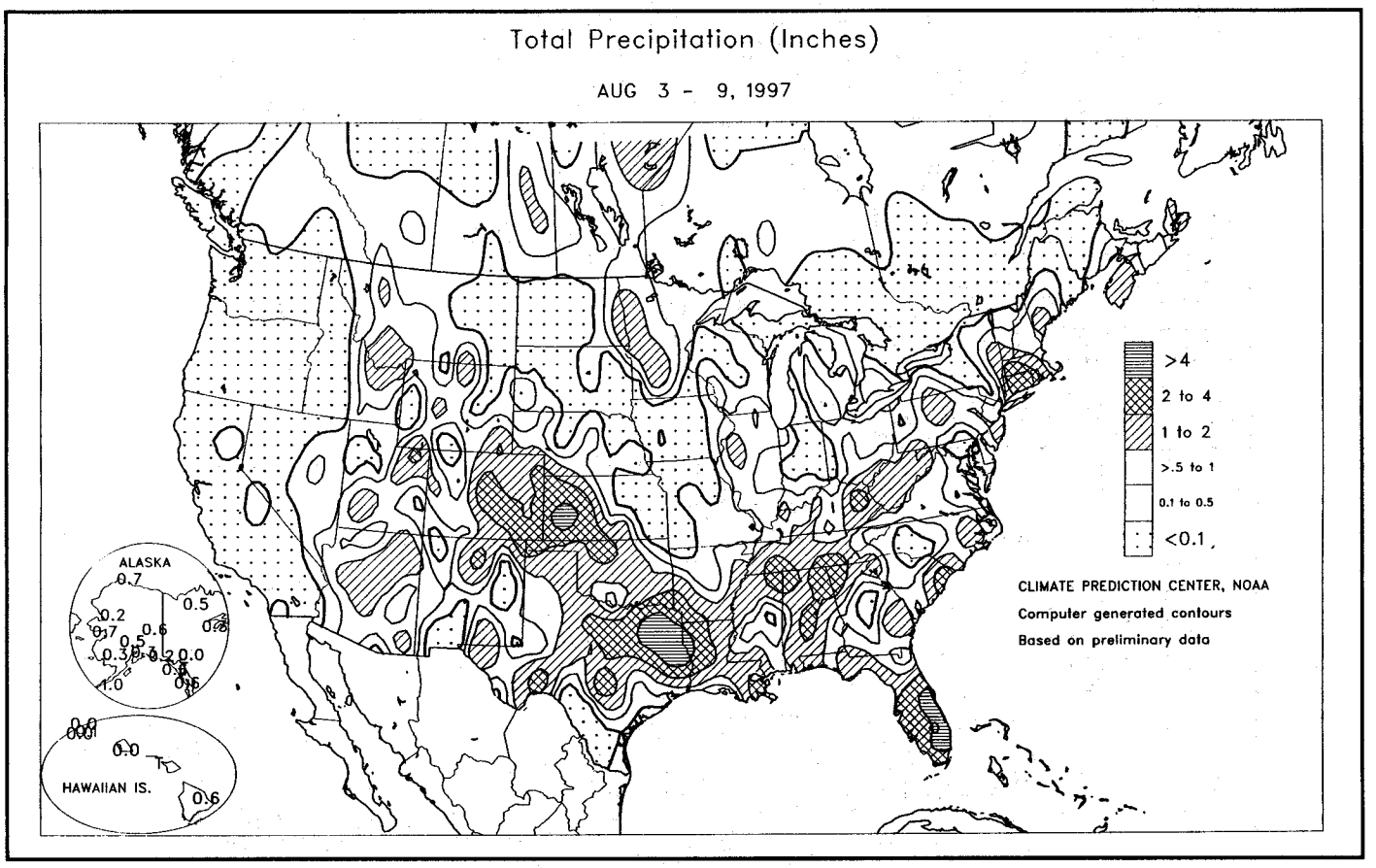
Volume 84, No. 32 August 12, 1997

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



HIGHLIGHTS

August 3 - 9, 1997

Only scattered showers fell from **southern Iowa** and **Missouri** to the **northern Mid-Atlantic region,** further depleting topsoil moisture. In most of the dry area, however, temperatures remained below crops' heat-stress thresholds, ranging from 2 to 6°F below normal and peaking in the 80's to lower 90's. Meanwhile, beneficial rainfall dampened the **Red River Valley,** but soils remained unfavorably dry elsewhere on the **northern Plains.** In parts of **northern Montana,** an early- to midweek heat wave pushed temperatures above 100°F, followed by sharply cooler conditions by week's end. Farther south, locally intense monsoonal rains caused additional flash flooding in the **Four**

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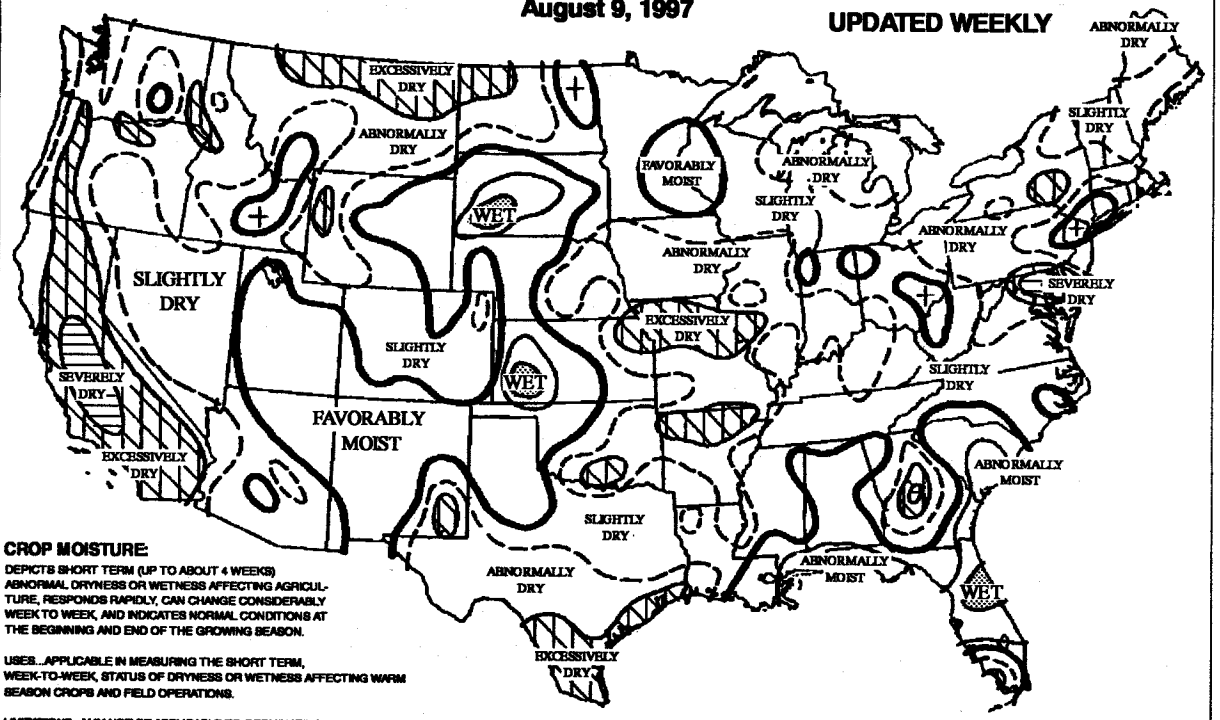
Contents

CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

August 9, 1997

UPDATED WEEKLY



CROP MOISTURE:

DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

USES...APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.

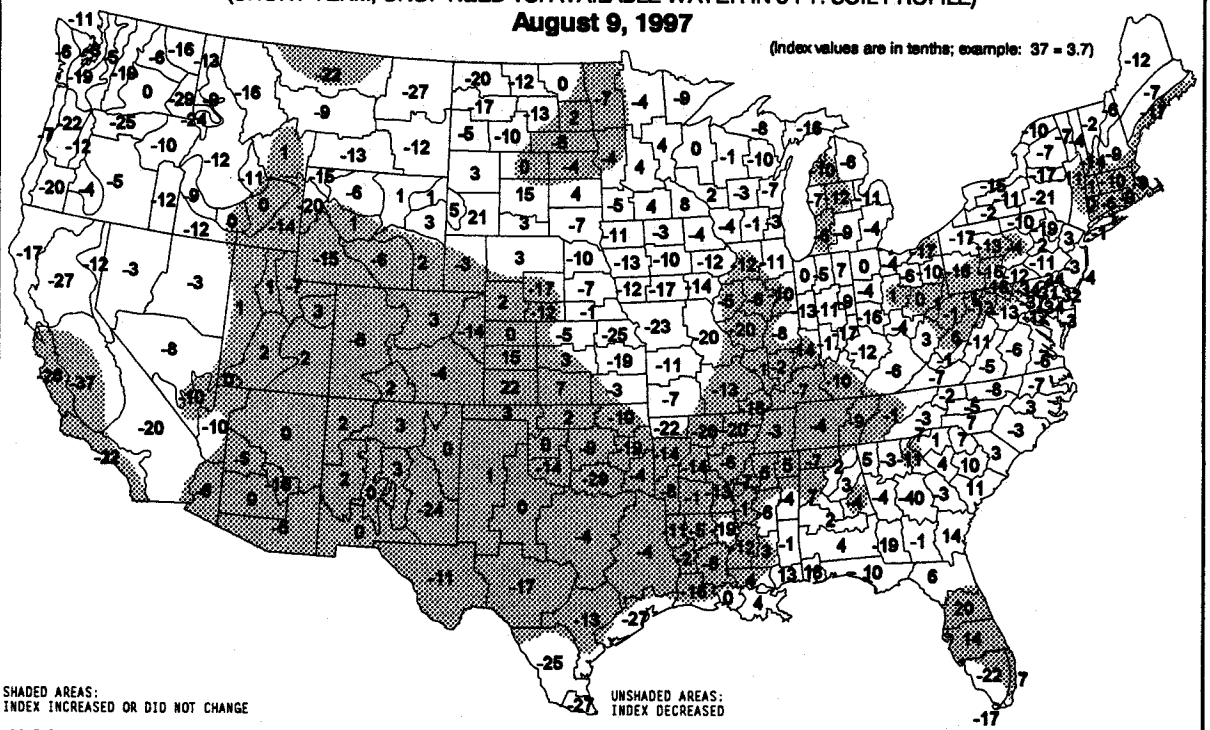
LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55 F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

August 9, 1997

(Index values are in tenths; example: 37 = 3.7)



SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

ABOVE 3	EXCESSIVELY WET; SOME FIELDS FLOODED
2 TO 3	TOO WET; SOME STANDING WATER
1 TO 2	SOME FIELDS TOO WET; PROSPECTS ABOVE NORMAL
0 TO 1	MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2	SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3	DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4	SEVERE DRYNESS CONTINUES; MORE RAIN URGENTLY NEEDED
BELOW -4	NOT ENOUGH RAIN; STILL EXTREMELY DRY

UNSHADED AREAS:
INDEX DECREASED

ABOVE 3	SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3	MORE DRY WEATHER NEEDED; WORK DELAYED
1 TO 2	FAVORABLE EXCEPT STILL TOO WET IN SPOTS
0 TO 1	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1	TOPSOIL MOISTURE SHORT; GERMINATION SLOW
-1 TO -2	ABNORMALLY DRY; PROSPECTS DETERIORATING
-2 TO -3	EXCESSIVELY DRY; YIELD PROSPECTS REDUCED
-3 TO -4	POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4	EXTREMELY DRY; MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

U.S. Crop Production Highlights

The following information was released by USDA's Agricultural Statistics Board on August 12, 1997. Forecasts refer to August 1.

Corn production is forecast at 9.28 billion bushels, virtually unchanged from last year but up 26 percent (%) from 1995. Yields are expected to average 125.3 bushels per acre, down 1.8 bushels from a year ago. Acreage for harvest is estimated at 74.0 million acres, up 1% from 1996.

All cotton production is forecast at 17.8 million bales, down 6% from 1996. Yield is expected to average 637 pounds per acre, down 70 pounds from a year ago. Harvested acreage is estimated at 13.4 million acres, up 4% due to last year's large abandonment in Texas.

Soybean production is forecast at a record 2.74 billion bushels, up 15% from 1996 and 9% above the 1994 record. Yield is forecast at 39.3 bushels per acre, 1.7 bushels above last year, but 2.1 bushels below the record yield in 1994. Area for harvest is estimated at 69.8 million acres.

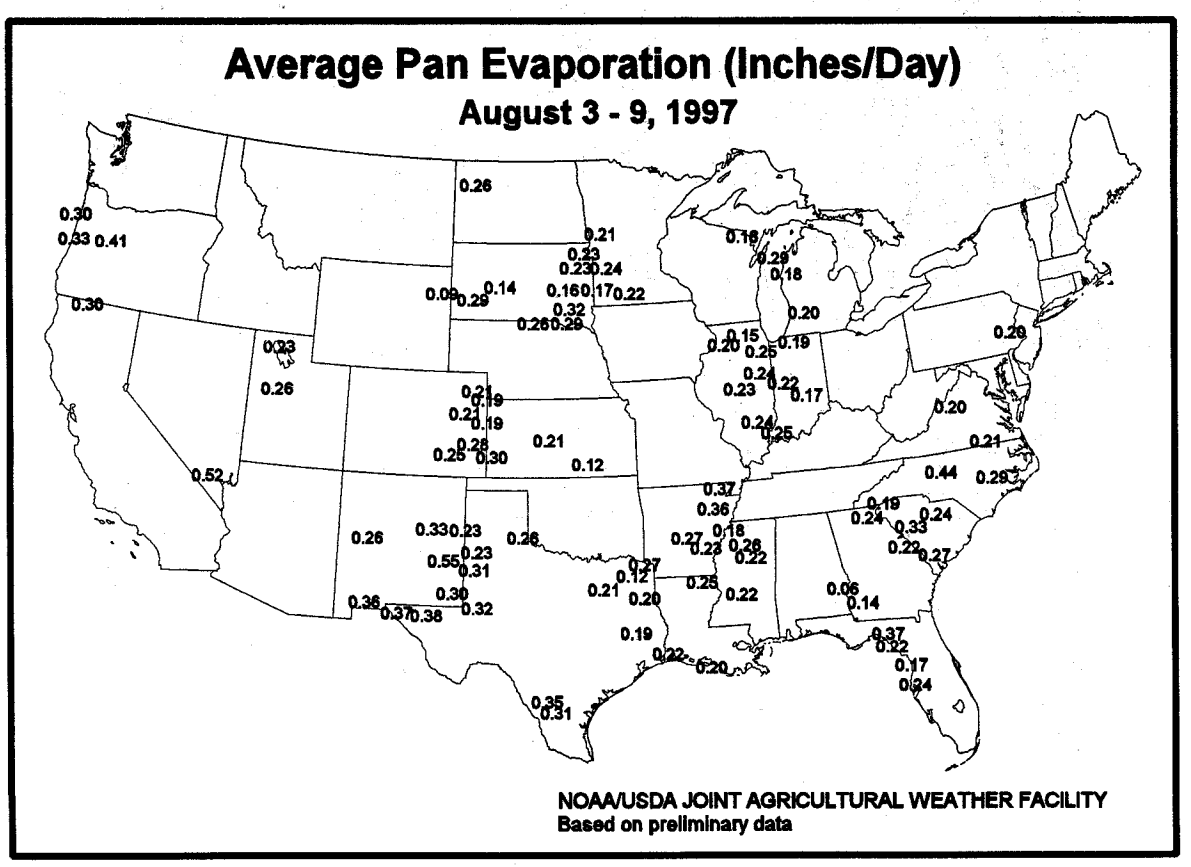
All wheat production is placed at 2.53 billion bushels, up 4% from the last forecast and 11% above 1996. The yield is forecast at 39.9 bushels per acre. This is up 1.6 bushels per acre from last month to a new record high.

The final **winter wheat** production forecast is 1.86 billion bushels, up 4% from last month and 26% higher than 1996. The yield is forecast at a record-high 44.6 bushels per acre, up 1.8 bushels from July 1.

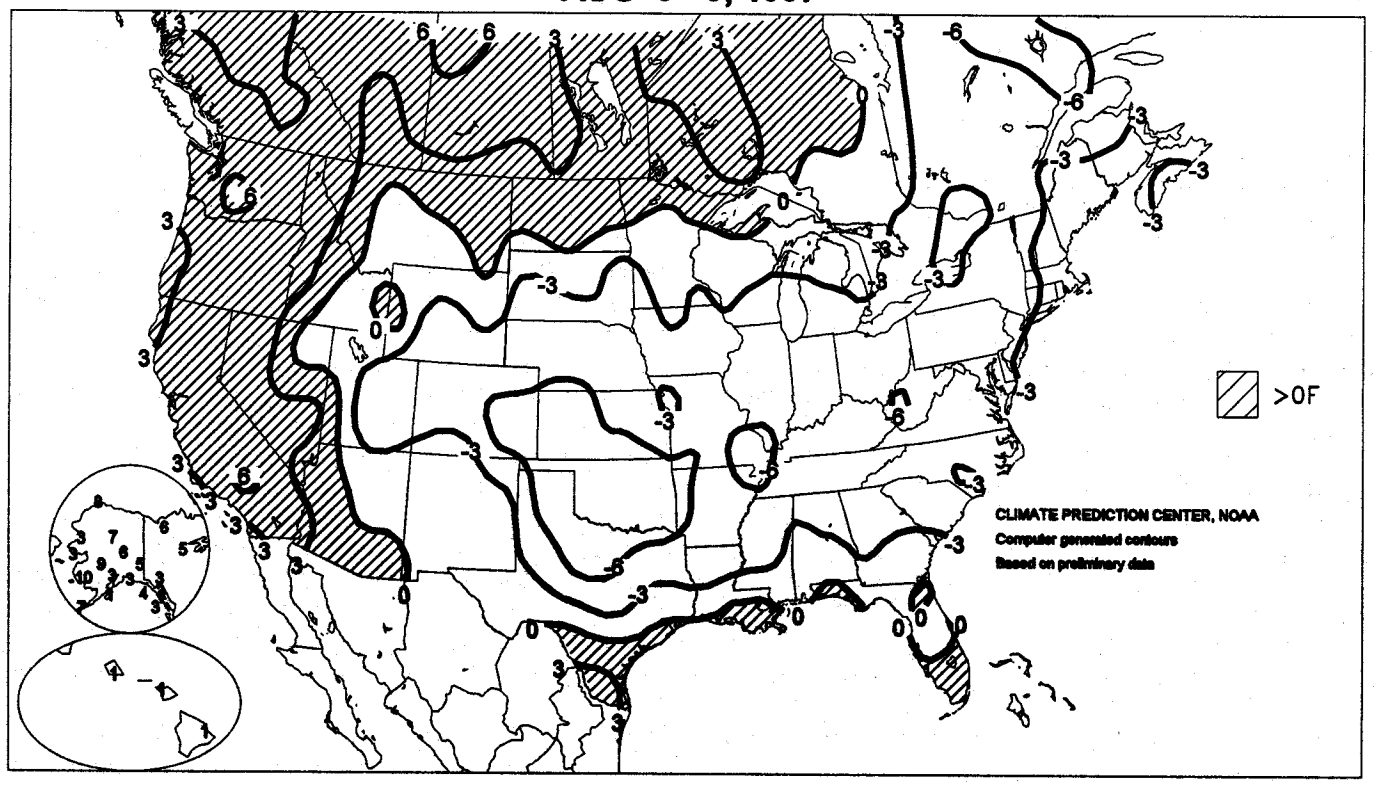
Hard Red Winter wheat production is up 5% from July to 1.11 billion bushels due to higher yields in Kansas, Oklahoma, and Nebraska. The Kansas yield and production are new record highs. Soft Red Winter, at 470 million bushels, is also up from a month ago and is the highest since 1990. Illinois and Missouri growers harvested record-high yields. The Ohio average equals the current record. White Winter production is up from last month to 274 million bushels due to improved yield prospects in all three Pacific Northwest States.

Durum wheat production is forecast at 90.2 million bushels, up 11% from last month, but still well below last year. August 1 conditions in the northern durum States have increased yield expectations in the Dakotas and Montana. The yield is now forecast at 28.1 bushels per acre, up 2.9 bushels from July 1.

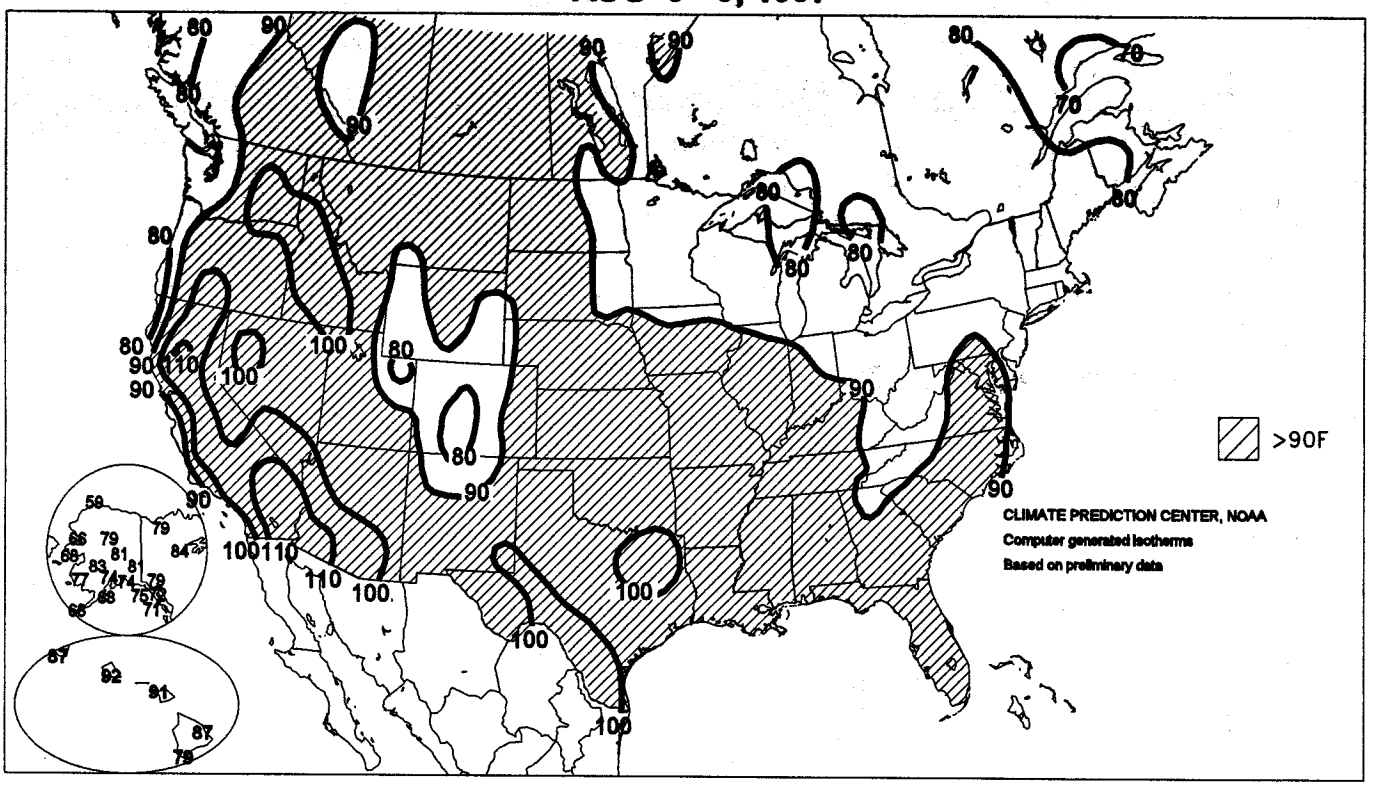
Other spring wheat production is forecast at 585 million bushels, up 3% from a month ago. The yield is forecast at 31.3 bushels per acre, 0.9 bushels higher than July 1. Hard Red Spring production is up 3% from July at 528 million bushels. White Spring production is up 1% to 57 million bushels.



Departure of Average Temperature from Normal (°F)
AUG 3 - 9, 1997



Extreme Maximum Temperature (°F)
AUG 3 - 9, 1997

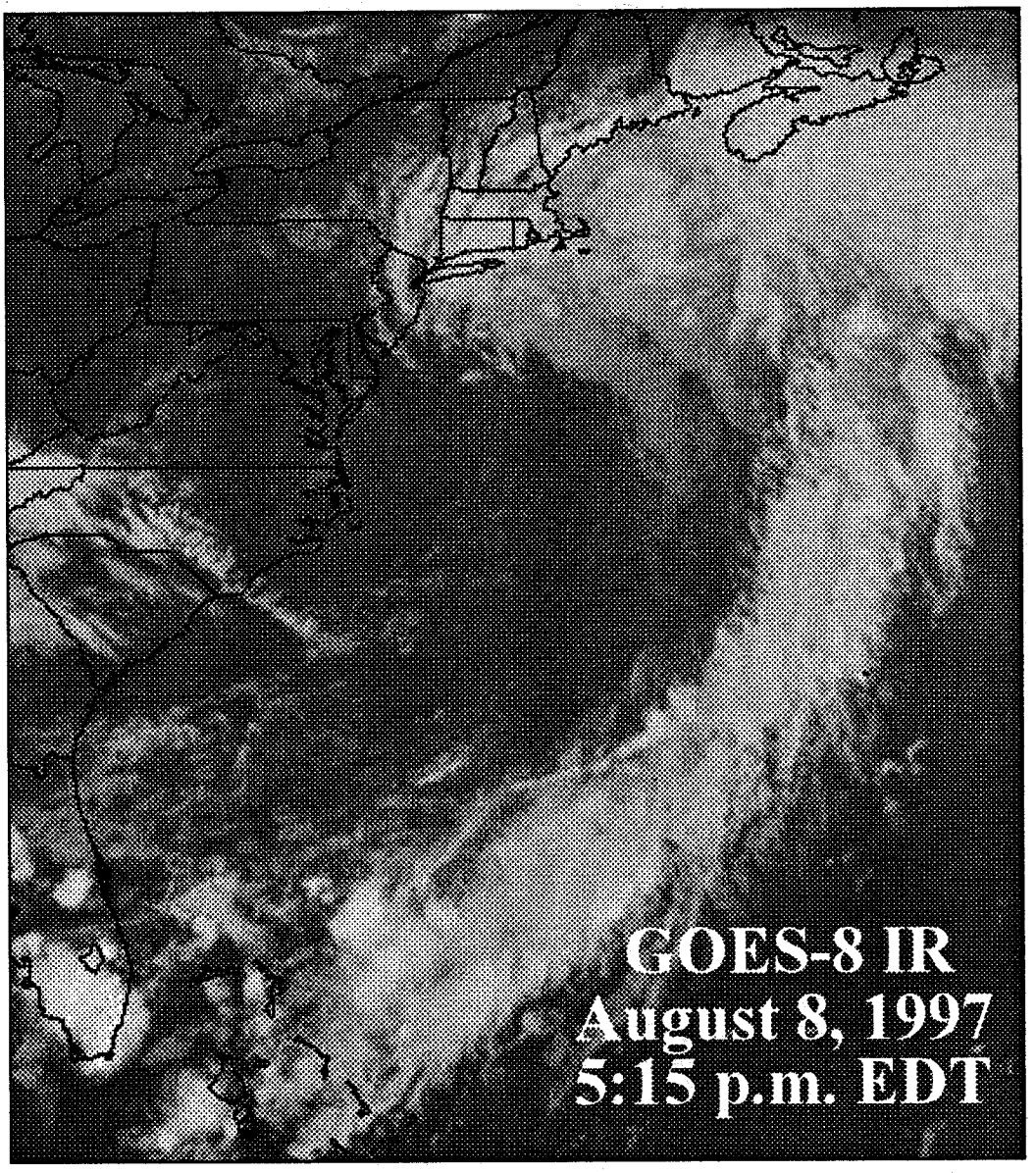


(Continued from front cover)
Corners States and on the **central high Plains.** Significant rain also fell from **eastern Texas** to the **southern Atlantic Coast.** Elsewhere, hot, dry weather prevailed along the **West Coast,** boosting weekly temperatures up to 7°F above normal.

A 5-day run of record warmth along the **West Coast** began on Sunday, when **Pasadena, CA** notched their first of four daily-record highs (103, 101, 107, and 105°F). Nearly 30 daily-record highs were set during the span, including an August-record maximum of 109°F on Wednesday in **Simi Valley, CA.** A day earlier, the record heat had spread as far north as **Wenatchee, WA** (102°F). **Havre, MT** recorded 101°F on Monday and 99°F on Thursday.

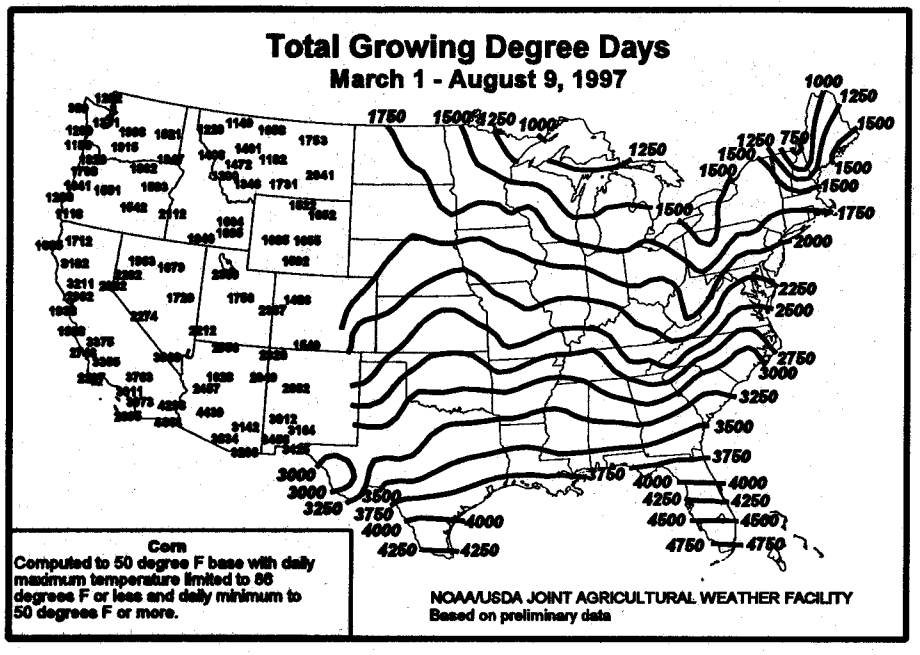
Meanwhile, a cold front surged through the **Central and Eastern States,** helping to produce about five dozen daily-record lows from August 5-9. On Wednesday, minima included 44°F in **Flint, MI** and 45°F in **Mansfield, OH.** In **Illinois,** lows dipped to 46°F in both **Champaign** and **Lincoln.** A day later, lows fell to 50°F or below as far south as **Springfield, MO** (49°F) and **Dodge City, KS** (50°F). Later on Thursday, **Ft. Smith, AR** logged 68°F, tying the record for their lowest maximum temperature in August.

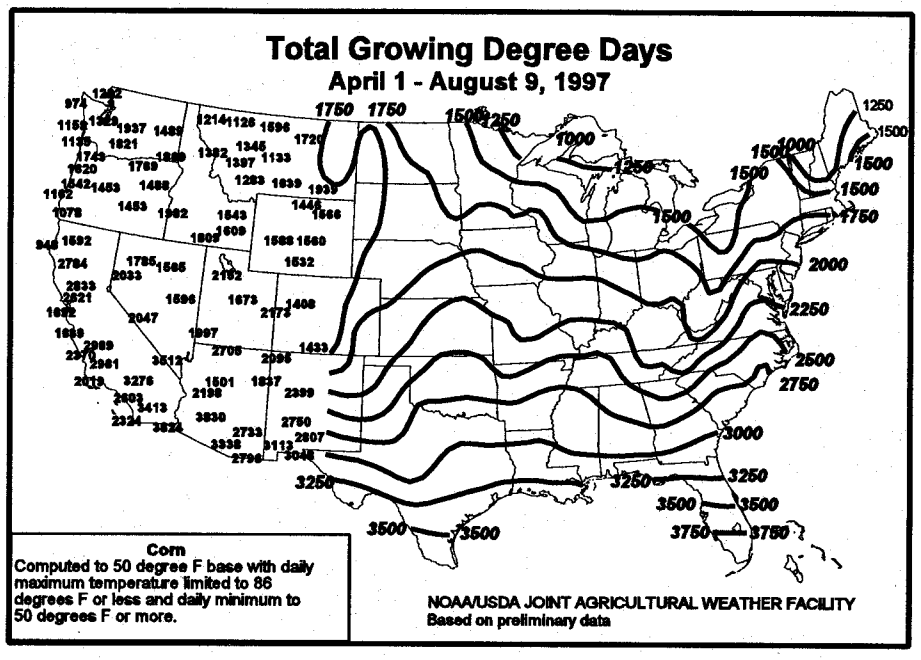
Significant rains ensued as the cold front interacted with tropical moisture. In **Dodge City,** 3.09 inches fell on August 5-6, their fourth-greatest, 24-hour total in August. On Thursday, **Dallas-Ft. Worth, TX** netted 2.32 inches, a daily-record total. For the week, rainfall topped 2 inches in locations such as **Huntsville, AL, Shreveport, LA, Chattanooga, TN,** and **Austin, TX,** and surpassed 4 inches in parts of **southwestern Kansas, northeastern Texas,** and **eastern Florida.** In **San Antonio, TX,** 0.49 inch fell on August 7, ending a 42-day streak without measurable rain.

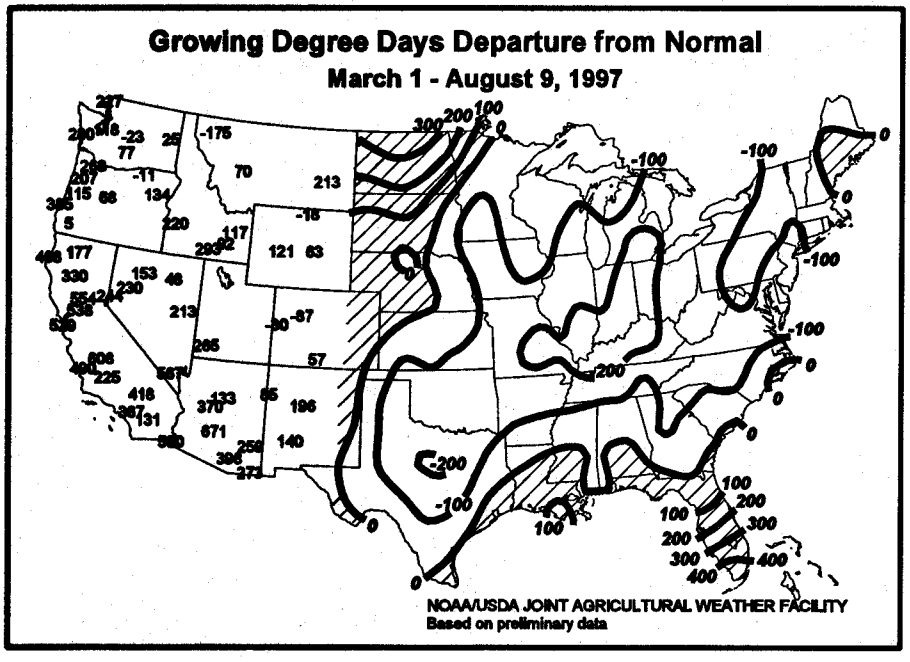


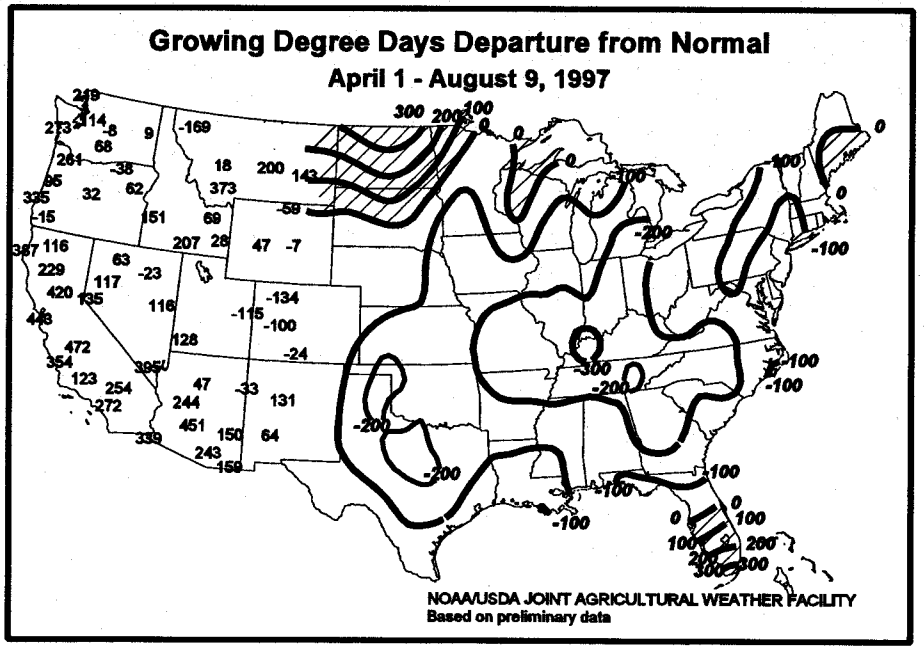
A late-week storm further boosts soil moisture in southern New England, but bypasses critically dry areas of the northern Middle Atlantic region.

Rain eased dryness in **New England,** where weekly totals included 2.93 inches in **Hartford, CT** and 1.44 inches in **Portland, ME.** However, little or no rain fell across the **central Corn Belt** and **northern Mid-Atlantic States.** Since June 1, rainfall in the dry areas has ranged from about 30 to 60 percent of normal. In **Peoria, IL,** only 2.85 inches, 31 percent of normal, fell during the 70-day period ending August 9.


Total Growing Degree Days
March 1 - August 9, 1997
Corn
Computed to 50 degree F base with daily maximum temperature limited to 86 degrees F or less and daily minimum to 50 degrees F or more.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data


Total Growing Degree Days
April 1 - August 9, 1997
Corn
Computed to 50 degree F base with daily maximum temperature limited to 86 degrees F or less and daily minimum to 50 degrees F or more.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data


Growing Degree Days Departure from Normal
March 1 - August 9, 1997
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data


Growing Degree Days Departure from Normal
April 1 - August 9, 1997
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

National Weather Data for Selected Cities

Weather Data for the Week Ending August 9, 1997

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	85	69	90	64	77	-3	0.60	-0.28	0.44	11.62	114	35.46	99	92	62	2	0	2	0
	HUNTSVILLE	85	67	94	63	76	-4	2.03	1.20	1.22	9.43	94	36.00	98	89	54	3	0	3	1
	MOBILE	90	72	93	69	81	-1	0.57	-1.03	0.43	27.59	198	58.82	144	93	53	4	0	4	0
	MONTGOMERY	89	71	95	70	80	-1	0.51	-0.38	0.28	6.78	66	30.59	87	94	59	3	0	3	0
AK	ANCHORAGE	68	54	74	49	61	3	0.35	-0.16	0.31	2.31	66	4.31	60	91	60	0	0	2	0
	BARROW	53	42	59	39	48	8	0.73	0.49	0.47	1.86	122	2.10	93	97	84	0	0	5	0
	FAIRBANKS	74	58	81	50	66	6	0.59	0.11	0.50	2.21	57	2.96	49	93	58	0	0	3	1
	JUNEAU	66	52	72	50	59	3	--	--	--	--	--	--	--	91	67	0	0	-	-
	KODIAK	62	51	63	45	57	1	1.82	0.81	1.16	5.04	52	37.76	103	98	78	0	0	4	2
	NOME	59	50	68	45	55	3	0.71	0.11	0.47	3.63	90	7.69	105	95	86	0	0	4	0
AZ	FLAGSTAFF	78	52	86	48	65	-1	0.22	-0.44	0.13	0.64	16	6.83	53	93	43	0	0	3	0
	PHOENIX	103	82	111	74	92	0	0.81	0.59	0.38	0.98	79	2.67	70	63	28	7	0	3	0
	PRESCOTT	85	62	93	59	74	2	0.96	0.13	0.56	1.68	36	6.01	55	84	38	3	0	3	1
	TUCSON	97	74	106	70	86	0	0.77	0.23	0.28	1.50	45	4.03	67	76	33	7	0	5	0
	YUMA	107	87	113	84	97	3	0.00	-0.14	0.00	0.02	4	0.57	40	54	27	7	0	0	0
AR	FORT SMITH	84	67	97	63	76	-6	0.28	-0.38	0.15	7.99	111	24.45	98	91	57	3	0	4	0
	LITTLE ROCK	87	68	99	64	77	-4	0.43	-0.29	--	9.24	125	36.33	123	89	47	3	0	-	-
CA	BAKERSFIELD	101	73	107	68	87	3	0.00	-0.02	0.00	0.00	0	2.99	78	48	24	7	0	0	0
	EUREKA	67	54	69	53	61	3	0.00	-0.08	0.00	1.26	170	19.33	91	89	69	0	0	0	0
	FRESNO	103	71	108	67	87	5	0.00	0.00	0.00	0.00	0	3.51	51	59	19	7	0	0	0
	LOS ANGELES	81	68	92	66	75	4	0.00	-0.03	0.00	0.01	25	4.22	54	88	58	1	0	0	0
	REDDING	104	65	110	61	84	4	0.00	-0.08	0.00	1.55	191	16.57	87	57	18	7	0	0	0
	SACRAM/MCCLELL	101	67	107	63	84	--	0.00	--	0.00	0.61	--	9.26	--	60	16	6	0	0	0
	SAN DIEGO	78	68	86	67	73	1	0.09	0.08	0.09	0.09	90	3.63	59	92	66	0	0	1	0
	SAN FRANCISCO	76	58	82	57	67	4	0.00	0.00	0.00	0.28	233	8.82	72	92	59	0	0	0	0
CO	ALAMOSA	77	50	83	45	64	-1	0.46	0.18	0.30	2.17	99	4.40	103	95	43	0	0	5	0
	CO SPRINGS	74	55	84	51	64	-6	1.83	1.09	0.65	11.97	196	17.24	156	91	50	0	0	4	2
	DENVER	77	58	89	53	68	-6	1.52	1.15	0.48	10.00	239	13.74	129	88	50	0	0	4	0
	GRAND JUNCTION	86	62	92	59	74	-5	1.84	1.67	1.27	2.39	173	7.28	148	77	40	2	0	4	1
	PUEBLO	80	57	91	54	69	-8	1.92	1.42	1.37	4.74	119	8.41	112	90	47	2	0	3	1
CT	BRIDGEPORT	79	63	86	59	71	-4	1.00	0.23	0.64	6.65	81	23.06	89	90	56	0	0	4	1
	HARTFORD	81	58	88	51	69	-4	2.97	2.18	1.42	8.76	110	22.70	87	97	48	0	0	5	3
DC	WASHINGTON	88	65	95	61	77	-3	0.03	-0.88	0.03	4.13	50	19.09	82	82	35	1	0	1	0
DE	WILMINGTON	83	60	88	55	71	-5	0.28	-0.53	0.12	5.11	58	14.57	57	88	40	0	0	4	0
FL	DAYTONA BEACH	89	74	92	72	81	0	1.66	0.33	0.66	15.78	120	27.64	100	97	67	3	0	5	2
	JACKSONVILLE	89	74	92	72	81	0	0.25	-1.44	0.16	18.30	136	32.35	106	95	61	3	0	4	0
	KEY WEST	91	79	91	75	85	1	0.76	-0.25	0.47	12.50	125	21.87	105	84	60	7	0	3	0
	MIAMI	92	77	94	73	84	2	3.01	1.43	1.49	23.86	140	44.14	136	89	60	6	0	5	2
	ORLANDO	90	74	92	73	82	-1	4.26	2.70	1.97	23.40	141	37.57	123	98	62	4	0	7	2
	TAMPA	88	76	90	74	82	-1	2.08	0.36	1.06	10.94	77	26.22	99	92	67	1	0	4	2
	VALPARAISO/EGLIN	90	74	93	73	82	1	1.77	0.07	0.86	18.31	111	46.29	116	92	61	4	0	3	2
	WEST PALM BEACH	90	74	92	72	82	-1	4.09	2.85	1.21	19.10	121	39.37	116	97	63	5	0	4	4
GA	ATHENS	84	66	90	64	75	-4	0.05	-0.86	0.05	9.95	100	29.25	89	92	55	2	0	1	0
	ATLANTA	84	68	89	64	76	-3	0.19	-0.72	0.15	8.83	90	31.24	93	87	53	0	0	2	0
	AUGUSTA	88	67	92	60	77	-4	0.21	-0.86	0.20	9.71	100	25.46	85	95	53	3	0	2	0
	COLUMBUS	88	72	95	70	80	-2	0.56	-0.39	0.52	10.97	101	33.42	97	93	57	4	0	3	1
	MACON	88	68	93	64	78	-3	0.01	-0.88	0.01	3.07	34	22.24	74	94	52	3	0	1	0
	SAVANNAH	88	70	93	67	79	-3	0.41	-1.33	0.33	18.02	126	31.24	98	97	57	2	0	2	0
HI	HILO	85	70	87	68	77	1	0.60	-1.59	0.28	43.24	231	89.42	115	90	60	0	0	6	0
	HONOLULU	90	76	92	74	83	1	0.00	-0.11	0.00	0.92	72	15.32	129	78	48	4	0	0	0
	KAHULUI	89	73	91	70	81	2	--	--	--	--	--	--	--	83	54	1	0	-	-
	LIHUE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
ID	BOISE	93	64	101	54	79	4	0.00	-0.08	0.00	1.79	143	8.20	111	55	22	5	0	0	0
	LEWISTON	94	66	105	54	80	4	0.00	-0.17	0.00	1.96	92	10.61	136	56	21	5	0	0	0
	POCATELLO	85	56	96	50	71	0	0.63	0.49	0.52	3.46	188	8.19	108	81	35	2	0	2	1
IL	CHICAGO/O'HARE	80	59	91	53	69	-4	0.13	-0.80	0.09	6.12	71	17.70	84	87	44	1	0	2	0
	MOLINE	82	59	95	53	71	-4	0.00	-0.99	0.00	5.81	56	19.62	80	92	47	1	0	-	-
	PEORIA	83	59	93	50	71	-4	0.57	-0.14	0.51	2.73	30	15.49	69	91	38	1	0	3	1
	ROCKFORD	81	56	91	51	69	-4	0.79	-0.15	0.36	7.16	73	20.15	91	89	41	1	0	3	0
	SPRINGFIELD	82	59	92	49	70	-5	0.93	0.19	0.55	3.16	40	12.93	60	94	46	1	0	3	1
IN	EVANSVILLE	82	63	90	55	73	-5	0.16	-0.60	0.16	7.30	86	32.54	117	81	49	1	0	1	0
	FORT WAYNE	80	55	85	48	68	-6	0.00	-0.80	0.00	9.44	117	25.70	119	93	45	0	0	0	0
	INDIANAPOLIS	82	61	93	54	71	-3	0.00	-0.90	0.00	3.74	41	22.68	89	88	44	1	0	0	0
	SOUTH BEND	81	57	88	48	69	-4	0.04	-0.79	0.04	5.22	58	17.27	74	89	42	0	0	1	0
IA	BURLINGTON	--	--	--	--	--	--	0.16	-0.71	--	5.17	55	18.81	86	--	--	-	-	-	-
	CEDAR RAPIDS	--	--	--	--	--	--	0.00	-0.87	0.00	4.82	49	16.36	78	--	--	-	-	0	0
	DES MOINES	83	61	93	55	72	-4	0.00	-0.94	0.00	11.35	120	21.27	102	86	48	1	0	0	0
	DUBUQUE	77	57	87	50	67	-5	0.32	-0.69	0.26	8.43	89	19.48	85	85	53	0	0	2	0
	SIOUX CITY	84	59	93	52	72	-3	0.02	-0.67	0.01	5.09	65	12.65	74	96	50	2	0	2	0
	WATERLOO	82	56	91	50	69	-3	0.00	-0.88	0.00	7.20	69	16.80	76	88	43	1	0	0	0
KS	CONCORDIA	85	65	94	59	75	-4	0.22	-0.59	0.21	6.38	70	13.35	69	90	49	2	0	2	0
	DODGE CITY	82	60	91	50	71	-9	4.06	3.39	3.09	12.27	170	18.55	124	94	55	2	0	3	2
	GOODLAND	79	59	92	54	69	-6	2.63	2.17	1.89	7.76	116	11.51	86	93	56	1	0	5	2
	TOPEKA	87	63	97	55	75	-3	0.00	-0.85	0.00	4.10	40	15.79	71	92	42	2	0	0	0

Based on 1961-90 normals

Weather Data for the Week Ending August 9, 1997

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	84	65	92	57	74	-7	0.58	-0.08	0.46	10.84	131	22.42	120	92	52	2	0	2	0
KY	JACKSON	79	61	86	56	70	-4	1.02	0.06	0.98	12.57	118	34.82	110	88	57	0	0	2	1
	LEXINGTON	82	61	90	54	72	-4	0.03	-0.94	0.03	13.04	131	45.75	159	81	44	1	0	1	0
	LOUISVILLE	84	65	92	54	75	-2	1.06	0.20	1.06	10.83	119	44.81	156	79	46	2	0	1	1
	PADUCAH	83	63	92	56	73	-5	0.65	-0.13	0.49	10.02	108	38.36	123	89	53	2	0	2	0
LA	BATON ROUGE	89	72	93	70	81	-2	1.50	0.06	0.92	13.94	106	47.98	124	96	62	5	0	4	2
	LAKE CHARLES	90	73	95	70	82	-1	1.67	0.49	1.01	8.71	75	41.70	130	94	57	4	0	3	1
	NEW ORLEANS	91	77	93	73	84	2	1.10	-0.31	0.57	12.06	88	35.99	93	87	56	6	0	3	1
	SHREVEPORT	89	69	100	66	79	-4	2.63	2.05	1.18	9.72	111	48.17	159	92	51	4	0	3	2
ME	CARIBOU	75	48	82	40	61	-4	0.00	-0.94	0.00	7.15	88	21.29	104	92	41	0	0	0	0
	PORTLAND	77	57	83	51	67	-1	1.45	0.79	1.24	4.24	57	20.50	80	91	52	0	0	3	1
MD	BALTIMORE	86	59	94	53	73	-4	0.32	-0.56	0.23	4.81	57	20.96	84	95	38	1	0	3	0
MA	BOSTON	78	62	90	59	70	-3	0.89	0.17	0.44	2.94	43	16.72	68	89	51	1	0	5	0
	WORCESTER	75	58	82	54	67	-3	0.84	-0.01	0.45	5.43	81	22.67	80	89	49	0	0	3	0
MI	ALPENA	79	52	86	46	66	-1	0.00	-0.75	0.00	3.57	52	16.63	98	92	40	0	0	0	0
	GRAND RAPIDS	80	56	86	48	68	-3	0.01	-0.74	0.01	4.77	81	17.66	87	91	43	0	0	1	0
	HOUGHTON LAKE	78	52	83	42	65	-2	0.36	-0.35	0.36	5.33	82	15.83	99	94	44	0	0	1	0
	LANSING	78	53	86	48	66	-5	0.38	-0.28	0.30	4.37	82	16.38	93	94	49	0	0	4	0
	MARQUETTE	--	--	--	--	--	--	0.06	-0.64	--	5.12	71	20.34	104	--	--	-	-	-	-
	MUSKEGON	78	54	83	49	66	-4	0.02	-0.66	0.01	5.22	98	15.57	91	95	51	0	0	2	0
MN	DULUTH	75	55	81	48	65	-1	0.00	-0.88	0.00	9.76	114	15.59	88	92	55	0	0	0	0
	INT'L FALLS	81	50	86	39	65	-1	0.36	-0.36	0.33	5.57	86	10.41	69	95	43	0	0	4	0
	MINNEAPOLIS	81	62	85	56	71	-1	0.40	-0.45	0.35	17.06	197	22.81	125	88	51	0	0	2	0
	ROCHESTER	76	57	83	51	67	-4	0.17	-0.74	0.08	11.82	130	21.31	115	92	58	0	0	4	0
	ST. CLOUD	79	58	83	52	68	-1	0.33	-0.54	0.28	9.81	111	14.89	87	94	54	0	0	3	0
MS	JACKSON	88	69	94	67	78	-3	0.76	-0.14	0.68	10.38	117	38.37	109	96	56	4	0	3	1
	MERIDIAN	88	69	92	66	79	-3	0.10	-0.79	0.10	10.23	103	40.77	110	98	60	2	0	1	0
	TUPELO	86	67	91	62	77	-4	1.73	1.00	1.33	17.73	195	48.13	135	91	54	3	0	2	1
MO	COLUMBIA	84	61	95	51	73	-4	0.01	-0.71	0.01	3.63	41	21.15	87	85	40	2	0	1	0
	KANSAS CITY	84	64	91	56	74	-4	0.00	-0.88	0.00	6.61	65	20.08	87	87	46	2	0	0	0
	SAINT LOUIS	83	65	95	57	74	-5	0.35	-0.33	0.20	3.83	45	19.23	82	84	46	2	0	3	0
	SPRINGFIELD	84	61	97	49	72	-6	0.14	-0.56	0.14	5.44	61	22.09	87	91	41	2	0	1	0
MT	BILLINGS	83	58	92	49	71	-2	0.28	0.08	0.19	6.07	191	10.14	99	78	38	2	0	2	0
	BUTTE	77	50	88	43	63	0	0.50	0.22	0.50	8.07	215	16.20	197	91	34	0	0	1	1
	GLASGOW	89	59	97	47	74	2	0.13	-0.20	0.10	4.28	100	7.73	99	73	24	5	0	2	0
	GREAT FALLS	82	53	93	44	67	-2	0.46	0.13	0.23	5.44	134	10.40	98	81	33	3	0	3	0
	KALISPELL	83	53	96	46	68	4	0.36	0.06	0.19	4.86	131	13.30	129	87	34	3	0	3	0
	MILES CITY	90	62	98	52	76	1	0.00	-0.26	0.00	4.75	101	8.30	84	63	23	6	0	0	0
	MISSOULA	85	54	95	45	70	2	0.09	-0.16	0.09	4.05	134	11.49	131	79	31	3	0	1	0
NE	GRAND ISLAND	83	62	94	59	72	-4	0.65	0.04	0.41	6.49	86	12.71	75	92	51	2	0	2	0
	LINCOLN	86	62	97	56	74	-3	0.00	-0.74	0.00	6.99	87	14.29	79	93	46	2	0	0	0
	NORFOLK	85	59	95	53	72	-3	0.00	-0.60	0.00	5.81	89	13.26	75	95	44	2	0	0	0
	NORTH PLATTE	82	60	92	54	71	-3	0.82	0.37	0.77	6.74	96	9.42	65	94	52	2	0	3	1
	OMAHA	85	63	94	54	74	-2	0.00	-0.72	0.00	7.68	93	13.93	73	92	47	1	0	0	0
	SCOTTSBLUFF	81	57	89	51	69	-5	0.35	0.07	0.32	6.13	121	16.15	141	94	44	0	0	2	0
	VALENTINE	82	59	90	54	71	-4	0.01	-0.57	0.01	8.66	129	15.31	116	90	48	1	0	1	0
NV	ELY	89	52	92	46	70	3	0.20	0.03	0.16	2.42	132	6.07	96	61	16	4	0	2	0
	LAS VEGAS	103	82	108	76	92	2	0.27	0.16	0.24	0.87	143	1.11	45	42	19	7	0	2	0
	RENO	96	55	98	47	75	4	0.00	-0.06	0.00	1.22	152	5.59	120	62	16	7	0	0	0
	WINNEMUCCA	98	55	101	43	76	4	0.00	-0.09	0.00	2.48	197	5.63	111	46	15	7	0	0	0
NH	CONCORD	80	55	90	47	68	-1	0.19	-0.58	0.08	4.74	84	18.91	89	90	39	1	0	4	0
NJ	NEWARK	83	63	90	61	73	-4	0.52	-0.41	0.46	9.99	112	27.02	99	89	43	1	0	2	0
NM	ALBUQUERQUE	86	65	92	62	76	-2	0.21	-0.18	0.21	3.30	134	6.15	125	76	31	1	0	1	0
NY	ALBANY	81	55	89	49	68	-3	1.06	0.26	0.58	4.14	53	14.89	68	95	46	0	0	3	1
	BINGHAMTON	76	54	84	49	65	-4	0.42	-0.35	0.42	5.01	82	16.55	75	98	50	0	0	1	0
	BUFFALO	78	58	86	51	68	-3	0.02	-0.89	0.02	4.94	83	21.87	102	85	38	0	0	1	0
	ROCHESTER	79	55	88	49	67	-3	0.02	-0.73	0.02	5.11	76	17.00	92	92	41	0	0	1	0
	SYRACUSE	80	56	89	49	68	-2	0.00	-0.80	0.00	4.35	50	15.50	69	86	39	0	0	0	0
NC	ASHEVILLE	79	58	85	53	69	-4	0.03	-1.04	0.02	11.31	111	34.62	116	95	49	0	0	2	0
	CHARLOTTE	87	67	91	63	77	-2	0.39	-0.47	0.39	16.18	192	32.68	121	80	43	2	0	1	0
	GREENSBORO	83	61	90	56	72	-5	0.39	-0.54	0.26	6.41	87	25.27	95	88	45	1	0	2	0
	HATTERAS	82	69	85	64	75	-4	0.83	-0.51	0.79	8.55	79	28.38	88	85	61	0	0	2	1
	RALEIGH	86	61	93	57	74	-4	0.36	-0.58	0.26	10.69	120	27.07	103	94	44	2	0	2	0
	WILMINGTON	85	65	92	60	75	-5	0.74	-0.96	0.71	12.01	74	26.06	74	96	51	2	0	2	1
ND	BISMARCK	88	58	94	54	73	3	0.19	-0.22	0.11	4.03	75	9.97	91	94	31	4	0	2	0
	DICKINSON	84	57	89	47	71	0	0.00	-0.33	0.00	8.09	141	13.81	119	81	37	0	0	0	0
	FARGO	83	59	89	54	71	0	1.12	0.54	0.86	9.04	144	17.12	134	93	42	0	0	4	1
	GRAND FORKS	85	61	90	52	73	4	1.44	0.89	0.94	9.86	157	14.91	126	86	40	2	0	3	1
	JAMESTOWN	86	60	91	57	73	2	0.15	-0.36	0.15	8.04	126	12.61	107	87	35	2	0	1	0
	WILLISTON	88	56	95	52	72	1	0.00	-0.31	0.00	7.09	148	8.94	92	81	30	6	0	0	0
OH	AKRON-CANTON	80	56	86	49	68	-4	0.43	-0.35	0.23	5.52	87	19.14	84	86	38	0	0	2	0
	CINCINNATI	84	60	92	52	72	-3	0.06	-0.76	0.04	8.38	92	27.47	103	86	41	2	0	2	0
	CLEVELAND	78	55	86	45	67	-5	0.09	-0.68	0.07	4.94	80	19.31	88	86	46	0	0	2	0
	COLUMBUS	81	58	91	51	70	-3	0.67	-0.22	0.67	9.13	96	24.17	99	89	42	1	0	1	1
	DAYTON	81	58	88	51	69	-4	0.00	-0.76	0.00	5.15	82	20.54	88	87	40	0	0	0	0
	MANSFIELD	77	54	83	45	65	-6	0.33	-0.61	0.31	9.08	99	26.45	108	91	47	0	0	2	0

Based on 1961-90 normals

Weather Data for the Week Ending August 9, 1997

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	79	55	86	49	67	-4	0.78	0.04	0.50	6.42	81	23.27	117	91	45	0	0	2	1
	YOUNGSTOWN	81	52	86	41	66	-4	0.01	-0.77	0.01	4.80	53	15.39	67	91	35	0	0	1	0
OK	OKLAHOMA CITY	85	65	96	59	75	-8	0.77	0.25	0.54	6.59	87	17.90	85	89	50	4	0	2	1
	TULSA	84	66	94	60	75	-8	0.74	0.12	0.73	12.16	146	23.18	94	91	53	3	0	2	1
OR	ASTORIA	75	56	82	50	66	5	0.02	-0.22	0.01	5.95	154	47.72	132	89	55	0	0	2	0
	BURNS	91	49	94	38	70	4	0.00	-0.14	0.00	0.98	70	6.53	113	67	18	5	0	0	0
	EUGENE	89	52	93	46	71	2	0.00	-0.20	0.00	1.98	90	22.96	87	89	30	3	0	0	0
	MEDFORD	96	60	100	53	78	4	0.00	-0.09	0.00	2.05	218	10.63	111	76	21	7	0	0	0
	PENDLETON	94	62	101	52	78	4	0.00	-0.11	0.00	1.41	123	5.50	78	62	23	5	0	0	0
	PORTLAND	86	62	90	59	74	5	0.00	-0.20	0.00	3.35	141	26.58	136	84	39	1	0	0	0
	SALEM	88	56	91	52	72	4	0.00	-0.14	0.00	1.81	87	26.39	126	88	34	3	0	0	0
PA	ALLENTOWN	81	55	87	49	68	-6	0.62	-0.34	0.61	10.06	110	22.61	86	92	43	0	0	2	1
	ERIE	76	59	84	51	67	-4	0.34	-0.53	0.31	7.54	87	25.41	111	84	48	0	0	2	0
	MIDDLETOWN	84	61	91	57	73	-3	0.17	-0.57	0.17	7.40	88	18.89	76	92	43	2	0	1	0
	PHILADELPHIA	84	62	89	60	73	-4	0.53	-0.36	0.29	5.08	55	20.67	79	84	40	0	0	2	0
	PITTSBURGH	81	55	88	47	68	-4	0.14	-0.62	0.12	5.92	70	20.20	86	84	34	0	0	2	0
	SCRANTON	79	54	87	48	66	-5	0.27	-0.50	0.20	4.60	52	13.78	62	91	37	0	0	3	0
	WILLIAMSPORT	80	55	88	50	68	-4	0.91	0.12	0.66	4.96	53	14.28	57	96	43	0	0	2	1
RI	PROVIDENCE	80	60	92	56	70	-2	1.46	0.66	0.44	5.15	68	21.88	81	92	49	1	0	6	0
SC	BEAUFORT	87	71	93	68	79	-2	0.06	-1.75	0.04	14.46	98	29.06	89	96	62	2	0	2	0
	CHARLESTON	87	69	91	64	78	-4	0.53	-1.18	0.52	22.66	146	37.97	114	95	59	2	0	2	1
	COLUMBIA	87	68	93	62	78	-3	0.02	-1.41	0.02	13.26	109	29.28	90	96	55	3	0	1	0
	GREENVILLE	84	66	90	62	75	-3	0.04	-0.88	0.03	12.09	114	33.11	101	87	48	1	0	2	0
SD	ABERDEEN	83	55	88	50	69	-4	0.16	-0.35	0.16	4.31	66	9.83	75	96	43	0	0	1	0
	HURON	82	60	88	56	71	-3	0.13	-0.35	0.12	10.18	153	16.17	113	92	49	0	0	2	0
	RAPID CITY	81	58	90	51	70	-3	0.63	0.22	0.61	8.26	147	19.09	158	88	48	1	0	2	1
	SIOUX FALLS	81	59	90	53	70	-4	0.08	-0.53	0.07	6.80	99	14.83	98	94	51	1	0	2	0
TN	BRISTOL	81	57	86	52	69	-5	0.30	-0.47	0.30	9.16	104	31.72	120	96	49	0	0	1	0
	CHATTANOOGA	84	65	92	62	75	-4	2.55	1.71	1.78	12.70	134	39.27	116	95	49	3	0	3	2
	KNOXVILLE	84	63	91	60	73	-4	0.29	-0.49	0.16	9.96	103	36.83	119	89	48	2	0	3	0
	MEMPHIS	85	69	93	63	77	-5	1.23	0.45	0.68	12.32	147	52.51	163	85	52	2	0	3	1
	NASHVILLE	84	66	93	63	75	-4	1.12	0.32	0.79	11.00	128	35.09	117	85	50	2	0	2	1
TX	ABILENE	89	67	97	62	78	-6	2.05	1.48	1.07	9.18	162	18.24	129	92	48	5	0	4	2
	AMARILLO	82	61	92	55	72	-8	0.91	0.17	0.44	9.34	129	19.07	149	93	55	2	0	4	0
	AUSTIN	90	73	96	67	82	-4	2.22	1.82	1.74	13.58	217	32.83	170	91	52	6	0	2	1
	BEAUMONT	91	75	96	72	83	0	0.50	-0.66	0.40	11.78	95	34.06	103	94	57	5	0	3	0
	BROWNSVILLE	96	77	98	75	87	2	0.30	-0.13	0.30	1.87	36	15.69	123	94	60	7	0	1	0
	CORPUS CHRISTI	97	75	99	73	86	1	0.03	-0.56	0.03	2.57	39	18.43	114	96	48	7	0	1	0
	DEL RIO	96	77	102	75	87	1	0.04	-0.25	0.04	4.51	104	17.75	168	80	38	5	0	1	0
	EL PASO	90	70	96	66	80	-1	0.01	-0.36	0.01	2.02	75	4.23	99	72	36	4	0	1	0
	FORT WORTH	90	70	100	61	80	-6	2.31	1.86	2.31	7.31	125	27.86	132	88	51	5	0	1	1
	GALVESTON	91	79	94	76	85	1	0.36	-0.55	0.28	2.89	30	30.21	130	81	56	6	0	2	0
	HOUSTON	93	73	97	70	83	0	0.44	-0.28	0.44	7.07	74	37.03	136	96	51	6	0	1	0
	LUBBOCK	87	64	96	59	76	-3	0.86	0.31	0.86	6.42	110	16.50	149	85	45	4	0	1	1
	MIDLAND	91	68	100	60	80	-3	0.00	-0.33	0.00	5.53	149	10.45	129	79	36	5	0	0	0
	SAN ANGELO	92	68	99	63	80	-3	1.76	1.44	1.76	5.06	133	17.78	158	90	44	5	0	2	1
	SAN ANTONIO	95	75	99	69	85	-1	0.54	0.03	0.49	7.04	106	20.85	113	92	39	6	0	2	0
	VICTORIA	94	76	97	75	85	0	0.05	-0.52	0.04	6.36	71	44.20	205	94	52	7	0	2	0
	WACO	92	70	100	64	81	-5	1.46	1.18	0.98	7.24	128	30.31	156	92	50	5	0	4	1
	WICHITA FALLS	88	68	99	62	78	-7	0.57	0.12	0.47	2.76	48	14.36	82	86	47	4	0	2	0
UT	SALT LAKE CITY	89	64	99	62	77	-1	0.22	0.05	0.20	2.79	140	11.65	114	73	27	3	0	2	0
VT	BURLINGTON	79	53	89	47	66	-4	0.12	-0.81	0.12	6.79	82	16.00	81	93	40	0	0	1	0
VA	LYNCHBURG	83	57	89	53	70	-6	0.50	-0.36	0.41	6.60	75	22.17	88	96	46	0	0	4	0
	NORFOLK	83	67	90	63	75	-3	0.00	-1.14	0.00	8.91	88	20.76	74	87	50	1	0	0	0
	RICHMOND	85	62	91	59	74	-4	0.39	-0.69	0.38	7.45	74	21.35	79	93	44	2	0	2	0
	ROANOKE	82	60	88	54	71	-5	0.26	-0.70	0.26	8.26	99	20.46	83	85	43	0	0	1	0
	WASH/DULLES	86	57	94	51	71	-4	0.39	-0.50	0.25	4.13	48	17.62	72	91	32	1	0	3	0
WA	HANFORD	98	67	106	60	83	–	0.00	0.00	0.00	0.65	116	3.77	112	50	19	5	0	0	0
	OLYMPIA	83	52	86	50	67	3	0.01	-0.23	0.01	4.15	151	37.89	141	94	42	0	0	1	0
	QUILLAYUTE	74	48	84	45	61	2	0.00	-0.52	0.00	12.82	202	77.94	135	96	47	0	0	0	0
	SEATTLE-TACOMA	80	58	84	56	69	3	0.00	-0.21	0.00	3.09	122	27.50	141	86	41	0	0	0	0
	SPOKANE	91	61	99	52	76	6	0.00	-0.17	0.00	1.39	66	11.70	120	66	22	5	0	0	0
	YAKIMA	94	63	100	51	78	8	0.00	-0.08	0.00	0.93	119	3.38	78	59	21	5	0	0	0
WV	BECKLEY	76	54	81	47	65	-5	1.02	0.19	1.02	10.08	105	27.33	104	94	58	0	0	1	1
	CHARLESTON	80	58	85	52	69	-6	0.54	-0.45	0.53	11.69	118	29.64	111	97	54	0	0	2	1
	ELKINS	78	51	83	44	64	-5	1.33	0.31	0.81	7.37	72	26.70	95	99	49	0	0	3	2
	HUNTINGTON	80	59	86	52	70	-5	0.17	-0.77	0.11	9.72	104	26.33	100	95	52	0	0	2	0
WI	EAU CLAIRE	82	59	85	47	70	-1	0.21	-0.79	0.16	12.89	137	19.61	101	88	43	0	0	2	0
	GREEN BAY	77	54	81	47	66	-3	0.60	-0.16	0.46	8.22	110	17.00	101	95	56	0	0	5	0
	MADISON	77	56	83	51	67	-4	0.38	-0.52	0.33	11.37	139	20.62	112	91	57	0	0	2	0
	MILWAUKEE	77	60	81	54	69	-2	0.19	-0.61	0.17	12.51	161	21.17	107	86	56	0	0	2	0
WY	CASPER	83	53	91	44	68	-3	0.09	-0.08	0.06	2.89	98	7.65	88	77	29	2	0	2	0
	CHEYENNE	73	53	86	46	63	-5	1.58	1.17	0.93	7.89	168	13.20	129	92	54	0	0	4	1
	LANDER	79	56	89	52	67	-4	0.80	0.69	0.44	3.52	145	8.09	90	77	35	0	0	3	0
	SHERIDAN	80	54	89	48	67	-3	0.39	0.22	0.39	5.50	165	10.97	112	87	43	0	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.

July Weather and Crop Summary

Weather

Extremely dry and occasionally hot weather in the central Corn Belt highlighted a month of extremes. Farther east, the remnants of Hurricane Danny charted a slow but steady course from July 17-25, joining with a slow-moving front to soak the Southeast and ease dryness in parts of the Mid-Atlantic region. Nevertheless, drought continued to develop in most areas from northern Virginia to southern New England. Meanwhile, monsoonal rains arrived across the High Plains and West late in the month, easing drought in some areas but causing flash flooding. On the northern Plains, an usually strong early-month storm delivered heavy rainfall, boosting topsoil moisture. However, drier-than-normal conditions returned thereafter, permitting the winter wheat harvest to advance but stressing summer crops. Farther south, the central Plains' winter wheat harvest wound down with few interruptions.

Monthly temperatures averaged 2 to 4°F below normal across the interior West, and up to 2°F above normal in the Southeast. From July 1-7, cool air overspread the Western and Central States in the wake of the strong early-month storm, setting nearly 100 daily-record lows and several July records. A welcomed shot of cool air arrived across the Midwest and East at month's end, resulting in more than two dozen daily records. In between, highs soared into the middle 90's to near 100°F on July 13-18 and 25-28 across parts of the Midwestern and Middle Atlantic States.

From central Missouri to central Indiana, rainfall as little as 0.50 to 1.00 inch and the aforementioned periods of hot weather stressed corn and soybeans entering and progressing through reproduction. In Indiana, Indianapolis' rainfall of 0.55 inch (12 percent [%] of normal) was their lowest July total since 1914. In addition, a maximum of 99°F on July 27 was their highest since July 14, 1995. Other central Corn Belt stations reporting less than 1 inch included the Illinois cities of Peoria (0.90 inch; 21% of normal) and Springfield (0.89 inch; 25%). In eastern Iowa, only 1.52 inches (37% of normal) dampened Cedar Rapids. Youngstown, OH experienced a record-dry July, receiving only 0.65 inch (16% of normal).

In contrast, very heavy rain soaked the upper Mississippi Valley. In Minnesota, Minneapolis received 12.60 inches, their second-highest July total, fueled by daily-record amounts on July 1 (2.85 inches), 17 (3.71 inches), and 22 (2.69 inches). Rochester, MN absorbed 9.01 inches, their fourth-highest July total and greatest since 1981. Heavy rain fell as far south and east as Des Moines, IA, where a calendar-day, July-record total of 4.45 inches fell on the 24th.

Hurricane Danny crossed the mouth of the Mississippi River on the night of July 17-18, producing a northeasterly wind gust to 95 mph on Grand Isle, LA. The hurricane's sustained winds increased to 80 mph on the 19th as it battered Dauphin Island, AL and wobbled into Mobile Bay. The Dauphin Island Sea Lab clocked a wind gust to 86 mph and recorded 36.71 inches of rain, 25.98 inches of which fell in 7 hours late on July 19. Major flooding struck southern Alabama, where up to 27.00 inches of rain fell. The Fish River near Silverhill crested 3.5 feet higher than the previous record, set on June 9, 1989. Mobile, AL netted 10.06 inches on the 19th and a storm total of 13.04 inches, boosting their monthly rainfall to 18.52 inches, their third-highest July total. Danny's storm tides topped 5 feet in a few locations, peaking at 6.54 feet just east of Gulf Shores, AL. During the same period (July 16-19), a slow-moving, non-tropical disturbance dumped as much as 4 to 10 inches of rain on northern Oklahoma and southern Kansas.

Moisture-laden Danny eventually proceeded into northern Alabama by July 22 as a tropical depression before turning northeastward. Meanwhile, a cold front drifted southward into the Middle Atlantic region, sparking additional heavy rains. On July 23, Charlotte, NC collected 6.88 inches, breaking their 24-hour rainfall record of 5.46 inches, set on October 10-11, 1990. Danny re-intensified while approaching the coast on July 24, producing wind gusts to 58 mph in Elizabeth City, NC and 61 mph at Cape Henry, VA. On the afternoon of July 25, Tropical Storm Danny passed about 15 miles southeast of Nantucket Island, MA, packing wind gusts as high as 70 mph. En route to coastal New England, Danny helped to produce single-day, July-record rainfalls in Newark, NJ (3.54 inches) and New York's Central Park (3.75 inches).

However, significant rainfall missed many areas from northern Virginia to southern New England, helping to hold monthly rainfall as low as 1.14 inches (30% of normal) in Washington, DC, 1.34 inches (35%) in Scranton, PA, and 0.63 inch (22%) in Boston, MA. In Williamsport, PA, rainfall for the first 7 months of the year slipped to 56% of normal. Portland, ME ended the month with 13 consecutive rainless days, their longest such streak since August 7-26, 1995. Meanwhile in parts of Texas, conditions suddenly turned dry. For the fourth time on record and the first time since 1993, only a trace of rain fell during July in both Brownsville and San Antonio. Despite the short-term dryness, the area was spared from excessive heat; San Antonio's maximum of 99°F on July 30 was their highest of the year to date. The last time San Antonio's temperature failed to reach 100°F during a calendar year was 1979.

Farther west, mid-month heat presaged the arrival of monsoonal moisture. In Arizona, Tucson's maximum of 110°F on July 15 was their highest since July 29, 1995. On July 20, a plume of tropical moisture helped to spark a 1.61-inch rainfall in 31 minutes at Billings, MT. During the last week of July, localized heavy downpours battered the High Plains and interior West. On July 28, as much as 8 to 10 inches of rain overwhelmed the Spring Creek basin in Ft. Collins, CO. Preliminary data indicated that the nearby Cache la Poudre River at Ft. Collins rose 4.79 feet (flow increased 2,869 cubic feet per second) on the day of the flood. The next evening, intense rainfall struck locations such as Amarillo, TX (2.80 inches in 39 minutes) and Colorado Springs, CO (2.02 inches in 34 minutes). On July 30, Denver, CO (2.71 inches) endured their heaviest 24-hour rainfall ever in July. And in Phoenix, AZ, a 117-day streak without measurable rainfall--their sixth longest on record--ended on July 30.

The early part of July featured a spring-like storm and an unusually cool outbreak. The storm intensified rapidly across the northern Plains on July 1, reaching southeastern Canada 2 days later. Monthly record minima were established in Ely, NV (28°F on July 1), Alamosa, CO (30°F on July 2), North Platte, NE (39°F on July 4), Kansas City, MO (51°F on July 5), and International Falls, MN (34°F on July 7). In Williston, ND, a 4.82-inch rainfall on July 1 boosted their monthly total to 6.62 inches, 75% of their year-to-date total. Non-thunderstorm winds in the storm's wake gusted to 61 mph in Chamberlain, SD and 52 mph in Worthington, MN. Sixteen tornadoes raked Michigan, however, on July 2, a State single-day record. A day later, additional severe thunderstorms ripped through interior New England. Two weeks later, adverse weather returned to New England in the form of heavy rain. Flooding occurred in northern Vermont as July 13-15 rainfall topped 6 inches in some locations.

Warm (temperatures up to 5°F above normal), dry weather prevailed in much of Alaska. One exception was the southeast, where Juneau tallied a July-record total of 10.36 inches (249% of normal). But in McGrath, where temperatures averaged 5°F above normal, rainfall totaled just 0.40 inch (20% of normal) and smoke was observed on 29 days. By August 1, more than 70% of the United States' year-to-date burned acreage of 2.18 million acres (about 3,400 square miles) was in Alaska. Meanwhile in Hawaii, temperatures averaged slightly above normal and heavy rain fell in windward (east-facing) areas, including 19.37 inches (199% of normal) in Hilo.

Fieldwork

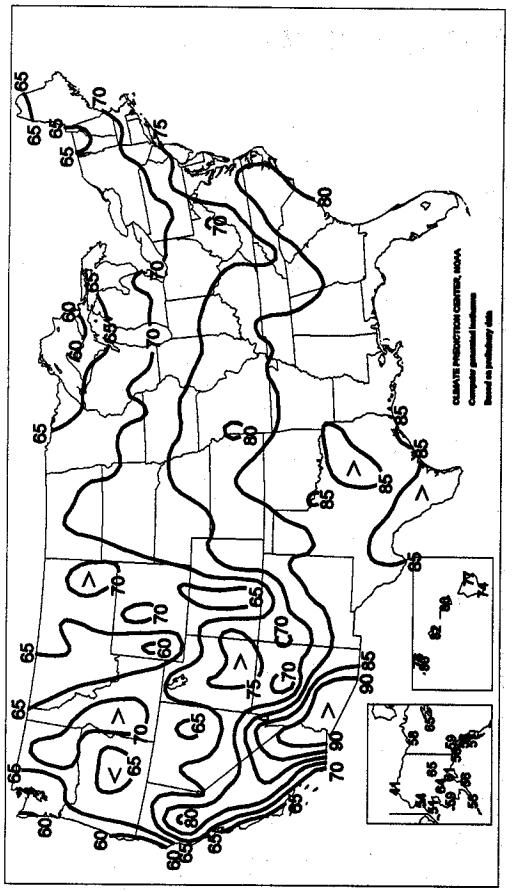
Drier, warmer weather in July allowed farmers across the United States to cultivate fields and apply fertilizer and pesticides. Sunshine and warmth early in the month promoted rapid crop growth throughout the Corn Belt. Progress of corn and soybeans took a dramatic jump in the middle of July that corresponded to the jump in planting progress earlier in the spring. By the end of the month, both corn silking and soybean setting pods were ahead of last year and the average. Lack of moisture began to stress the crops as the month progressed, but temperatures turned cooler at month's end, moderating the stress slightly. Crop conditions remained good in areas that received moisture, but conditions declined in fields only a few miles away that missed the scattered showers.

After a slow start in June, winter wheat harvest progressed rapidly in July due to generally warm, dry weather in the major winter wheat-producing States. Harvest in the southern Plains and Southeast finished slightly ahead of average by mid-month. In the northern Plains and Northwest, harvest progressed behind the normal pace until the end of the month, when dry, sunny weather allowed farmers into ripe fields. Timely showers along the northern tier States provided enough moisture for spring small grain development to catch up after late planting. Spring wheat and barley completed heading ahead of last year and the average. Late-month cool, wet weather in North Dakota promoted the development of head and foliar diseases. Oats were harvested at the average national pace. Spring wheat and barley harvest were just underway by month's end.

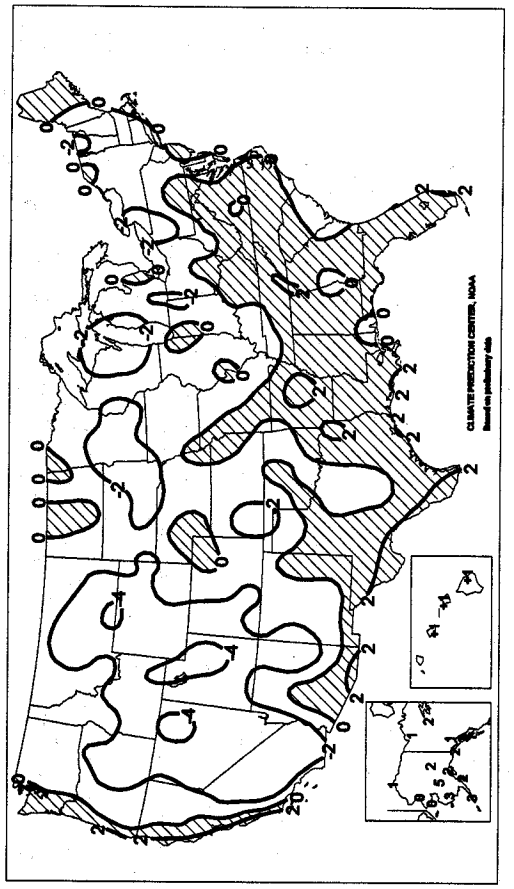
Torrential rains along the path of Hurricane Danny's remnants may have caused damage to some fields in the Southeast, but most crops benefitted from the much-needed moisture. Cotton fields developed ahead of normal in the western cotton-producing States, but Southeastern fields progressed behind normal. Progress was well ahead of normal in California and Arizona as seasonable temperatures provided good growing conditions. Toward the end of the month, the cotton acreage in Missouri and Texas showed signs of moisture stress. Cotton, peanut, and rice fields benefited from showers along the Gulf and southern Atlantic Coasts at the end of the month. Peanut and rice fields developed behind the normal pace.

The Nation's sorghum crop progressed near normal for most of the month. Areas in the central Plains and Corn Belt showed signs of moisture stress toward the end of the month. Persistent dryness stressed both crops and pastures throughout the middle Atlantic Coast States and eastern Ohio Valley.

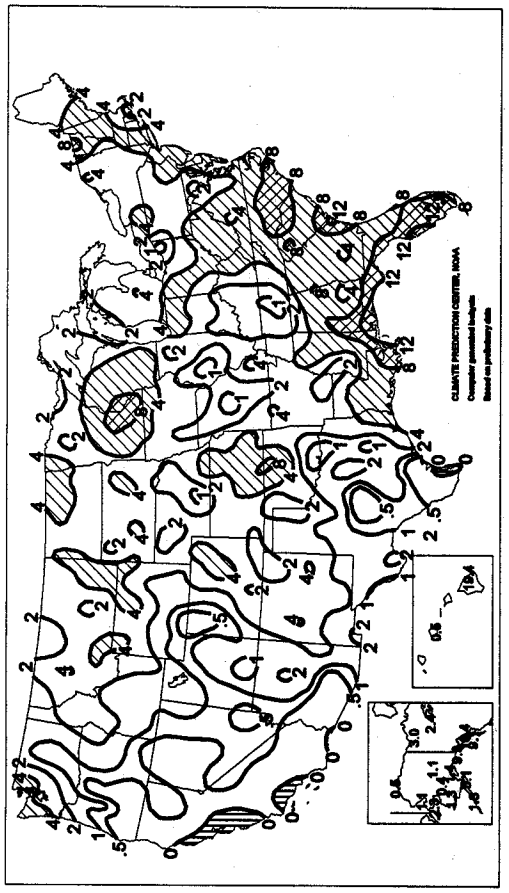
Average Temperature (°F)
July 1997



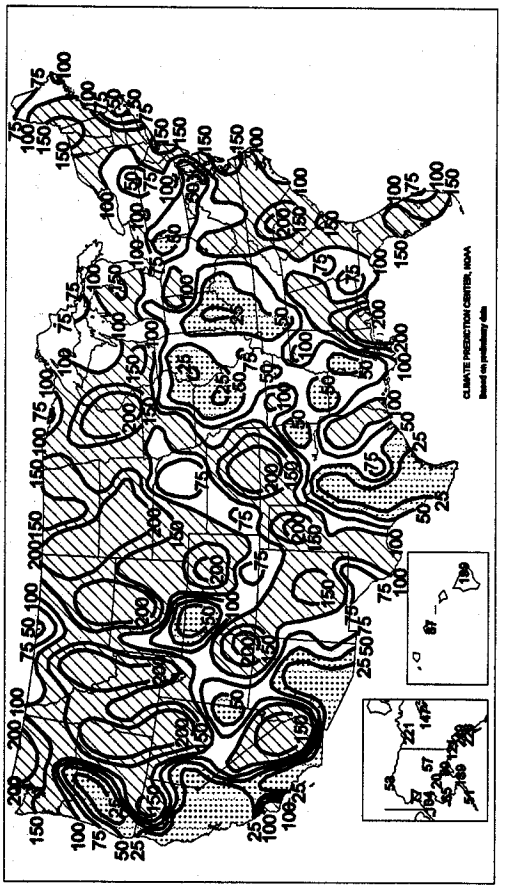
Departure of Average Temperature from Normal (°F)
July 1997



Total Precipitation (Inches)
July 1997



Percent of Normal Precipitation
July 1997



TEMPERATURE AND PRECIPITATION SUMMARY
July 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	80	1	5.48	0.23	ME	CARIBOU	65	0	2.64	-1.37		SCRANTON	70	-1	1.34	-2.45
	HUNTSVILLE	80	1	1.39	-3.46		PORTLAND	69	0	2.01	-1.08		WILLIAMSPORT	72	-1	1.54	-2.44
	MOBILE	81	-1	18.52	11.67	MD	BALTIMORE	77	0	1.32	-2.37	RI	PROVIDENCE	74	1	1.44	-1.74
	MONTGOMERY	82	0	1.78	-3.41	MA	BOSTON	73	0	0.63	-2.21	SC	BEAUFORT	81	0	9.42	3.03
AK	ANCHORAGE	61	2	1.36	-0.35		WORCESTER	69	-1	2.98	-0.87		CHARLESTON	81	-1	8.51	1.67
	BARROW	41	2	0.50	-0.45	MI	ALPENA	66	-1	3.05	0.13		COLUMBIA	81	1	8.16	2.66
	FAIRBANKS	65	2	1.08	-0.79		GRAND RAPIDS	71	-1	1.95	-1.23		GREENVILLE	79	1	6.02	1.39
	JUNEAU	58	2	10.36	6.20		HOUGHTON LAKE	65	-2	2.58	-0.01	SD	ABERDEEN	71	-2	1.41	-1.34
	KODIAK	56	2	5.13	1.43		LANSING	68	-2	2.25	-0.27		HURON	73	-1	6.30	3.63
	NOME	51	0	2.25	0.08		MARQUETTE	--	--	1.60	-1.28		RAPID CITY	71	-1	3.67	1.63
AZ	FLAGSTAFF	64	-2	0.21	-2.57		MUSKEGON	69	-2	2.17	0.07		SIOUX FALLS	72	-2	2.94	0.26
	PHOENIX	94	0	0.17	-0.66	MN	DULUTH	64	-2	4.33	0.72	TN	BRISTOL	74	0	4.40	0.09
	PRESCOTT	74	1	0.54	-2.66		INT'L FALLS	64	-3	2.64	-0.95		CHATTANOOGA	80	1	4.16	-0.69
	TUCSON	88	1	0.51	-1.86		MINNEAPOLIS	71	-3	12.60	9.07		KNOXVILLE	78	2	3.75	-0.92
	YUMA	93	-1	0.00	-0.26		ROCHESTER	69	-2	9.01	4.81		MEMPHIS	83	0	4.35	0.57
AR	FORT SMITH	83	1	1.06	-1.93		ST. CLOUD	69	-1	6.89	3.78		NASHVILLE	80	0	3.26	-0.71
	LITTLE ROCK	84	2	3.12	-0.19	MS	JACKSON	82	1	1.15	-3.36	TX	ABILENE	83	-2	0.28	-1.81
CA	BAKERSFIELD	81	-3	0.00	-0.01		MERIDIAN	81	0	4.84	-0.31		AMARILLO	78	-1	5.51	2.89
	EUREKA	60	3	T	-0.13		TUPELO	81	0	4.60	0.31		AUSTIN	84	-1	2.38	0.34
	FRESNO	81	-1	0.00	-0.01	MO	COLUMBIA	77	0	0.43	-3.24		BEAUMONT	84	1	7.68	2.30
	LOS ANGELES	69	0	0.00	-0.01		KANSAS CITY	78	-1	3.53	-0.86		BROWNSVILLE	85	1	T	-1.91
	REDDING	81	0	T	-0.17		SAINT LOUIS	80	0	1.44	-2.41		CORPUS CHRISTI	85	0	0.16	-2.23
	SACRAM/MCCLELL	79	--	T	--		SPRINGFIELD	78	0	1.72	-1.20		DEL RIO	86	1	0.77	-1.08
	SAN DIEGO	69	-2	T	-0.02	MT	BILLINGS	69	-3	2.76	1.83		EL PASO	83	1	0.91	-0.63
	SAN FRANCISCO	64	1	0.00	-0.03		BUTTE	62	-1	2.97	1.71		FORT WORTH	85	0	1.68	-0.63
CO	ALAMOSA	63	-2	0.91	-0.28		GLASGOW	70	-1	2.68	0.96		GALVESTON	85	2	1.07	-2.89
	CO SPRINGS	71	0	4.63	1.73		GREAT FALLS	65	-3	1.59	0.35		HOUSTON	83	0	2.30	-1.30
	DENVER	73	1	5.60	3.61		KALISPELL	62	-1	1.02	-0.10		LUBBOCK	81	1	2.06	-0.31
	GRAND JUNCTION	76	-3	0.28	-0.37		MILES CITY	73	-2	2.65	1.09		MIDLAND	83	1	2.26	0.56
	PUEBLO	75	-2	0.80	-1.29		MISSOULA	65	-2	1.52	0.61		SAN ANGELO	84	1	0.74	-0.32
CT	BRIDGEPORT	73	-2	4.20	0.42	NE	GRAND ISLAND	76	0	2.10	-0.73		SAN ANTONIO	85	0	T	-2.16
	HARTFORD	72	-1	3.91	0.72		LINCOLN	78	0	2.18	-1.02		VICTORIA	85	1	0.03	-3.31
DC	WASHINGTON	80	0	1.14	-2.66		NORFOLK	75	-1	1.78	-1.46		WACO	85	0	0.80	-1.18
DE	WILMINGTON	76	0	3.08	-1.15		NORTH PLATTE	74	0	3.19	0.13		WICHITA FALLS	85	0	0.11	-1.61
FL	DAYTONA BEACH	81	0	7.69	2.29		OMAHA	77	0	4.61	1.10	UT	SALT LAKE CITY	75	-3	0.84	0.03
	JACKSONVILLE	82	0	7.50	1.90		SCOTTSBLUFF	72	-2	2.28	0.22	VT	BURLINGTON	69	-2	3.89	0.24
	KEY WEST	84	0	6.90	3.29		VALENTINE	73	-1	4.96	1.90	VA	LYNCHBURG	75	-1	2.74	-1.42
	MIAMI	84	2	7.62	1.92	NV	ELY	66	-2	0.41	-0.28		NORFOLK	79	1	7.85	2.79
	ORLANDO	82	0	11.53	4.28		LAS VEGAS	88	-3	0.60	0.25		RICHMOND	78	0	4.85	-0.18
	TAMPA	83	0	6.73	0.16		RENO	69	-2	0.04	-0.24		ROANOKE	76	0	3.39	-0.52
	VALPARAISO/EGLIN	83	3	8.80	-0.02		WINNEMUCCA	69	-2	0.43	0.16		WASH/DULLES	76	0	1.38	-2.11
	WEST PALM BEACH	83	1	3.29	-2.85	NH	CONCORD	69	0	3.80	0.57	WA	HANFORD	75	--	0.19	0.01
GA	ATHENS	80	0	4.88	0.00	NJ	NEWARK	76	-2	7.05	2.55		OLYMPIA	63	0	1.18	0.37
	ATLANTA	79	0	4.71	-0.30	NM	ALBUQUERQUE	78	-1	2.04	0.67		QUILLAYUTE	59	0	4.00	1.43
	AUGUSTA	80	0	5.84	1.60	NY	ALBANY	70	-1	2.34	-0.84		SEATTLE-TACOMA	64	-1	1.20	0.44
	COLUMBUS	82	0	4.40	-1.14		BINGHAMTON	67	-2	1.56	-1.94		SPOKANE	67	-1	0.80	0.13
	MACON	81	0	1.44	-2.86		BUFFALO	69	-3	1.85	-1.23		YAKIMA	69	0	0.04	-0.12
	SAVANNAH	81	-1	11.57	5.19		ROCHESTER	68	-2	1.94	-0.77	WV	BECKLEY	71	1	4.34	-0.37
HI	HILO	77	1	19.37	9.66		SYRACUSE	70	-1	2.78	-1.03		CHARLESTON	74	-1	5.83	0.84
	HONOLULU	81	1	0.92	0.33	NC	ASHEVILLE	73	1	2.97	-1.55		ELKINS	69	0	3.36	-1.16
	KAHULUI	80	1	--	--		CHARLOTTE	81	2	8.94	5.02		HUNTINGTON	75	0	4.63	-0.02
	LIHUE	79	1	--	--		GREENSBORO	78	1	3.03	-1.48	WI	EAU CLAIRE	70	-2	7.62	3.68
ID	BOISE	73	-1	0.45	0.10		HATTERAS	78	0	4.97	-0.01		GREEN BAY	66	-3	2.11	-0.99
	LEWISTON	72	-2	1.03	0.36		RALEIGH	79	1	6.51	2.50		MADISON	69	-2	6.23	2.84
	POCATELLO	67	-4	1.65	1.00		WILMINGTON	80	0	6.15	-1.98		MILWAUKEE	69	-2	3.54	0.07
IL	CHICAGO/O'HARE	73	0	3.04	-0.62	ND	BISMARCK	72	1	2.21	0.07	WY	CASPER	69	-2	1.46	0.20
	MOLINE	75	0	1.46	-3.49		DICKINSON	68	-2	5.65	3.57		CHEYENNE	68	0	2.80	0.71
	PEORIA	75	0	0.90	-3.30		FARGO	69	-2	2.73	0.03		LANDER	69	-2	1.14	0.33
	ROCKFORD	72	-1	1.69	-2.43		GRAND FORKS	71	2	5.22	2.41		SHERIDAN	67	-3	3.13	2.25
	SPRINGFIELD	76	-1	0.89	-2.63		JAMESTOWN	71	0	4.17	1.41	PR	SAN JUAN	--	--	4.76	0.40
IN	EVANSVILLE	77	-1	1.71	-2.33		WILLISTON	69	-2	6.62	4.52						
	FORT WAYNE	72	-2	5.53	2.08	OH	AKRON-CANTON	71	-1	1.19	-2.89						
	INDIANAPOLIS	75	0	0.55	-3.92		CINCINNATI	75	0	0.63	-3.61						
	SOUTH BEND	72	-1	1.99	-1.83		CLEVELAND	70	-1	1.51	-2.01						
IA	BURLINGTON	--	--	2.26	-1.98		COLUMBUS	74	1	2.91	-1.40						
	CEDAR RAPIDS	74	0	1.52	-2.59		DAYTON	73	-1	3.07	-0.47						
	DES MOINES	75	-1	6.43	2.65		MANSFIELD	70	-2	4.42	0.38						
	DUBUQUE	71	-1	2.75	-1.27		TOLEDO	71	-1	2.62	-0.65						
	SIOUX CITY	74	-2	1.94	-1.33		YOUNGSTOWN	69	-2	0.65	-3.42						
	WATERLOO	72	-1	1.27	-3.56	OK	OKLAHOMA CITY	82	0	3.41	0.80						
KS	CONCORDIA	78	-1	2.93	-0.72		TULSA	82	-2	5.63	2.54						
	DODGE CITY	78	-3	2.91	-0.33	OR	ASTORIA	62	2	1.36	0.21						
	GOODLAND	75	-1	2.96	0.09		BURNS	64	-2	0.69	0.29						
	TOPEKA	78	0	2.59	-1.00		EUGENE	66	-1	0.10	-0.41						
	WICHITA	79	-2	5.89	2.76		MEDFORD	73	0	0.02	-0.24						
KY	JACKSON	76	1	2.40	-2.74		PENDLETON	70	-2	0.66	0.31						
	LEXINGTON	76	0	3.32	-1.66		PORTLAND	69	1	0.52	-0.11						
	LOUISVILLE	79	1	1.51	-3.00		SALEM	67	1	0.36	-0.20						
	PADUCAH	78	0	2.78	-1.41	PA	ALLENTOWN	72	-2	6.84	2.70						
LA	BATON ROUGE	82	0	4.71	-2.03		ERIE	69	-2	2.90	-0.53						
	LAKE CHARLES	83	1	5.15	-0.05		MIDDLETOWN	77	1	4.82	1.23						
	NEW ORLEANS	83	1	3.94	-2.18		PHILADELPHIA	76	0	2.38	-1.90						
	SHREVEPORT	83	1	1.73	-1.94		PITTSBURGH	71	-1	1.82	-1.93						

Based on 1961-90 normals.

National Agricultural Summary

August 4 - 10, 1997

HIGHLIGHTS

Crop conditions declined in the Corn Belt as scattered showers provided 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. The cool weather provided relief to dry soils as far south as Florida and Texas. Hot, dry weather in the northern Plains and west of the Rocky Mountains allowed grain harvest to make good progress. Beneficial rain fell in New England, bringing some relief to moisture-stressed crops and pastures.

Winter wheat: Above-normal temperatures and limited precipitation provided ideal harvest conditions for winter wheat growers in Oregon, South Dakota, and Washington. Scattered showers hampered harvest in parts of Idaho and Montana. Nationwide, winter wheat harvest was complete on 90 percent (%) of the acreage, slightly ahead of 89% at this time last year and for the 5-year average.

Corn: Corn condition declined due to persistently dry soils in the Corn Belt. The topsoil rating in Iowa was the driest since July 3, 1992. In Illinois, lack of moisture has hampered kernel formation. Irrigation systems operated nearly non-stop in Nebraska. Overall, the corn crop condition rated mostly good to fair. Corn silking advanced to 96% complete, compared with 86% in 1996 and the average of 88%. Corn was in the dough stage on 28% of the acreage, slightly behind the average. Harvest for grain and silage was underway in the southern States.

Soybeans: Soybeans continued to progress despite signs of stress due to dry soils. Plants were blooming on 89% of the national acreage, ahead of 80% last year and the average of 84%. Plants on 62% of the acreage were setting pods, also ahead of 1996 and the average. In Illinois, soybeans continued setting pods, but moisture was needed for filling. Below-normal temperatures across the Eastern and Central States somewhat moderated the effects of short moisture supplies on both corn and soybeans. Soybeans in the Southeast benefited from scattered showers.

Cotton: Cotton condition increased in the Southeast due to rainfall. However, overall condition of the crop declined due to dry weather elsewhere. Late-week rains in northern Texas were welcomed, but below-normal temperatures limited progress. The late-week showers hampered harvest in southern areas of the State. Eighty-eight percent of the national cotton acreage was setting bolls, behind 94% in 1996 but ahead of the average of 87%. Bolls were opening on 7% of the acreage, behind both 1996 and the average. Cotton was blooming and setting bolls in most California fields, while bolls were beginning to open in southern areas. Georgia cotton growers were spraying for worms.

Rice: Rice heading advanced to 65% complete, 12 percentage points behind last year but only 2 points behind the average. Rice grew rapidly in California as development remained nearly 2 weeks ahead of normal. Rice harvest was well underway in Louisiana but was slowed by rain. In Texas, draining activity increased and harvest began in a few more fields. Overall, 4% of the acreage was harvested, behind the average of 9%. Normally, Arkansas growers would have started harvest by this time. The rice crop remained in mostly good condition. Disease and weed treatments were ongoing in Arkansas.

Other Small Grains: Spring wheat at 10% harvested and barley at 11% harvested gained momentum as very warm, dry weather dominated the northern Plains. Harvest of both crops in South Dakota progressed rapidly under ideal conditions. Barley and spring wheat condition declined due to dry topsoils in eastern Montana and western North Dakota. Head blight scab also contributed to the declining condition in North Dakota. Oat harvest neared the half-way mark, just ahead of both 1996 and the average.

Other Crops: Sorghum heading was 70% complete, behind the 73% headed at this time last year but ahead of the average of 61%. Heading was well ahead of normal in the central Plains. Twenty-six percent of the acreage was turning color, behind 27% in 1996 and the average of 28%. Rainfall in the western and southern major sorghum-producing States improved crop condition. However, the dry weather in the central Plains and Corn Belt stressed sorghum fields. At the national level, sorghum condition remained in mostly good condition. Peanuts were pegging on 94% of the Nation's acreage, 3 points behind 1996. The peanut crop rated mostly good. Georgia peanut growers sprayed fungicide on peanut fields. Insect and disease problems were light in Texas.

Crop Progress and Condition

Week Ending August 10, 1997

Winter Wheat Percent Harvested

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	100	97	99	97
GA	100	100	100	100
ID	24	10	36	37
IL	100	100	99	99
IN	100	99	100	100
KS	100	100	100	99
MI	99	92	94	96
MO	100	100	100	99
MT	61	39	42	27
NE	99	97	98	97
NC	100	100	100	100
OH	100	97	100	99
OK	100	100	100	100
OR	64	44	56	68
SD	76	46	85	80
TX	100	100	100	100
WA	42	27	40	59
ALL	90	86	89	89

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

Rice Percent Headed

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AR	51	27	78	69
CA	65	40	46	26
LA	79	76	86	84
MS	78	60	87	77
TX	82	65	100	90
ALL	65	46	77	67

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

Rice Percent Harvested

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AR	0	NA	8	2
CA	0	NA	0	0
LA	20	NA	23	27
MS	0	NA	0	0
TX	1	NA	29	22
ALL	4	NA	11	9

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

Soybeans Percent Blooming

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AL	58	51	67	67
AR	70	51	76	69
GA	83	70	70	74
IL	95	91	73	87
IN	89	79	70	90
IA	98	95	91	91
KS	92	86	92	81
KY	44	32	59	70
LA	96	91	98	90
MI	95	68	52	81
MN	99	93	93	90
MS	81	75	93	84
MO	87	72	76	74
NE	99	93	96	91
NC	48	32	51	54
OH	94	89	71	91
SC	69	46	62	59
SD	93	80	86	77
TN	52	40	73	72
ALL	89	81	80	84

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

Soybeans Percent Setting Pods

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AL	31	22	37	42
AR	26	12	48	39
GA	52	41	46	46
IL	73	40	29	53
IN	55	32	21	52
IA	79	58	60	66
KS	75	40	56	47
KY	25	12	34	33
LA	75	66	79	69
MI	53	22	24	41
MN	64	36	49	59
MS	71	42	78	59
MO	54	29	40	42
NE	67	40	49	51
NC	20	15	28	27
OH	60	38	14	53
SC	32	20	34	28
SD	72	50	52	48
TN	25	16	36	36
ALL	62	38	42	52

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

Corn Percent Silking

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
CO	88	66	89	74
GA	100	100	100	100
IL	99	94	87	95
IN	92	77	75	93
IA	99	92	91	88
KS	99	98	100	95
KY	84	73	92	93
MI	83	47	64	78
MN	99	94	94	88
MO	100	95	96	89
NE	99	91	96	91
NC	100	95	100	99
OH	91	61	72	90
PA	70	62	82	77
SD	88	71	68	68
TX	98	97	100	98
WI	93	75	60	71
ALL	96	85	86	88

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

Corn Percent Dough

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
CO	26	NA	29	15
GA	98	NA	97	99
IL	37	NA	21	44
IN	29	NA	21	37
IA	13	NA	3	13
KS	60	NA	76	51
KY	34	NA	52	65
MI	0	NA	0	2
MN	0	NA	3	7
MO	73	NA	69	55
NE	37	NA	20	28
NC	83	NA	90	85
OH	18	NA	0	29
PA	18	NA	28	20
SD	16	NA	16	13
TX	87	NA	94	84
WI	18	NA	8	13
ALL	28	NA	21	29

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

Crop Progress and Condition

Week Ending August 10, 1997

Cotton Percent Setting Bolls

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AL	76	61	90	92
AZ	100	98	100	99
AR	100	97	100	98
CA	100	90	100	96
GA	94	90	99	99
LA	100	96	100	99
MS	99	95	100	98
MO	100	85	100	98
NM	99	89	98	89
NC	72	70	89	85
OK	39	25	87	72
SC	71	64	97	91
TN	93	84	100	99
TX	83	71	89	74
ALL	88	80	94	87

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

Cotton Percent Bolls Opening

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AL	0	0	3	3
AZ	25	15	42	31
AR	2	1	0	0
CA	10	5	4	4
GA	1	0	9	6
LA	0	0	9	7
MS	7	2	10	4
MO	0	0	2	1
NM	10	0	10	5
NC	2	1	6	2
OK	0	0	3	1
SC	2	1	2	1
TN	0	0	1	1
TX	11	7	17	14
ALL	7	4	11	8

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

Barley Percent Harvested

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
ID	13	5	15	21
MN	9	2	18	16
MT	10	1	6	8
ND	7	1	8	10
SD	50	5	37	43
WA	25	6	28	44
ALL	11	2	12	15

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

Sorghum Percent Headed

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AR	82	71	92	90
CO	25	18	41	29
IL	69	46	26	52
KS	70	46	74	45
LA	90	86	100	97
MS	99	97	97	93
MO	78	61	64	66
NE	69	37	52	47
NM	32	10	13	31
OK	33	19	55	51
SD	57	39	48	36
TX	79	76	88	85
ALL	70	55	73	61

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

Sorghum Percent Coloring

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AR	20	11	53	45
CO	0	0	0	0
IL	9	5	2	10
KS	10	4	8	4
LA	37	32	80	67
MS	75	55	78	62
MO	23	5	13	17
NE	0	0	0	1
NM	0	0	1	1
OK	8	5	23	14
SD	6	6	8	3
TX	57	54	60	67
ALL	26	21	27	28

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

Spring Wheat Percent Harvested

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
ID	9	2	13	17
MN	13	2	30	18
MT	4	1	6	5
ND	5	0	5	5
SD	38	4	25	33
ALL	10	1	11	10

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

Oats Percent Harvested

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
IA	97	77	90	89
MI	60	25	29	30
MN	37	9	50	39
NE	98	94	95	89
ND	4	0	7	8
OH	76	51	68	71
PA	59	45	49	55
SD	58	20	52	54
WI	40	20	29	33
ALL	48	28	45	45

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

Peanuts Percent Pegging

	Aug 10 1997	Prev Week	Prev Year	5-Yr Avg
AL	98	85	100	NA
FL	100	99	99	NA
GA	98	98	100	NA
NC	90	85	91	NA
OK	98	96	99	NA
SC	75	68	94	NA
TX	84	78	90	NA
VA	99	99	100	NA
ALL	94	91	97	NA

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

Corn Crop Condition by Percent

	VP	P	F	G	EX
CO	2	5	18	51	24
GA	0	2	23	69	6
IL	6	19	42	29	4
IN	6	15	45	29	5
IA	2	7	23	52	16
KS	1	8	27	48	16
KY	6	26	41	25	2
MI	11	17	33	33	6
MN	0	3	18	53	26
MO	8	24	37	26	5
NE	3	9	27	48	13
NC	1	14	31	52	2
OH	2	8	26	44	20
PA	20	27	33	18	2
SD	0	2	13	55	30
TX	0	3	24	47	26
WI	0	2	11	51	36
ALL	3	11	28	43	15
Prev Wk	2	7	25	50	16
Prev Yr	3	8	25	48	16

Crop Progress and Condition

Week Ending August 10, 1997

Soybeans Crop Condition by Percent

	VP	P	F	G	EX
AL	2	37	34	25	2
AR	2	12	33	44	9
GA	1	7	23	65	4
IL	4	16	44	33	3
IN	5	12	42	34	7
IA	1	8	25	50	16
KS	1	5	34	50	10
KY	8	24	35	30	3
LA	2	12	30	50	6
MI	5	12	26	48	9
MN	1	7	26	54	12
MS	0	4	21	58	17
MO	6	22	40	29	3
NE	1	8	37	47	7
NC	0	3	17	77	3
OH	1	7	28	47	17
SC	0	2	13	70	15
SD	0	3	19	57	21
TN	2	14	35	39	10
ALL	2	11	32	45	10
Prev Wk	2	8	30	49	11
Prev Yr	2	9	31	47	11

Cotton Crop Condition by Percent

	VP	P	F	G	EX
AL	21	9	44	24	2
AZ	0	0	10	60	30
AR	0	19	39	38	4
CA	0	0	0	65	35
GA	0	4	25	59	12
LA	4	10	36	44	6
MS	0	4	23	63	10
MO	1	6	57	32	4
NM	0	8	23	49	20
NC	1	4	28	65	2
OK	0	5	23	68	4
SC	1	2	14	73	10
TN	0	8	35	49	8
TX	2	14	34	42	8
ALL	2	9	30	49	10
Prev Wk	2	9	30	48	11
Prev Yr	3	12	24	42	19

Sorghum Crop Condition by Percent

	VP	P	F	G	EX
AR	1	10	48	39	2
CO	0	0	15	70	15
IL	4	14	46	36	0
KS	1	5	25	56	13
LA	0	3	32	63	2
MS	0	3	19	76	2
MO	7	17	41	33	2
NE	6	13	33	44	4
NM	0	2	30	66	2
OK	0	2	35	61	2
SD	0	1	14	70	15
TX	1	6	30	51	12
ALL	2	7	29	52	10
Prev Wk	1	7	29	51	12
Prev Yr	3	7	25	51	14

Oats Crop Condition by Percent

	VP	P	F	G	EX
IA	1	3	24	57	15
MI	1	5	31	53	10
MN	2	11	33	49	5
NE	0	6	39	51	4
ND	4	27	40	28	1
OH	1	3	31	55	10
PA	0	5	30	57	8
SD	0	5	21	62	12
WI	0	2	21	60	17
ALL	1	10	29	51	9
Prev Wk	2	9	31	49	9
Prev Yr	0	5	30	55	10

Peanuts Crop Condition by Percent

	VP	P	F	G	EX
AL	0	11	46	37	6
FL	0	1	4	70	25
GA	0	2	27	61	10
NC	0	0	32	67	1
OK	0	0	33	64	3
SC	0	0	14	80	6
TX	0	4	18	60	18
VA	0	0	25	65	10
ALL	0	3	27	59	11
Prev Wk	0	4	27	57	12
Prev Yr	1	7	30	52	10

Barley Crop Condition by Percent

	VP	P	F	G	EX
ID	0	1	7	66	26
MN	4	14	43	35	4
MT	1	5	41	44	9
ND	3	16	41	37	3
SD	0	2	21	69	8
WA	0	0	10	71	19
ALL	2	10	34	45	9
Prev Wk	2	10	31	48	9
Prev Yr	1	9	28	51	11

Spring Wheat Crop Condition by Percent

	VP	P	F	G	EX
ID	0	1	10	64	25
MN	3	20	37	37	3
MT	0	10	40	44	6
ND	5	20	42	32	1
SD	0	6	37	47	10
ALL	3	15	40	38	4
Prev Wk	3	13	41	38	5
Prev Yr	1	9	35	47	8

Rice Crop Condition by Percent

	VP	P	F	G	EX
AR	0	3	24	54	19
CA	0	0	50	50	0
LA	0	4	31	54	11
MS	0	4	22	63	11
TX	0	6	47	42	5
ALL	0	3	33	52	12
Prev Wk	0	2	30	56	12
Prev Yr	0	3	19	60	18

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

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

(Continued on back cover)

State Agricultural Summaries

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

ALABAMA: Days suitable for fieldwork 6.1. Topsoil 13% very short, 37% short, 49% adequate, 1% surplus. Corn dented 85%, 86% 1996, 86% avg. Corn mature 53%, 47% 1996, 50% avg. Corn harvested 11%, 6% 1996, 12% avg. Corn 5% poor, 42% fair, 41% good, 12% excellent. Livestock 3% poor, 32% fair, 59% good, 6% excellent.

ALASKA: Days suitable for baling hay 3. Topsoil 20% short, 80% adequate. Subsoil 30% short, 70% adequate. First crop hay harvest virtually complete. Barley 10% dough, 90% turning color; last year barley 70% in dough, 30% turning color. Oats 20% dough, 80% turning color.

ARIZONA: Alfalfa harvested 39%, 10% light, 21% moderate, 30% active. Alfalfa 20% fair, 71% good, and 9% excellent. Central area growers shipped carrots, cantaloupe, honeydews, speciality melons. Harvest of chile peppers, apples expected to become active in eastern area fields.

ARKANSAS: Days suitable for fieldwork 6. Soil moisture supplies 33% very short, 47% short, 20% adequate. Corn 4% poor, 29% fair, 52% good, 15% excellent. Alfalfa hay 20% poor, 29% fair, 50% good, 1% excellent. Other hay 3% very poor, 24% poor, 43% fair, 28% good, 2% excellent. Pasture 4% very poor, 31% poor, 40% fair, 23% good, 2% excellent. Main farming activities: Irrigation of crops, harvest of hay, cotton pest control. Other farm activities: Soybean weed control, rice and soybean disease control, peach harvest. Pastures continue dry. Some cattle producers are feeding hay or moving cattle to better pasture or selling cattle.

CALIFORNIA: Field activities progressed normally under clear skies in most areas. Grain harvests of wheat and barley continued at higher elevations. Ground preparation for seeding 1998's small grain crops was underway in central and southern counties. Rice grew rapidly in the Sacramento and San Joaquin valleys as development remained ahead of normal. Weed treatments were ongoing in some Sacramento Valley rice fields. Wild rice harvest was underway in the northern Sacramento Valley. Cotton was blooming, setting bolls in most fields, and bolls were beginning to open in the southern San Joaquin Valley. Growers continued to spray for aphids, lygus, mites, whiteflies, worms, weeds. Corn silage, garbanzo beans, safflower, seed alfalfa, sugarbeets were harvested. Some sugarbeet fields were treated for worms. Blackeye bean harvest was expected to begin this week in the southern San Joaquin Valley. Alfalfa, sudangrass were cut for hay or greenchopped. Harvest of wine and table grapes continued. Harvest preparation continued in raisin vineyards. Almond harvest gained momentum in the central San Joaquin Valley, as orchard preparation continued to the north. Deciduous fruit harvest was about 75% complete in the central San Joaquin Valley. Harvest continued for peaches, plums, nectarines, pluots, figs. Gala, other early apple varieties continued to be harvested. The new crop navel oranges were treated with light summer oil to control red scale. The scale problem was light in olives. Valencia harvest has slowed as packers wait for a later season marketing window. Red grapefruit, lemons were harvested. Lettuce, broccoli cut in the coastal areas. Harvest of processing, fresh market tomatoes was increasing. Sweet corn harvest increased in Santa Clara and San Benito counties. Bell peppers harvested in some areas, sprayed to control whitefly, aphids, worms in other areas. Harvest of onions in the coastal areas progressed. Sweet potato harvest continued in Merced County. Harvesting of melons was increasing in the Sacramento Valley, while declining in the southern San Joaquin Valley. Cantaloupe harvest in Kings County was complete. Carrot harvest in Kern and Kings counties continued. Potato harvest progressed in Kern County. Ground preparation for fall vegetable planting in the Imperial and San Joaquin valleys progressed normally. Other crops harvested: Cabbage, garlic, radishes, vineseed, eggplant, squash, okra, green beans. Rangeland forage poor at lower elevations, good to fair at upper elevations. Feed volume reduced in some areas. Stock water adequate. Supplemental feeding was necessary at lower elevations. Livestock good.

COLORADO: Days suitable for fieldwork 2.5. Topsoil 1% very short, 9% short, 67% adequate, 23% surplus. Subsoil 6% very short, 23% short, 61% adequate, 10% surplus. Spring barley 88% turning color, 100% 1996, 83% avg.; 30% harvested, 34% 1996, 26% avg.; 1% very poor, 9% poor, 18% fair, 54% good, 18% excellent. Oats 87% turning color, 97% 1996, 82% avg.; 65% harvested, 55% 1996, 41% avg. Spring wheat 80% turning color, 100% 1996, 75% avg.; 20% harvested, 38% 1996, 28% avg.; 2% very poor, 12% poor, 23% fair, 49% good, 14% excellent. Sorghum 25% headed, 41% 1996, 29% avg.; 15% fair, 70% good, 15% excellent. Summer potatoes 10% harvested, 16% 1996, 14% avg.; 5% poor, 12% fair, 45% good, 38% excellent. Dry onion 6% harvested, 9% 1996, 8% avg.; 7% fair, 53% good, 40% excellent. Sugarbeets 2% very poor, 4% poor, 9% fair, 55% good, 30% excellent. Dry beans 83% flowered, 97% 1996, 76% avg.; 1% very poor, 6% poor, 16% fair, 51% good, 26% excellent. Alfalfa 80% 2nd cutting, 85% 1996, 70% avg.; 12% 3rd cutting, 9% 1996, 6% avg.; 3% very poor, 7% poor, 22% fair, 50% good, 18% excellent. Livestock good to fair.

DELAWARE: Days suitable for fieldwork 5.7. Topsoil 29% very short, 38% short, 33% adequate. Subsoil 15% very short, 69% short, 16% adequate. Corn 10% very poor, 20% poor, 29% fair, 40% good, 1% excellent. Field corn 83% silked, 94% 1996, 97% avg.; 25% dough, 46% 1996, 40% avg.; 8% dent, 17% 1996, 13% avg. Tomatoes 42% harvested, 44% 1996, 42% avg. Soybeans 1% very poor, 19% poor, 37% fair, 42% good, 1% excellent; 46% bloomed, 47% 1996, 58% avg.; 27% setting pods, 20% 1996, 19% avg. Sorghum 2% very poor, 5% poor, 36% fair, 57% good; 31% headed, 85% 1996, 53% avg. Cucumbers 78% harvested, 67% 1996, 68% avg. Snap beans 45% harvested, 38% 1996, 68% avg. Lima beans 15% harvested, 24% 1996, 22% avg. Sweet corn 62% harvested, 56% 1996, 64% avg. Potatoes 75% harvested, 61% 1996, 55% avg. Apples 6% poor, 18% fair, 74% good, 2% excellent; 25% harvested, 13% 1996, 10% avg. Cantaloupes 59% harvested, 59% 1996, 59% avg. Watermelons 41% harvested, 49% 1996, 41% avg. Peaches 5% poor, 25% fair, 69% good, 1% excellent; 56% harvested, 56% 1996, 51% avg. Hay supplies 6% very short, 37% short, 57% adequate. Clover and other hays 96% 2nd cutting harvested, 91% 1996, 93% avg.; 30% 3rd cutting harvested, 39% 1996, 28% avg. Alfalfa 56% 3rd cutting harvested, 42% 1996, 55% avg.; 3% 4th cutting, 11% 1996, 3% avg. Pastures 16% very poor, 51% poor, 22% fair, 11% good. Activities: Scattered rains helped some areas, but the dry weather continues to slow crop development, helped to increase pest population. Mites are a continuing problem on the soybean crop.

FLORIDA: Topsoil is adequate to surplus throughout the State. One hundred percent of the peanut plants have pegged. Sugarcane growth was normal. Tobacco marketing was active. Tobacco harvesting was starting to wind down. Haying was active when rains would allow. Cotton and soybean crops showed very good growth. The peanut crop condition was poor 1%, fair 4%,

good 70%, and excellent 25%. Planting of tomatoes, eggplant, and cherry tomatoes was underway in Palmetto-Ruskin. Wet soils were in the Palmetto-Ruskin region and the southwest, delaying the laying of plastic for planting fall vegetables. Frequent rainfall was slowing the application of lime, dolomite, and other minerals in the southwest. Tomatoes around Quincy were over 90% planted. Heavy rain was in all citrus areas, causing some moisture surplus, lots of new foliage, and water retention ponds to refill with abundant rain. New crop fruit was making good progress. Some increased droppage was caused from saturated soils. Caretakers were cutting cover crops, spraying, fertilizing, and replanting older groves. Excellent moisture and crop-growing temperatures improved range and pasture condition to 40% excellent. However, some southwestern pastures in low-lying areas had standing water. Pasture feed was fair 15%, good 45%, excellent 40%. Cattle fair 15%, good 55%, and excellent 30%.

GEORGIA: Days suitable for fieldwork 6.0. Soil moisture 2% very short, 21% short, 73% adequate, 4% surplus. Corn 92% dent, 87% 1996, 94% avg.; 74% mature, 65% 1996, 77% avg.; 10% harvested for Grain, 9% 1996, 12% avg. Cotton 100% squaring, 100% 1996, 100% avg. Hay 1% very poor, 2% poor, 24% fair, 67% good, 6% excellent. Sorghum 3% poor, 25% fair, 70% good, 2% excellent. Tobacco 4% poor, 41% fair, 54% good, 1% excellent; 78% harvested, 62% 1996, 71% avg. Watermelons 3% very poor, 3% poor, 25% fair, 67% good, 2% excellent; 93% harvested, 95% 1996, 96% avg. Apples 1% very poor, 4% poor, 12% fair, 79% good, 4% excellent; 7% harvested, 3% 1996, 8% avg. Peaches 99% harvested, 97% 1996, 97% avg. Pecans 1% very poor, 7% poor, 28% fair, 58% good, 6% excellent. Generally, crops are fair to good. Activities: Spraying for worms in cotton, spraying fungicides on peanuts, harvesting hay, harvesting corn silage, scouting cotton, applying insecticides to soybeans, planting fall vegetables.

HAWAII: Improved weather conditions variable effect on agriculture. Mostly sunny days and unseasonably high temperatures at week's end forced heavy irrigation. Cooler-weather vegetable crops made fair progress. Other vegetable made mostly good progress. Orchard crops made good progress. Spraying heavy to control insect populations. Banana up seasonally, orchards good. Papaya production higher some areas, good to fair, some poor. Head cabbage harvesting meet market demand. Cucumber production steady, increase at mid-month. Watermelon harvesting active, output to build toward Labor day.

IDAHO: Days suitable for fieldwork 5.6. Topsoil 5% surplus, 78% adequate, 13% short, 4% very short. Spring wheat turning color 91%, 89% 1996, 78% avg. Barley turning color 86%, 86% 1996, 77% avg. Winter wheat turning color 95%, 99% 1996, 96% avg. Potatoes closing middles 97%, 99% 1996, 94% avg.; turning (vines senescent) 15%, 11% 1996, 19% avg.; vines dead or dying 1%, 1% 1996, 5% avg. Potato 17% excellent, 65% good, 16% fair, 2% poor. Alfalfa Hay harvested 2nd cutting 73%, 71% 1996, 68% avg.; 3rd cutting 10%, 10% 1996, 7% avg. Oats harvested for grain 17%, 9% 1996, 25% avg. Dry Peas harvested 26%, 15% 1996, 38% avg. Lentils harvested 3%, 3% 1996, 26% avg. Peaches harvested 43%, 26% 1996, 42% avg. Dry Beans harvested 0%, 1% 1996, 3% avg. Hops harvested 0%, 0% 1996, 1% avg. Prunes, Plums harvested 2%, 10% 1996, 6% avg. Mint harvested 43%, 67% 1996, 74% avg. Sweet Corn harvested 4%, 9% 1996, 3% avg. Irrigation Water Supply 51% excellent, 46% good, 3% fair. Activities: Inspecting, spraying potatoes for late blight, preparing machinery for grain, potato, sugarbeet harvest, trying to harvesting hay, barley, winter, spring wheat, weed control, irrigating.

ILLINOIS: Days suitable for fieldwork 6.5. Topsoil 41% very short, 47% short, 12% adequate. Isolated pockets of rain fell in some areas north and west. As pastures continue to dry, farmers kept on feeding a short hay crop to their livestock. Lack of rain has dried wells, as farmers were hauling water. Lack of moisture has hampered kernel formation. Beans continued setting pods, but moisture is needed for filling. Oat harvest has progressed to near completion. Insects persisted in many fields, especially spider mites in soybean fields. Concerns were felt as insecticides were applied in such dry conditions. Other farming activities last week included baling hay and straw, scouting, spraying for spider mites, leafhoppers, attending county fairs. Corn dented 3%, 3% 1996, 9% avg. Oats ripe 99%, 91% 1996, 97% avg.; harvested 97%, 72% 1996, 82% avg. Alfalfa hay 2nd cutting 98%, 90% 1996, 93% avg.; 3rd cutting 24%, 22% 1996, 27% avg. Alfalfa hay 7% very poor, 20% poor, 43% fair, 28% good, 2% excellent.

INDIANA: Days suitable for fieldwork 6.9. Topsoil 41% very short, 41% short, 17% adequate, 1% surplus. Subsoil 31% very short, 41% short, 27% adequate, 1% surplus. Crop conditions continue to decline as dry weather persists. The southern region as well as the west central and east central districts have been the hardest hit. Range, pasture 14% very poor, 36% poor, 36% fair, 13% good, 1% excellent. Alfalfa 2nd cutting 89% complete. Third cutting of alfalfa 20% complete. Activities: Baling hay, straw, machinery maintenance, caring for livestock.

IOWA: Days suitable for fieldwork 6.9. Topsoil very short 28%, short 37%, adequate 34%, surplus 1%. Subsoil very short 15%, short 40%, adequate 44%, surplus 1%. Topsoil moisture rating is the driest since July 3, 1992. Hardest hit seemed to be the hay crop and pastures. Corn, soybeans continue to progress despite signs of stress due to dry conditions. Oat, spring wheat harvests are virtually complete. Corn silked 99%, 91% 1996, 88% avg.; milk stage 60%, 28% 1996, 43% avg.; dough stage 13%, 3% 1996, 13% avg. Soybean acreage blooming 98%, 91% 1996, 91% avg.; setting pods 79%, 60% 1996, 66% avg. Alfalfa hay 2nd harvest 95% complete, 86% 1996, 83% avg.; clover hay 2nd harvest 77%, 53% 1996, 54% avg. Oats harvested 97%, 90% 1996, 89% avg. Winter wheat harvested 95%, 99% 1996, 93% avg. Corn 2% very poor, 7% poor, 23% fair, 52% good, 16% excellent. Soybean 1% very poor, 8% poor, 25% fair, 50% good, 16% excellent. Hay 10% very poor, 25% poor, 31% fair, 30% good, 4% excellent. Livestock good. Pinkeye is reported in southwest, south central cattle. Pasture conditions lowest since July 3, 1992, 22% very poor, 29% poor, 26% fair, 21% good, 2% excellent.

KANSAS: Days suitable for fieldwork 4.5. Topsoil 8% very short, 31% short, 49% adequate, 12% surplus. Subsoil 6% very short, 31% short, 61% adequate, 2% surplus. Corn in dent stage 20%, 28% 1996, 14% avg.; mature 4%, 1% 1996, 3% avg. Sunflowers 4% very poor, 9% poor, 30% fair, 50% good, 7% excellent. Sunflowers begin to petal 65%, no historic data available; bloom 35%, no historic data. Third cut alfalfa 75%, 78% 1996, 63% avg. Fourth cut alfalfa 15%, 9% 1996, 5% avg. Stock water supplies 3% very short, 13% short, 82% adequate, 2% surplus. Major field activities: Working wheat stubble, irrigating, cutting hay.

KENTUCKY: Days suitable for fieldwork 5.9. Dry conditions remain in some areas despite showers. Topsoil 52% very short, 36% short, 11% adequate, 1% surplus. Subsoil 34% very short, 47% short, 19% adequate. Burley tobacco blooming or beyond 48%, 46% 1996, 52% 5 yr avg. Burley tobacco topped 33%, 42% 1996, 54% avg. Tobacco 22% very poor, 24% poor, 37% fair, 15% good, 2% excellent. Hay 19% very poor, 28% poor, 33% fair, 18% good, 2% excellent. Pasture 15% very poor, 35% poor, 37% fair, 13% good. Corn, soybeans continue to suffer due to lack of moisture, weekend rain brought much needed relief.

LOUISIANA: Days suitable for fieldwork 5.5. Soil moisture 10% very short, 27% short, 53% adequate, 10% surplus. Corn 1% poor, 15% fair, 80% good, 4% excellent; 98% mature, 83% 1996, 84% avg.; 18% harvested, 20% 1996, 17% avg. Cotton irrigation was active in drier areas. Hay 100% 1st cutting, 100% 1996, 100% avg.; 75% 2nd cutting, 65% 1996, 46% avg. Peaches 99% harvested, 100% 1996, 91% avg. A few growers harvested the last of the their crop. Rice 30% ripe, 40% 1996, 40% avg. Rice harvest was slowed a bit by rain. Sorghum 7% ripe, 50% 1996, 30% avg.; 0% harvested, 8% 1996, 4% avg. Soybeans 6% turning color, 5% 1996, 2% avg. Growers checked for insects, mostly stinkbugs and loopers, and treated fields where necessary. Sugarcane 1% poor, 19% fair, 52% good, 28% excellent; 1% planted, 0% 1996, 1% avg.

Planting has begun on a small scale in the southern most parishes. Sugarcane borer control was active. Sweet Potatoes 7% poor, 36% fair, 54% good, 3% excellent; 5% harvested, 4% 1996, 6% avg. Harvest was delayed in localized areas because of adverse weather. Livestock 4% poor, 26% fair, 61% good, 9% excellent. Vegetables 3% very poor, 18% poor, 44% fair, 32% good, 3% excellent.

MARYLAND: Days suitable for fieldwork 6.7. Topsoil 46% very short, 32% short, 22% adequate. Subsoil 48% very short, 25% short, 27% adequate. Corn 37% very poor, 25% poor, 20% fair, 16% good, 2% excellent. Field Corn 78% silked, 85% 1996, 90% avg.; 23% dough, 41% 1996, 42% avg.; 6% dent, 10% 1996, 13% avg. Soybeans 26% very poor, 20% poor, 21% fair, 27% good, 6% excellent; 55% bloomed, 60% 1996, 62% avg.; 32% setting pods, 27% 1996, 29% avg. Sorghum 73% very poor, 1% poor, 1% fair, 24% good, 1% excellent; 35% headed, 31% 1996, 60% avg. Sweet corn 62% harvested, 52% 1996, 61% avg. Cucumbers 60% harvested, 82% 1996, 67% avg. Potatoes 70% harvested, 93% 1996, 75% avg. Snap beans 49% harvested, 64% 1996, 67% avg. Tobacco 3% poor, 10% fair, 80% good, 7% excellent; 66% bloomed, 87% 1996, 75% avg.; 35% topped, 58% 1996, 46% avg.; 8% harvested, 15% 1996, 11% avg. Apples 1% very poor, 5% poor, 31% fair, 58% good, 5% excellent; 6% harvested, 4% 1996, 4% avg. Cantaloupes 73% harvested, 63% 1996, 63% avg. Peaches 4% very poor, 9% poor, 43% fair, 36% good, 8% excellent; 35% harvested, 61% 1996, 51% avg. Watermelons 40% harvested, 42% 1996, 52% avg. Tomatoes 58% harvested, 50% 1996, 51% avg. Hay supplies 16% very short, 44% short, 40% adequate. Alfalfa hay 68% 3rd cutting, 44% 1996, 59% avg. Clover, other hays 85% 2nd cutting, 74% 1996, 78% avg.; 15% 3rd cutting, 26% 1996, 22% avg. Activities: Scattered rainfall, but more rain is needed for all crops as the drought continues.

MICHIGAN: Days suitable for fieldwork 6.5. The State's soils still dry. Some field crops were beginning to show stress. Topsoil 38% very short, 30% short, 32% adequate, 0% surplus. Subsoil 32% very short, 44% short, 24% adequate, 0% surplus. All hay, 2nd cutting harvested 85% 1997, 78% 1996, 72% avg. Corn, milk 17% 1997, 14% 1996, 23% avg. All hay crop 9% very poor, 24% poor, 32% fair, 26% good, 9% excellent. Dry beans blooming 93% 1997, 53% 1996, 77% avg. Dry beans setting pods 77% 1997, 13% 1996, 41% avg. Oats turning yellow 97% 1997, 84% 1996, 91% avg. Pasture feed 13% very poor, 27% poor, 36% fair, 22% good, 2% excellent.

MINNESOTA: Days suitable for fieldwork 5.1. Topsoil 1% very short, 8% short, 82% adequate, 9% surplus. Corn 99% tasseled, 94% 1996, 88% 5 yr. avg.; 41% milk, 24% 1996, 36% 5 yr. avg. Soybeans 99% blooming, 93% 1996, 90% 5 yr. avg.; 64% setting pods, 49% 1996, 59% 5 yr. avg. Spring wheat 89% turning ripe, 61% 1996, 80% 5 yr. avg.; 13% harvested, 30% 1996, 18% 5 yr. avg. Oats 97% turning ripe, 90% 1996, 94% 5 yr. avg.; 37% harvested, 50% 1996, 39% 5 yr. avg. Barley 88% turning ripe, 63% 1996, 83% 5 yr. avg.; 9% harvested, 18% 1996, 16% 5 yr. avg. Rye 58% harvested, 77% 1996, 58% 5 yr. avg. Winter wheat 65% harvested, 51% 1996, 46% 5 yr. avg. Sweet corn 12% harvested, 11% 1996, 13% 5 yr. avg. Pasture 1% very poor, 10% poor, 34% fair, 49% good, 6% excellent. Spring wheat 3% very poor, 20% poor, 37% fair, 37% good, 3% excellent. Barley 4% very poor, 14% poor, 43% fair, 35% good, 4% excellent. Corn 0% very poor, 3% poor, 18% fair, 53% good, 26% excellent. Oats 2% very poor, 11% poor, 33% fair, 49% good, 5% excellent. Soybeans 1% very poor, 7% poor, 26% fair, 54% good, 12% excellent. Dry Beans 3% very poor, 10% poor, 29%fair, 44% good, 14% excellent. Sunflowers 6% very poor, 9% poor, 32% fair, 49% good, 4% excellent. Sugarbeets 3% very poor, 5% poor, 21% fair, 56% good, 15% excellent.

MISSISSIPPI: Days suitable for fieldwork 2.5. Soil moisture 5% very short, 10% short, 46% adequate, 39% surplus. Corn 95% dough, 98% 1996, 95% avg.; 85% dent, 84% 1996, 74% avg.; 36% mature, 38% 1996, 34% avg.; 10% grain harvested, NA 1996, NA avg.; 47% silage harvested, 64% 1996, 45% avg.; 1% very poor, 3% poor, 22% fair, 64% good, 10% excellent. Soybeans 81% blooming, 93% 1996, 84% avg.; 71% setting pods, 78% 1996, 59% avg.; 8% turning color, 11% 1996, 5% avg.; 4% poor, 21% fair, 58% good, 17% excellent. Peaches 82% harvested, 92% 1996, 93% avg.; 2% very poor, 1% poor, 20% fair, 59% good, 18% excellent. Peanuts, 1% fair, 99% good. Sweetpotatoes 1% fair, 99% good. Watermelons 86% harvested, 87% 1996, 85% avg.; 11% very poor, 12% poor, 25% fair, 46% good, 6% excellent. Hay 72% harvested (warm season), 77% 1996, NA avg.; 2% very poor, 6% poor, 33% fair, 49% good, 10% excellent. Cattle 5% poor, 21% fair, 57% good, 17% excellent. Pasture 5% poor, 23% fair, 60% good, 12% excellent. Main activities: Spraying for insects, weed control, harvesting hay. Some farm activities were halted by much needed rain.

MISSOURI: Days suitable for fieldwork 6.6. Topsoil 42% very short, 45% short, 13% adequate, 0% surplus. All districts report significant topsoil moisture shortages. Moderate temperatures helped to minimize the effects of the State-wide moisture shortage, but row crop, pasture conditions are continuing to show some further decline. Corn development is ahead of normal, advanced in the Bootheel, 83% dent stage. Soybean, sorghum development are ahead of last year, normal for this date. Third crop alfalfa 47%, 35% 1996, 32% avg. Pastures 16% very poor, 36% poor, 36% fair, 12% good, 0% excellent.

MONTANA: Days suitable for fieldwork 6.4. Topsoil 9% very short, 41% short, 49% adequate, 1% surplus. Subsoil 9% very short, 38% short, 52% adequate, 1% surplus. Corn harvest for silage has started in a few areas. Winter wheat 87% ripe, 87% 1996, 63% avg. Saw fly, grasshoppers continuing to be a problem to small grain producers. Oats 86% turning, 89% 1996, 74% avg. Oats harvested 5%, 5% 1996, 6% avg. Oats 1% very poor, 7% poor, 33% fair, 50% good, 9% excellent. Alfalfa hay 1st cutting 100% complete, 100% 1996, 96% avg, 2nd cutting 31% complete, 46% 1996, 32% avg. Other hay 1st cutting 89% complete, 89% 1996, 81% avg.

NEBRASKA: Days suitable for fieldwork 6.0. Subsoil 21% very short, 41% short, 37% adequate, 1% surplus. Topsoil 29% very short, 41% short, 29% adequate, 1% surplus. Dryland crops under stress due to dry condition. Irrigation systems operating nearly non-stop. Corn 3% very poor, 9% poor, 27% fair, 48% good, 13% excellent; irrigation corn 76% good to excellent; dryland corn 29% good to excellent; 37% in dough, 20% 1996, 28% avg. Soybean 1% very poor, 8% poor, 37% fair, 47% good, 7% excellent; 67% setting pods, 49% 1996, 51% avg. Sorghum 6% very poor, 13% poor, 33% fair, 44% good, 4% excellent; 69% headed, 52% 1996, 47% avg. Dry bean 4% poor, 34% fair, 56% good, 6% excellent; 72% set pods, 82% 1996. Alfalfa 11% very poor, 24% poor, 41% fair, 22% good, 2% excellent; 20% 3rd cutting, 16% 1996, 19% avg.; slow regrowth due to dry conditions. Pasture 17% very poor, 30% poor, 34% fair, 15% good, 4% excellent. Some supplemental feeding to stretch grazing potential of pastures.

NEVADA: Afternoon showers occurred with less frequency in the north, but increased south. Some urban street flooding occurred in Las Vegas. Greatest precipitation totals for the week were recorded at Las Vegas 0.27 inch, Tonopah 0.17 inch, Lovelock 0.15 inch. Irrigation water supplies adequate in most areas. Pasture, range forage mostly good. Haying in full swing. Alfalfa 2nd cutting continued North, 3rd cutting was underway in Fallon. Other hay harvest well along. Winter wheat, barley harvests continued in full swing in Lovelock, Yerington, while spring wheat, oats, fall seeded grains were being harvested in Fallon. Smut remained evident in some barley fields, but grain crop fair to good. Garlic harvest progressed. Onion good to excellent. Potatoes good condition. Main farm, ranch activities: Combining grain, haying, garlic harvest, irrigating, spraying.

NEW ENGLAND: Days suitable for fieldwork: 6.8. Topsoil 20% very short, 57% short, 23% adequate. Subsoil 16% very short, 49% short, 35% adequate. Pasture 6% very poor, 20% poor, 58% fair, 16% good. Maine potatoes good. Massachusetts potatoes 15%

harvested, 15% 1996, 10% avg.; condition good. Rhode Island potatoes 20% harvested; good to excellent. Oats in Maine good. Barley in Maine good. Field corn good to fair. Sweet corn 30% harvested, 30% 1996, 35% avg.; good to fair. Shade tobacco 65% harvested, 70% 1996; condition good. Broadleaf tobacco 40% harvested, 55% 1996; condition good. Hay 1st cut 99% harvested, 95% 1996, 99% avg.; good to fair. Second cut hay 60% harvested, 40% 1996, 50% avg.; condition good. Cut 3rd hay 15% harvested, 5% 1996, 5% avg.; condition good. Apples fruit size avg.; good to excellent. Peaches 25% harvested; 10% 1996, fruit size avg to below avg.; condition good. Pears fruit size avg.; condition fair. Strawberries 100% harvested; 100% 1996; fruit size avg.; condition good. Cranberries fruit set avg. to above avg.; fruit size avg.; condition good. Highbush blueberries 45% harvested, 45% 1996; fruit size avg. to above avg.; excellent to good. Wild blueberries 20% harvested; 10% 1996, fruit size above avg.; excellent to good. Rain eased crop stress, but more rain is needed. Major farm activities: Irrigating where available; harvesting peas, lettuce, summer squash, green beans, tomatoes, blueberries, raspberries, early apples, peaches, tobacco, spreading manure, fertilizer on cut fields, cutting hay, spraying for weed, insect control.

NEW JERSEY: Days suitable for fieldwork 6 days. Topsoil short to adequate. Farmers are irrigating, spraying, harvesting summer items and beginning to plant some of the fall crops. Good volume of cucumbers, eggplant, green beans, peppers, squash, tomatoes, pickles, sweet corn and watermelon. Leafy greens are in light supply. Second, 3rd cutting of hay occurring. Corn, soybeans continue to suffer from the lack of rainfall and hot weather. Pasture poor to fair. Blueberry harvest near completion. The peach harvest in full swing with the mid-season varieties. Harvesting of the red haven variety is nearly complete. Early season varieties of apples are starting to be harvested.

NEW MEXICO: Days suitable for fieldwork 5.8. Topsoil 8% very short, 23% short, 67% adequate, 2% surplus. Third cutting of alfalfa advanced to 88% completed, fourth cutting 30% completed. Alfalfa rose to 1% poor, 19% fair, 70% good, 10% excellent. Cotton crop continues to show steady improvement; 8% poor, 23% fair, 49% good, 20% excellent; 99% setting bolls, 98% 1996, 89% avg.; 10% bolls open, 10% 1996, 5% avg. Sorghum 2% poor, 30% fair, 66% good, 2% excellent; 32% headed, 13% 1996, 31% avg. Onion harvest 90% complete, 87% 1996; 10% fair, 60% good, 30% excellent. Chile harvest 5% complete; 2% poor, 22% fair, 38% good, 38% excellent. Corn 2% fair, 87% good, 11% excellent; 95% tasseled, 92% 1996. Lettuce producers had 43% of the fall crop planted. Cattle, sheep good. Range, pasture feed 2% very poor, 7% poor, 31% fair, 54% good, 6% excellent.

NEW YORK: Days suitable for fieldwork 6.8. Soil moisture 41% very short, 50% short, 9% adequate. Pastures 34% very poor, 35% fair. Corn 13% poor, 58% fair, 37% good. Hay 44% poor, 56% fair. Alfalfa 2nd cutting 80% complete, 69% 1996, 73% age. Wheat harvest winding down; 95% finished, 62% 1996, 85% avg. Oats 55% harvested, 49% 1996, 42% avg. Dry bean good, fields in bloom. Early potato harvest expected soon. Vegetable crops required irrigation. Harvest underway for most crops. Yields vary by area. Hudson Valley fruit good. Jersey Mac apple harvest underway. Peach harvest continued. Grapes in Finger Lakes, Lake Erie region good.

NORTH CAROLINA: Days suitable for fieldwork 6.0. Some localized areas experienced scattered heavy rains, damaging winds, hail that destroyed blocks of acreage of some crops, while other areas remained extremely dry and in need of a good rain to improve crop conditions. However, overall crop conditions remain good as farmers enter into the early stages of the harvest season. Soil moisture 3% very short, 28% short, 66% adequate, 3% surplus. Activities: Spraying, topping, harvesting, marketing of flue-cured tobacco; spraying for blue mold, harvesting burley tobacco; preparing for the corn harvest; scouting, spraying for insects on cotton, soybeans; cutting hay; harvesting truck crops, apples, peaches; maintaining pastures; tending livestock; repairing equipment.

NORTH DAKOTA: Days suitable for fieldwork 7. Combining of small grains got underway in many areas, while crop conditions continued to deteriorate due to the appearance of head blight scab. Topsoil moisture 6% very short, 34% short, 58% adequate, 2% surplus. Subsoil moisture 4% very short, 27% short, 65% adequate, 4% surplus. Durum wheat 90% milk, beyond, 56% turning, beyond, 4% combined; 74%, 24%, 3% last year; 82%, 37%, 2% avg. Canola 53% turning, beyond, 14% swathed, beyond; 47%, 11% last year; corn for grain 98% tasseling, beyond, 78% milk, beyond; 92%, 28% last year; 85%, 31% avg.; dry edible beans 90% podding, beyond, 32% fully podded and beyond; 88%, 24% last year; 74%, 25% avg.; flaxseed 99% blooming and beyond, 45% turning and beyond; 92%, 23% last year; 92%, 22% avg.; potatoes 99% rows filled and beyond; 95% last year; 88% age.; soybeans 93% podding and beyond, 32% fully podded and beyond; 75%, 9% last year; 70%, 22% avg.; sunflower 77% blooming and beyond; 49% last year; 46% avg. Durum 9% very poor, 25% poor, 36% fair, 29% good, 1% excellent; canola 2% very poor, 13% poor, 30% fair, 45% good, 10% excellent; corn for grain 4% poor, 17% fair, 60% good, 19% excellent; corn for silage 2% very poor, 11% poor, 32% fair, 45% good, 10% excellent; dry edible beans 5% very poor, 13% poor, 31% fair, 48% good, 3% excellent; flaxseed 3% very poor, 13% poor, 31% fair, 49% good, 4% excellent; potatoes 15% very poor, 14% poor, 23% fair, 42% good, 6% excellent; soybeans 2% very poor, 12% poor, 18% fair, 37% good, 31% excellent; sugarbeets 4% very poor, 7% poor, 16% fair, 56% good, 17% excellent; sunflower 2% very poor, 7% poor, 23% fair, 56% good, 12% excellent. Pasture conditions improved and rated 7% very poor, 22% poor, 40% fair, 30% good, 1% excellent.

OHIO: Precipitation averaged 0.37 inches, 0.57 inches below norm. For the week, growing degree days averaged 126, 82% of the normal. Days suitable for fieldwork was 6.3 days. Topsoil 14% very short, 29% short, 56% adequate, 3% surplus. Corn silked 9 days ahead of last year; in dough stage over 5 days behind the avg. Soybeans blooming 3 points ahead of the avg.; setting pods 4 days ahead of the avg. Oats turning ripe 98%; harvested 5 points ahead of the avg. Alfalfa hay 91% 2nd cutting, 88% 1996, 89% avg. Alfalfa hay 14% 3rd cutting, 6% 1996, 18% avg. Other hay 70% 2nd cutting, 65% 1996, 67% avg. Other hay 6% 3rd cutting, 0% 1996, 4% avg. Tobacco 14% topped. Apples 11% harvested. Potatoes 4% harvested, 10% 1996, 15% avg. Processing tomatoes 1% harvested, 0% 1996, 5% avg. Activities: Mowing hay, ditches, winter wheat stubble, pastures; bailing hay, straw; hauling, spreading manure on wheat stubble; fall plowing, other field preparations; scouting fields; cultivating soybean fields; spraying herbicides, pesticides; tiling fields; fence, building maintenance; repairing, preparing machinery for harvest; selling grain; attending, preparing for county fairs, the State fair. Growers are harvesting tomatoes, sweet corn, peppers. In the northern part of the State, growers are harvesting peaches, cabbage, cucumbers; irrigating vegetables. Reported weed pressures: common, giant ragweed; Canadian thistles; other grass, broadleaf weeds. Reported insects: Potato leafhopper, alfalfa weevil in alfalfa. Potato leafhopper effects on crops are still a concern in Monroe County. Alfalfa hay 2nd cutting was poor due to the Potato leafhopper damage. Reported disease: gray leaf spot in corn in Champaign County. Compared to last year, most all crops are still in better condition. Hay 2% very poor, 14% poor, 35% fair, 43% good, 6% excellent. Livestock 1% poor, 21% fair, 68% good, 10% excellent.

OKLAHOMA: Days suitable for fieldwork 5.1. Topsoil 6% very short, 28% short, 63% adequate, 3% surplus. Subsoil 4% very short, 22% short, 73% adequate, 1% surplus. Wheat 90% plowed, 94% 1996, 92% avg.; 26% seedbed prepared, 21% 1996, 16% avg.; Corn 92% milk-to-soft, 96% 1996, 88% avg.; 2% mature, 14% 1996, 13% avg. Sorghum 1% mature, 17% 1996, 5% avg. Soybeans 87% flowering, 92% 1996, 68% avg.; 65% setting pods, 64% 1996, 41% avg.; 1% mature, 5% 1996, 6% avg. Peanuts 81% setting pods, 86% 1996, 68% avg.; 0% mature, 1% 1996, 0% avg. Alfalfa hay 75% 3rd cutting, 75% 1996, 81% avg.; 9% 4th cutting, 10% 1996, 14% avg. All other hay 93% 1st cutting, 92% 1996,

98% avg.; 17% 2nd cutting, 44% 1996, 77% avg. Watermelons 70% harvested, 71% 1996, n/a avg. Livestock 2% poor, 17% fair, 75% good, 6% excellent. Fed cattle prices down $1.50 per cwt.

OREGON: Days suitable for fieldwork 7.0. Topsoil 9% very short, 39% short, 52% adequate. Subsoil 6% very short, 25% short, 69% adequate. Barley harvested 45%, 34% 1996, 45% avg. Winter wheat harvested 64%, 56% 1996,68% avg. Activities: small grain harvest continued, yields look good. Haying continued. Grains started to turn in the Kalamath Basin. Grass seed harvest winding down in the Willamette Valley, fields worked for fall seeding. Nurseries irrigating, planting, digging fall orders. Large trees being balled, prepared for shipping. South coast reported yearling Easter Lily bulbs being transplanted. Greenhouses setting up for fall. Potatoes, onions, sweet corn, carrots being harvested in Northeast. Willamette Valley: harvesting sweet corn, green beans, broccoli, cauliflower, cucumbers, fall salad vegetables being planted. Blackberries, blueberries, peaches, nectarines harvest continued. Bartlett pears nearing maturity, apples sizing well. Hazelnuts look good, blanks continued to drop, spraying for walnut husk fly. Rogue River Valley: Tomatoes started ripening, fruit looks good, light hail damage reported, red pear harvest finished, Bartlett harvest started. South coast cranberry growers focusing on irrigation. North coast prunes ripening. Hood River Valley: Bartlett pear harvest started in lower valley, pre-harvest fungicide spraying, irrigation continued. Livestock good to excellent. Pastures on Westside dry but still lots of dry feed. East side high elevation rangeland continued to look excellent but lower level pastures drying out. Overall pastures for early August continued to look very favorable.

PENNSYLVANIA: Excellent week for fieldwork. Days suitable for fieldwork 6.3. Soil moisture 30% very short, 48% short, 22% adequate. Soybean 7% very poor, 16% poor, 41% fair, 35% good, 1% excellent. Oats 59% harvested, 49% 1996, 55% avg. Alfalfa 2nd cutting 85% complete, 78% 1996, 75% avg. Alfalfa 3rd cutting 35% complete, 33% 1996, 26% avg. Timothy clover 2nd cutting 50% complete, 36% 1996, 45% avg. Quality of hay made 10% poor, 40% fair, 40% good, 10% excellent. Apple harvest 10% complete, 13% 1996, 6% avg. Peach harvest 30% complete, 32% 1996, 26% avg. Activities: Harvesting small grains; making hay, haylage; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 6.2. Soil moisture 1% very short, 13% short, 81% adequate, 5% surplus. Apples 9% poor, 19% fair, 68% good, 4% excellent. Cantaloups 99% harvested, 98% 1996, 88% avg.; 29% poor, 32% fair, 32% good, 7% excellent. Corn 98% doughed, 99% 1996, 99% avg.; 61% matured, 71% 1996, 69% avg.; 11% harvested, 15% 1996, 12% avg.; 4% poor, 20% fair, 62% good, 14% excellent. Peaches 86% harvested, 91% 1996, 84% avg.; 26% poor, 37% fair, 31% good, 6% excellent. Snap Beans 96% harvested, 95% 1996, 89% avg.; 10% fair, 86% good, 4% excellent. Sorghum 2% poor, 9% fair, 53% good, 36% excellent. Soybeans 69% bloomed, 62% 1996, 59% avg.; 32% pods set, 34% 1996, 28% avg.; 6% leaves turning color; 2% poor, 13% fair, 70% good, 15% excellent. Tobacco 61% harvested, 53% 1996, 52% avg.; 19% stalks destroyed, 8% 1996, 5% avg.; 2% poor, 11% fair, 72% good, 15% excellent. Tomatoes 99% harvested, 100% 1996, 100% avg.; 1% poor, 35% fair, 59% good, 5% excellent. Watermelons 99% harvested, 98% 1996, 92% avg.; 10% poor, 43% fair, 45% good, 2% excellent.

SOUTH DAKOTA: Topsoil moisture 3% very short, 18% short, 70% adequate, 9% surplus. Subsoil moisture 2% very short, 9% short, 77% adequate, 12% surplus. Days suitable for fieldwork, 5.5. Producers were busy with harvesting of small grains, haying CRP acres. Winter wheat 98% ripe, 98% 1996, 98% avg. Spring wheat 99% turning color, 92% 1996, 96% avg.; 84% ripe, 66% 1996, 72% avg.. Winter rye 72% harvested, 65% 1996, 64% avg. Winter rye 14% poor, 42% fair, 40% good, 4% excellent. Alfalfa hay 1% very poor, 5% poor, 19% fair, 61% good, 14% excellent. Flax 59% fair, 37% good, 4% excellent. Oats 98% turning color, 95% 1996, 97% avg.; 88% ripe, 79% 1996, 83% avg.; 58% harvested, 52% 1996, 54% avg. Barley 98% turning color, 97% 1996, 97% avg.; 89% ripe, 73% 1996, 80% avg. Sunflower 2% poor, 17% fair, 60% good, 21% excellent, 60% blooming, 63% 1996, 54% avg. Flax 26% ripe, 34% 1996, 15% avg. Corn tasseled 97%, 90% 1996, 84% avg. Alfalfa hay cut twice 74%, 79% 1996, 67% avg. Other hay harvested 86%, 82% 1996, 68% avg. Livestock 1% poor, 7% fair, 69% good, 23% excellent. Stock water supplies 1% short, 91% adequate, 8% surplus.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 19% very short, 40% short, 39% adequate, 2% surplus. Subsoil 14% very short, 38% short, 48% adequate, 0% surplus. Corn 2% very poor, 10% poor, 32% fair, 46% good, 10% excellent; 80% dough, 86% 1996, 82% avg.; 40% dent, 47% 1996, 42% avg.; 3% mature, 8% 1996, 5% avg.; 5% silage harvested, 12% 1996, 10% avg. Tobacco 6% very poor, 22% poor, 39% fair, 31% good, 2% excellent; 51% topped, 66% 1996, 63% avg.; 4% Burley harvested, 6% 1996, 8% avg.; 2% Air-cured harvested, 6% 1996, 7% avg.; 4% fire-cured harvested, 9% 1996, 8% avg. Sorghum 4% poor, 37% fair, 55% good, 4% excellent; 89% headed, 74% 1996, 86% avg.; 20% coloring, 16% 1996, 21% avg. Pasture 3% very poor, 19% poor, 37% fair, 39% good, 2% excellent. Mild temperatures with scattered rainfall in many areas was a welcome sight. Weekend moisture released the extremely dry, hot conditions. Precipitation was variable throughout the State, with some areas in Southeast Tennessee receiving over 2 inches. Most of the West Tennessee counties received slow scattered showers. Cases of Black shank continue to be reported in tobacco. Moisture was received after Friday's reported conditions, keeping crop conditions from showing improvement.

TEXAS: Most areas in the State received light to moderate rain late week. The week was also highlighted by record-low temperatures in many areas. The rainfall was very beneficial in the High Plains, where many dryland fields were beginning to stress from a lack of moisture. Rainfall in many central and southern areas was beneficial to pastures, while cooler weather welcomed relief for livestock. Harvest operations moved ahead in the Blacklands, Central, Coastal Bend, and Rio Grande Valley, with only minor delays. Crops: Corn: 56% denting, compared with 78% in 1996 and the 66% avg.; 42% mature, compared with 57% in 1996 and the 50% avg.; 16% harvested, compared with 40% in 1996 and the 30% avg. Cotton: 1% harvested,compared with 6% in 1996 and the 5% avg. Grain Sorghum: Progress remained good over the Plains and north-central areas. Fields continued to head out, with early fields beginning to turn color. Rainfall was beneficial for heads to fill. Harvest continued in the central and coastal areas, where harvest was winding down in many fields. Yields were very good, with 43% mature, compared with 55% in 1996 and the 57% avg. and 29% harvested, compared with 46% in 1996 and the 46% avg. Peanuts: Progress was good in all major growing areas. The rainfall was beneficial to dryland fields. Insect and disease problems were light in all areas. Most fields were pegging. Rice: Harvest began in a few more fields, with draining activity increasing on additional fields. Early yields were fair to good. Soybeans: Irrigation remained active in the Plains, where growth and development were good. Fields were beginning to dry down as harvest neared in the Blacklands. Along the Upper Coast, dryland fields could still use additional rain. Insect activity increased in some fields. Sugarbeets: Progress continued good in most fields in the High Plains.

Commercial Vegetables: In the Rio Grande Valley, land preparations continued. In the San Antonio-Winter Garden, land preparations were increasing in many fields. In the High Plains, harvest progress was good until mid-week rains slowed progress. In the east, sweetpotato fields received some beneficial rains during the week. Other vegetable production slowed due to hot weather. Disease problems increased in some fields. In the Trans-Pecos, cantaloup harvest continued at an active pace, with good yields and quality reported. Peaches: harvest of late-season varieties continued in some areas. Pecans: Trees were shedding nuts in many areas, with recent dry conditions. Rainfall across many areas should help relieve droppage to some degree. Producers were scouting for shuckworms in many central areas.

Range and Livestock: Rainfall was beneficial to ranges and pastures. Cooler weather late in the week helped livestock. Hay supplies remained good in most areas. Livestock remained good, with minimal supplemental feeding.

UTAH: Days suitable for fieldwork 5. Topsoil 1% very short, 21% short, 68% adequate, 10% surplus. Subsoil 3% very short, 31% short, 62% adequate, 4% surplus. Pasture, range 2% very poor, 2% poor, 21% fair, 65% good, 10% excellent. Irrigation water supplies 11% short, 89% adequate. Stock water supply 3% very short, 12% short, 85% adequate. Winter wheat harvested 60%, 73% 1996, 70% avg. Spring wheat harvested 48%, 61% 1996, 52% avg. Barley harvested 44%, 72% 1996, 59% avg. Oats harvested for grain 27%, 30% 1996, 29% avg.; harvested for hay or silage 79%, 74% 1996, 83% avg. Corn height 73 inches, 69 inches 1996, 69 inches avg.; silked 73%, 69% 1996, 66% avg. Alfalfa hay 2nd cutting 83%, 90% 1996, 86% avg.; 3rd cutting 8%, 18% 1996, 14% avg. Other hay cutting 90%, 78% 1996, 83% avg. Peaches picked 33%, 16% 1996, 19% avg. Major farm, ranch activities: Hay cutting, picking fruit, harvesting small grains.

VIRGINIA: Days suitable for fieldwork 6.1. Topsoil 10% very short, 43% short, 47% adequate. Subsoil 6% very short, 52% short, 42% adequate. Corn 88% silked, 90% 1996, 88% avg.; 35% dough, 54% 1996, 51% avg.; 15% dent, 28% 1996, 27% avg.; 10% very poor, 25% poor, 33% fair, 30% good, 2% excellent. Soybeans 50% bloomed, 56% 1996, 57% avg.; 25% setting pods, 33% 1996, 30% avg.; 5% very poor, 25% poor, 35% fair, 30% good, 5% excellent. Cotton 5% very poor, 6% poor, 30% fair, 57% good, 2% excellent. Summer apples 6% harvested, 23% 1996, 26% avg.; 5% very poor, 10% poor, 15% fair, 55% good, 15% excellent. Peaches 38% harvested, 52% 1996, 52% avg. Flue tobacco 12% harvested, 21% 1996, 21% avg.; 4% very poor, 8% poor, 23% fair, 40% good, 25% excellent. Burley tobacco 10% poor, 30% fair, 45% good, 15% excellent. Dark fire cured tobacco 10% poor, 37% fair, 50% good, 3% excellent. Sun cured tobacco 50% fair, 50% good. Peanuts 25% fair, 65% good, 10% excellent. Summer potatoes harvested 99%, 95% 1996, 95% avg. Pasture 5% very poor, 19% poor, 50% fair, 25% good, 1% excellent. Alfalfa 14% poor, 48% fair, 35% good, 3% excellent. Other Hay 5% very poor, 25% poor, 48% fair, 20% good, 2% excellent. Moisture supply levels rapidly depleting as temperatures reached normal high levels without significant rainfall by the end of the week. These weather conditions favorable in reducing the risk of blue mold development in the burley tobacco growing localities in the State. The flue tobacco market opened this week with prices down a little on old crop tobacco compared with last year's opening prices. Spider mites continue to be a problem in some soybean fields. Some producers are concerned with late crop soybeans as they are progressing slow due to the previous extended dry period. Some localities are concerned about getting a 2nd cutting of hay after a late 1st cutting. Initial 3rd cuttings of alfalfa is underway with reduced yields. Potato harvest is virtually complete yielding a good quality crop. Other activities: Vegetable harvesting, topping, harvesting tobacco, marketing livestock.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 40% short, 60% adequate; subsoil 30% short, 70% adequate. Winter wheat 42% harvested, 40% 1996, 59% avg. Wheat harvest progressed well under sunny, warm conditions. Very good wheat, barley yields were reported, some lower rainfall areas, in eastern Washington, continued to report near record levels. Corn 100% good. Potatoes, 9% fair, 82% good, 9% excellent. Potatoes 9% harvested, 16% 1996, 12% avg. Hay, other roughage supplies, 10% short, 75% adequate, 15% surplus. Second cutting of alfalfa neared completion, whereas the 2nd cutting of timothy hay remained two to three weeks away. Range pasture, 7% very poor, 10% poor, 18% fair, 60% good, 5% excellent. Grazing land began to show the effects of the hot, dry conditions, with some pastures drying down and turning brown. Central Washington reported that the hot weather has done little damage to fruit with growers irrigating at full capacity to maintain crops. Warm weather advanced maturity and some early apple harvest was expected to start over the next couple of weeks. Bartlett pear harvest began, peach harvest progressed well, blueberry harvest continued. Tomatoes suffered from late blight in western Washington, potato vines were removed to prevent the spread of disease. Truck farmers reported excellent sales of early produce.

WEST VIRGINIA: Days suitable for fieldwork 5.3. Topsoil 6% very short, 27% short, 67% adequate. Corn 5% very poor, 19% poor, 37% fair, 38% good, 1% excellent; 78% silking, 66% 1996, 79% avg.; 14% dough stage, 32% 1996, 38% avg.; 1% dent stage, 3% 1996. Hay 5% very poor, 13% poor, 26% fair, 54% good, 2% excellent; 2nd cutting 47%, 44% 1996, 48% avg.; 3rd cutting 5%, 6% 1996, 19% avg. Oats 16% poor, 52% fair, 32% good; 51% harvested, 61% 1996, 71% avg. Soybeans 9% poor, 50% fair, 41% good; 93% blooming, 65% 1996, 72% avg.; 60% setting pods, 23% 1996. Tobacco 9% poor, 46% fair, 45% good; 53% topped, 50% 1996, 57% avg. Apple 60% fair, 32% good, 8% excellent. Peach 16% poor, 84% fair. Cattle 1% poor, 30% fair, 63% good, 6% excellent. Sheep 1% poor, 29% fair, 66% good, 4% excellent. Activities: Making hay, harvesting oats, topping tobacco.

WISCONSIN: Days suitable for fieldwork 6.2. Soil moisture 9% very short, 21% short, 67% adequate, 3% surplus. Soil moisture levels across the state showed a need for rain. Despite the lack of moisture, soybeans 1% poor, 10% fair, 53% good, 36% excellent. An Iowa County reporter noted that soybeans were setting three to four beans per pod. Bloomed 90%, compared to 55% last year. Setting pods 55%, ahead of last year's 21%. Hay 2nd crop 85% finished, compared to 69% in 1996. Third crop hay 6% harvested. Leafhoppers continued to be a problem in many areas according to reporters. Wheat yields very good. Winter wheat 70% harvested, compared to 49% last year, 5-yr. avg. 60%. Pasture feed 2% very poor, 7% poor, 24% fair, 56% good, 11% excellent.

WYOMING: Days suitable for fieldwork 4.1. Topsoil supplies 8% short, 90% adequate, 2% surplus. Winter wheat 76% harvested, 87% 1996, 70% avg. Barley 68% mature, 67% 1996, 66% avg.; 31% harvested, 26% 1996, 30% avg. Oats 51% mature, 45% 1996, 41% avg.; 21% harvested, 16% 1996, 17% avg. Spring wheat 50% mature, 43% 1996, 43% avg.; 17% harvested, 18% 1996, 19% avg. Corn 97% tasseled, 99% 1996, 80% avg.; 91% silked, 92% 1996, 54% avg.; 67% milk, 47% 1996, 30% avg.; 7% dough, 0% 1996, 3% avg. Dry beans 77% setting pods, 88% 1996, 71% avg.; 0% leaves turning color, 7% 1996, 7% avg. Alfalfa 31%, 2nd cutting complete, 38% 1996, 33% avg. Other hay harvested 71% complete, 77% 1996, 74% avg. Stock water supplies 2% short, 90% adequate, 8% surplus. Range and pasture 1% poor, 14% fair, 65% good, 20% excellent. Livestock good.

International Weather and Crop Summary

August 3 - 9, 1997

HIGHLIGHTS

FSU-WESTERN: Weather conditions for harvesting remained mixed throughout the region.

FSU-NEW LANDS: Heavy rains caused localized flooding and crop lodging in the west, while a brief spell of hot weather in the east hastened maturity in spring grains.

EUROPE: Diminishing rainfall in northeastern Europe allowed flood waters to recede, while another week of heavy rains in Romania likely caused widespread flooding.

CANADA: Late-week showers broke a stressful Prairie heat wave.

SOUTHEAST ASIA: Showers benefited south-central Thailand, but isolated showers brought little relief to rainfed second-season crops across Java.

SOUTH ASIA: Primary soybean and rice areas remained too wet, but drier weather returned to the southern interior.

AUSTRALIA: Soaking rain brought much-needed relief to the southeastern grain belt.

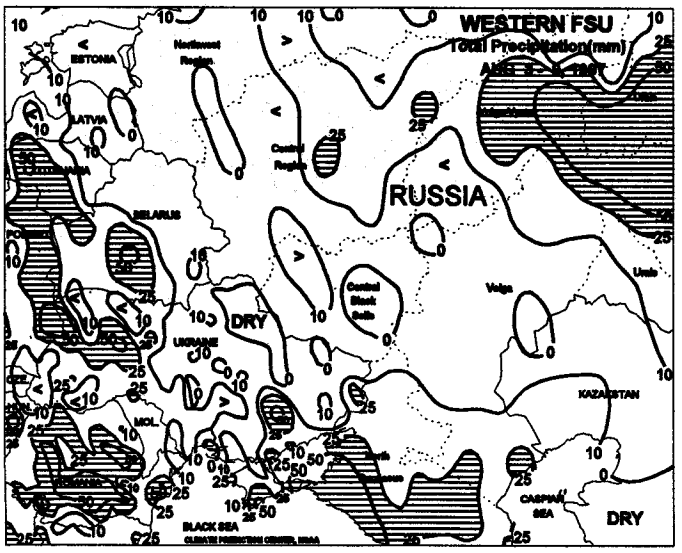
EASTERN ASIA: Showers brought only partial relief to summer crops across the North China Plain.

SOUTH AMERICA: In Argentina, dry weather continued to favor winter wheat planting in Buenos Aires. However, excessive dryness slowed planting in Santa Fe.

MEXICO: Light rain failed to increase soil moisture for reproductive corn across the western corn belt.

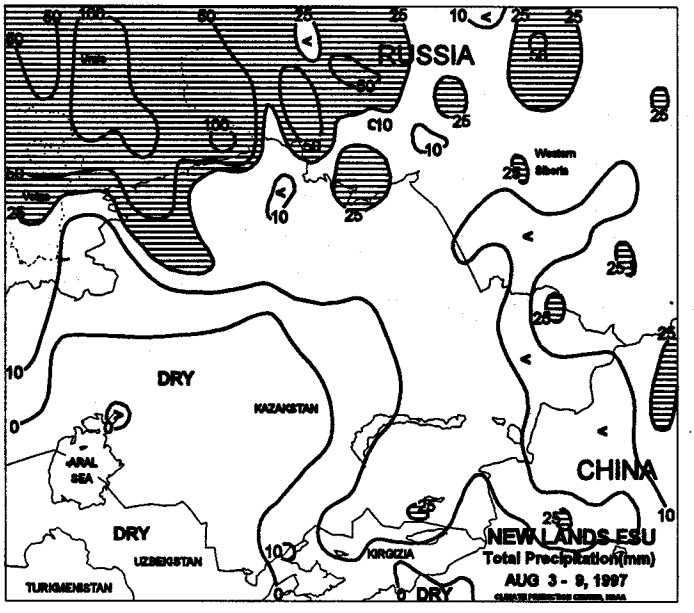
FSU-WESTERN

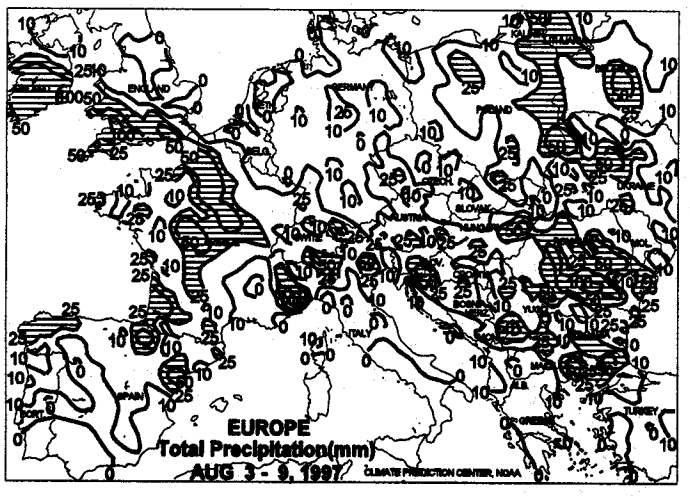
Weather conditions remained mixed for harvest activities throughout the region. In Ukraine, wet weather (10-40 mm, with scattered amounts in excess of 50 mm) continued in the west and south, causing further delays in winter wheat harvesting. However, mostly dry weather in the north and east favored harvest activities. Reports as of August 7 indicated that 60 percent of small grains and pulses were harvested in Ukraine. In Russia, dry weather in central and northern areas (middle and lower Volga Valley, Northwest Region, and southern areas in the Central and Volga Vyatsk regions) favored winter and spring grain harvesting. However, heavy rain (25-75 mm) continued in the North Caucasus region. Reports as of August 4 indicated about 18 percent of small grains and pulses were harvested in Russia, compared with 26 percent last year. Elsewhere, showers (10-25 mm, with local amounts in excess of 25 mm) in southern Belarus and Lithuania slowed harvest activities, while generally dry weather in northern Belarus, Latvia, and Lithuania helped harvesting. Weekly temperatures averaged 1 to 3 degrees C above normal in western areas and 1 to 3 degrees C below normal in the east.



FSU-NEW LANDS

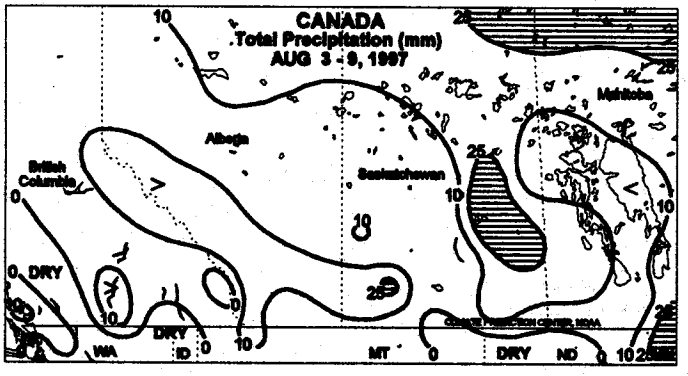
In Russia, heavy rain (50 - 100 mm, with locally heavier amounts in excess of 100 mm) was widespread over spring grain areas in the Urals and adjacent areas in Western Siberia, likely causing some flooding and crop lodging. Spring grain areas farther east in Western and Eastern Siberia received light showers (10-25 mm), benefiting crops in the filling stage. In Kazakstan, light showers (10-25 mm) favored immature spring grains. A brief spell of hot weather occurred in the eastern half of Kazakstan and adjacent areas in Russia (Altay Kray region in Western Siberia) from August 6-8. Highest temperatures ranged from 33 to 38 degrees C in these areas, hastening maturity in spring grains. Weekly temperatures averaged 2 to 4 degrees C above normal in most areas, promoting crop development. The exception was the northern Urals, where weekly temperatures averaged 1 to 3 degrees below normal.





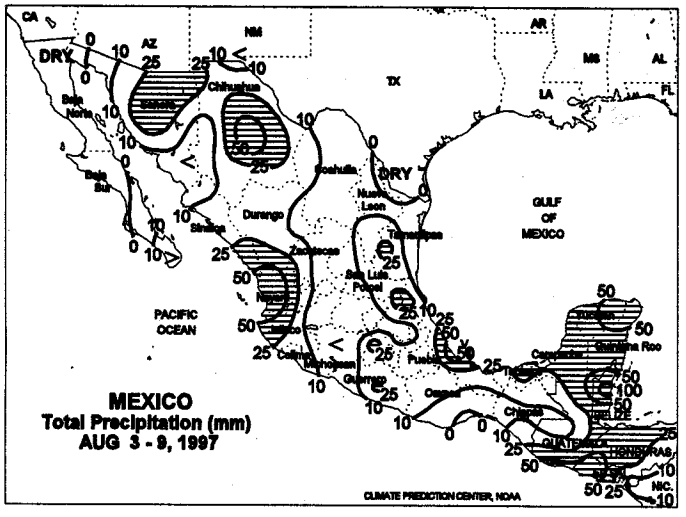
EUROPE

A showery weather pattern prevailed over France, hampering winter wheat harvesting but benefiting summer crops. Greatest amounts of rain (25-50 mm) fell in north-central France, with lesser amounts of precipitation (10-25 mm) falling over the remainder of the country. In England, wet weather slowed harvesting in southern crop areas. Mostly dry weather stretched from northern and eastern England, eastward through the Benelux countries into Germany, aiding winter grain harvesting. Elsewhere, rainfall diminished in northeastern Europe (southwestern Poland, Czech Republic, Slovakia, and Hungary), allowing floodwaters to recede. In contrast, another week of heavy rains occurred in southeastern Europe. Greatest amounts of rain (50 to over 100 mm) in Romania caused widespread flooding and crop lodging. Lesser amounts of rain (10-50 mm) fell in Bulgaria and southeastern former Yugoslavia, keeping soils unfavorably wet for winter grain harvesting. Weekly temperatures averaged 1 to 4 degrees C above normal over most of Europe, except in the southeast, where temperatures averaged 1 to 3 degrees C below normal.



CANADA

Hot, dry weather covered the Prairies for much of the week, stressing reproductive to filling grains and oilseeds. Highs reached the mid-30's C at many locations. However, a late-week frontal passage brought cooler weather (lows below 10 C) and refreshing showers (10-25 mm or more in most areas), ending the stressful period. In the east, generally cool, dry weather covered crop areas of Ontario and Quebec. While initially beneficial, the drying trend has left parts of Ontario too dry for normal corn growth.

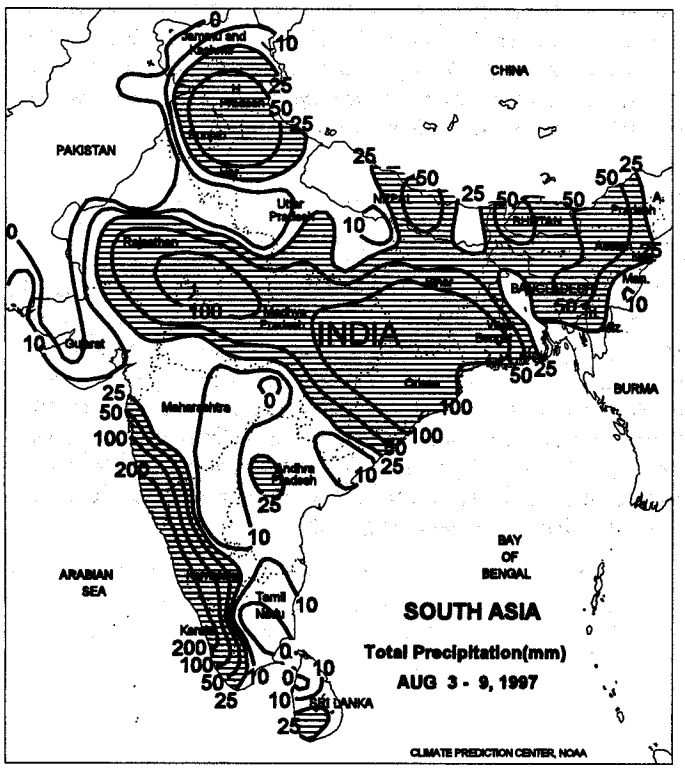


MEXICO

Light showers (3-15 mm) failed to increase soil moisture for reproductive corn across the central and western corn belt. Temperatures averaged 2 to 3 degrees C above normal, increasing stress on corn. Heavier showers (10-35 mm) maintained adequate moisture levels in the eastern corn belt. The drought continued across northeastern Mexico, lowering reservoir levels. An active monsoon brought moderate showers (10-50 mm) to northwestern Mexico, favoring pastures and increasing reservoir supplies.

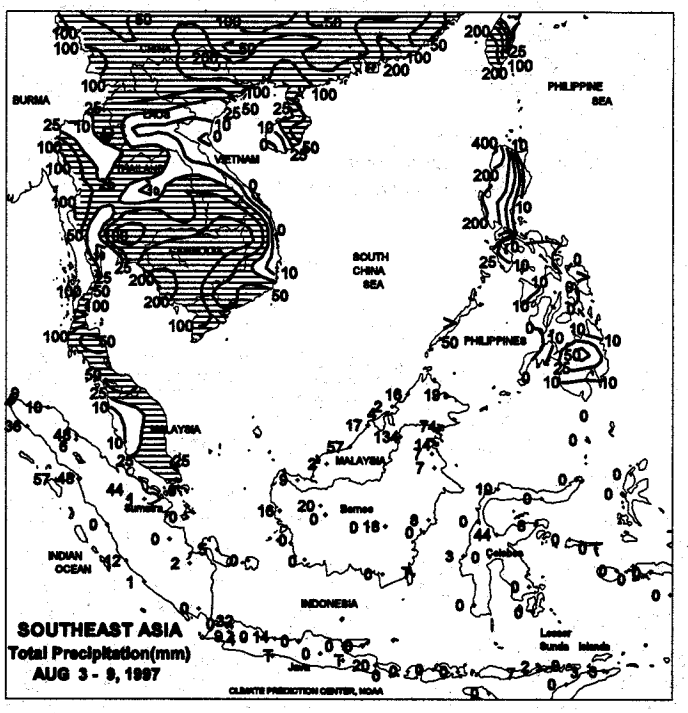
SOUTH ASIA

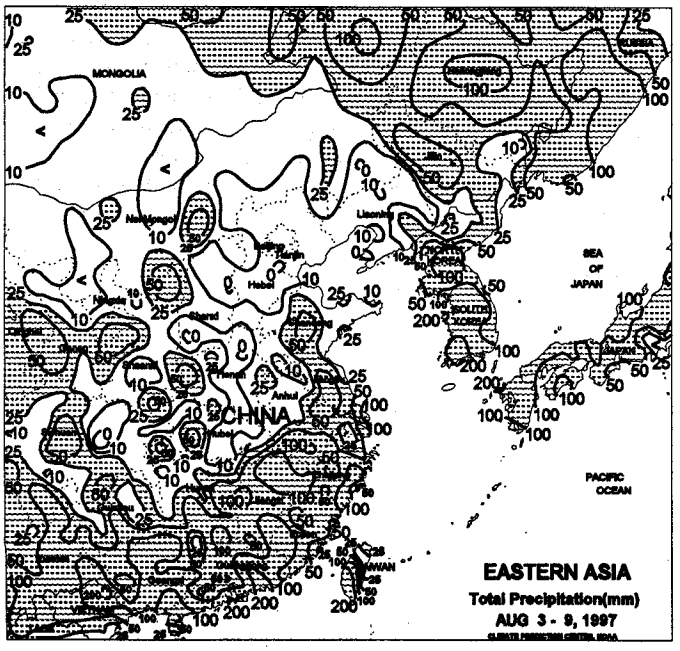
Heavy rain (50-100 mm or more) covered a stretch of central India from Rajasthan eastward to Bangladesh. Soybeans and rice are well watered but need sunnier skies for normal development. Rainfall tapered off in groundnut, coarse grain, and sugarcane areas of west-central India, as light to moderate rain (10-29 mm) covered a broad area of India's southern interior. Monsoon showers continued to be widely scattered across northern India and Pakistan. The region's grain, oilseed, and cotton are approaching, or advancing through, reproductive phases of development. Crops in the south generally require increased rainfall to sustain yield potentials, while central and eastern crops need drier weather to avert yield declines and prevent disease and quality losses. The monsoon typically recedes from northern crop areas in mid-September.



SOUTHEAST ASIA

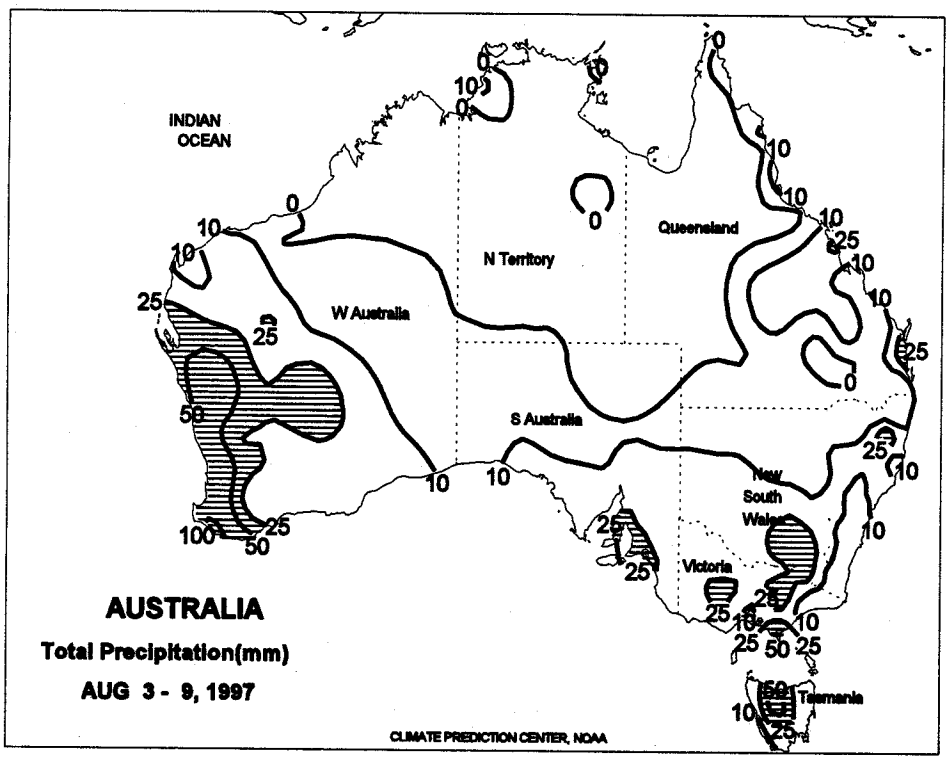
Showers (10-60 mm, with isolated amounts greater than 100 mm) benefited main-season crops across Thailand, especially across the south-central areas. Somewhat drier weather (10-30 mm) prevailed across northern Vietnam, where moisture supplies are adequate. Isolated showers (5-20 mm) brought little relief to rainfed second-season crops across Java. Showers (20-40 mm) eased dryness across the oil palm areas of eastern peninsular Malaysia. Mostly light showers (less than 20 mm) prevailed across the Philippines, but western Luzon received very heavy showers (75-200 mm, with isolated amounts greater than 400 mm).





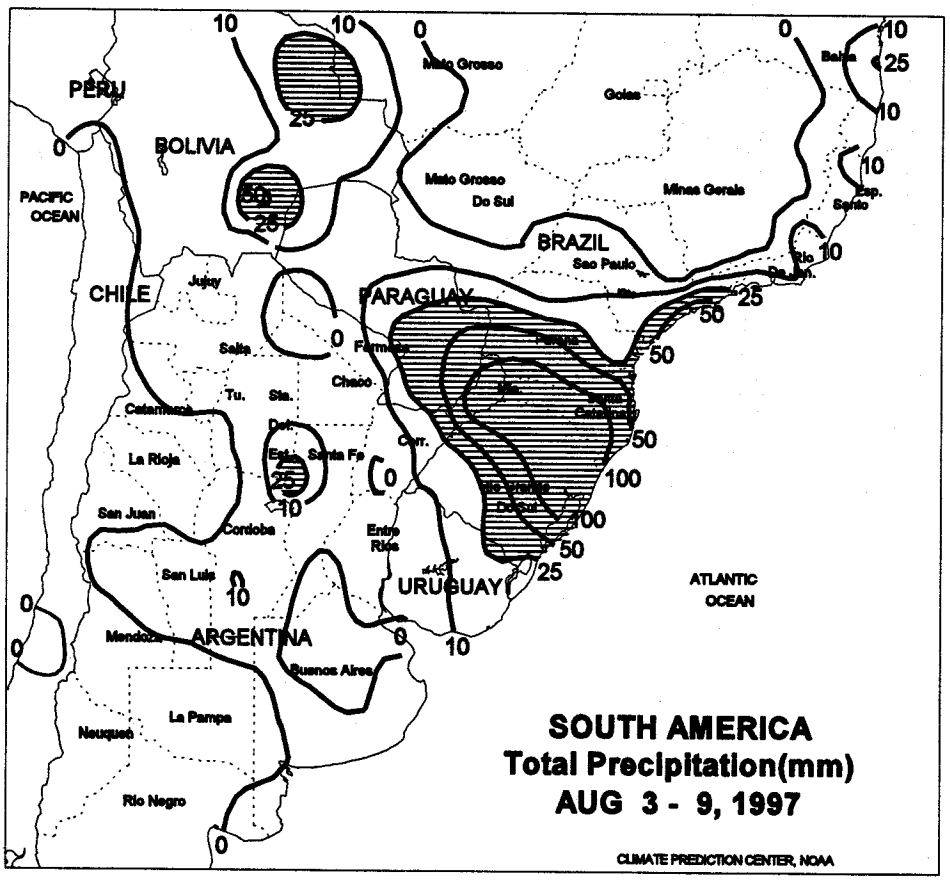
EASTERN ASIA

Light to moderate rain (5-25 mm, with isolated amounts greater than 50 mm) brought only partial relief to drought-stressed summer crops in the North China Plain. The rain primarily favored soybeans and cotton, since corn is already in the filling stage. Widespread showers (25-80 mm) benefited corn and soybeans in northern and central Manchuria, while light rain was reported in the southern crop areas. Temperatures averaged 1 to 3 degrees C above normal in the North China Plain and southern Manchuria. Across the Yangtze Valley and southern China, widespread showers continued to maintain favorable moisture levels. However, excessive showers (greater than 150 mm) caused local flooding in Guangxi, Guangdong, and Jiangxi. Heavy showers (50-150 mm) eased drought in North Korea, but the moisture may have arrived too late to help rainfed corn. Tropical Cyclone Tina hit extreme southern South Korea on August 9, with sustained winds of 40 to 45 knots (46-52 mph). While the winds caused little damage, heavy rain (100-250 mm) across the eastern half of the country contributed to local flooding. In Japan, widespread rain (30-100 mm) maintained rice irrigation supplies and warm weather (temperatures 1-4 degrees C above normal) favored reproductive rice.



AUSTRALIA

Highly beneficial rain (10-25 mm or more) soaked southeastern Australia, providing needed moisture for crop development. In fact, showers continued through August 10, with overall rainfall from the storm systems totaling 25 to 46 mm from South Australia into southern New South Wales. For some locations, these amounts represent the expected rainfall for the entire month. In Western Australia, rainfall ranging from 12 to 43 mm maintained favorable crop prospects. Patchy, generally light showers continued in northeastern winter grain areas from Darling Downs northward. Barley in these northern crop regions typically reaches the heading phase in late-August and could use some additional moisture. In New Zealand, rainfall continued to be light (10 mm or less) in most pasture areas.



SOUTH AMERICA

Favorably dry weather allowed winter wheat planting to progress in Buenos Aires, Argentina. However, dry topsoils are still delaying wheat planting in southern Cordoba and Santa Fe. Cool weather (minimum temperatures near and below freezing) slowed germinating to vegetative wheat across central Argentina. According to reports as of August 1, wheat in Argentina was 74 percent planted, compared with 90 percent last year. In southern Brazil, persistent rain (25-75 mm, with isolated amounts greater than 100 mm) increased disease problems for vegetative to reproductive winter wheat.

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(Continued from page 17)

Pasture and Range Crop Condition by Percent
Week Ending August 10, 1997

	VP	P	F	G	EX		VP	P	F	G	EX
AL	0	12	39	39	10	NH	0	21	49	27	3
AZ	10	33	40	15	2	NJ	0	60	40	0	0
AR	4	31	40	23	2	NM	2	7	31	54	6
CA	5	15	35	45	0	NY	34	35	31	0	0
CO	2	9	24	55	10	NC	2	14	39	40	5
CT	0	0	100	0	0	ND	7	22	40	30	1
DE	16	51	22	11	0	OH	4	16	41	34	5
FL	0	0	15	45	40	OK	0	6	31	58	5
GA	1	4	28	61	6	OR	1	2	15	63	19
ID	0	0	11	70	19	PA	25	35	35	5	0
IL	17	28	36	18	1	RI	0	50	50	0	0
IN	14	36	36	13	1	SC	0	4	33	57	6
IA	22	29	26	21	2	SD	0	4	18	59	19
KS	3	12	33	43	9	TN	3	19	37	39	2
KY	15	35	37	13	0	TX	2	14	41	36	7
LA	1	7	34	49	9	UT	2	2	21	65	10
ME	21	60	7	12	0	VT	0	0	85	15	0
MD	43	20	23	14	0	VA	5	19	50	25	1
MA	14	37	17	32	0	WA	7	10	18	60	5
MI	13	27	36	22	2	WV	6	5	38	48	3
MN	1	10	34	49	6	WI	2	7	24	56	11
MS	0	5	23	60	12	WY	0	1	14	65	20
MO	16	36	36	12	0	ALL	6	16	32	39	7
MT	4	11	30	44	11						
NE	17	30	34	15	4	Prev Wk	4	14	33	42	7
NV	0	0	23	61	16	Prev Yr	5	13	31	45	6

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