
IN SOUTH BEND	75	51	83	40	63	-4	0.02	-0.85	0.02	0.02	3	22.23	83	91	54	0	0	1	0	0	0
IA BURLINGTON	-	-	-	-	-	-	0.11	-0.88	-	0.11	13	24.45	96	-	-	-	-	-	-	-	-
IA CEDAR RAPIDS	-	-	-	-	-	-	0.01	-0.97	0.01	0.01	1	18.62	75	-	-	-	-	-	-	-	-
IA DES MOINES	80	60	89	50	70	1	0.12	-0.79	0.12	0.12	15	19.70	80	94	56	0	0	1	0	0	0
IA DUBUQUE	75	54	83	42	65	-1	0.17	-1.00	0.16	0.17	17	22.74	83	93	59	0	0	2	0	0	0
IA SIOUX CITY	82	58	93	45	69	1	0.01	-0.70	0.01	0.01	2	13.28	67	93	51	2	0	1	0	0	0
IA WATERLOO	78	55	85	44	67	0	0.70	-0.14	0.64	0.68	93	20.85	83	95	59	0	0	4	1	0	0
KS CONCORDIA	84	64	91	51	74	2	0.00	-0.78	0.00	0.00	0	16.48	73	90	54	2	0	0	0	0	0
KS DODGE CITY	86	64	95	58	75	1	0.07	-0.45	0.06	0.01	2	19.79	115	90</							

Weather Data for the Week Ending September 6, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																90 AND ABOVE	82 AND BELOW	0.1 INCH OR MORE	50 INCH OR MORE	
KY	WICHITA	88	66	98	56	76	2	0.00	-0.81	0.00	0.00	0	25.11	118	89	48	4	0	0	0
	JACKSON	80	58	88	46	68	-3	0.20	-0.87	0.20	0.20	28	38.38	110	84	45	0	0	1	0
	LEXINGTON	82	56	82	46	69	-3	0.04	-0.77	0.04	0.04	6	48.33	151	86	40	2	0	1	0
	LOUISVILLE	83	61	92	51	72	-1	0.27	-0.50	0.15	0.27	40	47.71	160	87	39	2	0	2	0
LA	PADUCAH	83	59	92	46	71	-3	0.63	-0.32	0.49	0.63	72	41.10	120	92	49	2	0	2	0
	BATON ROUGE	91	71	94	66	81	0	1.16	-0.10	1.02	1.07	98	51.81	118	94	56	5	0	3	1
	LAKE CHARLES	91	72	94	67	81	1	0.75	-0.61	0.66	0.66	55	46.04	124	94	54	5	0	2	1
ME	NEW ORLEANS	92	75	96	72	83	3	0.20	-1.23	0.20	0.20	18	37.37	84	86	53	4	0	1	0
	SHREVEPORT	90	69	94	59	80	0	0.27	-0.36	0.27	0.27	48	49.30	157	92	53	5	0	1	0
	CARIBOU	67	51	74	44	59	1	0.69	-0.18	0.56	0.69	93	25.95	108	96	63	0	0	4	1
MD	PORTLAND	71	51	77	43	61	-2	0.10	-0.58	0.07	0.08	15	23.31	83	94	45	0	0	2	0
	BALTIMORE	82	57	90	47	69	-3	0.36	-0.50	0.32	0.36	49	26.77	91	92	45	1	0	3	0
MA	BOSTON	75	59	83	52	67	-2	0.15	-0.57	0.12	0.15	24	18.91	69	84	52	0	0	3	0
	WORCESTER	72	55	78	46	63	-1	0.19	-0.72	0.12	0.19	24	25.06	79	85	55	0	0	3	0
MI	ALPENA	70	48	77	38	59	-2	0.21	-0.58	0.20	0.01	1	22.37	112	94	58	0	0	2	0
	GRAND RAPIDS	74	51	80	41	62	-3	0.03	-0.97	0.02	0.03	3	19.70	83	96	52	0	0	2	0
	HOUGHTON LAKE	69	47	75	31	58	-3	0.16	-0.69	0.16	0.00	0	19.06	99	94	55	0	1	1	0
	LANSING	73	47	83	33	60	-5	0.10	-0.77	0.06	0.06	11	20.00	96	94	53	0	0	3	0
MN	MARQUETTE	-	-	-	-	-	-	0.02	-0.89	-	0.02	3	23.29	102	-	-	-	-	-	-
	MUSKEGON	71	50	78	39	61	-4	0.03	-0.90	0.03	0.03	4	18.50	90	96	57	0	0	1	0
	DULUTH	72	50	82	39	61	2	0.09	-0.87	0.06	0.08	10	14.83	69	91	52	0	0	2	0
	INTL FALLS	74	44	86	28	59	1	0.58	-0.18	0.47	0.58	88	12.01	67	93	40	0	1	4	0
MS	MINNEAPOLIS	77	57	86	49	67	2	0.49	-0.23	0.25	0.49	80	28.55	133	89	58	0	0	2	0
	ROCHESTER	73	53	82	43	63	0	0.38	-0.49	0.29	0.38	47	24.72	112	94	62	0	0	5	0
	ST. CLOUD	77	52	87	40	65	3	0.38	-0.46	0.36	0.37	51	20.73	100	93	64	0	0	3	0
MO	JACKSON	91	68	96	64	80	0	0.00	-0.85	0.00	0.00	0	42.62	111	96	41	4	0	0	0
	MERIDIAN	92	66	96	58	79	0	0.18	-0.67	0.16	0.18	23	42.15	106	97	46	4	0	1	0
	TUPELO	85	65	91	54	75	-3	0.92	0.13	0.92	0.00	0	51.22	133	94	56	2	0	1	1
MT	COLUMBIA	81	59	90	47	70	-2	0.66	-0.22	0.66	0.66	88	27.29	100	94	53	1	0	1	1
	KANSAS CITY	84	62	91	50	73	1	0.00	-1.11	0.00	0.00	0	20.81	77	94	51	2	0	0	0
	SAINT LOUIS	83	62	93	50	72	-2	1.27	0.57	1.27	1.27	208	22.19	86	89	50	1	0	1	1
	SPRINGFIELD	83	59	90	49	71	-2	0.00	-1.04	0.00	0.00	0	25.36	88	94	48	1	0	0	0
NE	BILLINGS	87	58	89	51	72	7	0.02	-0.28	0.02	0.02	8	10.78	96	79	32	0	0	1	0
	BUTTE	78	43	82	34	61	6	0.10	-0.23	0.06	0.10	36	17.13	181	92	30	0	0	2	0
	GLASGOW	82	54	89	47	68	6	0.00	-0.27	0.00	0.00	0	10.15	114	71	28	0	0	0	0
	GREAT FALLS	83	50	86	41	67	5	0.01	-0.32	0.01	0.01	4	11.96	100	79	29	0	0	1	0
	KALISPELL	78	48	88	40	63	5	0.30	-0.03	0.22	0.30	107	14.36	124	90	37	0	0	4	0
	MILES CITY	89	58	96	51	74	8	0.02	-0.28	0.02	0.02	8	9.00	82	66	24	5	0	1	0
	MISSOULA	81	52	90	47	67	6	0.27	-0.01	0.23	0.27	112	12.44	126	86	36	1	0	2	0
NV	GRAND ISLAND	80	61	89	56	70	2	0.37	-0.34	0.23	0.37	61	19.30	99	93	66	0	0	4	0
	LINCOLN	84	61	91	50	73	3	0.24	-0.81	0.15	0.24	33	16.75	79	93	56	2	0	2	0
	NORFOLK	81	57	82	44	69	1	0.13	-0.47	0.08	0.13	25	14.89	74	93	52	1	0	3	0
	NORTH PLATTE	83	59	94	54	71	5	0.48	0.08	0.43	0.48	139	12.29	77	94	54	1	0	2	0
OH	OMAHA	82	60	91	50	71	2	3.36	2.50	-	3.36	454	21.31	96	93	59	1	0	-	
	SCOTTSBLUFF	86	58	90	58	72	5	0.02	-0.22	0.02	0.02	10	17.19	139	94	43	1	0	1	0
	VALENTINE	86	58	92	52	72	6	0.94	0.51	0.44	0.94	254	17.83	118	93	46	3	0	4	0
	ELY	78	49	83	45	64	3	0.73	0.51	0.63	0.73	394	7.10	100	71	27	0	0	3	1
NH	LAS VEGAS	92	71	97	67	82	-3	1.47	1.38	0.87	1.47	2100	2.63	92	74	31	4	0	4	1
	RENO	86	50	88	48	68	3	0.11	0.03	0.10	0.11	157	5.70	114	78	27	0	0	2	0
	WINNEMUCCA	88	50	93	46	69	5	0.09	0.00	0.08	0.09	129	6.15	112	69	19	1	0	2	0
NJ	CONCORD	75	51	83	39	63	0	0.18	-0.50	0.08	0.18	31	22.71	94	92	49	0	0	3	0
	NEWARK	79	60	86	50	69	-3	0.28	-0.61	0.28	0.28	36	29.67	97	82	44	0	0	1	0
NY	ALBUQUERQUE	87	65	91	62	78	3	0.36	0.08	-	0.36	150	8.24	131	72	25	1	0	-	
	ALBANY	75	53	86	44	64	-2	0.79	0.06	0.36	0.62	98	18.73	75	97	57	0	0	4	0
NC	BINGHAMTON	71	52	81	41	61	-2	0.49	-0.30	0.18	0.31	45	19.93	79	92	58	0	0	3	0
	BUFFALO	71	55	79	46	63	-3	0.35	-0.55	0.24	0.34	44	26.86	106	83	52	0	0	3	0
	ROCHESTER	72	51	79	41	62	-3	0.67	-0.08	0.52	0.66	100	21.73	101	94	55	0	0	3	1
	SYRACUSE	73	54	80	43	63	-2	0.36	-0.51	0.35	0.36	47	19.93	77	90	58	0	0	2	0
	ASHEVILLE	81	56	85	41	68	-2	1.23	0.25	1.23	0.00	0	35.94	108	97	46	0	0	1	1
	CHARLOTTE	87	64	93	56	78	0	0.00	-0.82	0.00	0.00	0	33.38	110	80	37	2	0	0	0
	GREENSBORO	82	59	88	47	71	-3	0.79	-0.04	0.79	0.79	111	27.60	92	85	45	0	0	1	1
ND	HATTERAS	81	67	87	57	74	-3	0.00	-1.31	0.00	0.00	0	29.86	80	80	55	0	0	0	0
	RALEIGH	86	59	90	46	72	-3	0.97	0.16	0.49	0.49	70	28.23	94	91	42	2	0	2	0
	WILMINGTON	83	63	87	51	73	-5	0.32	-1.07	0.18	0.32	27	28.49	70	89	53	0	0	3	0
	BISMARCK	80	50	93	41	66	3	0.24	-0.14	0.20	0.23	70	10.71	86	89	39	1	0	3	0
OH	DICKINSON	81	51	90	46	66	4	0.06	-0.30	0.06	0.06	24	14.87	115	80	32	1	0	2	0
	FARGO	76	51	86	40	64	1	1.19	0.69	0.64	0.55	128	18.99	12						

Weather Data for the Week Ending September 6, 1997

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	50 INCH OR MORE	01 INCH OR MORE	50 INCH OR MORE
OK TOLEDO	78	53	86	42	66	-2	0.17	-0.56	0.12	0.06	8	25.57	112	91	48	0	0	3	0		
OK YOUNGSTOWN	74	52	83	38	63	-3	0.11	-0.70	0.10	0.10	14	19.89	77	83	48	0	0	2	0		
OK OKLAHOMA CITY	88	68	98	61	78	1	0.00	-0.81	0.00	0.00	0	20.13	85	90	47	4	0	0	0		
OR TULSA	86	67	94	58	76	-1	1.12	0.11	1.12	0.00	0	30.30	109	89	53	2	0	1	1		
OR ASTORIA	71	53	73	50	62	2	0.03	-0.44	0.01	0.03	7	50.88	135	96	64	0	0	3	0		
OR BURNS	82	46	86	40	64	5	0.06	-0.08	0.04	0.06	50	6.78	106	75	34	0	0	2	0		
OR EUGENE	79	54	82	45	66	1	0.00	-0.31	0.00	0.00	0	24.55	89	90	41	0	0	0	0		
OR MEDFORD	85	56	89	49	70	1	0.23	0.06	0.23	0.23	164	11.82	115	86	34	0	0	1	0		
OR PENDLETON	82	57	91	51	69	2	0.20	0.06	0.20	0.20	167	5.78	77	75	40	1	0	1	0		
OR PORTLAND	78	56	80	54	68	2	0.00	-0.35	0.00	0.00	0	28.15	136	91	47	0	0	0	0		
OR SALEM	79	55	83	47	67	3	0.00	-0.27	0.00	0.00	0	27.52	126	90	41	0	0	0	0		
PA ALLENTOWN	76	53	84	44	65	-4	0.11	-0.87	0.09	0.02	2	26.45	86	92	50	0	0	3	0		
PA ERIE	72	57	79	49	65	-3	0.29	-0.74	0.24	0.28	31	28.41	107	89	55	0	0	3	0		
PA MIDDLETOWN	81	60	91	50	71	0	0.13	-0.69	0.07	0.08	8	22.38	80	82	49	1	0	2	0		
PA PHILADELPHIA	78	60	86	52	69	-3	0.35	-0.50	0.21	0.35	48	26.01	88	85	50	0	0	3	0		
PA PITTSBURGH	75	52	85	42	64	-4	0.03	-0.70	0.02	0.03	5	22.76	86	91	45	0	0	2	0		
PA SCRANTON	75	52	82	40	64	-3	0.54	-0.25	0.50	0.04	6	18.42	73	93	48	0	0	3	1		
PA WILLIAMSPORT	77	54	84	43	66	-2	0.80	0.01	0.75	0.05	7	19.32	69	96	52	0	0	3	1		
RI PROVIDENCE	75	57	82	50	68	-2	0.04	-0.79	0.02	0.04	6	26.16	86	89	53	0	0	2	0		
SC BEAUFORT	86	68	91	57	77	-2	0.05	-1.45	0.05	0.05	4	30.62	77	88	54	1	0	1	0		
SC CHARLESTON	84	64	90	52	74	-5	0.88	-0.69	0.51	0.17	15	39.72	101	95	55	1	0	4	1		
SC COLUMBIA	88	62	94	47	75	-2	0.02	-1.05	0.02	0.02	2	29.48	78	86	40	3	0	1	0		
SC GREENVILLE	87	62	92	49	74	0	0.00	-0.90	0.00	0.00	0	33.99	94	87	39	3	0	0	0		
SD ABERDEEN	79	52	88	44	66	1	0.05	-0.41	0.03	0.05	12	13.39	90	93	47	0	0	3	0		
SD HURON	82	54	92	46	68	2	0.14	-0.27	0.12	0.13	37	16.93	106	91	47	1	0	3	0		
SD RAPID CITY	83	56	94	51	70	5	0.13	-0.18	0.09	0.13	48	22.06	163	91	45	1	0	2	0		
SD SIOUX FALLS	80	54	88	43	67	1	0.17	-0.57	0.12	0.17	27	17.87	100	92	53	0	0	2	0		
TN BRISTOL	84	62	91	41	68	-4	0.00	-0.78	0.00	0.00	0	32.96	113	89	40	2	0	0	0		
TN CHATTANOOGA	87	63	94	52	75	-1	0.37	-0.57	0.24	0.37	45	40.59	109	93	46	3	0	2	0		
TN KNOXVILLE	86	61	94	52	74	0	0.01	-0.69	0.01	0.01	2	38.33	114	87	39	3	0	1	0		
TN MEMPHIS	86	67	94	53	77	-1	0.17	-0.67	0.17	0.00	0	55.30	156	87	51	2	0	1	0		
TN NASHVILLE	86	63	93	48	74	-1	0.79	-0.05	0.78	0.79	108	39.29	115	90	48	3	0	2	1		
TX ABILENE	91	70	95	68	81	1	0.00	-0.74	0.00	0.00	0	20.34	121	74	39	5	0	0	0		
TX AMARILLO	86	63	92	61	75	2	0.00	-0.59	0.00	0.00	0	19.56	126	86	43	3	0	0	0		
TX AUSTIN	93	72	97	66	83	0	0.47	-0.19	0.47	0.47	82	31.63	147	83	41	6	0	1	0		
TX BEAUMONT	92	73	95	68	82	1	0.44	-1.04	0.39	0.44	34	36.02	94	91	60	5	0	3	0		
TX BROWNSVILLE	92	74	94	73	83	-1	0.28	-0.98	0.21	0.28	25	17.37	108	96	57	7	0	3	0		
TX CORPUS CHRISTI	94	73	97	71	83	0	0.03	-1.18	0.03	0.03	3	19.53	99	91	53	6	0	1	0		
TX DEL RIO	95	73	98	69	84	1	0.21	-0.35	0.19	0.21	42	18.15	149	83	37	7	0	2	0		
TX EL PASO	92	69	95	68	81	3	0.08	-0.34	0.07	0.08	22	5.70	99	56	25	7	0	2	0		
TX FORT WORTH	93	71	98	62	82	1	1.91	1.23	1.91	1.91	324	30.59	132	84	42	5	0	1	1		
TX GALVESTON	90	77	92	73	83	1	0.00	-1.39	0.00	0.00	0	30.88	111	84	58	4	0	0	0		
TX HOUSTON	91	70	94	65	81	0	0.00	-1.05	0.00	0.00	0	38.20	125	94	49	6	0	0	0		
TX LUBBOCK	90	67	96	65	78	4	0.00	-0.63	0.00	0.00	0	17.17	128	75	36	4	0	0	0		
TX MIDLAND	91	66	94	62	79	2	0.41	-0.15	0.34	0.41	82	13.26	134	78	36	5	0	2	0		
TX SAN ANGELO	93	67	96	64	80	1	0.04	-0.68	0.03	0.04	6	18.82	140	84	34	6	0	2	0		
TX SAN ANTONIO	95	72	97	69	83	1	0.33	-0.41	0.32	0.33	52	21.26	102	87	37	7	0	2	0		
TX VICTORIA	94	71	97	69	82	0	0.47	-0.70	0.40	0.47	45	45.47	182	96	48	7	0	2	0		
TX WACO	94	67	98	54	81	-2	0.29	-0.39	0.29	0.29	48	30.99	145	89	41	5	0	1	0		
TX WICHITA FALLS	94	70	101	65	82	2	0.00	-0.83	0.00	0.00	0	15.83	78	78	39	5	0	0	0		
UT SALT LAKE CITY	86	64	92	61	75	5	0.11	-0.15	0.10	0.11	50	12.16	110	71	33	2	0	2	0		
VA BURLINGTON	71	53	81	45	62	-1	0.57	-0.28	0.35	0.22	31	20.56	88	89	56	0	0	3	0		
VA LYNCHBURG	83	54	90	42	69	-3	0.00	-0.74	0.00	0.00	0	23.33	83	93	42	1	0	0	0		
VA NORFOLK	81	64	89	56	73	-2	0.09	-0.91	0.09	0.09	10	20.79	64	83	50	0	0	1	0		
VA RICHMOND	85	59	96	51	72	-2	0.00	-0.84	0.00	0.00	0	22.37	73	83	38	1	0	0	0		
VA ROANOKE	83	57	89	46	70	-1	0.09	-0.76	0.09	0.09	12	22.51	79	86	41	0	0	1	0		
VA WASH/DULLES	81	54	90	42	67	-4	0.35	-0.49	0.33	0.35	49	22.90	82	93	48	1	0	2	0		
WA HANFORD	82	59	90	50	71	-	0.15	0.08	0.15	0.15	250	3.98	108	67	39	1	0	1	0		
WA OLYMPIA	78	49	78	43	63	2	0.08	-0.32	0.04	0.08	17	39.11	139	95	47	0	0	3	0		
WA QUILLAYUTE	70	52	73	49	61	3	0.37	-0.39	0.21	0.35	53	78.89	131	94	65	0	0	5	0		
WA SEATTLE-TACOMA	74	56	78	53	65	2	0.03	-0.32	0.03	0.03	10	28.78	139	89	45	0	0	1	0		
WA SPOKANE	78	54	93	49	66	2	0.12	-0.06	0.12	0.12	88	12.07	118	80	39	1	0	1	0		
WA YAKIMA	81	52	90	45	67	2	0.14	0.03	0.14	0.14	117	3.74	78	86	36	1	0	1	0		
WV BECKLEY	75	51	84	40	63	-3	0.05	-0.73	0.05	0.05	7	29.36	100	95	50	0	0	1	0		
WV CHARLESTON	78	53	86	44	66	-6	0.02	-0.79	0.01	0.01	1	33.25	110	100	47	0	0	2	0		
WV ELKINS	75	46	84	37	61	-5	0.18	-0.76	0.15	0.18	20	30.19	94	95	46	0	0	3	0		
WV HUNTINGTON	78	54	88	45	66	-5	0.09	-0.65	0.09	0.09	14	29.97	101	96	49	0	0	2	0		
WI EAU CLAIRE	78	54	86	44	65	2	0.83	-0.18	0.89	0.83	95	24.79	105	91	50	0	0	3	1		
WI GREEN BAY	73	51	81	41	62	-1	0.19	-0.67	0.14	0.18	24	22.33	111	96	57	0	0	5	0		
WI MADISON	74	50	82	38	62	-2	0.06	-0.83	0.02	0.05	7	22.82	102	96	55	0	0	4	0		
WI MILWAUKEE	71	54	83	47	62	-3	0.00	-0.84	0.00	0.00	0	24.82	107	91	66	0	0	0	0		
WY CASPER	83	52	92	46	68	5	0.21	0.02	0.19	0.21	124	8.45	91	81	29	1	0	3	0		
WY CHEYENNE	75	54	80	52	65	3	0.37	0.03	0.29	0.37	128	16.29	139	92	50	0	0	2	0		
WY LANDER	82	54	87	50	68	5	0.03	-0.17	0.02	0.03	17	8.48	88	83	28	0	0	2	0		
WY SHERIDAN	84	53	90	48	69	6	0.04	-0.24	0.04	0.04	16	12.15	114	82	36	1	0	1	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.

August Weather and Crop Summary

Weather

For the first time since 1961, no named tropical systems prowled Atlantic waters during August. The combination of dominant northwesterly winds and a lack of tropical moisture left the Southeast under an intensifying dry spell. Farther west, a procession of cold fronts eased dryness across the central Corn Belt and held temperatures 1 to 3 degrees F below normal. The fronts also delivered drought relief to the northern Middle Atlantic region. Continuing a trend that developed in mid-July, monsoonal moisture sparked locally intense thunderstorms in the Southwest and contributed to above-normal rainfall on the central Plains. Over southern Texas, however--beneath the center of the same high-pressure system that steered tropical moisture into the Southwest--very hot (up to 3 degrees F above normal), dry weather prevailed for a second consecutive month. In northern California and western Oregon, the remnants of the eastern Pacific Tropical Storm Ignacio dropped out-of-season rainfall on August 19-20.

Strong high-pressure systems delivered nearly three dozen daily-record lows to the Southeast on August 1 and 2, and another five dozen to the Central and Eastern States from August 5 to 9. After a mid-month heat wave in the East, which included the highest reading in Washington, DC (105 degrees F) since July 10, 1936, another cool period resulted in an additional four dozen records between August 22 and 28. The first cool wave produced the earliest sub-50 degree reading in Asheville, NC (49 degrees F on August 1); the last yielded a monthly record low in Tallahassee, FL (57 degrees F on August 23).

Despite generally cool weather in the Southeast, little rain fell. Record-low August totals were reported in Mobile, AL (1.04 inches) and Columbia, SC (0.22 inches). Mobile's August rainfall stood in sharp contrast to July's total of 18.52 inches, 70 percent of which fell during Hurricane Danny's passage. Farther west, dry weather gripped southern Texas for a second consecutive month. Although San Antonio's 42-day dry spell ended on August 7, only 0.62 inches fell there during the month. Hot weather exacerbated the short-term dryness across southern Texas. Corpus Christi registered 101 degrees F on August 22, their highest reading since August 27, 1990. In Rio Grande City, high temperatures averaged 105.1 degrees F during August, a record for any month. In addition, their highs reached or exceeded 100 degrees F on every day from June 29 to August 31, a total of 64 days, second only to a 73-day streak in 1957.

Although August began dry in the central Corn Belt, much-needed moisture arrived by mid-month. In Peoria, IL,

where the June-July rainfall of 2.28 inches was only 28 percent of normal, 6.11 inches (197 percent of normal) fell during August. A few dry pockets lingered or developed in parts of the western Corn Belt, where August rainfall totaled 0.63 inches in Sioux City, IA and 1.37 inches in Norfolk, NE. Across the central Corn Belt, the summer of 1997 ended with fewer days of 90-degree heat--5 to 20 days--than the 10 to 40 days normally observed.

Arizona bore the brunt of damaging flash floods during the month, including two that resulted in fatalities. Six people were killed early in the month in Douglas, near the Mexican border, and 11 drowned on August 12 in a canyon near Page. Farther northeast, on the Plains, monsoonal moisture interacted with cold fronts. In Wyoming, Cheyenne's rainfall of 4.33 inches was their third-highest August total. On August 11, Grand Island reported a daily-record total of 3.22 inches en route to a monthly total of 7.15 inches. And in Dodge City, KS, 3.09 inches fell on August 5-6, their fourth-highest 24-hour total in August.

The month started out hot along the West Coast, with about three dozen daily records reported from August 1 to 7. On August 6, Simi Valley, CA logged a monthly record high of 109 degrees F. Although extremely hot weather abated in interior areas thereafter, unusually warm conditions persisted along the coast due to El Niño-warmed ocean water. In Eureka, CA, the mercury reached or exceeded 70 degrees F on a record-setting 11 consecutive days at month's end. In Oregon, Astoria's third-longest dry spell on record ended on August 20 at 35 days, a victim of remnant moisture from Tropical Storm Ignacio. A day earlier, 0.73 inches fell in downtown San Francisco, CA, just 0.05 inches shy of their August-record total, set in 1976 during the passage of Hurricane Catherine's remnants. Rainfall more typical of the approaching autumn season arrived at month's end across the Pacific Northwest. On August 26, both Eureka (0.47 inches) and Astoria (1.01 inches) posted daily-record rainfalls.

Significant rainfall returned to the northern Middle Atlantic States during August, but drought persisted in many areas south of the Mason-Dixon Line. A noteworthy low-pressure system moved through the region on August 20-21, producing locally excessive totals. In Atlantic City, NJ, the storm dumped 13.52 inches in 19 hours, boosting their August rainfall to an all-time-record (for any month) 16.12 inches. Farther south, however, monthly rainfall totaled only 1.41 inches in Richmond, VA and 1.01 inches in Raleigh-Durham, NC. An August 16-17 heat wave aggravated the dryness, as

temperatures soared into the upper 90's to lower 100's across the affected areas. Farther west, hot weather developed late in the month over the Intermountain West and spread onto the Plains. On August 24 in North Dakota, highs peaked at daily-record levels of 100 degrees F at both Dickinson and Williston.

According to data from the National Interagency Fire Center, the United States' wildfire acreage topped 5.0 million acres (7,930 square miles) by late-August 1996. This year, only 2.7 million acres (4,219 square miles) had burned by September 1. Without Alaska's acreage, this year's total stood at about 0.8 million acres (1,234 square miles), less than 20 percent of last year's Lower-48 total through August.

In contrast, Alaska's year-to-date burned acreage topped 1.9 million acres (2,985 square miles) by September 1, accounting for more than 70 percent of the U.S. total and around 325 percent of last year's acreage at this time. Nevertheless, significant drought relief arrived across much of Alaska during August. Monthly rainfalls of 13.34 inches in Valdez, 8.37 inches in Anchorage, and 2.64 inches in Barrow were the second-highest August totals on record. Barrow's total represented 59 percent of their annual normal precipitation. In Anchorage, a year-to-date precipitation deficit of 2.54 inches on July 31 turned into a 3.39-inch surplus by the end of August. Anchorage's wettest day on record occurred on August 21, when 2.76 inches fell. Despite the wetness, the State's temperatures averaged 1 to 4 degrees above normal during August.

In Hawaii, several dry airmasses allowed for larger-than-normal temperature swings. For example, Honolulu reported consecutive daily-record lows on August 12 and 13 (70 and 69 degrees F), but logged monthly record-tying highs of 93 degrees F on August 14 and 30.



Erika, the first named Atlantic system since Danny dissipated on July 26, formed on September 3. Shown here near peak strength with sustained winds of 125 mph and a central pressure of 946 millibars, Erika was the first "Cape Verde" (African-origin) storm of the 1997 season. Erika brushed the northeasternmost Caribbean islands before veering northward.

Fieldwork

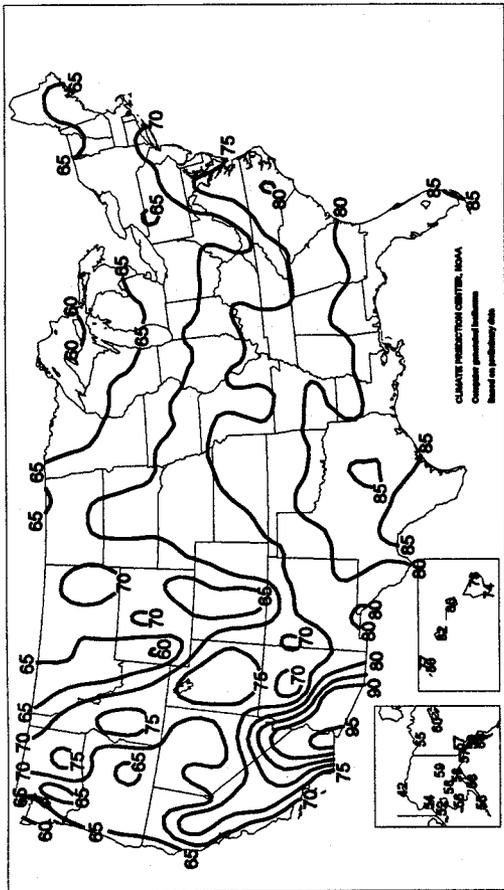
As August began, crop conditions declined in the Corn Belt, with scattered showers providing limited or no relief from persistent dryness in an area extending from Missouri northeastward to New York. However, below-normal temperatures in the area moderated the stress somewhat and reduced evaporation rates. As the month progressed, widespread rains brought relief to dry fields. Although continued below-normal temperatures slowed crop development, corn and soybean progress remained ahead of normal in the western Corn Belt. Progress in the eastern Corn Belt slowed to near-normal levels. Above-normal temperatures in the Corn Belt and Plains the last week of August provided much-needed heat and prompted rapid crop development.

Despite starting the month moist, soils in the Southeast and Texas turned dry. Condition of cotton, soybeans, peanuts, and other late-planted crops declined due to lack of moisture. Cotton progress was behind normal in the Southeast, but ahead of normal in the western cotton-producing States. Likewise, rice fields in California progressed 2 weeks ahead of normal, while fields in the Southeast developed and were harvested behind the average pace. Peanut harvest was just underway late in the month.

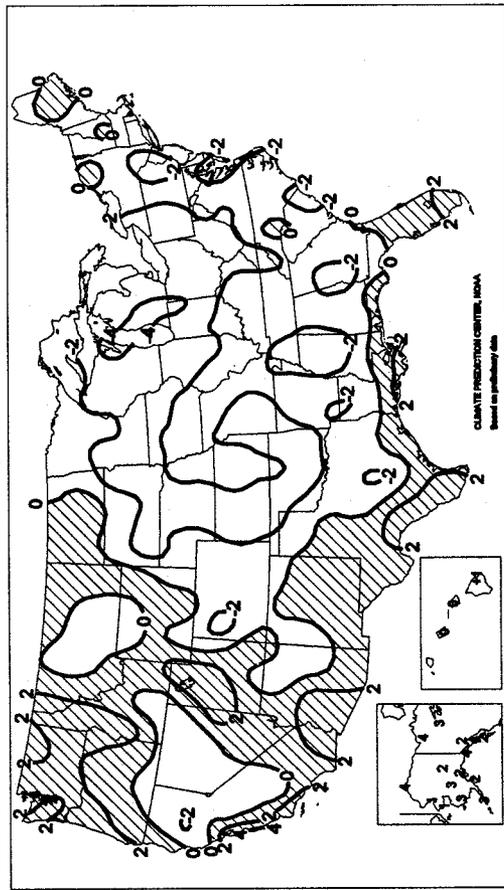
Winter wheat harvest started late in the Northwest because of cool, wet weather earlier in the spring. Once harvest started in Washington, it progressed rapidly under clear skies. Harvest in Idaho, Montana, and Oregon was hampered by showers and progressed behind the normal pace. Planting of the 1998 winter wheat crop was just underway at month's end. Spring wheat and barley harvest started slowly at the beginning of the month, but very warm, dry weather over the northern Plains allowed progress to surpass the average by the end of August. Oat harvest progressed ahead of the normal pace for all of August.

Monsoonal moisture in the Rocky Mountains and central Plains provided adequate moisture for sorghum fields. Fields developed ahead of normal in most major sorghum-producing States, especially Colorado, Kansas, and Missouri. Mid-month rainfall provided some relief from drought-like conditions in the mid-Atlantic States, but may have come too late to save some crops.

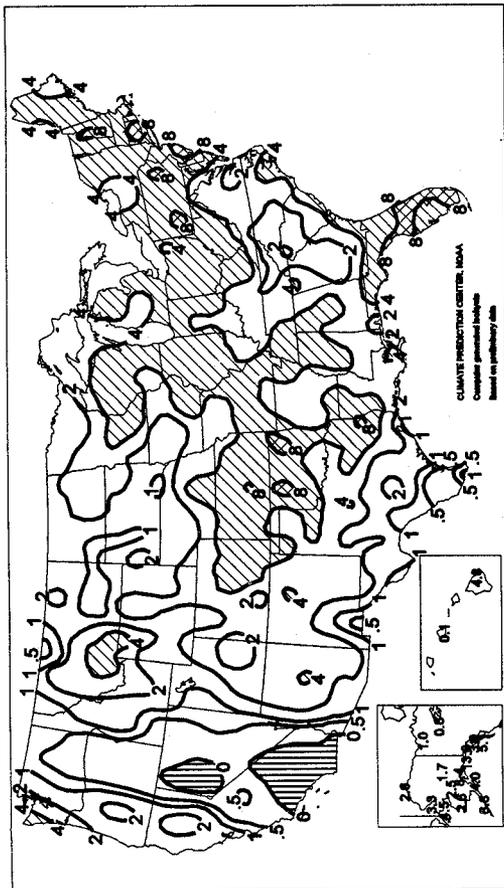
Average Temperature (°F)
August 1997



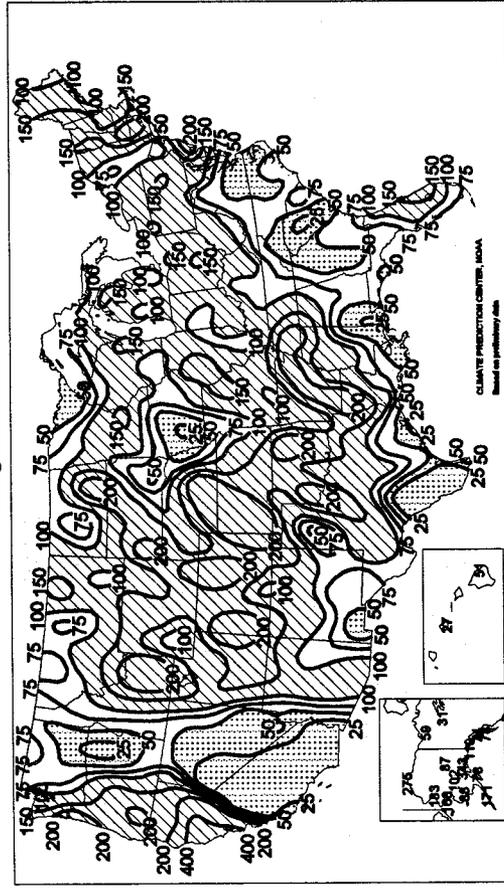
Departure of Average Temperature from Normal (°F)
August 1997



Total Precipitation (Inches)
August 1997



Percent of Normal Precipitation
August 1997

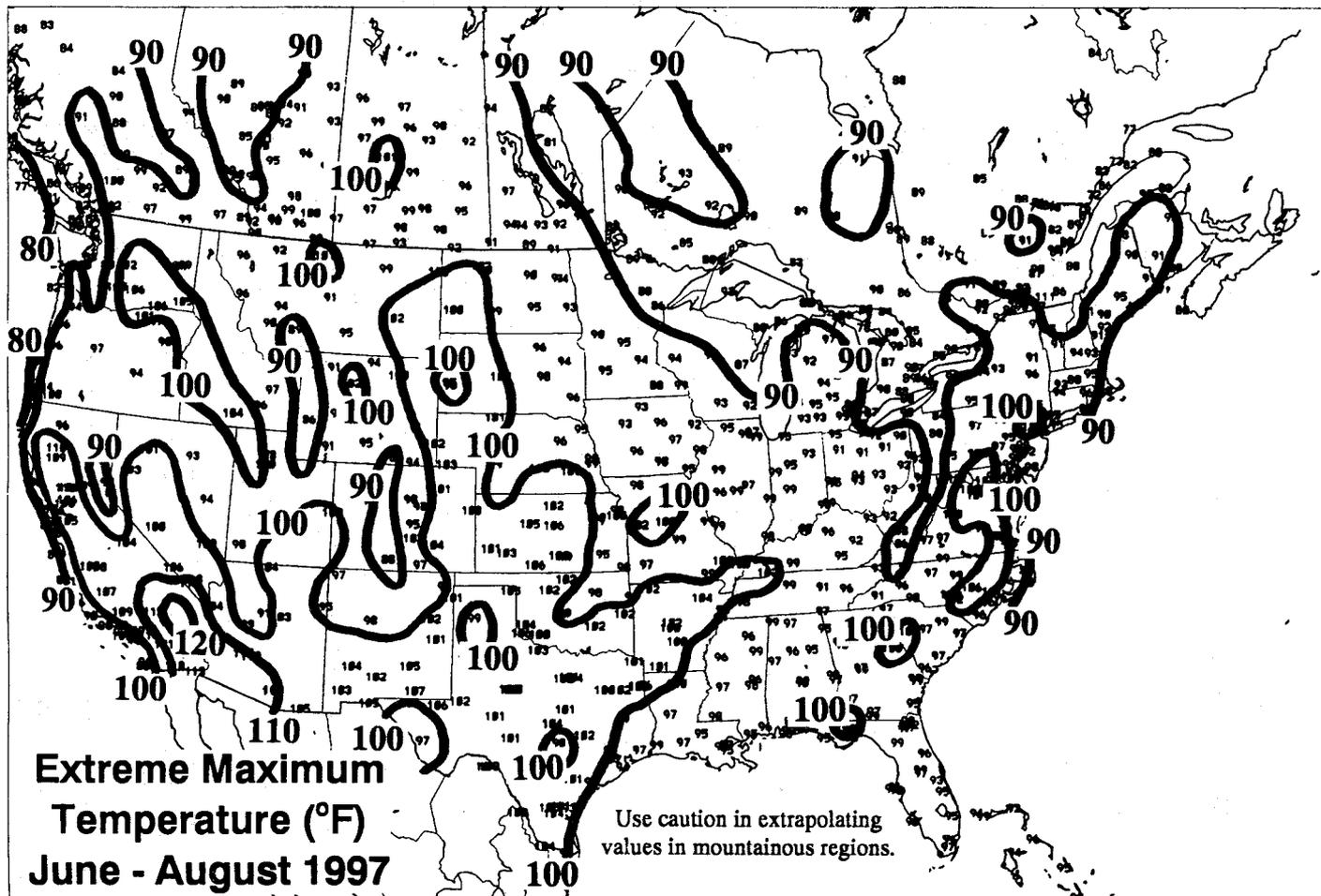


TEMPERATURE AND PRECIPITATION SUMMARY

August 1997

STATES AND STATIONS	TEMP. °F		PRECIP.		STATES AND STATIONS	TEMP. °F		PRECIP.		STATES AND STATIONS	TEMP. °F		PRECIP.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	78	-1	2.74	-0.86	ME CARIBOU	61	-1	4.12	0.06	RI SCRANTON	67	-2	5.31	1.99
AL HUNTSVILLE	77	-2	4.50	1.03	ME PORTLAND	67	0	4.16	1.30	RI WILLIAMSPORT	69	-2	6.90	2.51
AL MOBILE	81	0	1.04	-5.92	MD BALTIMORE	74	-1	4.21	0.29	RI PROVIDENCE	71	-1	6.32	2.69
AL MONTGOMERY	80	0	0.74	-2.96	MA BOSTON	71	-1	3.01	-0.23	SC BEAUFORT	80	0	1.56	-6.32
AK ANCHORAGE	58	2	8.37	5.93	MA WORCESTER	68	0	3.02	-0.66	SC CHARLESTON	79	-2	2.15	-5.08
AK BARROW	42	4	2.64	1.68	MI ALPENA	62	-3	5.83	2.45	SC COLUMBIA	79	-1	0.22	-5.87
AK FAIRBANKS	59	2	1.70	-0.26	MI GRAND RAPIDS	66	-4	1.99	-1.58	SD GREENVILLE	77	0	0.92	-3.03
AK JUNEAU	59	4	3.93	-1.39	MI HOUGHTON LAKE	61	-4	3.58	0.21	SD ABERDEEN	69	-2	3.75	1.62
AK KODIAK	58	3	4.03	-1.12	MI LANSING	64	-4	3.92	0.72	SD HURON	71	-1	1.41	-0.56
AK NOME	52	2	4.49	1.78	MI MARQUETTE	-	-	3.01	-0.40	SD RAPID CITY	69	-2	3.94	2.27
AZ FLAGSTAFF	64	0	3.69	0.94	MI MUSKEGON	66	-4	2.88	-0.53	SD SIOUX FALLS	69	-3	1.58	-1.27
AZ PHOENIX	93	2	1.39	0.43	MN DULUTH	61	-3	1.80	-2.38	TN BRISTOL	71	-3	1.53	-1.64
AZ PRESCOTT	73	3	4.80	1.18	MN INT'L FALLS	61	-3	1.38	-1.73	TN CHATTANOOGA	78	-1	3.50	-0.04
AZ TUCSON	86	1	2.32	0.13	MN MINNEAPOLIS	69	-2	6.01	2.39	TN KNOXVILLE	78	0	2.02	-1.11
AZ YUMA	96	3	0.00	-0.65	NY ROCHESTER	66	-3	3.26	-0.63	TX MEMPHIS	79	-2	4.01	0.57
AR FORT SMITH	79	-2	2.16	-0.78	NY ST. CLOUD	66	-2	5.80	1.84	TX NASHVILLE	77	-1	3.52	0.05
AR LITTLE ROCK	80	0	7.15	4.05	MS JACKSON	80	-1	5.02	1.25	TX ABILENE	82	-1	4.16	1.36
CA BAKERSFIELD	80	-2	0.00	-0.09	MS MERIDIAN	79	-2	1.32	-2.26	TX AMARILLO	75	-1	1.40	-1.82
CA EUREKA	81	3	0.84	0.36	MO TUPELO	78	-2	4.84	1.79	TX AUSTIN	83	-2	2.34	0.29
CA FRESNO	81	1	0.00	-0.03	MO COLUMBIA	75	0	5.50	2.22	TX BEAUMONT	83	0	2.01	-3.33
CA LOS ANGELES	73	2	0.00	-0.15	MO KANSAS CITY	74	-2	2.47	-1.54	TX BROWNSVILLE	85	1	1.80	-0.97
CA REDDING	78	-2	0.68	0.22	MO SAINT LOUIS	76	-1	3.36	0.51	TX CORPUS CHRISTI	86	1	1.23	-2.08
CA SACRAM/MCCLELL	78	-	0.25	-	MO SPRINGFIELD	74	-3	4.21	0.70	TX DEL RIO	88	3	0.23	-1.24
CA SAN DIEGO	72	0	0.00	-0.10	MT BILLINGS	69	-1	0.94	-0.07	TX EL PASO	82	1	1.41	-0.17
CA SAN FRANCISCO	67	3	0.59	0.54	MT BUTTE	82	1	1.72	0.41	TX FORT WORTH	83	-2	3.13	0.92
CO ALAMOS	63	1	0.92	-0.20	MT GLASGOW	70	0	2.83	1.28	TX GALVESTON	85	1	1.04	-3.43
CO CO SPRINGS	67	-1	4.70	1.68	MT GREAT FALLS	68	-1	1.78	0.23	TX HOUSTON	83	1	2.26	-1.23
CO DENVER	70	-2	3.52	1.87	MT KALISPELL	64	2	1.15	-0.25	TX LUBBOCK	79	1	1.54	-0.97
CO GRAND JUNCTION	74	-2	2.67	1.86	MT MILES CITY	73	1	0.66	-0.46	TX MIDLAND	82	1	2.42	0.73
CO PUEBLO	72	-2	4.13	2.14	MT MISSOULA	67	1	0.95	-0.24	TX SAN ANGELO	83	1	2.76	0.63
CT BRIDGEPORT	71	-2	4.87	1.72	NE GRAND ISLAND	72	-2	7.15	4.33	TX SAN ANTONIO	86	1	0.62	-1.92
CT HARTFORD	70	-2	7.32	3.67	NE LINCOLN	74	-1	2.44	-0.17	TX VICTORIA	86	1	2.75	-0.26
DC WASHINGTON	78	-1	3.51	-0.40	NE NORFOLK	71	-1	1.37	-1.98	TX WACO	84	-2	1.74	0.06
DE WILMINGTON	73	-2	3.67	0.27	NE NORTH PLATTE	71	-1	3.40	1.66	TX WICHITA FALLS	82	-1	2.04	-0.44
FL DAYTONA BEACH	81	0	7.91	1.75	NE OMAHA	73	-1	4.02	0.78	UT SALT LAKE CITY	79	3	0.63	-0.23
FL JACKSONVILLE	80	-1	8.24	0.31	NE SCOTTSBLUFF	70	-2	1.46	0.39	VT BURLINGTON	67	-1	4.63	0.57
FL KEY WEST	85	0	3.63	-1.40	NV VALENTINE	71	-1	1.71	-0.57	VA LYNCHBURG	72	-2	1.65	-1.94
FL MIAMI	84	2	6.28	-1.30	NV ELY	69	4	0.47	-0.36	VA NORFOLK	78	-1	1.76	-3.05
FL ORLANDO	82	0	7.99	1.21	NV LAS VEGAS	61	2	0.33	-0.16	VA RICHMOND	78	-1	1.41	-2.99
FL TAMPA	83	0	8.20	0.59	NV RENO	69	1	0.00	-0.32	VA ROANOKE	73	-1	2.22	-1.93
FL VALPARAISO/EGLIN	82	1	6.22	-0.96	NH WINNEUCCA	69	0	0.01	-0.44	VA WASH/DULLES	73	-1	5.32	1.38
FL WEST PALM BEACH	82	0	10.80	4.58	NH CONCORD	68	1	3.71	0.39	VA HANFORD	78	-	0.06	-0.21
GA ATHENS	77	-2	1.55	-2.15	NJ NEWARK	74	-3	2.99	-1.02	WA OLYMPIA	63	3	1.18	-0.11
GA ATLANTA	78	-2	1.32	-2.34	NM ALBUQUERQUE	78	0	1.96	0.32	WA QUILLAYUTE	59	1	4.01	1.46
GA AUGUSTA	78	-2	2.24	-2.28	NY ALBANY	68	-1	4.84	1.17	WA SEATTLE-TACOMA	68	2	1.27	0.13
GA COLUMBUS	80	-1	1.73	-2.00	NY BINGHAMTON	66	-2	3.36	0.00	WA SPOKANE	71	3	0.14	-0.58
GA MACON	79	-2	1.96	-1.87	NY BUFFALO	67	-2	4.67	0.50	WA YAKIMA	72	3	0.22	-0.18
GA SAVANNAH	79	-2	4.67	-2.79	NY ROCHESTER	66	-2	4.22	0.82	WV BECKLEY	67	-2	3.28	-0.10
HI HILO	78	2	4.76	-4.57	NY SYRACUSE	68	0	4.06	0.55	WV CHARLESTON	71	-3	4.14	0.12
HI HONOLULU	83	1	0.12	-0.32	NC ASHEVILLE	71	-1	1.37	-3.32	WV ELKINS	66	-2	4.65	0.30
HI KAHULUI	80	1	-	-	NC CHARLOTTE	79	0	1.10	-2.63	WV HUNTINGTON	71	-2	4.33	0.50
HI LAHUIE	80	-1	-	-	NC GREENSBORO	74	-1	1.97	-1.91	WI EAU CLAIRE	67	-2	5.70	1.22
ID BOISE	76	3	0.27	-0.16	NC HATTERAS	77	-2	2.30	-3.71	WI GREEN BAY	64	-3	5.73	2.23
ID LEWISTON	76	3	0.47	-0.31	NC RALEIGH	76	-1	1.01	-3.01	WI MADISON	65	-3	2.33	-1.71
ID POCATELLO	69	0	1.59	0.92	NC WILMINGTON	78	-2	2.86	-4.08	WI MILWAUKEE	67	-3	3.85	0.42
IL CHICAGO/O'HARE	69	-2	4.50	0.28	ND BISMARCK	70	1	1.07	-0.65	WI CASPER	69	0	0.78	0.09
IL MOLINE	71	-2	8.15	3.93	ND DICKINSON	69	0	0.99	-0.46	WI CHENYENNE	65	-1	4.33	2.64
IL PEORIA	71	-2	6.11	3.01	ND FARGO	68	-1	2.72	0.29	WI LANDER	69	0	0.85	0.32
IL ROCKFORD	69	-2	3.40	-0.76	ND GRAND FORKS	69	3	2.37	-0.10	WI SHERIDAN	67	-2	1.60	0.78
IL SPRINGFIELD	72	-2	4.64	1.35	ND JAMESTOWN	70	1	4.77	2.70	PR SAN JUAN	-	-	6.86	0.93
IN EVANSVILLE	74	-2	4.02	0.91	ND WILLISTON	69	0	1.72	0.48					
IN FORT WAYNE	68	-4	4.06	0.69	OH AKRON-CANTON	67	-3	3.98	0.56					
IN INDIANAPOLIS	71	-2	2.96	-0.68	OH CINCINNATI	71	-2	3.95	0.60					
IN SOUTH BEND	68	-3	5.05	1.38	OH CLEVELAND	67	-3	5.28	1.86					
IA BURLINGTON	-	-	5.69	1.81	OH COLUMBUS	70	-1	5.77	2.05					
IA CEDAR RAPIDS	-	-	2.25	-1.78	OH DAYTON	69	-3	2.55	-0.66					
IA DES MOINES	72	-2	1.75	-2.45	OH MANSFIELD	66	-4	4.80	0.72					
IA DUBUQUE	67	-3	3.41	-1.28	OH TOLEDO	67	-3	4.07	0.82					
IA SIOUX CITY	71	-2	0.83	-2.34	OH YOUNGSTOWN	66	-3	4.40	1.06					
IA WATERLOO	69	-2	3.40	-0.24	OK OKLAHOMA CITY	79	-3	3.00	0.40					
KS CONCORDIA	75	-2	3.33	-0.21	OK TULSA	78	-3	7.86	4.74					
KS DODGE CITY	75	-3	5.45	2.73	OR ASTORIA	64	3	2.90	1.57					
KS GODLAND	71	-2	5.31	3.51	OR BURNS	66	1	0.17	-0.49					
KS TOPEKA	75	-1	4.65	0.78	OR EUGENE	69	1	1.59	0.51					
KS WICHITA	77	-3	4.36	1.34	OR MEDFORD	74	1	1.39	0.87					
KY JACKSON	72	-2	4.38	0.47	OR PENDLETON	73	1	0.07	-0.46					
KY LEXINGTON	72	-2	2.58	-1.35	OR PORTLAND	72	3	1.58	0.49					
KY LOUISVILLE	75	-1	4.31	0.77	OR SALEM	70	3	1.13	0.37					
KY PADUCAH	75	-2	2.86	-0.48	PA ALLENTOWN	69	-3	5.13	0.85					
LA BATON ROUGE	81	-1	4.28	-1.74	PA ERIE	67	-3	3.07	-0.99					
LA LAKE CHARLES	82	1	5.35	0.02	PA MIDDLETOWN	74	0	3.80	0.29					
LA NEW ORLEANS	83	2	2.25	-3.92	PA PHILADELPHIA	74	-2	4.56	0.78					
LA SHREVEPORT	81	-1	5.48	3.05	PA PITTSBURGH	68	-2	3.80	0.59					

Based on 1961-90 normals.



Brief hot spells punctuated the summer of 1997 across the Midwestern and Eastern States, but temperatures overall averaged slightly below normal. Washington, DC noted 5 days of triple-digit heat, their greatest calendar-year total since 1988 (7 days). Much more persistent heat gripped southern Texas, where Rio Grande City reported highs at or above 100°F on the last 64 days of summer (June 29-August 31). Across the Corn Belt, highs rarely soared as high as the middle 90's, keeping heat stress to a minimum despite some very dry weather. Farther north, the summer's highest temperature in Green Bay, WI was only 87°F, which occurred six times. Seattle, WA, with a summer maximum of 88°F (on July 4 and August 12), did not experience 90-degree heat for the first time since 1980.

Summer Weather Review

Highlights: August rainfall helped to revive central Corn Belt crops that were stressed by dry, occasionally hot weather during July. Farther east, however, drought became established in the Middle Atlantic States during July. Although August featured drought relief in the northern Mid-Atlantic region, increasingly dry weather followed Hurricane Danny's late-July passage in the Southeast. Farther west, a persistent flow of tropical (monsoonal) moisture became established across the Southwest and the High Plains in late July, continuing through summer's end. Summer temperatures averaged within 2°F of normal in most areas, but varied considerably from day to day. Across the Midwest and Northeast, extreme maxima in many cases were the highest since the summer of 1995.

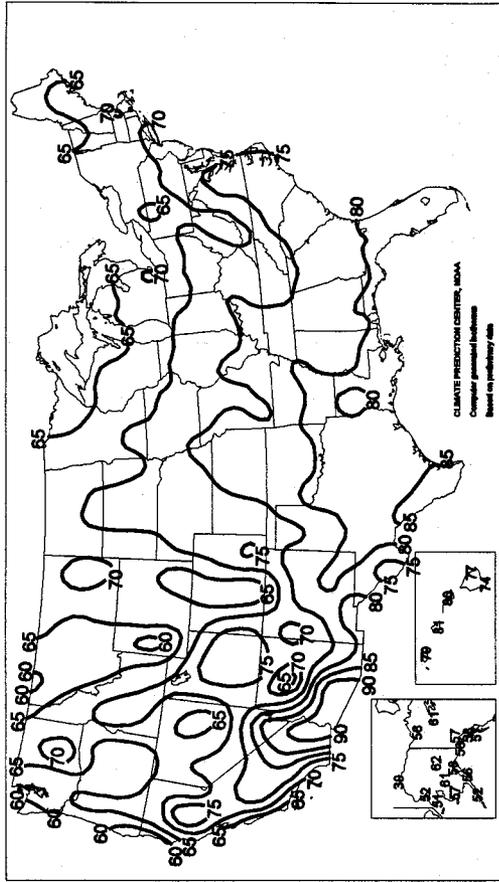
June: A 10-week spell of cool, wet weather in the Central and Eastern States, which delayed crop planting and development, finally ended around mid-month. Damp weather persisted, however, in the Southeast. On the northern Plains, where temperatures averaged 1 to 5°F above normal, topsoil moisture

diminished rapidly less than 2 months after major to record flooding struck the Red and James River basins. Warmer weather during the second half of June boosted monthly temperatures to near-normal levels in the Midwest, but still left monthly departures from -2 to -5°F in the Southeast.

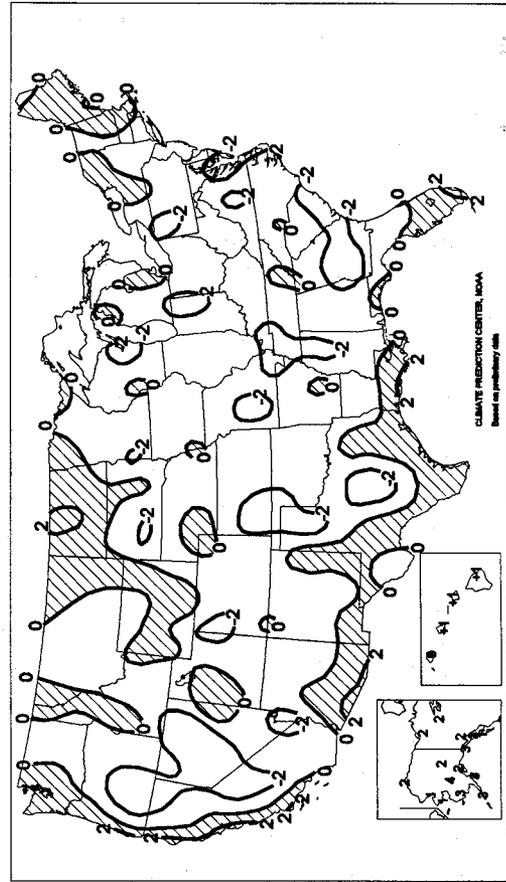
July: Hurricane Danny spun a slow path across the Nation's southeastern quadrant from July 17-25, soaking the Southeast and combining with a cold front to ease the Middle Atlantic drought. Monsoonal rainfall struck the High Plains and the Southwest during the last 10 days of the month, causing locally severe flooding. Early in the month, a strong low-pressure system delivered much-needed rainfall to the northern Plains, but sparked severe thunderstorms across the Nation's northern tier. Dry weather returned to the northern Plains later in the month. Crops from the central Corn Belt into the Northeast were stressed by periods of hot weather (July 13-18 and 25-28) and below-normal rainfall.

August: A complete summary begins on page 10.

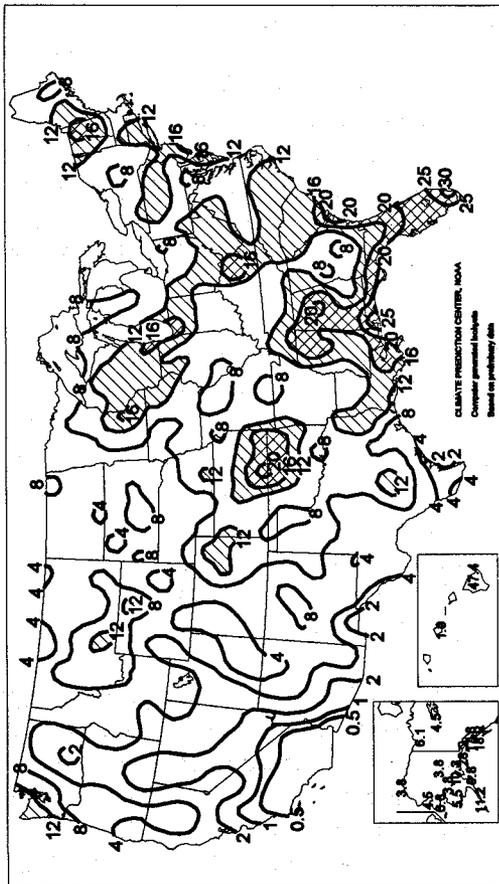
Summer Average Temperature (°F)
JUN - AUG 1997



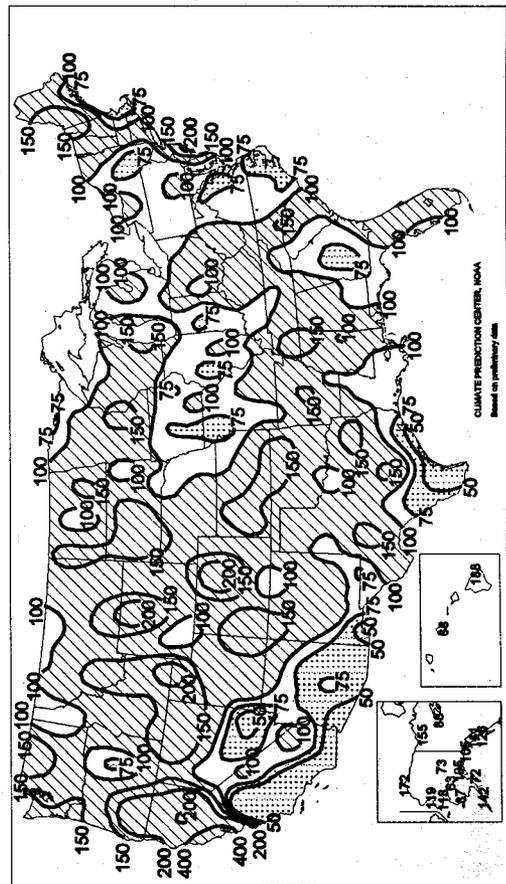
Summer Departure from Normal Average Temperature (°F)
JUN - AUG 1997



Summer Total Precipitation (inches)
JUN - AUG 1997



Summer Percent of Normal Precipitation
JUN - AUG 1997



National Agricultural Summary

September 1 - 7, 1997

HIGHLIGHTS

Continued below-normal temperatures east of the Mississippi River slowed crop development. Scattered showers relieved dry soils in the Corn Belt and Northeast, but the Southeast remained quite dry. The continued dry weather stressed

crops in an area extending from Virginia to Mississippi. Although stressing late-planted crops, the dry weather allowed harvest to progress unhindered. Producers made excellent progress on small grain harvest in the northern Plains.

Corn: Corn developed behind the average pace in the eastern Corn Belt due to below-normal temperatures. Farther west, progress in the major corn-producing States was ahead of normal. Nationwide, corn in the dough and dent stages progressed ahead of the percentage on this date in 1996 and the 5-year average. Ten percent of the corn crop was mature, compared with 11 percent (%) in 1996 and the average of 15%. Corn grain harvest was just getting underway in Kansas, Missouri, and Pennsylvania. Condition of the corn crop remained mostly good to fair.

Soybeans: Seven percent of the Nation's soybean acreage was dropping leaves, equal to 1996 but 2 percentage points behind average. Overall, soybean condition rated mostly good to fair. Continued dry weather in the Southeast caused soybean conditions in the area to decline significantly. A few locations in the eastern Corn Belt recorded low temperatures in the 30's, but no frost damage was reported to either corn or soybeans. Lack of heat to finish out the crop concerned many farmers in the Corn Belt.

Cotton: Bolls were opening on 34% of the cotton acreage, behind both 49% in 1996 and the average of 42%. Progress was generally ahead of normal in the western cotton-producing States, while behind normal in Texas and the States farther east. Harvest was active in western Arizona. California growers prepared for defoliation in southern counties. Harvest began in the Texas Blacklands, gained momentum in central areas, and was winding down in the Coastal Bend. Overall, cotton condition rated mostly good to fair.

Rice: Rice harvest was 26% complete, 7 points behind 1996 and 3 points behind the average. Producers in Arkansas drained fields to begin harvesting. Harvest was most active in Texas, but progress remained well behind normal. In Louisiana, harvest was well underway in northern parishes and nearing completion in southern parishes. Rice condition declined, but remained mostly good.

Sorghum: Sorghum was turning color on 70% of the acreage, ahead of both the 68% last year and the average of 64%. Twenty-six percent of the acreage reached maturity, 5 points behind last year and 6 points behind the average. Sorghum harvest gained momentum as growers harvested 19% of the crop by week's end, 3 points behind last year and the average. Over half of the acreage was harvested in Louisiana and Texas. Harvest gained momentum in Arkansas and Mississippi. Kansas and Missouri growers were just starting to harvest mature fields. Sorghum condition rated mostly good.

Spring Small Grains: Despite occasional thunderstorms in the northern Plains, hot weather allowed small grain harvest to progress rapidly. Spring wheat harvest reached 84% complete, 2 points ahead of harvest in 1996 and 18 points ahead of average. All major spring wheat-producing States harvested ahead of the normal pace, especially in Minnesota and North Dakota. Barley was 88% harvested, 2 points ahead of last year and 10 points ahead of normal. Oat harvest was in its final stages as harvest reached 96% complete, 1 point behind 1996 but 4 points ahead of average.

Peanuts: Peanut harvest advanced to 4% complete, ahead of the 2% harvested a year ago. Harvest was still in the early stages in Georgia and Texas. Growers in Florida and South Carolina made good harvest progress, but limited progress was made in Alabama. In Florida, heavy rainfall provided relief to dry soils. However, lack of precipitation throughout the remainder of the Southeast caused condition to decline significantly. Nationally, peanut condition rated mostly fair to good.

Winter Wheat: Winter wheat growers began planting in several States. Growers in Washington were delayed by showers and a later-than-normal harvest. Grasshoppers delayed planting in Montana and Nebraska as farmers took preventative measures to control the insects. Nationwide, planting was 5% complete, behind both 6% in 1996 and the average of 7%.

Crop Progress and Condition

Week Ending September 7, 1997

Soybeans Percent Dropping Leaves				
	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
AL	10	3	6	11
AR	3	1	14	7
GA	9	2	8	12
IL	4	1	2	8
IN	6	5	6	10
IA	4	0	0	5
KS	13	8	18	14
KY	5	1	6	9
LA	28	16	28	18
MI	5	0	3	8
MN	3	0	9	6
MS	23	16	45	23
MO	2	0	2	5
NE	4	1	1	7
NC	1	0	3	3
OH	8	2	2	12
SC	7	5	2	0
SD	27	9	32	21
TN	0	0	7	8
ALL	7	2	7	9

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

Winter Wheat Percent Planted				
	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
AR	0	NA	0	0
CA	0	NA	0	0
CO	6	NA	16	11
GA	0	NA	0	0
ID	6	NA	3	6
IL	0	NA	0	0
IN	0	NA	0	0
KS	2	NA	3	3
MI	1	NA	2	2
MO	0	NA	0	0
MT	2	NA	3	2
NE	8	NA	10	11
NC	0	NA	0	0
OH	0	NA	0	0
OK	10	NA	3	9
OR	0	NA	0	2
SD	15	NA	7	11
TX	9	NA	9	12
WA	8	NA	37	31
ALL	5	NA	6	7

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

Corn Percent Dough				
	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
CO	79	72	95	81
GA	100	100	100	100
IL	92	87	87	92
IN	92	91	87	96
IA	94	86	81	82
KS	100	97	100	98
KY	99	97	99	99
MI	47	30	60	64
MN	97	84	92	82
MO	100	100	99	96
NE	97	93	95	94
NC	100	100	100	97
OH	92	87	77	94
PA	72	63	74	82
SD	88	77	83	82
TX	99	98	100	99
WI	77	62	69	71
ALL	91	84	86	88

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

Corn Percent Dented				
	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
CO	40	30	60	45
GA	100	99	100	100
IL	73	54	53	65
IN	45	37	40	61
IA	65	43	47	55
KS	90	72	86	77
KY	85	76	89	88
MI	16	5	15	29
MN	59	25	41	44
MO	90	80	92	81
NE	61	41	52	60
NC	87	85	99	94
OH	33	17	20	55
PA	43	27	40	45
SD	56	34	42	43
TX	95	89	99	94
WI	20	8	26	37
ALL	60	42	50	58

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

Corn Percent Mature				
	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
CO	0	0	3	3
GA	98	95	98	99
IL	7	4	7	12
IN	8	3	8	10
IA	0	0	3	13
KS	35	17	35	37
KY	25	21	34	40
MI	1	0	0	3
MN	0	0	3	3
MO	35	22	47	35
NE	3	0	1	7
NC	68	66	93	86
OH	1	0	0	5
PA	7	4	7	7
SD	8	6	5	7
TX	65	60	74	70
WI	2	0	3	9
ALL	10	7	11	15

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

Corn Percent Harvested				
	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
CO	0	NA	0	0
GA	65	NA	61	67
IL	0	NA	0	0
IN	0	NA	0	0
IA	0	NA	0	0
KS	3	NA	3	5
KY	0	NA	0	0
MI	0	NA	0	0
MN	0	NA	0	0
MO	7	NA	11	7
NE	0	NA	0	0
NC	16	NA	32	27
OH	0	NA	0	0
PA	3	NA	1	0
SD	0	NA	0	0
TX	47	NA	59	59
WI	0	NA	0	0
ALL	2	NA	3	3

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

Crop Progress and Condition

Week Ending September 7, 1997

Sorghum Percent Coloring

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
AR	90	80	95	95
CO	18	14	64	41
IL	45	40	37	51
KS	65	52	62	52
LA	98	97	100	98
MS	93	90	98	96
MO	78	66	69	69
NE	61	38	43	46
NM	30	11	27	28
OK	68	56	68	63
SD	65	33	67	42
TX	81	75	83	83
ALL	70	58	68	64

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

Sorghum Percent Mature

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
AR	47	15	61	67
CO	0	0	9	5
IL	1	0	3	6
KS	10	7	12	7
LA	89	83	90	84
MS	82	64	89	82
MO	20	9	24	29
NE	1	0	0	4
NM	1	0	0	3
OK	6	4	24	14
SD	14	3	21	10
TX	56	54	62	70
ALL	26	23	31	32

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

Sorghum Percent Harvested

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
AR	19	NA	38	32
CO	0	NA	0	0
IL	0	NA	0	0
KS	2	NA	3	1
LA	64	NA	64	54
MS	24	NA	61	45
MO	1	NA	3	3
NE	0	NA	0	0
NM	0	NA	0	0
OK	0	NA	4	2
SD	0	NA	0	0
TX	52	NA	59	63
ALL	19	NA	22	22

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

Cotton Percent Bolls Opening

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
AL	22	20	40	34
AZ	90	67	93	90
AR	21	10	52	36
CA	80	60	71	59
GA	24	10	56	46
LA	63	43	79	73
MS	36	17	83	66
MO	29	15	45	29
NM	42	27	65	38
NC	15	13	40	38
OK	8	2	15	15
SC	24	14	36	38
TN	11	1	55	39
TX	26	22	33	31
ALL	34	23	49	42

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

Oats Percent Harvested

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
IA	100	100	100	100
MI	100	99	94	91
MN	98	90	99	93
NE	100	100	100	100
ND	89	79	87	75
OH	100	100	100	100
PA	97	91	97	96
SD	99	96	100	99
WI	96	90	99	93
ALL	96	91	97	92

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

Peanuts Percent Harvested

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
AL	9	1	4	NA
FL	17	9	6	NA
GA	4	1	2	NA
NC	0	0	0	NA
OK	0	0	0	NA
SC	10	7	9	NA
TX	2	1	0	NA
VA	0	0	0	NA
ALL	4	1	2	NA

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

Rice Percent Harvested

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
AR	5	1	15	14
CA	15	10	0	0
LA	73	65	76	69
MS	12	4	24	24
TX	50	35	84	69
ALL	26	19	33	29

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

Spring Wheat Percent Harvested

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
ID	75	61	83	74
MN	90	72	74	65
MT	75	56	87	60
ND	83	69	77	62
SD	99	94	100	95
ALL	84	69	82	66

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

Barley Percent Harvested

	Sep 7 1997	Prev Week	Prev Year	5-Yr Avg
ID	74	66	79	75
MN	91	80	79	78
MT	78	56	83	64
ND	93	81	89	82
SD	97	91	100	99
WA	99	94	89	91
ALL	88	75	86	78

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

Crop Progress and Condition

Week Ending September 7, 1997

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AL	3	30	37	26	4
AR	2	11	32	46	9
GA	6	15	44	32	3
IL	2	8	34	47	9
IN	2	7	31	49	11
IA	1	7	30	48	14
KS	0	4	18	62	16
KY	1	5	34	53	7
LA	2	13	27	53	5
MI	1	6	28	49	16
MN	2	7	30	52	9
MS	2	10	26	51	11
MO	5	15	38	35	7
NE	3	9	39	44	5
NC	4	9	35	52	0
OH	0	5	24	51	20
SC	3	11	32	48	6
SD	1	5	18	47	29
TN	1	4	24	51	20
ALL	2	8	30	48	12
Prev Wk	2	8	29	49	12
Prev Yr	3	11	31	44	11

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	1	2	14	66	17
GA	1	4	33	58	4
IL	2	12	38	42	6
IN	2	7	34	49	8
IA	2	7	31	47	13
KS	0	7	17	57	19
KY	5	14	33	44	4
MI	3	11	32	43	11
MN	1	4	22	53	20
MO	8	19	33	32	8
NE	2	10	23	55	10
NC	1	24	46	28	1
OH	1	6	26	48	19
PA	5	21	36	35	3
SD	1	4	13	51	31
TX	1	3	13	67	16
WI	0	3	13	54	30
ALL	2	8	27	49	14
Prev Wk	3	8	27	47	15
Prev Yr	3	9	26	47	15

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	3	25	49	22	1
AZ	0	2	9	53	36
AR	0	17	37	41	5
CA	0	0	0	60	40
GA	2	11	36	42	9
LA	3	13	39	40	5
MS	2	8	28	47	15
MO	2	16	34	41	7
NM	0	0	15	70	15
NC	1	12	26	60	1
OK	0	1	19	69	11
SC	3	7	36	50	4
TN	2	6	27	54	11
TX	1	9	30	49	11
ALL	1	10	29	48	12
Prev Wk	1	10	29	49	11
Prev Yr	4	10	29	44	13

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	2	11	47	37	3
CO	0	0	10	69	21
IL	6	18	34	38	4
KS	0	5	16	63	16
LA	0	1	43	53	3
MS	0	8	30	56	6
MO	5	10	38	41	6
NE	4	13	39	41	3
NM	0	4	42	54	0
OK	0	1	7	88	4
SD	0	2	14	62	22
TX	0	4	25	58	13
ALL	1	6	23	58	12
Prev Wk	1	6	25	56	12
Prev Yr	1	4	19	58	18

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	5	23	54	16	2
FL	0	0	15	64	21
GA	3	14	44	31	8
NC	5	15	50	30	0
OK	0	2	32	61	5
SC	0	9	28	60	3
TX	3	5	30	41	21
VA	1	9	47	37	6
ALL	3	12	40	35	10
Prev Wk	2	9	35	45	9
Prev Yr	1	7	36	47	9

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	3	25	55	17
CA	0	0	60	40	0
LA	0	2	28	60	10
MS	0	4	18	67	11
TX	0	5	42	49	4
ALL	0	3	33	53	11
Prev Wk	0	2	30	52	16
Prev Yr	0	2	17	60	21

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

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

State Agricultural Summaries

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

ALABAMA: Days suitable for fieldwork 6.8. Topsoil 41% very short, 43% short, and 16% adequate. Corn dented 100%, 100% 1996, 100% avg.; mature 88%, 91% 1996, 93% avg.; harvested 51%, 44% 1996, 41% avg.; 7% poor, 25% fair, 53% good, 15% excellent. Livestock 1% very poor 4% poor, 42% fair, 48% good, 5% excellent. Many areas across the State need rain. Maintenance, repair of equipment was underway in preparation for harvest.

ALASKA: Days available for hay harvest 3.5, grain harvest 5, potato harvest 6.5. Topsoil 5% short, 95% adequate. Subsoil 10% short, 90% adequate. Barley harvest 60% complete, compared to 15% in 1996. Second crop hay harvest 25% complete, 5% behind 1996. Commercial potato harvest 30% complete, 15% less than 1996.

ARIZONA: Cotton harvest active in western areas. Alfalfa harvest activity 31% light, 2% moderate 54% active, 13% not being harvested. Condition 7% fair, 77% good, 16% excellent. Cantaloupe, honeydews, specialty melons, carrots, green onions shipped from central area. Pistachio, apple, chile pepper harvest continued in east.

ARKANSAS: Days suitable for fieldwork 7. A cold front pushed through State early in the week leaving cooler temperatures, cloudy skies for most of the week. Scattered showers produced rain in some areas. Soil moisture 10% very short, 58% short, and 32% adequate. Main farming activities: Harvesting corn, rice, and sorghum, irrigating soybeans, cutting hay. Other farm activities included: Soybean worm control, cotton pest control, draining rice fields, fall forage planting. Corn 3% poor, 26% fair, 56% good, 15% excellent. Alfalfa hay 15% poor, 27% fair, 56% good, 2% excellent. Other hay 1% very poor, 20% poor, 39% fair, 38% good, 2% excellent. Pasture feed 3% very poor, 23% poor, 40% fair, 32% good, 2% excellent.

CALIFORNIA: Field activities progressed normally under favorable conditions in most areas. Winter forage mixes, oats continued to emerge in central, southern counties. Rice was maturing rapidly in the Sacramento, San Joaquin valleys. Cotton was in good condition, with bolls opening in most areas. Some producers were actively spraying for pests. In some southern counties, cotton growers were preparing for defoliation. Black eyed beans were harvested in the southern San Joaquin Valley. Alfalfa, late crop sugar beets were treated for worms. Harvesting of seed alfalfa, hay crops was delayed slightly by light rainfall in some areas. Safflower harvest, harvest of corn for grain, silage were winding down. Harvest of sugar beets, sweet potatoes, sunflowers continued. Alfalfa, sudan grass were cut for hay or green chopped. Almond harvest continued. Harvest preparations were made for middle, late season variety walnuts. Pistachio harvest began in the southern San Joaquin Valley. Light rains in the central, southern San Joaquin Valley delayed activities in vineyards, did not damage harvested raisin grapes. Nearly 80% of the raisin grapes were harvested, with slightly over half still on open trays. Because of additional moisture some vineyards were sprayed to control rot. Wine grape harvesting slowed as wineries reached full processing capacity. Late variety table grapes were still being harvested. Harvest of nectarines, peaches, plums continued as well. Prunes were sent to dehydrators. Predominant apple varieties harvested were Fuji, Gala, Granny Smith. Growers were preparing for harvest of upper elevation Golden Delicious, Red Delicious apples. Olive harvest began. Valencia orange harvest continued at a slow pace. San Joaquin Valley lemon picking was winding down. Lettuce, broccoli were harvested in the coastal areas. Fall lettuce beds were germinating. Cauliflower, broccoli progressed normally. Cauliflower was treated for whitefly. Harvest of processing, fresh market tomatoes continued. The Kings County tomato harvest was declining. Blight was identified on tomatoes in Siskiyou County. Sweet corn, onions were harvested in the San Joaquin Valley, along the coastal area. Pumpkin fields were sprayed to control aphids. Harvest of garlic for both fresh, processing uses continued in Fresno

County. Sweet potato harvest continued in the San Joaquin Valley. Harvesting of honeydew, cantaloupe continued in the central valley. Watermelon harvest was winding down. Carrot harvest in Kern, Kings counties continued. 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. Forage for range animals was in fair condition at higher elevations, poor to very poor condition in the lower foothills. Rangeland vegetation was extremely dry across most of the State. Livestock were in good condition after the week's cooler temperatures.

COLORADO: Days suitable for fieldwork 5.9. Topsoil 2% very short, 25% short, 70% adequate, 3% surplus. Subsoil 2% very short, 27% short, 68% adequate, 3% surplus. Dry conditions prevailed across the State with some scattered precipitation. A majority of the small grains are harvested, haying operations are slowing. Spring barley 92% harvested, 96% 1996, 77% avg. Oats 95% harvested, 83% 1996, 73% avg. Spring wheat 51% harvested, 85% 1996, 58% avg. Summer potatoes 53% harvested, 53% 1996, 55% avg. Dry onion 46% harvested, 64% 1996, 47% avg.; 2% very poor, 2% poor, 5% fair, 67% good, 24% excellent. Sugar beets 1% very poor, 5% poor, 10% fair, 65% good, 19% excellent. Dry beans 30% cut, 40% 1996, 34% avg; 18% threshed, 22% 1996, 16% avg.; 1% very poor, 4% poor, 19% fair, 51% good, 25% excellent. Alfalfa 38% 3rd cutting, 41% 1996, 36% avg.; 1% very poor, 3% poor, 21% fair, 57% good, 18% excellent.

DELAWARE: Days suitable for fieldwork 6.5. Topsoil 3% very short, 33% short, 64% adequate. Subsoil 11% very short, 27% short, 62% adequate. Corn 11% very poor, 23% poor, 25% fair, 39% good, 2% excellent. Field corn 87% dough, 97% 1996, 95% avg.; 77% dent, 82% 1996, 82% avg.; 26% mature, 33% 1996, 32% avg.; 34% harvested for silage, 39% 1996, 49% avg. Soybeans 4% very poor, 25% poor, 33% fair, 37% good, 1% excellent; 87% bloomed, 83% 1996, 94% avg.; 74% setting pods, 79% 1996, 82% avg.; 8% turned, 4% 1996, 7% avg. Sorghum 7% poor, 42% fair, 51% good; 93% headed, 100% 1996, 98% avg.; 14% turning color, 27% 1996, 24% avg. Tomatoes 87% harvested, 90% 1996, 88% avg. Cucumbers 97% harvested, 91% 1996, 95% avg. Snap beans 77% harvested, 82% 1996, 88% avg. Lima beans 61% harvested, 43% 1996, 47% avg. Sweet corn 93% harvested, 90% 1996, 95% avg. Apples 6% poor, 28% fair, 65% good, 1% excellent; 59% harvested, 40% 1996, 34% avg. Cantaloupes 88% harvested, 92% 1996, 95% avg. Watermelons 89% harvested, 89% 1996, 93% avg. Peaches 97% harvested, 98% 1996, 93% avg. Hay supplies 22% very short, 45% short, 33% adequate. Clover, other hays 95% 3rd cutting harvested, 79% 1996, 68% avg.; 14% 4th cutting, 10% 1996, 3% avg. Alfalfa 99% 3rd cutting harvested, 86% 1996, 97% avg; 19% 4th cutting, 18% 1996, 25% avg. Pasture feed 7% very poor, 21% poor, 56% fair, 16% good. Activities: Continued vegetable harvesting, spotty rainfall in Sussex.

FLORIDA: Topsoil mostly was short to adequate in the Panhandle, and northern and central Peninsula. Southern Peninsula soil moisture was adequate to surplus. Sugarcane growth was normal. Tobacco marketing was active. Dry weather was adversely affecting field crops and forage in the Panhandle and northern Peninsula. Peanut harvest was delayed by dry soil conditions in some areas. Seventeen percent of the peanut crops were harvested. Peanut condition was fair 15%, good 64%, and excellent 21%. Cooler nighttime temperatures were helping vegetable development. In the Palmetto-Ruskin region, tomato condition was fair to good, and planting was slowing seasonally, with some growers finished with transplanting. Snap bean condition was fair, with planting slowly getting underway. Pickle planting was starting. Squash planting was gaining momentum, with condition fair to good. Eggplant planting was slowing. Cherry tomato planting was complete. Condition of cucumbers, eggplant, peppers, squash, watermelons, cherry tomatoes, and plum tomatoes was

fair to good. Cucumbers, peppers, watermelons, and plum tomatoes were mostly steadily being planted. Cabbage planting is expected to begin over the next 5 to 7 days. In the East Coast region, wet fields were slowing ground preparation and laying of plastic. Tomatoes were mostly good, with transplanting and staking gaining momentum. The eggplant crop was mostly good, with active transplanting, staking, and tying. Pepper planting was increasing, while the oldest fields were showing mostly good plant growth and vegetable development. Light seeding of cucumbers were getting underway. A small acreage of snap beans were seeded. In the Southwest, overall tomato condition was fair to good, and high soil temperatures were stressing young transplants. Tomato transplanting very active, with staking and spraying continuing. The squash crop was fair to good, and planting was gaining momentum. Planting of eggplant, peppers, cherry tomatoes, and plum tomatoes was increasing, with condition of all crops fair to good. In Dade County, rainfall aided okra growth, with crop condition being good and harvesting active with good quality and yield. Ground preparations and laying plastic for tomato transplanting was increasing, with most producers expected to start in mid to late October. Snap bean planting was slowly increasing, with a larger acreage expected to be planted in October. In the Quincy area, cool night temperatures were aiding fruit setting on tomato plants that were in good condition. Workers were finishing second ties and beginning to make third ties on tomatoes. Tomato picking is expected to start in late September. In Plant City, strawberry growers were preparing land for transplanting that is expected to start in late September and early October. In the Zellwood area, sweet corn planting continued. In the citrus area, lower temperatures and less rain allowed harvest to begin for the 1997-98 season. Fresh fruit packing houses were shipping limited Ambersweet oranges, Fallglo tangerines, Navels, colored, and white grapefruit. Caretakers were cutting cover crops, spraying, fertilizing, and pushing and burning dead trees. Pasture feed was poor 5%, fair 25%, good 45%, and excellent 25%. Cattle fair 10%, good 80%, and excellent 10%. In the central area, pasture conditions improved and recent rains improved topsoil moisture. However, lack of moisture and the beginning of the seasonal decline of pastures reduced pasture conditions in the north and Panhandle. The quality of bahia grass was reported poor in the north, unless it was mowed. Cattle condition was generally good to excellent throughout the State.

GEORGIA: Days suitable for fieldwork 6.6. Soil moisture 36% very short, 47% short, 17% adequate. Hay 4% very poor, 14% poor, 39% fair, 41% good, 2% excellent. Peanuts 10% dug, 6% 1996, 13% avg. Rye 1% planted, 0% 1996, 0% avg. Sorghum 4% very poor, 11% poor, 32% fair, 50% good, 3% excellent; 21% harvested for grain, 20% 1996, 24% avg. Soybeans 99% blooming, 98% 1996, 99% avg.; 91% setting pods, 89% 1996, 92% avg. Tobacco 99% harvested, 92% 1996, 96% avg. Other small grains 0% planted, 0% 1996, 0% avg. Apples 3% very poor, 4% poor, 6% fair, 82% good, 5% excellent; 45% harvested, 25% 1996, 34% avg. Pecans 1% very poor, 11% poor, 31% fair, 50% good, 7% excellent. Pasture feed 6% very poor, 20% poor, 43% fair, 30% good, 1% excellent. Scattered showers continue to provide little relief to farmers across the State. Warm weather has been beneficial for crop progress, without adequate rainfall crops have suffered. Irrigation is being widely used. Corn harvest continues with conditions dropping slightly. Cotton conditions off slightly. Bolls opening showed progress, still remains several weeks behind. Harvest of peanuts continues with condition mostly fair to good. Soybean development at or near normal. Tobacco harvest is nearing completion. Pecan conditions held steady. Apple prospects good. Pasture, hay conditions down. Activities: Irrigating, baling hay, field soil testing, spraying for insects, preparing for harvest and applying fertilizer and lime to pastures.

HAWAII: Unseasonably warm, humid weather. Irrigation heavy. Close monitoring of insects. Improved weather over weekend. Most crops fair condition. Banana fair to good condition, adequate soil moisture. Production steady. Papaya harvesting active, low in major areas. Head cabbage progress adversely affected by warm temperatures. Sweet corn fair to good. Sluggish sales in some areas. Tomato harvesting moderate, good condition.

IDAHO: Days suitable for fieldwork 6.2. Topsoil 1% surplus, 78% adequate, 21% short. Winter wheat harvested 96%, 99% 1996, 91% average. Scattered rain showers across the State slowed grain, hay, potato harvest. Potatoes turning (vines senescent) 78%, 76% 1996, 81% avg.; vines dying/killed 37%, 27% 1996, 57% avg.; Harvested 6%, 6% 1996,

7% avg. Potato 11% excellent, 57% good, 27% fair, 5% poor. Alfalfa hay harvested (3rd cutting) 44%, 38% 1996, 40% avg. Oats harvested for grain 69%, 68% 1996, 71% avg. Dry peas harvested 84%, 82% 1996, 80% avg. Lentils harvested 50%, 69% 1996, 66% avg. Peaches harvested 81%, 69% 1996, 78% avg. Dry beans harvested 17%, 26% 1996, 24% avg. Hops harvested 37%, 31% 1996, 45% avg. Prunes, plums harvested 71%, 46% 1996, 56% avg. Apples harvested 13, 3% 1996, 7% avg. Mint harvested 81%, 92% 1996, 95% avg. Sweet corn harvested 64%, 78% 1996, 66% avg. Onions harvested 25%, 31% 1996, 31% avg. Corn harvested for silage 7%, 1% 1996, 10% avg. Irrigation water supply 45% excellent, 50% good, 4% fair, 1% poor. Activities: Killing potato vines, harvesting, irrigating, preparing fields for fall grain seeding, seeding winter wheat and alfalfa, straw management.

ILLINOIS: Days suitable for fieldwork 5.3. Topsoil 3% very short, 21% short, 74% adequate, 2% surplus. Development of corn, soybeans was slow last week as light rain, below normal temperatures covered the State. Topsoil supplies have been very consistent the past three weeks, concerns about the continued dryness of the subsoil are being reported. Farmers in the far northern counties are in need of warmer weather to help their crops mature before frost, farmers in the far south started harvesting high moisture corn. Soybeans have begun yellowing in many areas with harvest expected to begin in about two weeks. Farm activities: Hay harvest, preparing combines for harvest, attending demonstration plot tours. Soybeans turning yellow 26%, 12% 1996, 27% avg. Alfalfa hay 3rd cutting 76%, 68% 1996, 74% avg.

INDIANA: Days suitable for fieldwork 6.8. Topsoil 9% very short, 25% short, 65% adequate, 1% surplus. Subsoil 7% very short, 28% short, 64% adequate, 1% surplus. A few locations around the State reported temperatures in the upper 30's late last week. However, no frost was reported. Range, pasture feed 4% very poor, 13% poor, 33% fair, 47% good, 3% excellent. Third cutting of alfalfa 55% complete. Activities: Baling hay, wheat seedbed preparation, mowing pastures and roads, preparing equipment for fall harvest, caring for livestock.

IOWA: Days suitable for fieldwork 5.5. Topsoil very short 10%, short 31%, adequate 57%, surplus 2%. Subsoil very short 13%, short 37%, adequate 48%, surplus 2%. Corn, soybean conditions remained unchanged over the past week; hay, pasture conditions improved slightly. Dry weather, spotty rains continued in the western two-thirds of the State, where several reporters noted that yield potential may have been lost due to the lack of rain. Some seed corn has begun to be harvested. Corn dough stage 94%, 81% 1996, 82% avg.; dent stage 65%, 47% 1996, 55% avg. Soybeans leaves turning color 30%, 13% 1996, 25% avg.; leaves dropping 4%, 0% 1996, 5% avg. Alfalfa hay 3rd harvest 67% complete, 64% 1996, 59% avg.; clover hay 2nd harvest 91%, 91% 1996, 91% avg. Grasshopper population is still high. Corn 2% very poor, 7% poor, 31% fair, 47% good, 13% excellent. Soybean 1% very poor, 7% poor, 30% fair, 48% good, 14% excellent. Hay 7% very poor, 18% poor, 38% fair, 32% good, 5% excellent. Livestock in good condition. Several reports of cows being fed supplemental hay. Pasture feed 11% very poor, 21% poor, 37% fair, 25% good, 6% excellent.

KANSAS: Days suitable for fieldwork 5.8. Topsoil 3% very short, 28% short, 67% adequate, 2% surplus. Subsoil 3% very short, 21% short, 75% adequate, 1% surplus. Sorghum headed 100%, 100% 1996, 97% avg. Sunflowers 1% very poor, 5% poor, 34% fair, 54% good, 6% excellent. Sunflowers begin to petal 100%, bloom 97%; mature 25%; harvested 1%. Third cut alfalfa 99%, 99% 1996, 97% avg.; 4th cut alfalfa 45%, 39% 1996, 35% avg. Stock water supplies 1% very short, 7% short, 90% adequate, 2% surplus. Major field activities: Planting wheat, fertilizing, cutting hay, preparing for row crop harvest. Harvest of corn silage, corn for grain and sorghum for grain has begun in a majority of the State.

KENTUCKY: Days suitable for fieldwork 5.6. Topsoil 11% very short, 37% short, 48% adequate, 1% surplus. Subsoil 14% very short, 35% short, 50% adequate, 1% surplus. Burley tobacco cut 33%, 51% 1996, 57% avg. Dark tobacco cut 51%, 60% 1996, 68% avg.; 5% very poor, 14% poor, 39% fair, 37% good, 5% excellent. Hay 5% very poor, 14% poor, 42% fair, 35% good, 4% excellent, pasture feed 4% very poor, 17% poor, 42% fair, 35% good, 4% excellent.

LOUISIANA: Days suitable for fieldwork 6.5. Soil moisture 11% very short, 49% short, 38% adequate, 2% surplus. Corn 87% harvested, 95% 1996, 84% avg. Cotton 0% harvested, 1% 1996, 1% avg. Harvest just getting underway. Defoliant applications were increasing. Remaining bolls were opening at a rapid rate. Hay 95% 2nd cutting, 87% 1996, 74% avg. Rice 99% headed, 99% 1996, 99% avg.; 85% ripe, 92% 1996, 88% avg. Harvest well underway in the northern parishes, nearing completion in the southern parishes. Sorghum 98% turning color, 99% 1996, 98% avg. Harvest moved rapidly due to the dry weather. Soybeans 51% turning color, 51% 1996, 36% avg.; 9% harvested, 9% 1996, 4% avg. Harvest gained momentum as early varieties quickly reached maturity. Later varieties were sprayed for stinkbugs in some areas. Sugarcane 2% poor, 21% fair, 54% good, 23% excellent; 55% planted, 18% 1996, 36% avg. Cane planting made excellent progress as farmers took full advantage of the dry weather. A large percentage of the crop was planted last week. Sweet potatoes 3% poor, 35% fair, 57% good, 5% excellent; 27% harvested, 21% 1996, 24% avg. Livestock 4% poor, 27% fair, 62% good, 7% excellent. Vegetables 5% very poor, 15% poor, 45% fair, 34% good, 1% excellent.

MARYLAND: Days suitable for fieldwork 6.3. Topsoil 14% very short, 43% short, 42% adequate, 1% surplus. Subsoil 30% very short, 30% short, 40% adequate. Corn 46% very poor, 19% poor, 20% fair, 13% good, 2% excellent. Field corn 85% dough, 87% 1996, 88% avg.; 57% dent, 62% 1996, 68% avg.; 12% mature, 19% 1996, 25% avg.; 22% harvested for silage, 21% 1996, 27% avg. Soybeans 18% very poor, 24% poor, 24% fair, 28% good, 6% excellent; 96% bloomed, 93% 1996, 98% avg.; 83% setting pods, 88% 1996, 87% avg.; 11% turned, 5% 1996, 11% avg. Sorghum 25% very poor, 15% poor, 11% fair, 40% good, 9% excellent. Sweet corn 88% harvested, 86% 1996, 91% avg. Cucumbers 98% harvested, 92% 1996, 94% avg. Lima beans 40% harvested, 29% 1996, 40% avg. Snap beans 80% harvested, 89% 1996, 88% avg. Tobacco 4% poor, 17% fair, 63% good, 16% excellent; 73% harvested, 84% 1996, 65% avg. Apples 6% very poor, 8% poor, 33% fair, 41% good, 12% excellent; 20% harvested, 20% 1996, 25% avg. Cantaloupes 96% harvested, 95% 1996, 96% avg. Peaches 97% harvested, 94% 1996, 92% avg. Watermelons 93% harvested, 86% 1996, 92% avg. Tomatoes 92% harvested, 85% 1996, 87% avg. Hay supplies 17% very short, 41% short, 41% adequate, 1% surplus. Alfalfa hay 71% 3rd cutting, 95% 1996, 95% avg; 35% 4th cutting, 33% 1996, 42% avg. Clover, other hays 90% 2nd cutting, 98% 1996, 96% avg.; 60% 3rd cutting, 59% 1996, 54% avg.; 5% 4th cutting, 9% 1996, 11% avg. Activities: Continued drought conditions north central areas, small rains have had little effect on crop conditions.

MICHIGAN: Days suitable for fieldwork 6.0. Temperatures continue to be below normal. Some areas were hit by frost, there was minimal damage. Crops are still in need of heat degree units very soon. Topsoil 1% very short, 15% short, 82% adequate, 2% surplus. Subsoil 30% short, 68% adequate, 2% surplus. All hay 3rd cutting harvested 40% 1997, 45% 1996, 44% avg. All hay 4th cutting harvested 1% 1997, 0% 1996, 2% avg. All hay crop 3% very poor, 29% poor, 39% fair, 27% good, 2% excellent. Corn milk 90% 1997, 99% 1996, 97% avg. Dry beans leaves turning 68% 1997, 55% 1996, 61% avg. Dry beans mature 8% 1997, 0% 1996, 8% avg. Pasture feed 2% very poor, 28% poor, 43% fair, 25% good, 2% excellent.

MINNESOTA: Days suitable for fieldwork 5.2. Topsoil 1% very short, 13% short, 78% adequate, 8% surplus. Corn 97% dough, 92% 1996, 82% avg.; 59% denting, 41% 1996, 44% avg.; 0% mature, 3% 1996, 3% avg.; 4% silage cut, 6% 1996, 5% avg. Soybeans 34% turning yellow, 36% 1996, 30% avg.; 3% shedding leaves, 9% 1996, 6% avg. Spring wheat 90% harvested, 74% 1996, 65% avg. Oats 98% harvested, 99% 1996, 93% avg. Barley 91% harvested, 79% 1996, 78% avg. Rye 47% seeded, 43% 1996, 35% avg. Winter wheat 56% seeded, 59% 1996, 37% avg. Sweet corn 76% harvested, 73% 1996, 63% avg. Potatoes 12% harvested, 15% 1996, 15% avg. Flax 3% harvested, 7% 1996, 13% avg. Dry beans 14% harvested, 17% 1996, 13% avg. Stubble plowed 45%, 43% 1996, 31% avg. Pasture feed 4% very poor, 12% poor, 31% fair, 47% good, 6% excellent. Corn 1% very poor, 4% poor, 22% fair, 53% good, 20% excellent. Soybeans 2% very poor, 7% poor, 30% fair, 52% good, 9% excellent. Dry beans 2% very poor, 7% poor, 32% fair, 54% good, 5% excellent. Sunflowers 4% very poor, 30% poor,

25% fair, 38% good, 3% excellent. Sugar beets 2% very poor, 4% poor, 33% fair, 51% good, 10% excellent.

MISSISSIPPI: Days suitable for fieldwork 6.7. Soil moisture 11% very short, 48% short, 41% adequate; corn 100% dent, 100% 1996, 100% avg.; 88% mature, 96% 1996, 90% avg.; 49% grain harvested, 51% 1996, 41% avg.; 86% silage harvested, 94% 1996, 86% avg.; 2% very poor, 5% poor, 22% fair, 53% good, 18% excellent. Soybeans 98% blooming, 100% 1996, 100% avg.; 92% setting pods, 100% 1996, 97% avg.; 32% turning color, 59% 1996, 42% avg.; 23% shedding leaves, 45% 1996, 23% avg.; 2% very poor, 10% poor, 26% fair, 51% good, 11% excellent. Peaches 100% harvested, 100% 1996, 100% avg. Sweet potatoes 8% harvested, 26% 1996; 28% avg.; 0% very poor, 6% poor, 38% fair, 27% good, 29% excellent. Watermelons 100% harvested, 100% 1996, 100% avg. Hay (warm season) 88% harvested, 91% 1996, NA avg.; 1% very poor, 7% poor, 35% fair, 53% good, 8% excellent. Cattle 1% very poor, 3% poor, 15% fair, 65% good, 16% excellent. Pasture feed 3% very poor, 9% poor, 27% fair, 48% good, 13% excellent. Activities: Harvesting corn, rice, hay.

MISSOURI: Days suitable for fieldwork 5.9. Topsoil 8% very short, 37% short, 54% adequate, 1% surplus. Soybean, sorghum, corn, cotton crop conditions are virtually the same as a week ago. Soybean development is most advanced in the northern third of the State with 20% or more turning color. Corn is most advanced in the Bootheel, where 83% has reached maturity, 20% has been harvested, while least advanced is the northern third of the State with 17% mature, 4% harvested. Sorghum development is most advanced in the northeastern, southwestern, southeastern districts where 90% is coloring, 20% is mature. Third crop alfalfa 92%, 87% 1996, 85% avg. Pasture feed 6% very poor, 20% poor, 46% fair, 26% good, 2% excellent.

MONTANA: Days suitable for fieldwork 6.6. Topsoil 7% very short, 40% short, 51% adequate, 2% surplus. Subsoil 7% very short, 33% short, 59% adequate, 1% surplus. Harvest of small grains nearing completion. Winter wheat harvested 96%, 99% 1996, 87% avg. Winter wheat seeding delayed in some areas because of high population of grasshoppers. Oats harvested 71%, 86% 1996, 63% avg. Corn for silage harvested 14%, 12% 1996, 13% avg. Dry beans harvested 28%, 16% 1996, 16% avg. Alfalfa hay 2nd cutting 82% complete, 85% 1996, 80% avg. Other hay cutting 94% complete, 100% 1996, 94% avg. Cattle, calves moved from summer ranges 3%, 8% 1996, 6% avg. Sheep, lambs moved from summer ranges 6%, 6% 1996, 7% avg. Livestock reported in good condition.

NEBRASKA: Days suitable for fieldwork 5.7. Subsoil 13% very short, 37% short, 49% adequate, 1% surplus. Topsoil 13% very short, 29% short, 56% adequate, 2% surplus. Above normal temperatures last week continued to boost crop development toward maturity. Corn 2% very poor, 10% poor, 23% fair, 55% good, 10% excellent; irrigated corn 76% good to excellent, dryland corn 44% good to excellent; 97% in dough, 95% 1996, 94% avg.; 61% dented, 52% 1996, 60% avg. Soybean 3% very poor, 9% poor, 39% fair, 44% good, 5% excellent; 33% turning color, 12% 1996, 27% avg.; 4% dropped leaves, 1% 1996 7% avg. Sorghum 4% very poor, 13% poor, 39% fair, 42% good, 3% excellent; 61% turning color, 42% 1996, 46% avg.; 1% mature, 0% 1996, 45% avg. Dry bean 4% poor, 36% fair, 48% good, 12% excellent; 81% turning color 90% 1996, 45% dropped leaves, 48% 1996, 7% harvested, 7% 1996. Alfalfa 7% very poor, 20% poor, 37% fair, 35% good, 1% excellent; 86% 3rd cutting, 85% 1996, 81% avg.; 5% 4th cutting, 5% 1996. Winter wheat 8% planted, 10% 1996, 11% avg.; there were some concerns that high grasshopper concentrations may result in damage to the young crop; various preventive tactics are being considered, such as, insecticide treatments around borders, higher seeding rate on field edges or delayed planting. Pasture feed 10% very poor, 22% poor, 32% fair, 35% good, 1% excellent. Some supplemental feeding.

NEVADA: Irrigation water supplies remain adequate. Seasonal decline of pasture and range forage conditions slowed by rains. Rains interrupted haying and caused some quality loss. Alfalfa 3rd cutting over half complete in northern valleys. Fourth cutting underway extreme south. Grass, native hay harvest nearly complete. Alfalfa seed harvest progressing. Completion of small grain harvests delayed by rains. Garlic, onion, potato harvests slowed. Mint cutting active between rains. Main farm, ranch activities:

Haying, alfalfa seed harvest, bulb harvests, mint harvest, gathering livestock for market.

NEW ENGLAND: Days suitable for fieldwork 5.3. Topsoil 1% very short, 2% short, 87% adequate, 10% surplus. Subsoil 1% very short, 4% short, 86% adequate, 9% surplus. Pasture feed 1% very poor, 16% poor, 27% fair, 50% good, 6% excellent. Maine potatoes excellent to good. Massachusetts potatoes: 60% harvested, 55% 1996, 45% avg.; condition good. Rhode Island potatoes 35% harvested, 30% 1996, 40% avg.; condition good. Oats in Maine 5% harvested, 40% 1996, 60% avg.; condition good. Barley in Maine 20% harvested, 60% 1996, condition good. Field corn condition good to fair. Sweet corn 75% harvested, 85% 1996, 80% avg.; condition good to fair. Shade tobacco 100% harvested, 95% 1996; condition fair to good. Broadleaf tobacco 99% harvested, 90% 1996; condition fair to good. First cut hay 99% harvested, 99% 1996, 99% avg.; condition good to fair. Second cut hay 75% harvested, 75% 1996, 80% avg.; condition good to fair. Third cut hay 45% harvested, 40% 1996, 40% avg.; condition good. Apples 20% harvested, 15% 1996, 15% avg.; fruit size avg.; condition good to excellent. Peaches 80% harvested; 90% 1996, fruit size avg to above avg.; condition good. Pears 15% harvested, 30% 1996; fruit size avg.; condition good. Cranberries fruit size avg to above avg.; condition good to excellent. Highbush blueberries 99% harvested, 95% 1996; fruit size avg to above avg.; condition good to excellent. Wild blueberries 100% harvested; 99% 1996, fruit size avg; condition good. Field corn harvest underway; tobacco, blueberry harvest finishing. Major farm activities: Harvesting cabbage, lettuce, zucchini, summer squash, green beans, peppers, tomatoes, sweet corn, potatoes, pumpkins, winter squash, oats, barley, early apples, peaches, pears; spreading manure and fertilizer; disking down harvested fields, planting cover crops; cutting hay; spraying for weed and insect control.

NEW JERSEY: Days suitable for fieldwork averaged 7 days. Topsoil moisture reported as short to adequate. Main farming activities included irrigating crops, harvesting vegetables, planting cover crops and spraying herbicides, fungicides and pesticides. Farmers are busy harvesting summer items (tomatoes, peppers, cucumbers, potatoes and snap beans). Light harvest of fall items (endive and escarole) has started. Good volume of cucumbers, eggplant, green beans, peppers, squash, tomatoes, pickles and sweet corn. Leafy greens are in light supply. Light harvest of corn for silage. Hay making is active. Pasture conditions reported as fair to good. The peach harvest is approaching its final stage with autumn go, encore and rio-so-gem. Harvesting of apples increasing.

NEW MEXICO: Days suitable for fieldwork 6.4. Topsoil 3% very short, 30% short, 64% adequate, 3% surplus. Hay harvest continued under mostly favorable conditions. Fourth cutting of alfalfa reached 86% complete, 5th cutting 23% completed; 3% poor, 12% fair, 81% good, 4% excellent. Cotton crop maturing slower than last year but ahead of normal for this time of year; 42% bolls open, 65% 1996, 38% avg.; 15% fair, 70% good, 15% excellent. Outlook for the sorghum crop remains favorable; 4% poor, 42% fair, 54% good; 30% coloring, 27% 1996, 28% avg; 1% mature, 0% 1996, 3% avg. Chile harvest reached 45% complete by the end of last week; condition 18% fair, 70% good, 12% excellent. Corn crop condition 8% fair, 84% good, 8% excellent; 59% dent, 80% 1996. Wheat producers continued planting; 18% complete, 32% 1996, 41% avg. Cattle, sheep continued to be in mostly good condition. Pecan producers are expecting a good crop this year; 10% fair, 75% good, 15% excellent. Range, pasture feed conditions continued to look good for this time of the year; 6% poor, 23% fair, 65% good, 6% excellent.

NEW YORK: Days suitable for fieldwork 5.7. Soil moisture 31% short, 69% adequate. Pasture feed 29% poor, 35% fair, 36% good. Corn 17% fair, 83% good. Silage harvest underway. Grain corn maturity behind normal. Winter wheat planting gained momentum. Alfalfa 2nd cutting finished, 3rd cutting 55% complete, 53% 1996, 52% avg. Early dry beans being harvested. Potato harvest more widespread. Oats 95% harvested, 88% 1996, 86% avg. Vegetable harvest in full swing. Crops in good condition. Onion digging continued. Finger Lakes grapes in excellent condition. Development behind normal. Concord grapes in good condition. Coolness slowing ripening. Hudson Valley peach harvest winding down, apple picking gaining momentum. Lake Ontario growers harvesting early varieties of apples.

NORTH CAROLINA: Days were suitable for fieldwork 6.1. Continuing dry weather has reduced topsoil moisture and hurt potential yield prospects. Dry conditions have also stressed plants making them more susceptible to insects, disease. Soil moisture is rated 21% very short, 55% short, 23% adequate, 1% surplus. Activities for the week included: irrigating, harvesting and marketing of flue-cured tobacco; harvesting burley tobacco, apples, corn; cutting silage; cutting hay; scouting and spraying for insects on cotton and soybeans; maintaining pastures; tending livestock; repairing equipment.

NORTH DAKOTA: Days suitable for fieldwork 6. Producers made excellent progress on the small grain harvest as mostly dry conditions persisted during the week. Statewide soil moisture supplies fell slightly from last week. Topsoil 10% very short, 36% short, 51% adequate, 3% surplus. Subsoil 8% very short, 38% short, 51% adequate, 3% surplus. Durum wheat 59% combined; 49% 1996, 39% avg. Late season crops continued to develop at a pace ahead of average, except potatoes, soybeans. Canola 85% swathed and beyond, 36% combined; 83%, 36% 1996; corn for grain 60% denting and beyond, 4% ripe; 68%, 5% 1996, 50%, 6% avg.; corn for silage 8% chopped, 8% 1996, 5% avg.; dry edible beans 79% mature leaves dropping and beyond, 28% cut, 10% combined; 85%, 25%, 15% 1996; 62%, 17%, 9% avg.; flaxseed 47% combined; 24% 1996; 12% avg.; potatoes 54% vines killed and beyond, 9% dug; 47%, 8% 1996; 58%, 13% avg.; soybeans 55% lower leaves yellowing and beyond, 18% mature leaves dropping and beyond; 65%, 16% 1996; 57%, 18% avg.; sunflower 83% ray flowers dried/dropped and beyond, 46% bracts turned yellow and beyond, 10% bracts turned brown and beyond; 85%, 52%, 18% 1996; 78%, 39%, 10% avg. Most late season crop conditions remained stable as the crop approaches maturity. Emerged crop condition: Corn for grain 8% poor, 29% fair, 52% good, 11% excellent; corn for silage 3% very poor, 11% poor, 39% fair, 41% good, 6% excellent; dry edible beans 7% very poor, 12% poor, 27% fair, 50% good, 4% excellent; flaxseed 3% very poor, 13% poor, 34% fair, 47% good, 3% excellent; potatoes 15% very poor, 13% poor, 22% fair, 44% good, 6% excellent; soybeans 3% very poor, 4% poor, 26% fair, 48% good, 19% excellent; sugar beets 5% very poor, 8% poor, 17% fair, 55% good, 15% excellent; sunflower 3% very poor, 6% poor, 26% fair, 52% good, 13% excellent. Pasture feed 13% very poor, 31% poor, 37% fair, 19% good.

OHIO: Days suitable for fieldwork 6.6. Topsoil 10% short, 87% adequate, 3% surplus. Corn in dough stage 2 points behind avg.; dented 22 points behind the avg.; mature 4 points behind avg.; 2% harvested for silage, 3% 1996, 10% avg. Soybeans dropping leaves 4 points behind avg. Alfalfa hay 53% 3rd cutting, 65% 1996, 69% avg. Other hay 32% 3rd cutting, 42% 1996, 39% avg. Tobacco 88% topped; 23% harvested. Summer apples 61% harvested. Potatoes 15% harvested, 34% 1996, 37% avg. Processing tomatoes 14% harvested, 26% 1996, 42% avg. Activities: Mowing ditches, CRP, hay, winter wheat stubble, waterways, weeds, pastures; baling hay, straw; soil testing; hauling, spreading manure on wheat stubble; applying lime to wheat stubble; fall plowing, other types of field preparations; seeding alfalfa, pasture fields, cover crops; scouting fields; spraying herbicides, pesticides; fence maintenance; erecting grain bins; repairing, preparing machinery for harvest; selling grain; buying hay; moving cattle between pastures; attending, preparing for county fairs, field days. In the northern part: Growers harvesting cucumbers, peaches, cabbages. Potato growers spraying potato fields to kill foliage. In the southern part: Growers harvesting peppers. Reported weed pressures: ragweed; Canadian thistles; wild carrot; iron weed; foxtail; other grass, broadleaf weeds. Reported insects: European corn borer, corn rootworm in corn; bean leaf beetle, Japanese beetle, grasshoppers in soybeans; Potato leafhopper in alfalfa. Reported diseases: northern corn leaf blight, gray leaf spots in corn; sclerotinia in soybeans; blue mold in tobacco; blossom end rot, late tomato blight, stem rot in tomatoes; southern blight in peppers. Hay 1% very poor, 10% poor, 31% fair, 50% good, 8% excellent.

OKLAHOMA: Days suitable for fieldwork 6.0. Topsoil 8% very short, 21% short, 70% adequate, 1% surplus. Subsoil 7% very short, 9% short, 83% adequate, 1% surplus. Wheat 76% seedbed prepared, 61% 1996, 71% avg. Corn 19% mature, 29% 1996, 67% avg.; 7% harvested, 10% 1996, 22% avg. Sorghum 93% headed, 99% 1996, 94% avg. Soybeans 94% setting pods, 93% 1996, 83% avg.; 12% mature, 27% 1996, 26% avg. Peanuts 13% mature, 24% 1996, 14% avg. Alfalfa hay 50% 4th cutting, 56% 1996, 66% avg. All other hay 38% 2nd cutting, 73% 1996,

94% avg. Livestock 1% poor, 13% fair, 81% good, 5% excellent. Feeder steer prices down \$2 cwt.

OREGON: Days suitable for fieldwork 6.8. Topsoil 12% very short, 37% short, 51% adequate. Subsoil 13% very short, 32% short, 55% adequate. Barley harvested 88%, 72% 1996, 77% avg. Winter wheat harvested 98%, 99% 1996, 99% average. Activities: Fall field preparations underway statewide. East side grain harvest continued in northeast & Klamath Basin. Showers in extreme Northeast delayed grain harvest, haying. Westside producers continued seed bed preparation, some planting. Mint, hay still being harvested, field corn for silage nearing harvest. Nurseries, greenhouses busy with fall plantings, irrigation. South coast Easter lily growers transplanting yearlings, scales. High quality Christmas trees in short supply, prices increasing. Onion, potato harvest in full swing some areas of East side. Willamette Valley growers continued harvest of sweet corn, green beans. Broccoli, cauliflower, cucumbers, zucchini harvest continued. Tomatoes ripening. Willamette Valley strawberry cultivation, fertilization underway, caneberry pruning, training begun. Some areas still picking ever bearing strawberries, blueberries, thornless blackberries. Prune harvest began, peach harvest still going strong. In some areas hazelnut drop begun. Rogue River Valley Bartlett, Comice, Red pear harvest about finished. A hail storm, in the Rogue Valley, damaged about 20% of pear crop, some of the apple crop. Hood River Valley Bartlett pear harvest finishing up in upper valley, Anjou pear harvest started in lower valley. Gala apple harvest started, Bartlett pear harvest completed in Mid-Columbia area. In Milton-Freewater prune harvest completed, President plums, Gala apples being packed, harvest of Red Delicious apples began. Livestock condition good to excellent. East side pastures, ranges seasonably dry but excellent grass year. Westside pastures started to green up from rain weeks but more fall moisture needed.

PENNSYLVANIA: Days suitable for field work 5.6. Good week for fieldwork. Soil moisture 5% very short, 30% short, 65% adequate. Ensilage corn harvest 13% complete, 10% 1996, 13% avg. Soybean 15% poor, 40% fair, 40% good, 5% excellent. Wheat planted 20% complete, 8% 1996, 10% avg. Barley planted 21% complete, 12% 1996, 12% avg.; emerged 10% complete, 5% 1996, 0% avg. Tobacco harvest 48% complete, 74% 1996, 66% avg. Potato harvest 30% complete, 38% 1996, 36% avg. Alfalfa 3rd cutting 67% complete, 67% 1996, 65% avg.; 4th cutting 35% complete, 22% 1996, 25% avg. Timothy clover 2nd cutting 86% complete, 82% 1996, 84% avg. Quality of hay made 2% very poor, 8% poor, 30% fair, 50% good, 10% excellent. Apple harvest 25% complete, 30% 1996, 28% avg. Peach harvest 82% complete, 74% 1996, 81% avg. Fall plowing 36% complete, 28% 1996, 30% avg. Activities: Harvesting oats; harvesting fruits and vegetables; making hay and haylage; seeding barley and wheat; harvesting tobacco; plowing fields; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 6.4. Soil moisture 20% very short, 54% short, 26% adequate. Apples 37% harvested, 34% 1996, 32% avg.; 19% poor, 26% fair, 50% good, 5% excellent. Corn 100% matured, 99% 1996, 98% avg.; 67% harvested, 60% 1996, 55% avg.; 3% poor, 19% fair, 56% good, 22% excellent. Hay 97% harvested, 97% 1996, 69% avg.; 7% very poor, 13% poor, 33% fair, 42% good, 5% excellent. Peaches 99% harvested, 99% 1996, 98% avg.; 38% poor, 35% fair, 24% good, 3% excellent. Sorghum 36% harvested, 38% 1996, 29% avg.; 5% poor, 32% fair, 50% good, 13% excellent. Soybeans 97% bloomed, 100% 1996, 98% avg.; 87% pods set, 76% 1996, 80% avg.; 15% leaves turning color, 8% 1996, 5% avg.; 3% very poor, 11% poor, 32% fair, 48% good, 6% excellent. Sweet potatoes 9% harvested, 12% 1996, 10% avg.; 11% poor, 33% fair, 56% good. Tobacco 92% harvested, 85% 1996, 84% avg.; 63% stalks destroyed, 42% 1996, 38% avg.; 1% poor, 20% fair, 68% good, 11% excellent. Winter grazings 8% planted, 12% 1996, 9% avg.; 4% emerged, 4% 1996, 3% avg.; 4% very poor, 48% fair, 45% good, 3% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 5.5. Topsoil 3% very short, 12% short, 76% adequate, 9% surplus. Subsoil 2% very short, 9% short, 79% adequate, 10% surplus. Stock water supplies 4% short, 88% adequate, 8% surplus. Major activities by farmers, ranchers harvesting spring wheat, working stubble fields, spraying. Flax 1% poor, 29% fair, 65% good, 5% excellent. Sunflower 1% very poor, 3% poor, 12% fair, 53% good, 31% excellent. Livestock 1% poor, 8% fair, 62% good, 29%

excellent. Winter rye 18% planted, 5% 1996, 10% avg.; 3% emerged. Winter wheat 5% emerged. Sunflower 72% flowers dry, 80% 1996, 77% avg.; 46% bracts yellow, 50% 1996, 49% avg.; 4% mature, 5% 1996, 7% avg. Soybeans 6% mature, 9% 1996, 5% avg. Flax 100% ripe, 100% 1996, 86% avg. Corn silage 5% harvested, 4% 1996, 3% avg. Sorghum silage 4% harvested, 4% 1996, 2% avg.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 17% very short, 33% short, 46% adequate, 4% surplus. Subsoil 15% very short, 34% short, 50% adequate, 1% surplus. Corn 1% very poor, 5% poor, 26% fair, 53% good, 15% excellent; 95% dent, 97% 1996, 94% avg.; 56% mature, 77% 1996, 60% avg.; 9% grain harvested, 16% 1996, 12% avg.; 63% silage harvested, 66% 1996, 60% avg. Tobacco 4% very poor, 20% poor, 38% fair, 35% good, 3% excellent; 86% topped, 94% 1996, 96% avg.; 50% burley harvested, 56% 1996, 57% avg.; 67% Air-cured harvested, 62% 1996, 65% avg.; 57% fire-cured harvested, 63% 1996, 65% avg. Sorghum 4% poor, 25% fair, 65% good, 6% excellent; 90% coloring, 70% 1996, 87% avg.; 48% mature, 44% 1996, 49% avg.; 4% grain harvested, 6% 1996, 10% avg. Pasture feed 3% very poor, 16% poor, 35% fair, 41% good, 5% excellent. Many areas in State received scattered rain showers around 1st and 2nd. However, the rain was not enough to bring relief to the soybean, tobacco crops, nor to pastures and hay fields. On the positive side, farmers did benefit from the average 6 days available for fieldwork to harvest tobacco, corn, sorghum. Tobacco, corn silage harvest continues to progress near the five-year average pace, as corn, sorghum for grain harvest gets underway.

TEXAS: Cooler temperatures associated with the frontal passage moved into the State at mid-week. However, by week's end, warm weather returned. Rainfall was scattered as the front moved through the State. Some areas in the Hill Country and Blacklands received very good rains, while most other areas received only a trace. Fieldwork was active until mid-week, when delays occurred in wetter areas. The rainfall was beneficial to pastures and small grain producers as they prepared land for planting. Livestock conditions remained good across the State. Crops: Small grain planting was active for most of the week in the plains where only light amounts of rain fell with the front. More rain was needed to help emergence. Land preparations moved ahead in other areas, with planting increasing in the Blackland fields. Additional moisture was needed in all areas to ensure good planting conditions and to aid germination. Winter wheat growth was 1% emerged, compared with 1% in 1996 and the 2% avg. Corn harvest for grain in the plains began on a limited basis during the week as the silage harvest declined. Harvest also moved ahead in the north-central areas. Harvest winding down in the Blacklands was virtually completed in the south-central areas. Harvest continued along the Upper Coast, where late-season dryness has affected yields in some fields. In the High Plains, the cotton crop continued to look good, with recent rainfall continuing to set bolls. Many bolls were beginning to open. Bolls also were opening in the north-central fields. Harvest began in the Blacklands, with many harvest aids being applied. Harvest was increasing in the central areas and winding down in the coastal Bend. Harvest along the Upper Coast continued without much delay, with good quality cotton reported. Harvest was virtually completed in the Rio Grande Valley, with 11% harvested, compared with 15% in 1996 and the 17% avg. Grain sorghum fields continued to mature in the plains. Harvest increased in the north-central areas, while harvest in many central areas was completed. Harvest was winding down along the Upper Coast, with minimal delays during the week. Peanut harvest was underway in a few fields in the south-central areas, where a very good crop is expected. Harvest is expected to begin soon in the Plains and north-central area, where crop progress has been good. Some disease and mite problems have appeared with 2% harvested, compared with 0% in 1996 and the 3% avg. Rice harvest continued without much delay along the Upper Coast. Harvest of early-variety soybeans continued along the Upper Coast, while producers prepared for harvest of the late varieties. Late-season dry conditions have affected yields. Fields were reaching maturity in the plains with 30% harvested, compared with 39% in 1996 and the 26% avg. Sugar beet fields continued to make good progress in the High Plains. Other crop progress was oats planted 2%, compared with 1% in 1996 and the 3% avg., and sunflowers harvested 19%, compared with 5% in 1996 and the 7% avg.

Commercial Vegetables: In the Rio Grande Valley, land preparations continued, with some planting underway. Scattered rain helped with soil moisture. In the San Antonio-Winter Garden, some whitefly problems have

occurred in watermelon fields. Land preparations continued. In the High Plains, pepper harvest continued. In the east, sweetpotato harvest continued. Most other vegetable harvests have been completed. In the Trans-Pecos region, a few fields of cantaloups remained for harvest. Reports of a very good pecan crop continued in most central and southern areas. A recent lack of rainfall in some areas may affect nut filling. Shuckworm problems have become more prevalent in some groves.

Range and Livestock: Growth of many pastures and ranges has recently been limited. However, scattered rain associated with last week's front brought relief to some areas. Additional hay cutting occurred in parts of the east. Livestock conditions remained good, with weaning weights up on both fall and spring born calves.

UTAH: Days suitable for fieldwork 5. Topsoil 14% short, 78% adequate, 8% surplus. Subsoil 24% short, 71% adequate, 5% surplus. Irrigation water supplies 11% short, 74% adequate, 15% surplus. Stock water 3% very short, 16% short, 79% adequate, 2% surplus. Oats harvested for grain 68%, 72% 1996, 78% avg. Corn doughed 63%, 64% 1996; dented 16%, 23% 1996. Alfalfa hay 3rd cutting 44%, 64% 1996, 55% avg. Peaches picked 66%, 78% 1996, 81% avg. Pears picked 47%, 26% 1996, 65% avg. Apples picked 14%, 24% 1996, 16% avg. Onions 17%, 29% 1996, 25% avg. Cattle moved from summer range 5%, 14% 1996, 15% avg. Sheep moved from summer range 4%, 6% 1996, 11% avg. Pasture feed, range 3% very poor, 4% poor, 16% fair, 62% good, 15% excellent. Major farm, ranch activities were: Harvesting hay, combining small grains, picking fruit.

VIRGINIA: Days suitable for fieldwork 6.4. Topsoil 50% very short, 40% short, 10% adequate. Subsoil 45% very short, 40% short, 15% adequate. Corn 99% silked, 100% 1996, 100% avg.; 88% dough, 87% 1996, 95% avg.; 67% dent, 64% 1996, 73% avg.; 44% mature, 41% 1996, 55% avg.; 6% harvested, 5% 1996, 13% avg.; 20% corn silage harvested, 26% 1996, 34% avg.; 10% very poor, 32% poor, 35% fair, 22% good, 1% excellent. Soybeans 87% bloomed, 93% 1996, 97% avg.; 72% setting pods, 71% 1996, 81% avg.; 9% dropping leaves; 10% very poor, 29% poor, 38% fair, 22% good, 1% excellent. Cotton 3% very poor, 25% poor, 36% fair, 31% good, 5% excellent. Summer Apples 87% harvested, 83% 1996, 76% avg.; 5% very poor, 8% poor, 34% fair, 48% good, 5% excellent. Peaches 93% harvested, 96% 1996, 99% avg. Flue tobacco 38% harvested, 51% 1996, 56% avg.; 2% very poor, 9% poor, 25% fair, 49% good, 15% excellent. Burley tobacco 23% harvested, 34% 1996, 32% avg.; 8% very poor, 20% poor, 25% fair, 47% good. Dark fire cured tobacco 61% harvested, 69% 1996, 70% avg.; 1% very poor, 8% poor, 41% fair, 45% good, 5% excellent. Sun cured tobacco 40% harvested, 59% 1996, 62% avg.; 5% poor, 55% fair, 40% good. Peanuts 1% very poor, 9% poor, 47% fair, 37% good, 6% excellent. Pasture feed 34% very poor, 30% poor, 28% fair, 8% good. Alfalfa 10% very poor, 35% poor, 35% fair, 20% good. Other hay 20% very poor, 35% poor, 35% fair, 10% good. Scattered showers fell across some southeastern, southwestern localities earlier during the week. Some isolated localities received as much as two inches. However, moisture supply levels as well as crop condition continue to deteriorate throughout most localities in Virginia. Grain corn harvest is slowly gaining momentum, although running slightly ahead of last year but behind the five year average. Many producers continue to report poor ear quality and poor grain fill as the crop reaches maturity under such dry conditions. Pasture conditions deteriorated in many localities forcing beef producers to look for alternative feed sources. In addition, some beef producers are concerned with water shortages as streams, ponds, springs are drying out. Continued supplemental feeding in addition to little or no second cutting of hay has many producers concerned about hay supplies. Producers are busy harvesting and marketing tobacco, scouting and spraying corn, soybeans, peanuts and cotton. Producers were also busy preparing harvesting equipment. Other activities include vegetable harvesting and marketing livestock.

WASHINGTON: Days suitable for fieldwork 6.4. Topsoil 35% short, 64% adequate, 1% surplus. Subsoil 10% short, 90% adequate. Wheat, barley harvests were very close to complete. Winter wheat seeding continued. Corn 100% good; silage 20% harvested, 22% 1996, 24% avg. Silage corn in western areas was reported as growing extremely well in

warm, moist conditions. Potatoes 4% poor, 10% fair, 80% good, 6% excellent; 30% harvested, 26% 1996, 23% avg. Dry beans 100% good; 45% harvested, 14% 1996, 19% avg. Hay, other roughage supplies 10% short, 78% adequate, 12% surplus. Third cutting of alfalfa continued. Some late haying was delayed because of rain. Range, pasture feed 8% very poor, 5% poor, 20% fair, 66% good, 1% excellent. Pasture conditions were generally good for this time of year with some areas benefitting from rain showers. Apple and pear harvests continued. D'Anjou, Bosc pears were the main varieties picked. Gala apple harvest began to wind down with Golden Delicious apples expected to be harvested soon. Good weather conditions enhanced fruit color, caused minimal sunburn. West of the Cascades, many unsprayed apples and pears were afflicted with scab. Blueberry harvest was nearing completion. Potato, carrot, sweet corn, onion harvesting continued. Pumpkins began to ripen early.

WEST VIRGINIA: Days suitable for fieldwork 5.9. Topsoil 5% very short, 38% short, 57% adequate. Corn 5% very poor, 23% poor, 36% fair, 35% good, 1% excellent; 86% dough stage, 81% 1996, 84% avg.; 32% dent stage, 52% 1996; 4% mature, 15% 1996, 40% avg.; 1% harvested grain, 0% 1996, 8% avg. Hay 1% very poor, 10% poor, 35% fair, 51% good, 3% excellent; 2nd cutting 81%, 84% 1996, 81% avg.; 3rd cutting 27%, 31% 1996, 52% avg. Oats 93% harvested, 100% 1996, 98% avg. Soybeans 6% poor, 68% fair, 26% good; 95% setting pods, 96% 1996, 94% avg.; 41% dropping leaves, 13% 1996. Tobacco 6% poor, 33% fair, 59% good, 2% excellent; 99% topped, 96% 1996, 99% avg.; 42% harvested, 45% 1996, 53% avg. Apple 60% fair, 33% good, 7% excellent. Cattle 2% poor, 22% fair, 73% good, 3% excellent. Sheep 1% poor, 31% fair, 67% good, 1% excellent. Activities: Making hay, harvesting apples, corn, oats, topping and harvesting tobacco, soil preparation for winter wheat planting, marketing cattle.

WISCONSIN: Days suitable for fieldwork 4.8. Soil moisture 3% short, 84% adequate, 13% surplus. Crops seem to be maturing very slowly, statewide. It is difficult to find dented corn at this time. Farmers were receiving not only cold weather, wet weather also. A reporter in Burnett County recorded five inches of rain last 1st in about two hours. Other reports of heavy rains came from Outagamie County, where water was left standing in many fields. Third crop hay harvest crawled to 52% complete, compared to 58% 1996, 49% avg. Some farmers in Ashland, Forest, Pepin, Monroe counties noted second crop was still pending. Most hay cut may go towards haylage due to the wet weather conditions. Some farmers in Buffalo, Jackson, Winnebago counties have begun chopping corn silage. A reporter from Manitowoc County commented that the corn stalk moisture tested around 76% on three different varieties. Many reporters from the southern half of the state noticed some white mold in soybean fields. Soybean leaves turning color were at 22%, compared to 14% 1996, 18% avg. Soybean 2% poor, 12% fair, 54% good, 32% excellent. A reporter from Ashland County noted oat yields from 60-65 bushels per acre, with good, heavy weight. Also, barley yields averaged around 40 bushels per acre. A reporter from Jefferson County observed sweet corn was very high in quality. Kidney bean harvest has begun in Dunn County. Tobacco yields were reported primarily excellent in Vernon County, with still some harvest acreage pending. Pasture feed 5% poor, 23% fair, 57% good, 15% excellent.

WYOMING: Days suitable for fieldwork 6.7. Topsoil 1% very short, 30% short, 68% adequate, 1% surplus. 1998 winter wheat 41% planted, 50% 1996, 40% avg.; 14% emerged, 12% 1996, 11% avg. Barley 96% mature, 100% 1996, 97% avg.; 85% harvested, 89% 1996, 84% avg. Oats 94% mature, 100% 1996, 96% avg.; 70% harvested, 72% 1996, 69% avg. Spring wheat 100% mature, 100% 1996, 97% avg.; 82% harvested, 89% 1996, 74% avg. Corn 78% dented, 55% 1996, 40% avg.; 40% mature, 0% 1996, 9% avg.; 15% harvested for silage, 23% 1996, 17% avg. Dry beans 57% windrowed, 72% 1996, 50% avg.; 19% combined, 32% 1996, 19% avg. Alfalfa 85% 2nd cutting complete, 91% 1996, 84% avg.; 6% 3rd cutting complete, 16% 1996, 18% avg. Other hay harvested 94%, 96% 1996, 97% avg. Range, pasture feed 2% very poor, 3% poor, 20% fair, 61% good, 14% excellent. Livestock in mostly good condition. Stock water supplies 4% short, 95% adequate, 1% surplus.

International Weather and Crop Summary

August 31 - September 6, 1997

HIGHLIGHTS

FSU-WESTERN: In Russia and Ukraine, several days of dry weather favored rapid spring grain harvesting and planting of 1998 winter grain crops.

FSU-NEW LANDS: Mostly dry weather continued to aid spring grain harvesting in Kazakstan, while unseasonably cool, damp weather in northern Russia slowed spring grain maturation.

EUROPE: Unseasonably mild weather along with diminishing precipitation boosted summer crop development and favored late spring grain harvesting.

AUSTRALIA: Widespread, locally heavy rain swept across the primary winter grain regions.

SOUTH ASIA: The southwest monsoon appeared to be withdrawing from the region on schedule.

CANADA: Spring grain and oilseed harvests progressed across the Prairies, encumbered by rain only in northernmost areas.

SOUTHEAST ASIA: In Java, dry weather stressed rainfed second-season crops, while showers continued to boost moisture supplies for main-season crops across Thailand.

EASTERN ASIA: Scattered, light rain brought little relief to filling summer crops across the North China Plain. Rain is also needed for winter wheat planting, which typically begins by mid-September.

SOUTH AMERICA: In Argentina, rain boosted topsoil moisture for germinating wheat across Argentina, especially in southern Santa Fe and Cordoba.

MEXICO: Below-normal rainfall continued to stress filling corn in the western corn belt.

August 1997

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

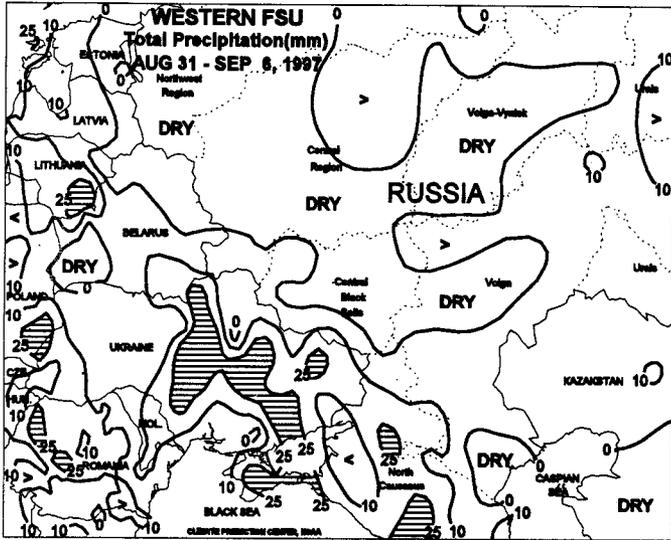
COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)	
	AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	DPART TOTAL F/NRM
NORWAY OSLO	25	14	29	11	19	5.4	52 -37
SWEDEN STOCKHOLM	26	15	30	8	21	4.7	33 -32
FINLAND HELSINKI	24	13	28	2	18	3.2	83 -17
UKINGDO GLASGOW	22	13	28	5	17	1.8	22 -88
EDINBURGH	21	13	28	6	17	2.4	33 -32
BIRMINGHAM	25	14	32	8	19	3.6	88 21
LONDON	25	15	30	8	20	3.8	105 50
IRELAND DUBLIN	20	13	24	7	18	1.2	76 4
ICELAND REYKJAVIK	14	9	18	5	12	1.2	122 61
DENMARK COPENHAGEN	25	17	30	10	21	3.7	15 -51
LUXEMBO LUXEMBOURG	26	16	32	11	21	4.4	48 -23
SWITZERL ZURICH	25	15	30	11	20	3.3	115 -21
GENEVA	27	18	31	10	21	3.2	88 7
FRANCE PARIS/ORLY	29	18	34	13	23	***	78 **
STRASBOURG	29	16	32	12	22	3.3	45 -23
BORGES	29	17	34	13	23	4.3	75 15
BORDEAUX	30	18	38	13	24	4.4	88 33
TOULOUSE	29	19	35	13	24	3.5	139 82
MARSEILLE	30	20	33	15	25	2.3	53 25
SPAIN VALLADOLID	30	16	36	9	23	1.8	83 71
MADRID	32	17	39	8	25	1.1	31 21
SEVILLE	34	21	40	17	27	-0.8	1 -3
PORTUGA LISBON	28	18	35	15	23	0.5	23 18
GERMANY HAMBURG	27	16	33	10	21	4.7	86 17
BERLIN	**	**	32	12	**	***	** **
DUSSELDORF	27	16	33	12	21	3.1	50 -28
LEIPZIG	27	15	31	12	21	3.5	80 21
DRESDEN	26	15	30	12	21	2.7	37 -35
STUTTART	26	14	32	10	20	3.4	67 -32
NURNBERG	26	14	31	10	20	2.5	28 -38
AUSTRIA VIENNA	26	14	29	12	20	0.6	57 -5
INNSBRUCK	25	13	30	8	19	1.9	125 6
CZECHRE PRAGUE	25	13	29	10	19	1.5	55 -14
POLAND WARSAW	25	14	28	10	19	1.7	38 -22
LODZ	24	13	28	7	19	2.0	26 -41
KATOWICE	24	12	28	8	18	1.4	72 -19
PRZEMYSL	23	12	26	8	17	0.2	45 -32
HUNGARY BUDAPEST	26	16	32	13	22	1.7	41 -11
YUGOSLA BELGRADE	26	17	31	13	21	0.0	147 83
ROMANIA BUCHAREST	27	15	32	10	21	-1.5	136 83
BULGARIA SOFIA	24	14	31	10	19	0.5	108 70
ITALY MILAN	30	19	33	12	25	2.5	65 -27
VERONA	29	18	32	13	24	0.8	9 -83
VENICE	28	18	31	14	23	0.8	50 -32
GENOA	28	23	32	19	26	1.2	129 75
ROME	30	17	33	12	24	-0.2	21 -10
NAPLES	31	20	36	18	25	1.5	82 38
GREECE THESSALONIKA	30	19	33	16	24	-1.3	24 3
LARISSA	31	17	36	14	24	-2.0	78 59
ATHENS	31	23	33	19	27	-0.9	3 0
TURKEY ISTANBUL	26	19	31	16	23	-0.6	58 37
ANKARA	26	12	32	8	19	-4.0	47 10
CYPRUS LARNACA	31	21	33	18	26	-1.8	1 0
ESTONIA TALLINN	24	13	30	4	19	3.4	10 -87
LITHUANI KALNAS	25	13	29	7	19	2.7	54 -12
BELARUS MINSK	24	13	28	7	18	1.8	29 -44
RUSSIA KAZAN	21	11	32	6	18	-1.2	68 -1
MOSCOW	22	12	28	7	17	0.9	67 -7
YEKATERINBURG	18	11	30	2	14	-1.2	182 97
OMSK	22	11	33	2	18	0.3	99 45
NOVOSIBIRSK	21	12	32	3	17	0.3	68 15
BARNAUL	24	13	34	5	18	1.7	84 32
KHABAROVSK	24	15	28	13	20	0.3	303 154
VLADIVOSTOK	22	18	28	15	20	0.3	122 -34
SARATOV	24	15	32	9	19	0.7	15 -26
VOLGOGRAD	26	16	33	9	22	-0.7	24 -8
ROSTOV	**	**	29	17	**	***	** **
ASTRAKHAN	31	18	35	13	24	0.9	45 27
KRASNODAR	27	18	31	13	22	-0.8	248 192
ORENBURG	25	11	34	6	18	-1.3	23 -9

Based on Preliminary Reports

August 1997

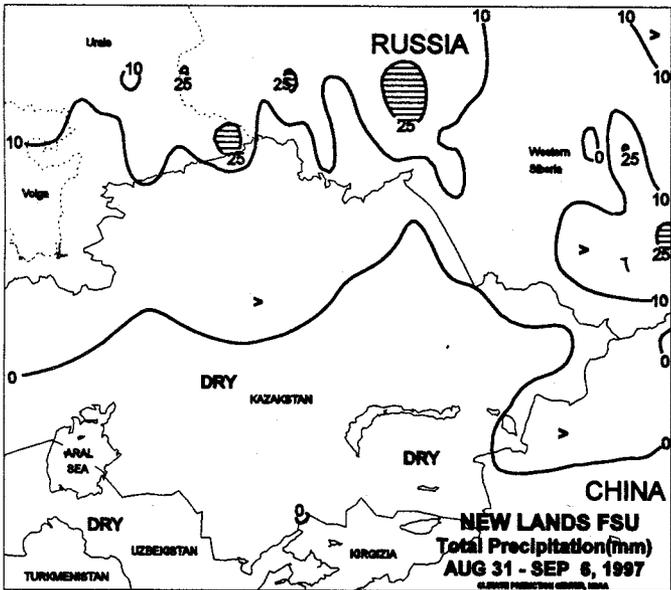
COUNTRY CITY	TEMPERATURE (C)							PRECIPITATION (MM)		COUNTRY CITY	TEMPERATURE (C)							PRECIPITATION (MM)	
	AVG MAX	AVG MIN	HI	LO	AVG	D PART F/NRM	TOTAL	D PART F/NRM	AVG MAX		AVG MIN	HI	LO	AVG	D PART F/NRM	TOTAL	D PART F/NRM		
KAZAKHS TSELINOGRAD	25	12	34	4	18	0.7	42	2	ZIMBABW HARARE	25	10	28	6	17	1.9	0	-2		
KARAGANDA	26	13	38	4	19	1.8	9	-24	S AFRICA PRETORIA	24	7	29	2	16	1.2	4	-1		
GEORGIA TBILISI	32	20	38	16	26	2.1	45	-1	JOHANNESBURG	21	6	26	2	13	0.9	3	-3		
UZBEKIST TASHKENT	35	18	40	12	26	0.7	0	-2	BETHAL	22	3	27	-4	13	1.3	14	5		
TURKMENI ASHKHABAD	37	21	41	14	29	0.3	1	0	DURBAN	24	14	36	8	19	1.0	60	-2		
SYRIA DAMASCUS	35	17	37	12	26	-0.6	0	0	CAPE TOWN	18	9	29	3	13	1.0	74	-4		
ISRAEL JERUSALEM	28	17	32	15	23	-0.3	0	0	CANADA TORONTO	24	13	32	9	19	-0.6	72	-12		
PAKISTAN KARACHI	33	28	37	24	30	1.2	27	-37	MONTREAL	24	14	30	10	19	-0.4	107	6		
INDIA AMRITSAR	33	25	36	21	29	-0.8	218	38	WINNIPEG	25	11	33	4	18	-0.6	64	-11		
NEW DELHI	33	26	36	24	30	0.0	132	-123	REGINA	27	10	37	2	18	0.3	34	-7		
AHMEDABAD	32	25	36	24	29	0.4	322	71	SASKATOON	26	10	39	1	18	0.4	49	13		
INDORE	29	22	32	20	26	0.6	178	-134	LETHBRIDGE	27	10	36	2	18	0.4	49	6		
CALCUTTA	32	26	36	25	29	0.1	617	329	CALGARY	24	8	34	3	16	0.1	57	8		
VERAVAL	30	26	32	23	28	1.1	110	-68	EDMONTON	23	11	34	7	17	0.5	53	-14		
BOMBAY	30	26	32	24	28	1.2	401	-260	VANCOUVER	23	15	28	13	19	1.7	41	3		
POONA	27	22	29	20	24	-0.1	223	98	MEXICO GUADALAJARA	**	**	30	15	**	**	**	**		
BEGAMPET	31	22	33	21	26	0.4	157	-3	MEXICO CITY	**	**	28	12	**	**	**	**		
VISHAKHAPATNAM	32	28	36	23	29	**	306	**	ACAPULCO	**	**	35	24	**	**	**	**		
MADRAS	36	28	39	23	31	1.3	96	-58	BERMUDA ST. GEORGES	30	25	30	21	27	-0.1	319	173		
MANGALORE	29	23	30	22	26	-0.3	1118	541	BAHAMAS NASSAU	32	25	35	21	29	0.7	225	-1		
HONGKO KINGS PEAK	30	26	33	24	28	**	638	**	JAMAICA KINGSTON	33	26	36	19	30	1.3	38	-48		
N KOREA PYONGYANG	26	20	32	16	24	-0.3	111	-121	P RICO SAN JUAN	32	25	33	23	28	0.1	175	47		
S KOREA SEOUL	31	23	34	18	27	1.9	137	-87	GUADELO RAIZET	32	25	33	23	28	1.1	119	-12		
JAPAN SAPPORO	24	18	31	14	21	-0.8	223	77	MARTINIQ LAMENTIN	31	25	32	23	28	1.1	224	-18		
NAGOYA	32	24	35	21	28	0.8	84	-82	BARBADO BRIDGETOWN	30	24	31	16	27	-0.5	231	85		
TOKYO	31	24	35	19	27	0.3	188	20	TRINIDAD PORT OF SPAIN	32	24	34	23	28	1.2	204	-31		
YOKOHAMA	30	24	34	19	27	0.7	71	-61	COLOMBI BOGOTA	**	**	23	0	**	**	15	-25		
KYOTO	33	24	36	20	29	1.1	77	-99	VENEZUE CARACAS	32	24	34	20	28	1.0	21	-31		
OSAKA	33	25	35	22	29	0.7	152	57	F GUIANA CAYENNE	32	22	33	20	27	0.9	69	-96		
THAILAND PHETCHABUN	32	24	34	22	28	0.8	213	14	BRAZIL FORTALEZA	30	23	32	21	27	0.5	4	-24		
BANGKOK	33	26	35	24	30	1.0	123	-74	RECIFE	27	21	29	19	24	0.2	123	-80		
MALAYSIA KUALA LUMPUR	33	25	34	22	29	2.4	37	-99	BELO HORIZONTE	26	16	30	10	21	0.4	0	-16		
VIETNAM HANOI	33	27	38	24	30	1.8	429	86	CAMPO GRANDE	**	**	35	11	**	**	13	-32		
CHINA HARBIN	27	18	31	13	22	0.5	200	96	FRANCA	**	**	29	9	**	**	0	-23		
HAMI	32	17	40	5	25	-0.3	14	9	RIO DE JANEIRO	**	**	27	16	**	**	**	**		
LANCHOW	29	17	35	12	23	1.6	80	6	LONDRINA	26	14	32	7	20	1.8	42	-14		
BEIJING	31	22	34	18	27	1.9	56	-126	SANTA MARIA	23	13	34	2	18	3.3	160	23		
TIENTSIN	33	23	36	19	28	1.6	62	-97	PORTO ALEGRE	22	12	34	5	17	1.7	372	258		
LHASA	23	10	27	3	16	0.7	80	-52	PERU LIMA	24	20	25	19	22	5.4	0	-2		
KUNMING	25	16	28	13	21	1.3	310	105	BOLIVA LA PAZ	13	-3	17	-7	5	-1.9	9	-6		
CHENGCHOW	34	23	37	19	28	2.8	40	-73	CHILE SANTIAGO	18	5	26	-2	12	2.2	89	41		
YECHANG	35	24	38	22	30	2.1	97	-87	ARGENTIN IGUAZU	24	13	34	5	19	**	266	**		
HANKOW	34	27	36	22	30	1.5	56	-72	FORMOSA	25	15	35	6	20	2.2	29	-32		
CHUNGKING	37	26	41	23	31	**	42	**	CERES	23	9	38	-2	16	1.9	58	35		
CHIHKIANG	34	23	37	19	29	1.4	37	-80	CORDOBA	21	7	37	-2	14	1.8	1	-10		
WU HU	32	24	37	21	28	**	222	**	RIO CUARTO	19	7	37	-1	13	1.8	22	7		
SHANGHAI	31	26	34	22	28	**	458	**	ROSARIO	19	8	33	-4	14	2.1	46	9		
NANCHANG	31	25	34	24	28	-0.7	238	139	BUENOS AIRES	18	9	32	-5	13	2.6	91	33		
TAIPEI	32	26	35	23	29	0.9	601	316	SANTA ROSA	17	5	29	-3	11	1.2	14	-10		
GANTON	32	26	37	24	29	0.2	342	134	TRES ARROYOS	15	6	30	-4	10	1.8	35	-9		
NANNING	32	26	36	24	29	0.7	302	84	NEW NOUMEA	23	16	25	14	19	-0.4	21	-50		
CANARY I LAS PALMAS	27	21	29	12	24	0.0	0	0	FIJI NALSORI	24	20	28	14	22	-0.5	226	86		
MOROCC CASABLANCA	26	21	30	18	23	0.7	1	0	SAMOA PAGO PAGO	**	**	32	13	**	**	118	-52		
MARRAKECH	34	20	39	17	27	-1.3	0	-3	TAHITI PAPEETE	28	21	31	17	25	0.2	37	-11		
ALGERIA ALGER	31	20	36	15	26	0.7	31	28	AUSTRALI DARWIN	30	21	33	16	25	-0.6	5	-3		
BATNA	33	18	40	12	26	1.6	12	-8	BRISBANE	21	9	24	2	15	-1.2	1	-45		
TUNISIA TUNIS	34	23	42	19	28	1.7	33	27	PERTH	18	8	21	3	13	-0.3	124	13		
NIGER NIAMEY	35	26	40	21	30	2.6	79	-87	CEDUNA	17	5	25	0	11	-1.2	36	1		
MALI TIMBUKTU	**	**	45	23	**	**	15	-49	ADELAIDE	14	7	20	2	11	-0.9	78	27		
BAMAKO	31	**	34	21	**	**	214	-66	MELBOURNE	14	5	19	-3	9	-1.7	31	-20		
MAURITAN NOUAKHOTT	33	24	39	21	29	0.4	21	-8	WAGGA	13	3	18	0	8	-1.0	45	-14		
SENEGAL DAKAR	30	26	34	25	28	0.8	67	-95	CANBERRA	12	-1	16	-7	6	-1.1	27	-24		
CHAGOS DIEGO GARCIA	**	25	31	22	**	**	80	-104	INDONESI DJAKARTA	**	**	34	19	**	**	**	**		
LIBYA TRIPOLI	35	23	42	19	29	2.9	0	0	PHILIPPI MANILA	31	26	34	24	29	1.3	773	208		
BENGHAZI	30	22	34	20	26	-0.5	0	0											
EGYPT CAIRO	33	23	37	21	28	0.0	0	0											
ASWAN	41	27	45	24	34	0.7	0	0											
ETHIOPIA ADDIS ABABA	22	12	23	10	17	1.1	141	-124											
KENYA NAIROBI	**	12	28	9	**	**	11	-3											
TANZANIA DAR ES SALAAM	30	18	37	10	24	0.3	6	-21											
TOGO LOME	29	23	31	21	26	0.8	15	-11											
BURKINA OUAGADOUGOU	32	24	35	21	28	1.5	143	-76											
COTE D'I ABIDJAN	27	22	29	20	24	-0.1	3	-37											
MOZAMBI MAPUTO	27	16	34	12	21	1.3	1	-12											
ZAMBIA LUSAKA	**	**	32	7	**	**	0	0											

Based on Preliminary Reports



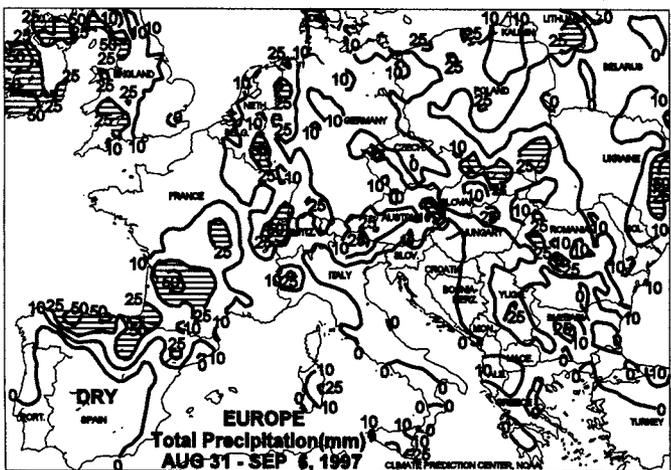
FSU-WESTERN

In Russia, mostly dry weather prevailed over most areas, except in the North Caucasus region, where light showers (10-25 mm) fell early in the week. The dry weather allowed spring grain harvesting and winter grain planting to progress rapidly. Reports as of September 6, 1997 indicated that harvest of small grains and pulses, excluding corn, was 65 percent completed. On September 1, the first sub-freezing temperatures of the season (-1 to -4 degrees C) occurred in extreme northern areas in Russia (northernmost areas in the Central Region, northern Volga Vyatsk, and upper Volga Valley). Although the freeze occurred about 10 days earlier than average, it had little, if any, impact on maturing crops. In Ukraine, light to moderate showers (10-25 mm, with local amounts in excess of 40 mm) fell over the eastern two-thirds of the country early in the week. The precipitation benefited summer crops in the filling stage and increased topsoil moisture for winter grain planting. On September 2, dry weather began over Ukraine and continued until week's end, benefiting late spring grain harvesting and early winter wheat planting. September is the optimum month for planting winter wheat in Ukraine. Weekly temperatures averaged 3 to 6 degrees C below normal in Russia and the eastern two-thirds of Ukraine, slowing summer crop maturation. Elsewhere, unseasonably warm, dry weather continued in Belarus and the Baltics, favoring late spring grain harvesting and winter grain planting.



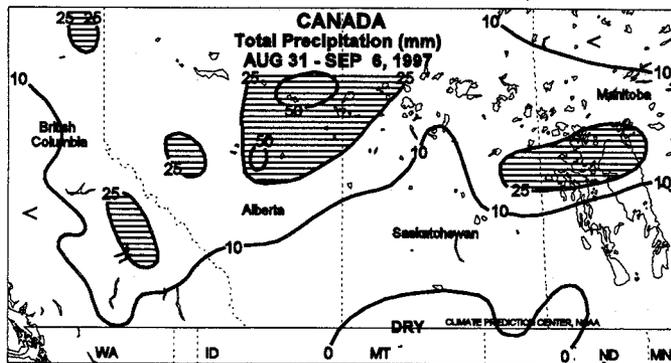
NEW LANDS

In Russia, unseasonably cool weather was accompanied by frequent light showers, favoring immature spring grains but slowing crop development. Spring grains in the northern Urals and northern areas in Siberia likely remained in the filling stage. Weekly temperatures averaged 2 to 6 degrees C below normal in Russia, and minimum temperatures fell below freezing at scattered locations during the week. The lowest temperatures ranged from -1 to -2 degrees C, with isolated locations in Eastern Siberia reporting temperatures less than -2 degrees C. Although temperatures did not fall low enough to cause significant damage to immature spring grains, some localized damage likely occurred, especially in Eastern Siberia. In Kazakhstan, the fourth consecutive week of dryness allowed spring grain harvesting to progress rapidly. In cotton growing areas of Central Asia, warm, dry weather favored crop maturation and early harvest activities. Typically, cotton harvesting begins in mid-September and continues through November.



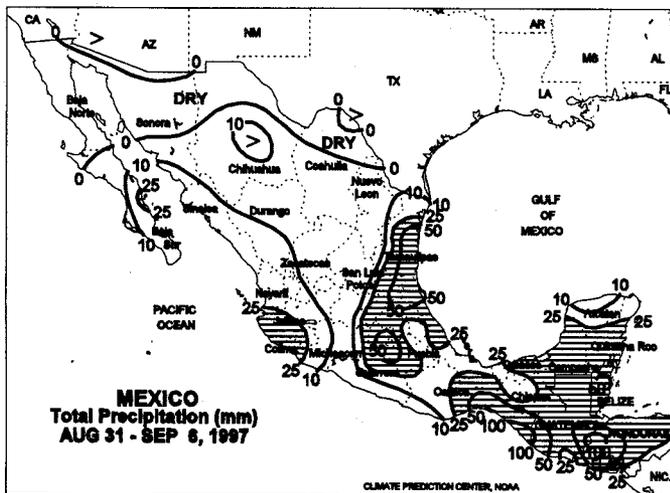
EUROPE

Unusually warm weather prevailed over most of the continent (weekly temperatures averaging 2 to 4 degrees C above normal), boosting summer crop development. Rainfall diminished throughout most areas, allowing late spring grain harvesting to progress toward completion. Greatest amounts of precipitation (20-50 mm) fell in southern France, Ireland, extreme northern Spain, and southern Poland. The rain that fell in southern France benefited immature corn. Typically, corn harvesting in France begins in September and is well underway in October. Generally dry weather prevailed over eastern England, northern France, Germany, Hungary, southern Romania, most of Bulgaria, and Mediterranean areas. The dryness in Mediterranean areas and the southeast favored corn and sunflower harvesting. Winter grain planting was likely underway in northeastern Europe where several days of dry weather favored fieldwork. Typically, planting progresses southward during September.



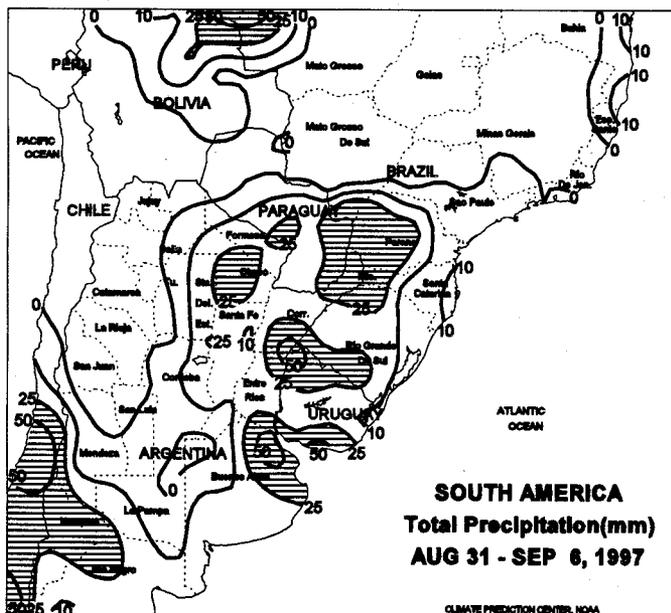
CANADA

Spring grain and oilseed harvesting made good progress across the southern Prairies. Many locations have reported progress ahead of last year's pace. However, unseasonable wetness continued to plague the northwest as scattered rain across the Prairies' northern growing regions hampered fieldwork. Temperatures again averaged above normal across the Prairies, favoring crop maturation, although pockets of frost and freezing temperatures made their first appearance right on schedule. In Ontario and Quebec, cool, showery weather slowed late summer crop development and hampered autumn fieldwork.



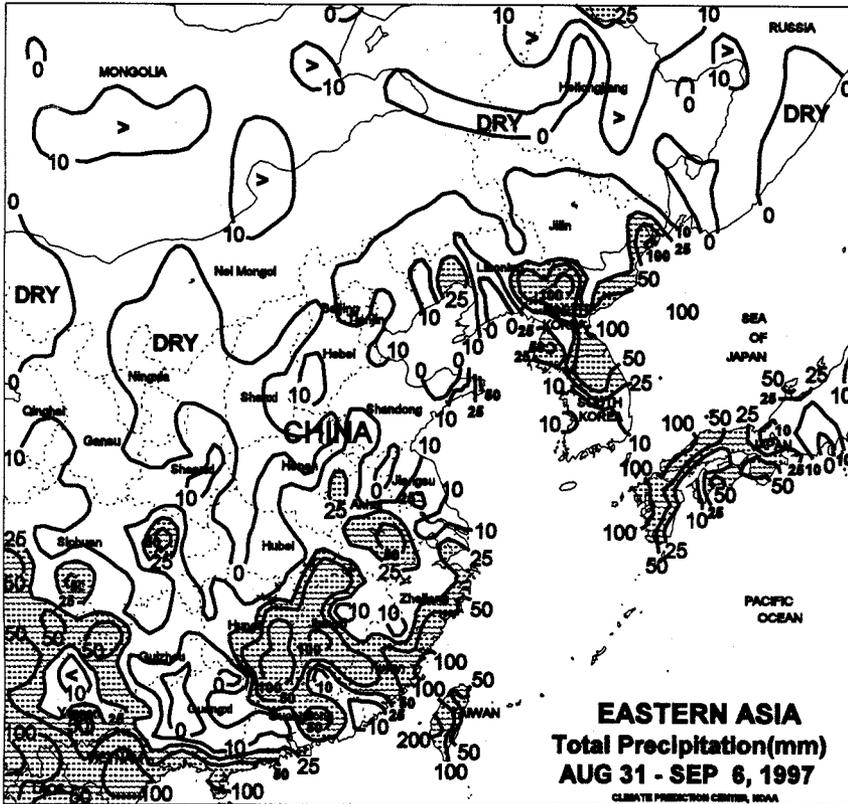
MEXICO

Rainfall (5-22 mm) remained below normal across the western corn belt, stressing filling corn. Seasonable showers (20-60 mm) benefited corn in the eastern corn belt. Moderate showers (15-50 mm) and cooler weather (temperatures 1-3 degrees C below normal) brought some drought relief to northeastern Mexico. Sporadic monsoonal showers (5-20 mm) prevailed across northwestern Mexico.



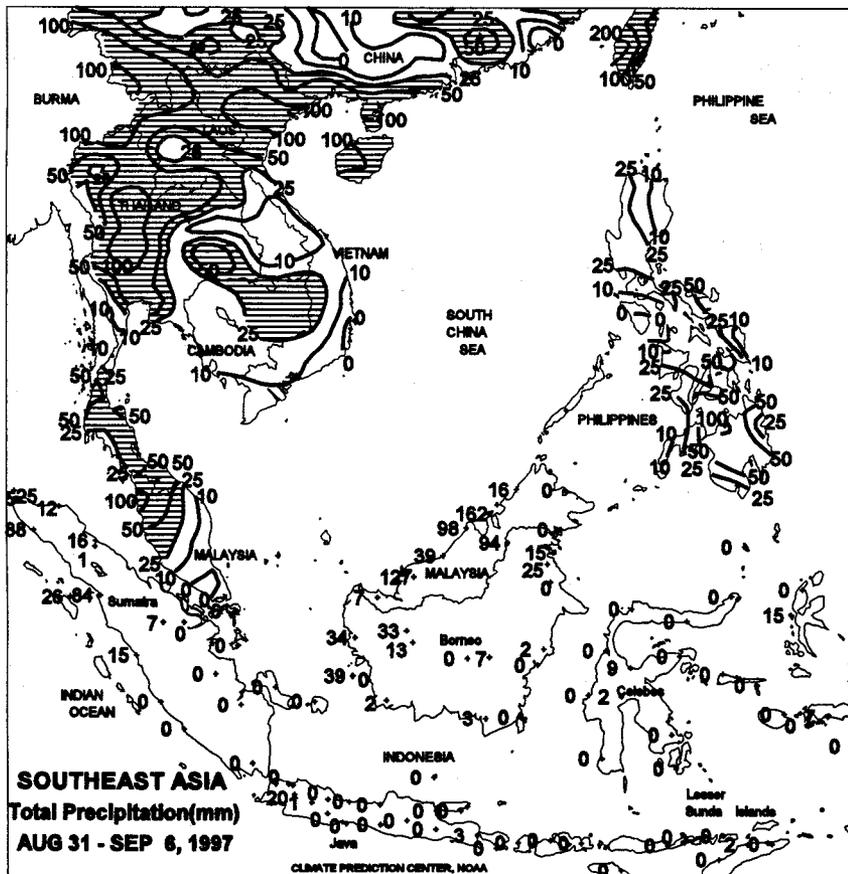
SOUTH AMERICA

More seasonable temperatures prevailed (highs ranging from 15-25 degrees C) across central Argentina, after last week's unseasonable warmth. Light to moderate rain (5-18 mm) covered most of central Argentina, favoring winter wheat germination. Rain was especially beneficial in southern Cordoba and Santa Fe. However, more rainfall is needed in these areas. Heavier rains (30-50 mm) were reported in northeastern Buenos Aires, increasing soil moisture reserves. According to reports as of August 29, winter wheat was 94 percent planted compared to 99 percent last year, with almost the entire unplanted acreage remaining in Buenos Aires. In southern Brazil, light rain (5-20 mm) maintained adequate moisture supplies for reproductive to filling winter wheat in eastern Parana and Rio Grande do Sul. Temperatures averaged 4 to 6 degrees C above normal across southern Brazil.



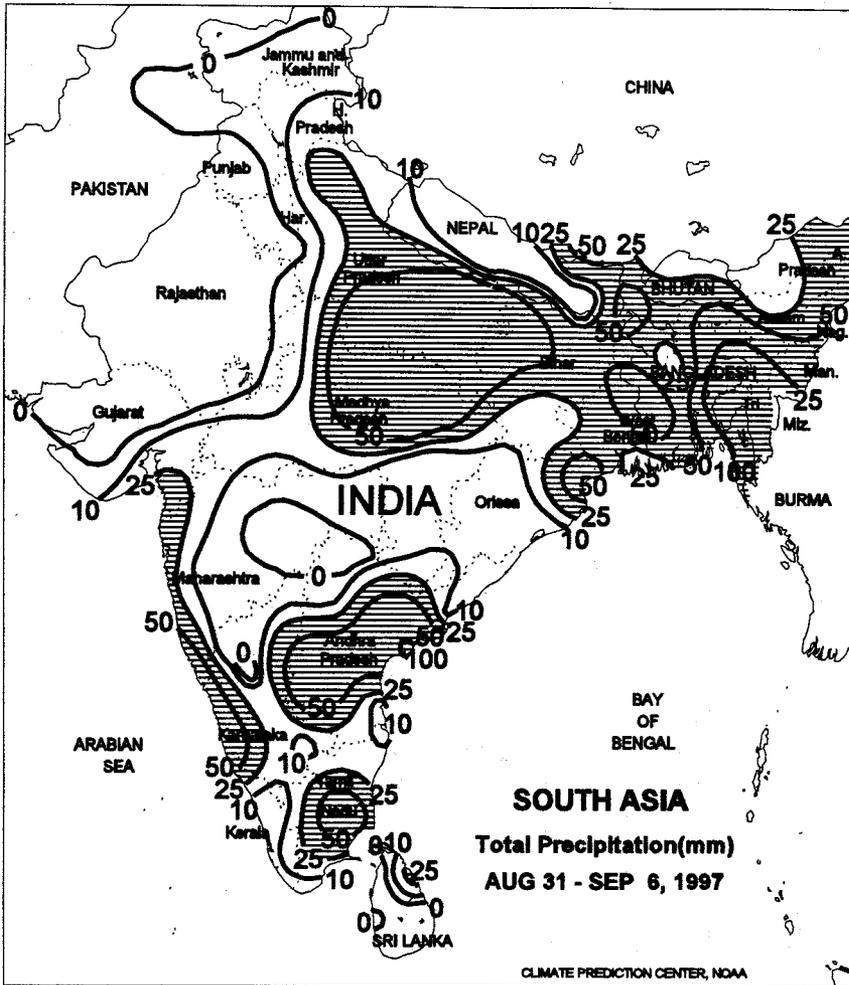
EASTERN ASIA

Light rain (less than 10 mm) brought little relief to filling summer crops across the North China Plain. Rain is also needed for winter wheat planting, which typically starts by mid-September. Light to moderate rain (5-25 mm) continued to favor filling soybeans and corn across Manchuria. Moderate showers (25-75 mm) maintained moisture supplies for late double-crop rice across southern and south-central China. Temperatures averaged 1 to 3 degrees C above normal across most of China, but averaged 1 to 3 degrees C below normal in southeastern China. Moderate to heavy rain (20-90 mm) replenished soil moisture reserves in North Korea, but the rain is too late to significantly benefit the corn crop. In South Korea and Japan, light to moderate rain (10-50 mm) increased moisture supplies for filling rice.



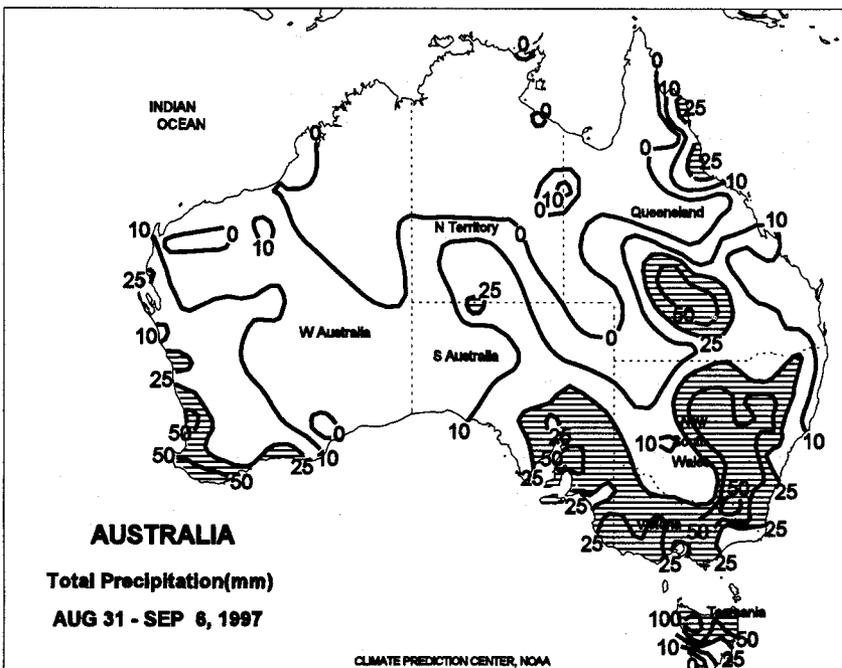
SOUTHEAST ASIA

Mostly dry weather continued across Java and southern Sumatra, stressing rainfed second-season crops. Widespread showers (20-100 mm) continued to cover central Thailand, boosting moisture supplies for main-season crops. Showers (5-125 mm) were more variable across the east. Heavy showers (60-150 mm) maintained abundant moisture supplies for 10th-month rice in northern Vietnam, possibly causing some local flooding. Unseasonably light showers (10-40 mm) reduced moisture supplies for main-season crops across the Philippines. Showers (10-40 mm) continued to favor oil palm across peninsular Malaysia.



SOUTH ASIA

Dry weather returned to the northwest as the monsoon gave some indication of its seasonal withdrawal. If this is indeed the case, the rainy season's end is progressing about on schedule, and one would expect seasonal drying to occur over the northern half of the region by mid-October. To the east, a pocket of very heavy rain (89-334 mm) likely flooded some rice along the central Ganges. Elsewhere in the main rice areas, showers were generally patchy, although moderate showers (25 mm or more) continued from Bangladesh eastward. Warm, drier weather covered a large portion of India's central and southern interior, enhancing growth of immature grains, oilseeds, and cotton, but further reducing available moisture in chronically dry locations such as Maharashtra and Karnataka. However, beneficial showers (50 mm or greater) boosted moisture reserves in sections of Andhra Pradesh for immature oilseeds and cotton.



AUSTRALIA

A seasonably wetter pattern brought widespread, highly beneficial moisture to Australia's winter wheat and barley. Rainfall totaled at least 10 to 25 mm at primary locations, including those in southern Queensland that have recently been the driest. In general, the heaviest rain (25-50 mm or greater) occurred where it was most needed, namely South Australia, Victoria, and New South Wales. Temperatures throughout the east averaged near to above normal, aiding crop growth. Lows remained above 5 degrees C throughout the area. Development in the east ranged from reproductive to filling in Queensland, where rainfall was especially timely, to vegetative in more southerly areas. In Western Australia, temperatures averaged about 2 degrees C below normal, with pockets of frost recurring in the winter grain belt. In New Zealand, the weather was mostly dry and cool in the main pasture lands.

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**Pasture and Range Crop Condition by Percent
 Week Ending September 7, 1997**

	VP	P	F	G	EX		VP	P	F	G	EX
AL	2	23	45	27	3	NH	0	3	21	76	0
AZ	3	21	33	35	8	NJ	0	0	50	50	0
AR	3	23	40	32	2	NM	0	6	23	65	6
CA	15	15	30	35	5	NY	0	29	35	36	0
CO	0	1	15	59	25	NC	14	25	29	32	0
CT	0	0	27	73	0	ND	13	31	37	19	0
DE	7	21	56	16	0	OH	2	6	36	45	11
FL	0	5	25	45	25	OK	1	8	29	57	5
GA	6	20	43	30	1	OR	1	3	42	35	19
ID	0	3	22	51	24	PA	5	23	47	25	0
IL	2	12	44	39	3	RI	0	0	66	18	16
IN	4	13	33	47	3	SC	11	29	35	21	4
IA	11	21	37	25	6	SD	1	4	19	46	30
KS	2	6	26	57	9	TN	3	16	35	41	5
KY	4	17	42	32	5	TX	4	17	43	32	4
LA	1	9	39	48	3	UT	3	4	16	62	15
ME	3	27	4	56	10	VT	0	21	39	32	8
MD	17	27	35	19	2	VA	34	30	28	8	0
MA	3	7	20	70	0	WA	8	5	20	66	1
MI	2	28	43	25	2	WV	2	12	36	47	3
MN	4	12	31	47	6	WI	0	5	23	57	15
MS	3	9	27	49	13	WY	2	3	20	61	14
MO	6	20	46	26	2	ALL	5	14	33	40	8
MT	2	9	28	48	13						
NE	10	22	32	35	1	Prev Wk	5	13	33	41	8
NV	0	0	23	72	5	Prev Yr	5	17	35	37	6

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