

# 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

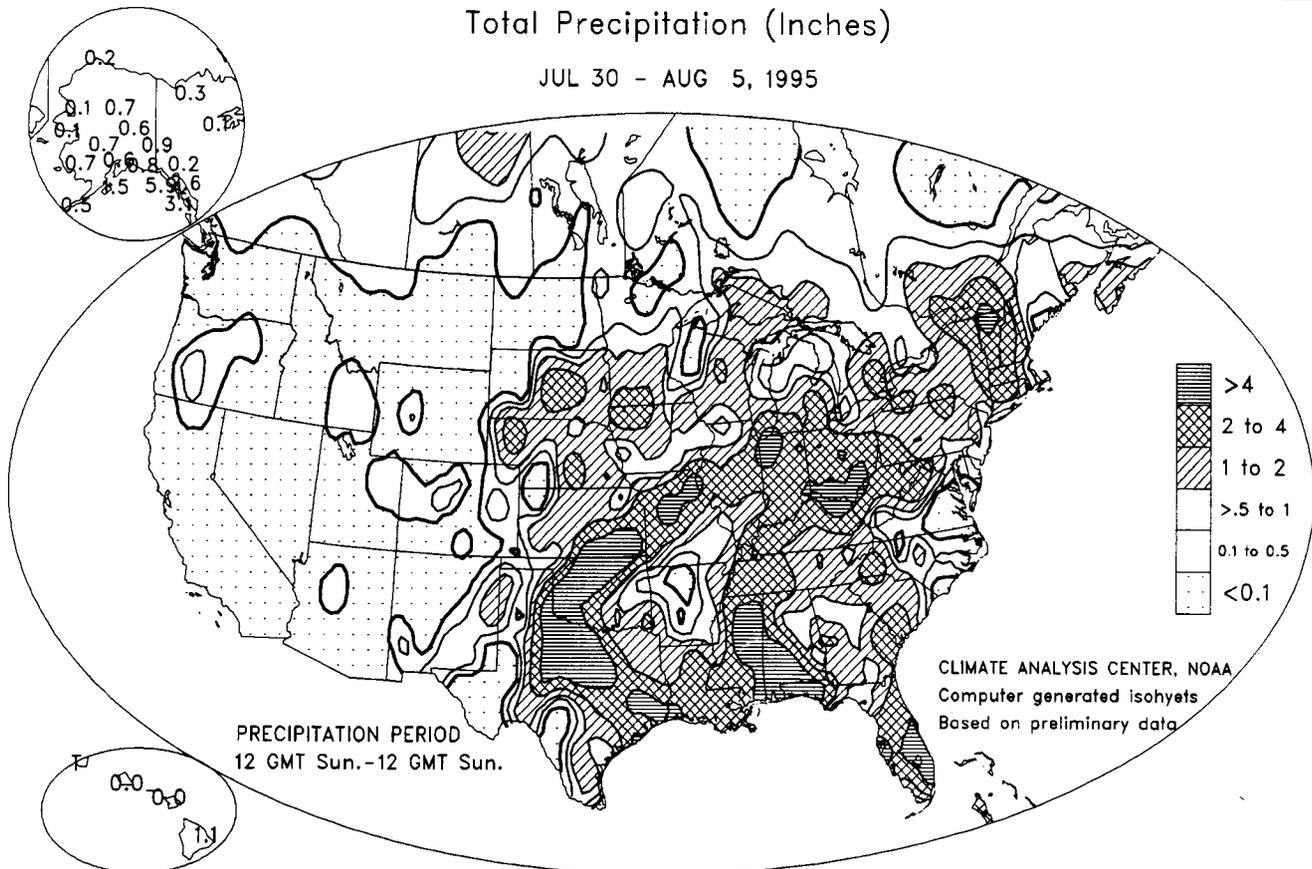
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Washington, D.C.

August 8, 1995

## Total Precipitation (Inches)

JUL 30 - AUG 5, 1995



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

PRECIPITATION PERIOD  
12 GMT Sun. - 12 GMT Sun.

## HIGHLIGHTS

### July 30 - August 5, 1995

The remnants of Tropical Storm Dean and Hurricane Erin plied rainy paths across portions of the South and East. Moisture from Dean was entrained by a slow-moving cold front, spreading heavy rain from Texas to New England. Behind the front, cool air remained entrenched across the Plains until late in the week, setting more than three dozen daily-record lows. In contrast, heat again encompassed the Southwest, although not to last week's extreme. Meanwhile, the Middle Atlantic region's protracted heat wave approached closure at week's end, as the moisture-laden vestiges of Erin recurved sharply in response to a surge of cool air from the north.

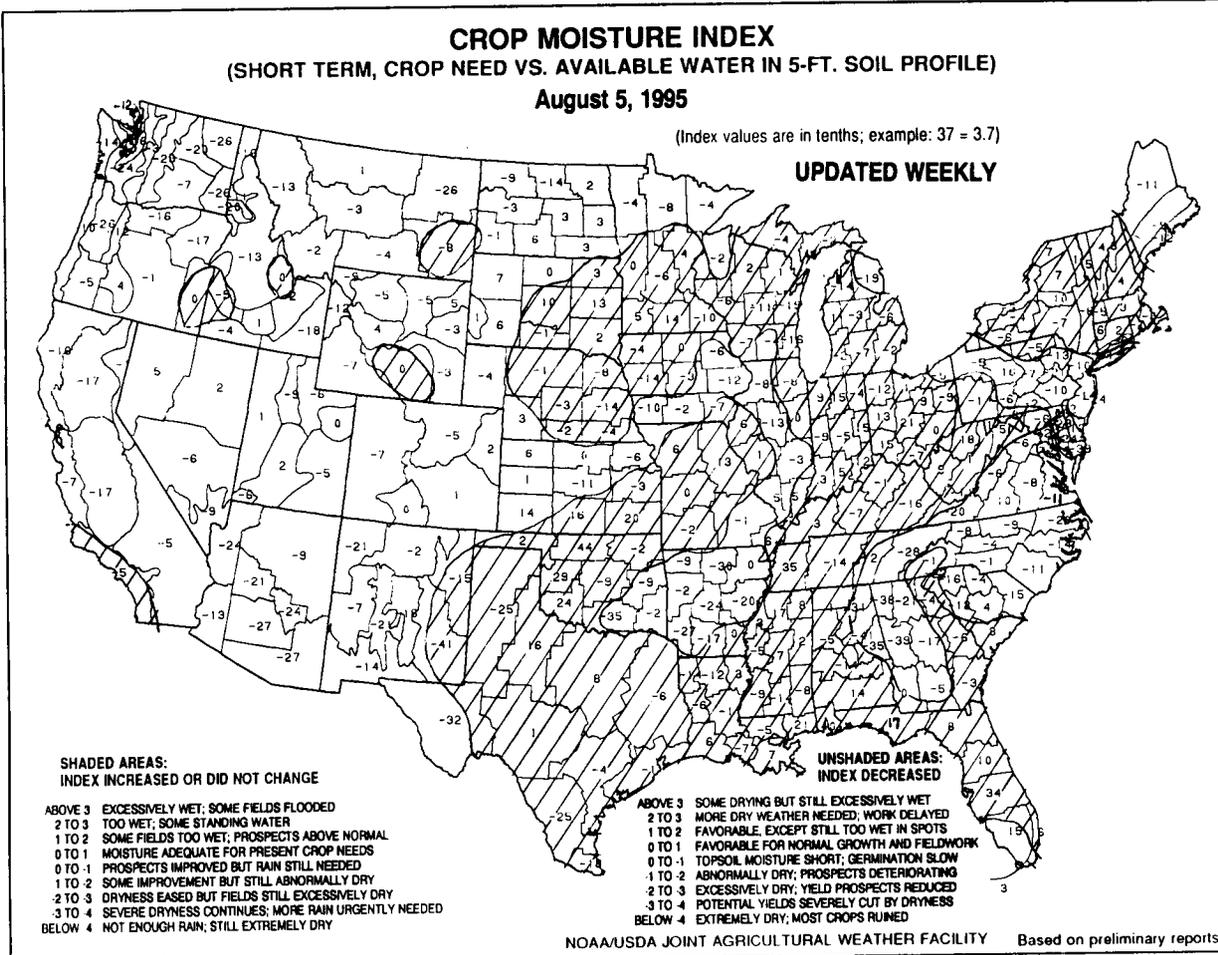
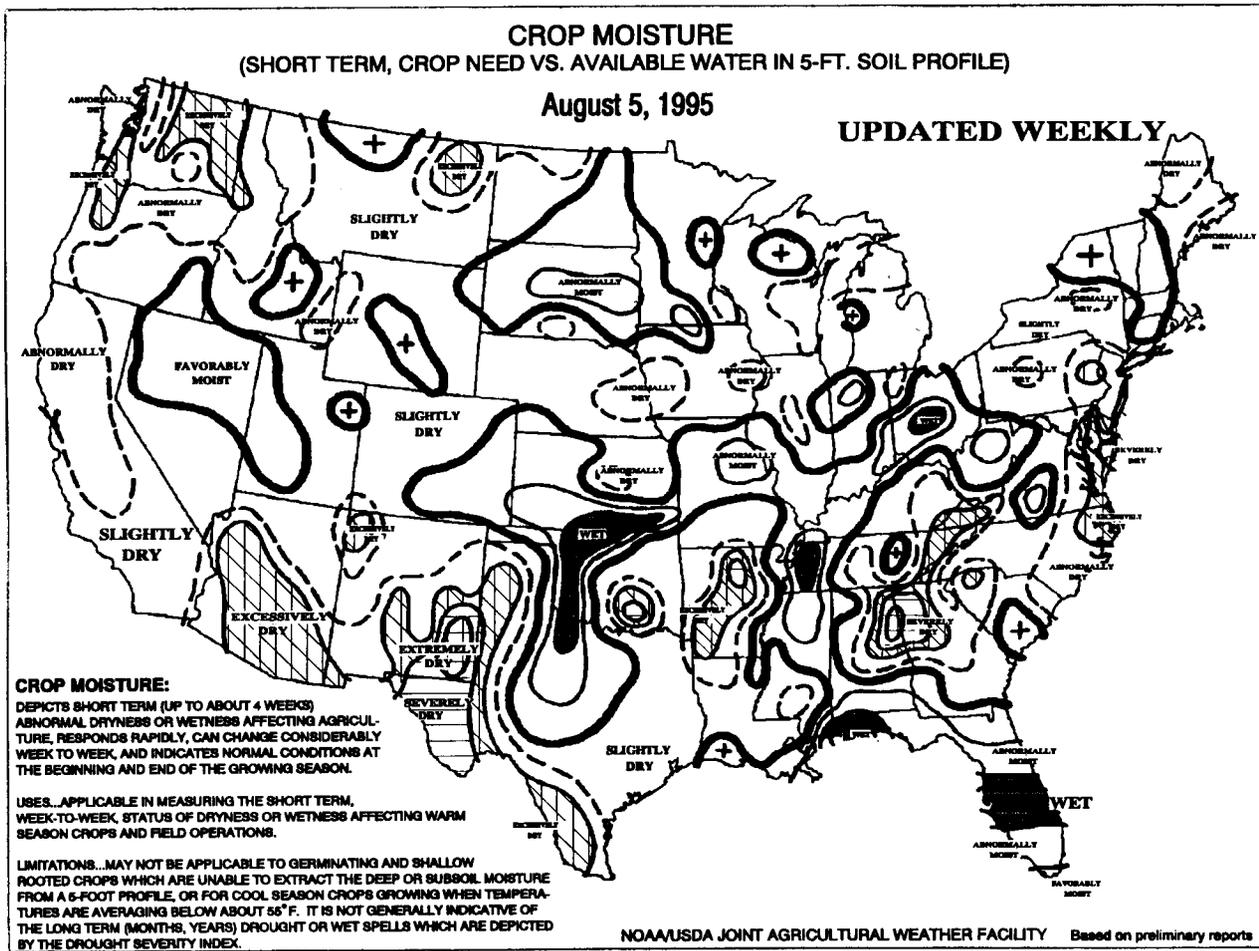
Dean struck near Galveston, TX on Sunday evening, only hours after attaining tropical-storm force. Galveston reported a wind gust to 51 m.p.h.

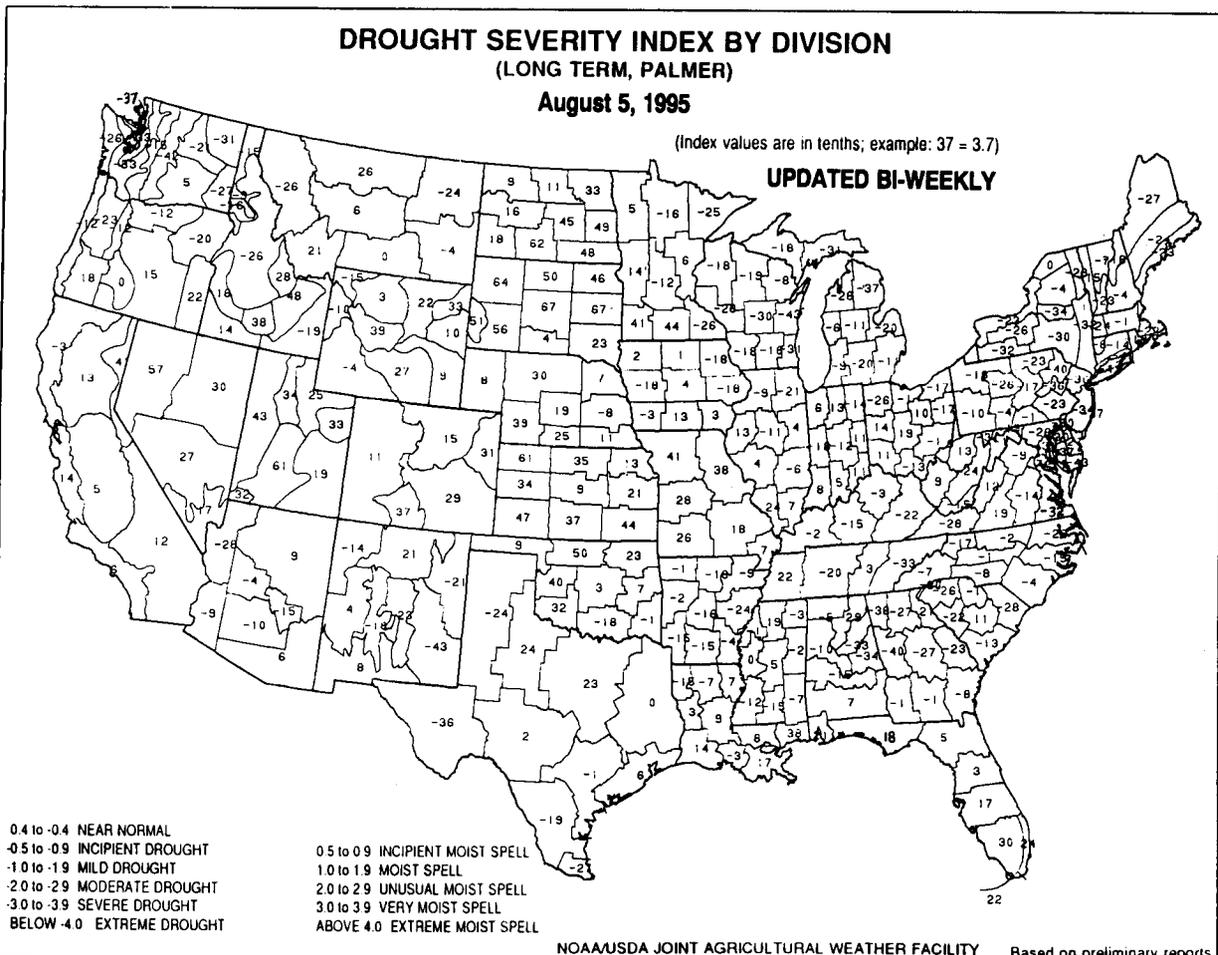
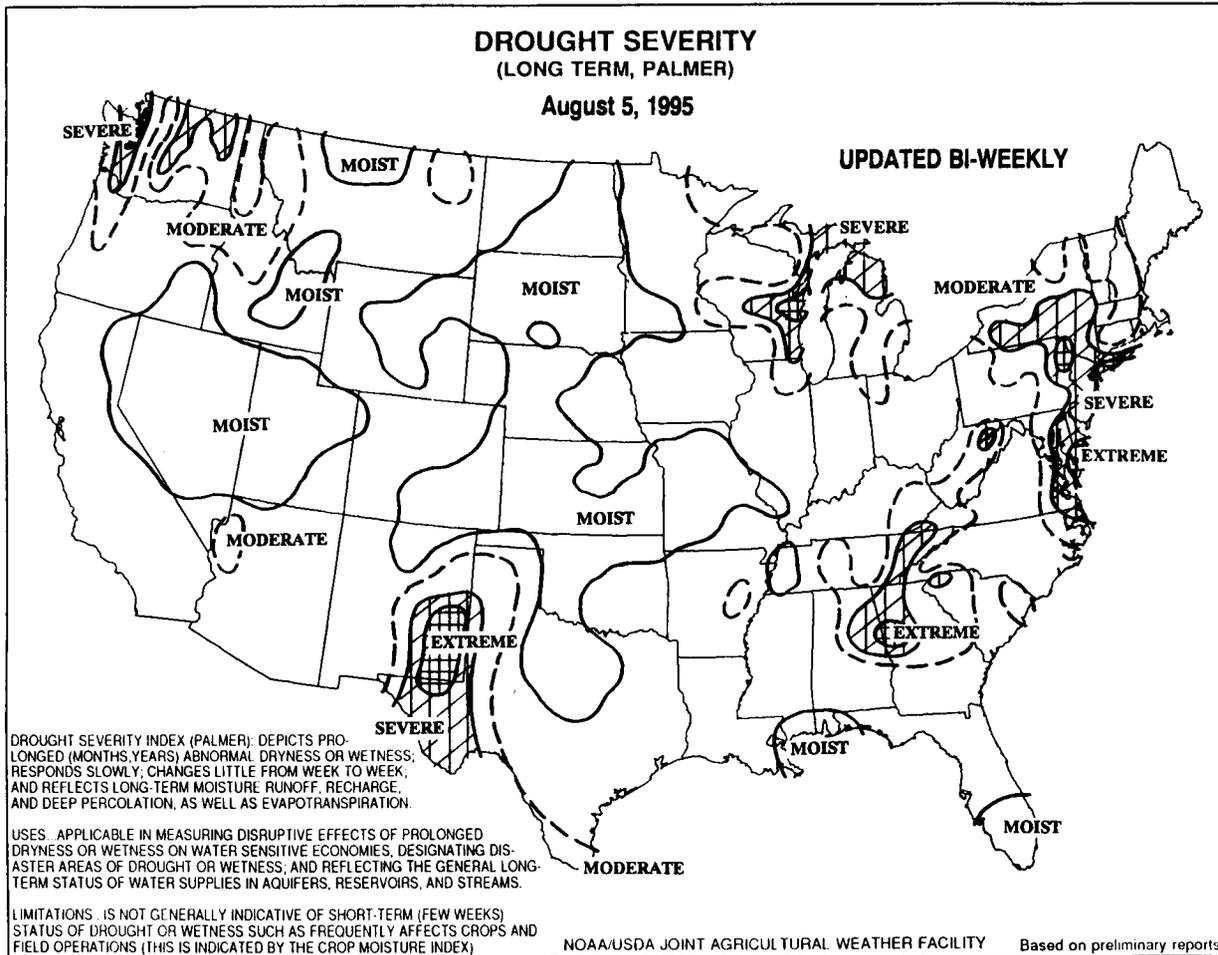
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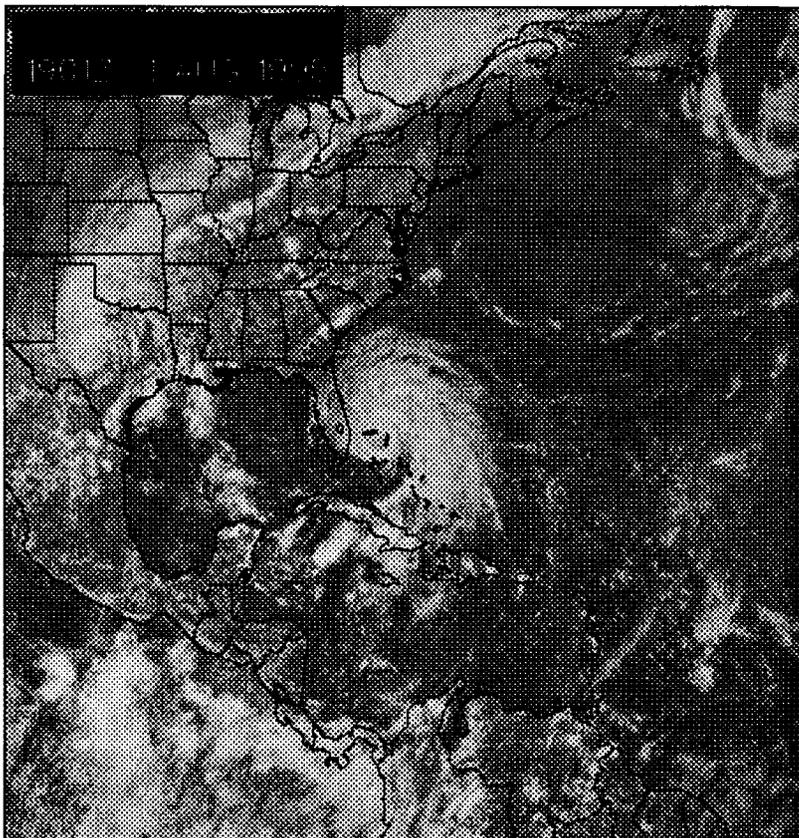
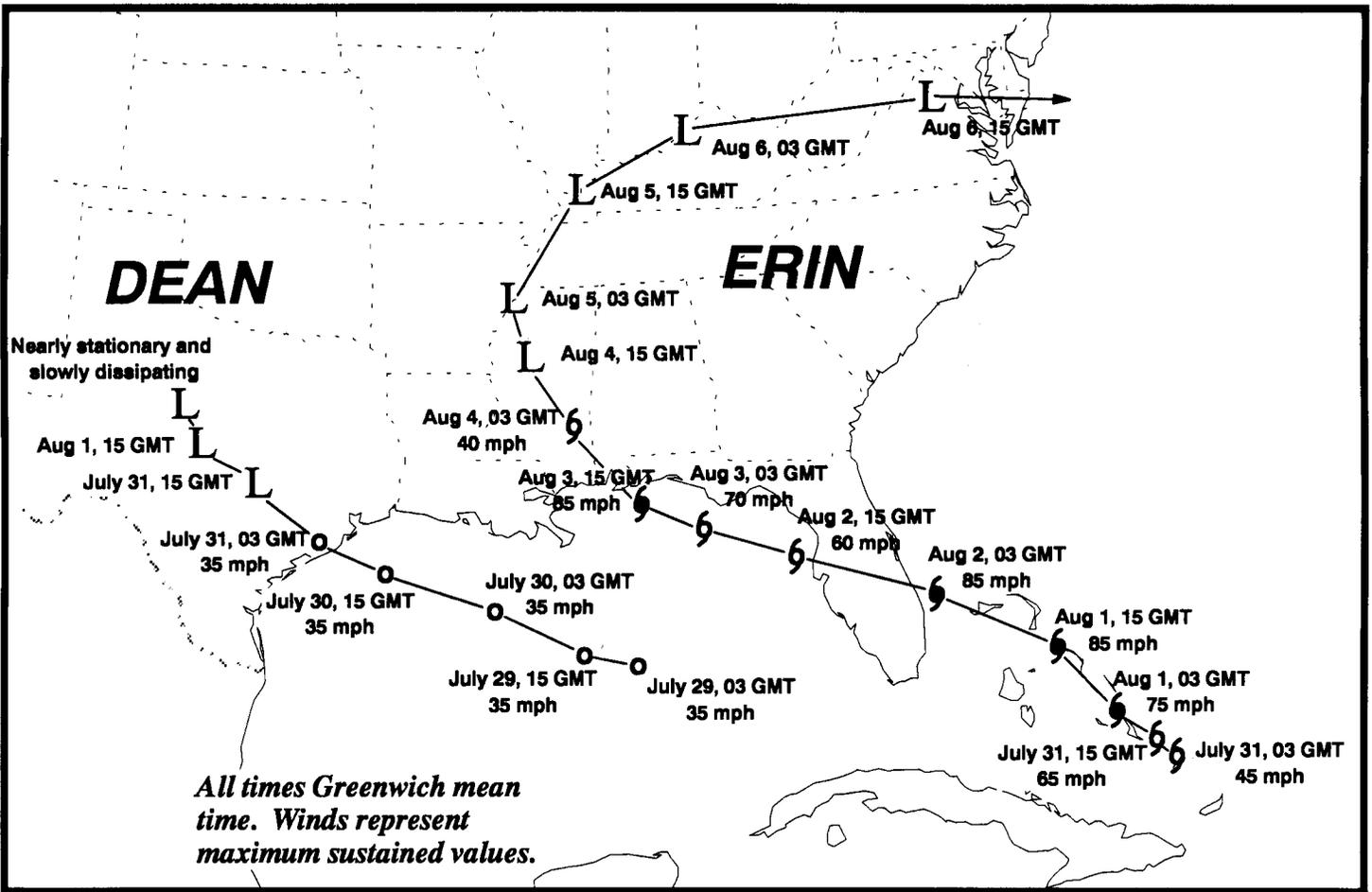
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**Miscellaneous Weather Data for Selected Locations**

<u>Location</u>	<u>24-Hour Rainfall</u>
<b>T.S. Dean remnants:</b>	
Vernon, TX (4S)	14.82" on August 1-2
Harmon County, OK	8.50" on August 1-2
Altus, OK	5.24" on August 1-2
Hobart, OK	3.19" on August 2-3
<b>Hurricane Erin and remnants:</b>	
Melbourne, FL	9.06" on Aug. 2 ( <i>August record</i> )
Mary Esther, FL	4.08" on August 3-4
Cincinnati, OH	3.52" on Aug. 5 ( <i>August record</i> )
Jackson, TN	3.36" on August 4-5
<u>Location</u>	<u>Peak Wind Gust'</u>
<b>T.S. Dean:</b>	
Galveston, TX	51 m.p.h. on Jul. 31, evening
<b>Hurricane Erin:</b>	
Vero Beach, FL	71 m.p.h. on Aug. 2, 12:49 a.m.
Melbourne, FL	76 m.p.h. on Aug. 2, 4:03 a.m.
Pensacola, FL	94 m.p.h. on Aug. 3, midday
Mary Esther, FL	98 m.p.h. on Aug. 3, midday

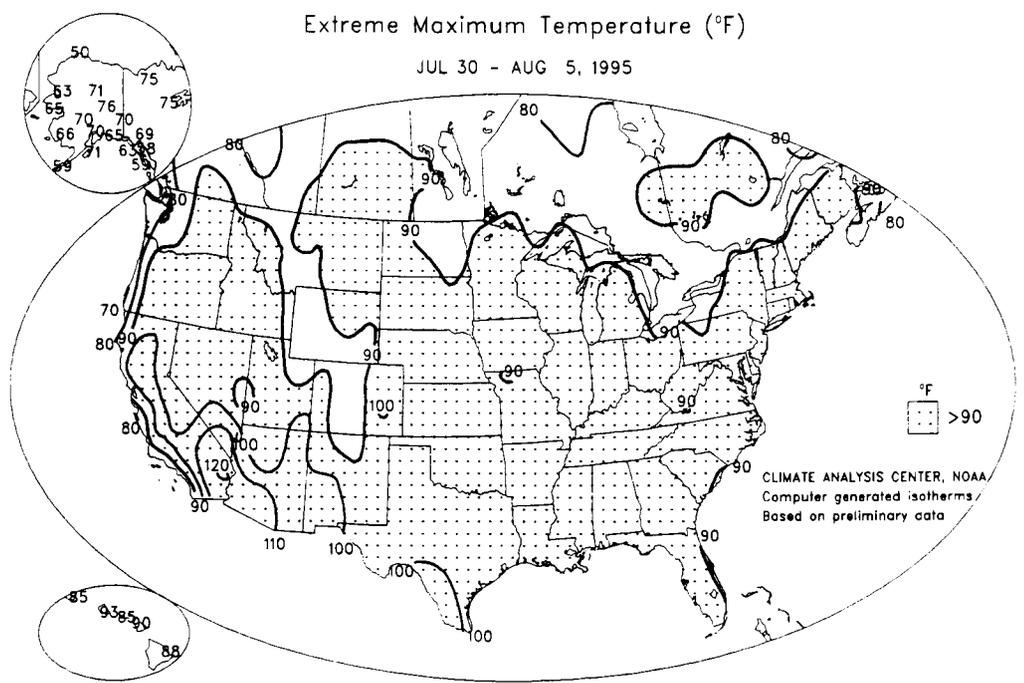
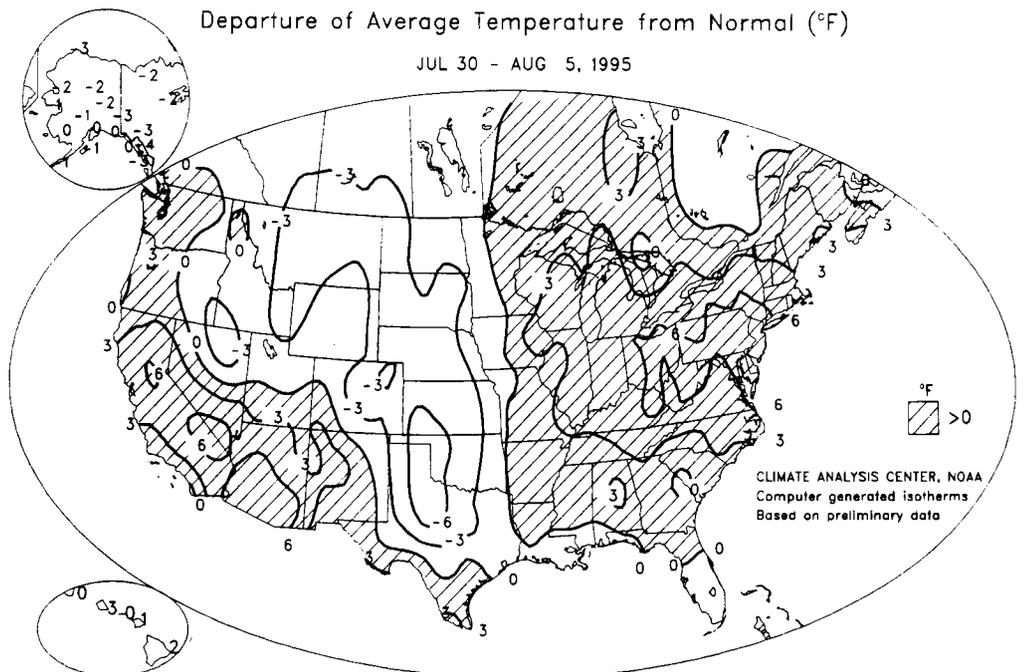
\* As Erin intensified and traversed the Bahamas on August 1, wind gusts to 100 m.p.h. were estimated or observed in several locations, including Little Salvador.

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Dean's circulation center pushed inland to near **Abilene, TX**, where it stalled, producing torrential rain before dissipating by Thursday. On August 1-2, 24-hour rainfall (7 a.m. to 7 a.m. CDT) reached 14.82 inches at an observing site near **Vernon, TX**, while a station in **Harmon County, OK** received 8.50 inches. More than 6 inches pelted **Abilene**, 4.10 inches of which fell during the same 24-hour period. Rain benefited crops on the **southern Plains**, where more than an inch dampened **Lubbock, TX** and **Clovis, NM**. The **Corn Belt** also received widespread rainfall, including some locally heavy amounts. In **South Bend, IN**, a 24-hour total of 4.85 inches on August 2-3 eclipsed their all-time record, set on June 24-25, 1968 (4.70 inches). Although a few dry pockets persisted in the **central and western Corn Belt**, extreme highs were generally in the lower to middle 90's, below critical levels for reproductive corn and soybeans.

Farther east, however, highs soared late in the week. On Friday, daily records were established at **Baltimore (BWI), MD (100°F)** and **Philadelphia, PA (98°F)**. A day later, **Baltimore** recorded its last of 25 consecutive 90-degree days, bettering the former record of 21 days, set from July 29 - August 19, 1988. More than a dozen daily-record highs were broken in the **West**, where **San Francisco (downtown), CA** notched 99°F on July 30, 14°F above their former standard. **St. George, UT** reached 111°F on Wednesday and Thursday, their fifth and sixth records in 7 days. Between areas of heat, daily-record lows included 38°F in **Pocatello, ID** on Monday and 42°F in **Denver, CO** on Tuesday. Also on August 1, highs struggled to only 69°F in **Amarillo, TX** and 71°F in **Topeka, KS**.

Hurricane Erin twice struck **Florida**, first along the east coast at **Vero Beach** during the early-morning hours of August 2, then again on the Panhandle at **Pensacola** during the late morning on August 3. At **Vero Beach**, where the eye passed around 2 a.m. EDT, pre-eye northerly winds gusted to 70 m.p.h. and the barometric pressure dropped to 29.12 inches. Farther north, **Melbourne** clocked several pre-dawn gusts to 76 m.p.h. and tallied a single-day August rainfall record of 9.06 inches (formerly 6.81 inches on the 27th in 1949). A day later, peak gusts were reported to be 98 m.p.h. at **Mary Esther** and 94 m.p.h. at **Pensacola**. Once inland, the weakening storm helped to break two daily rainfall records in 2 days (August 4-5) in **Mississippi** at **Jackson** and **Tupelo**. As the system turned eastward through the **Ohio Valley** on Saturday, **Cincinnati, OH** collected an August single-day record of 3.52 inches. Farther north, a cold front--the catalyst for Erin's swift departure--swept through the **Northeast**, providing additional drought relief. Also at week's end, locally heavy thunderstorms developed over the **central Plains** and **western Corn Belt**.



# National Weather Data for Selected Cities

## Weather Data for the Week Ending August 5, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS								
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE 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	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE				
AL BIRMINGHAM	94	74	98	71	84	4	.3	-.7	.1	4.5	47	23.0	65	88	45	6	0	0	0	0	0	0	
MOBILE	86	74	93	73	80	-3	5.5	3.9	2.7	13.1	180	51.0	128	98	69	2	0	0	0	0	0	0	
MONTGOMERY	92	73	97	71	82	2	.5	-.6	.3	5.0	44	35.7	71	91	52	4	0	0	0	0	0	0	
AK ANCHORAGE	64	52	70	50	58	0	.6	-.1	.3	4.2	130	7.8	112	91	52	4	0	0	0	0	0	0	
BARROW	41	33	50	31	37	-2	.2	-.0	.3	1.5	107	2.6	93	96	85	0	0	4	0	0	0	0	
FAIRBANKS	68	49	76	46	59	-2	.6	-.1	.5	3.8	106	5.4	93	94	53	0	0	4	0	0	0	0	
UNALASKA	55	50	58	46	53	-4	2.6	1.6	1.0	2.8	113	...	93	99	85	0	0	0	0	0	0	0	
KODIAK	61	48	71	45	55	-1	1.5	-.5	.7	14.6	159	49.0	135	93	68	0	0	0	0	0	0	0	
Nome	59	43	65	39	51	-1	.1	-.5	.5	2.2	59	8.1	117	90	65	0	0	0	0	0	0	0	
AZ PHOENIX	113	87	118	87	100	7	.0	-.2	.1	2.2	39	3.1	84	33	13	7	7	0	0	0	0	0	
PRESCOTT	97	65	98	60	81	8	.0	-.8	.0	2.8	0	6.0	57	40	14	7	7	0	0	0	0	0	
TUCSON	107	79	109	76	93	7	.0	-.6	.7	1.0	34	0	57	40	14	7	7	0	0	0	0	0	
YUMA	114	86	115	84	100	6	.0	-.1	.0	4.2	0	3.7	65	44	13	7	7	0	0	0	0	0	
AR FORT SMITH	90	74	93	72	82	0	.5	-.2	.0	2.2	42	2.0	150	50	15	7	7	0	0	0	0	0	
LITTLE ROCK	92	74	97	73	83	0	.1	-.6	.1	9.1	79	27.3	111	93	56	4	4	0	0	0	0	0	
CA BAKERSFIELD	104	74	107	70	89	5	.0	-.0	.1	6.2	79	25.1	87	76	48	6	7	0	0	0	0	0	
FURKIA	65	52	74	48	59	1	.0	-.0	.0	1.1	109	7.9	205	37	14	7	7	0	0	0	0	0	
FRESNO	103	71	105	66	87	5	.0	-.1	.0	1.9	277	36.0	171	94	63	0	0	0	0	0	0	0	
LOS ANGELES	74	64	77	62	69	-1	.0	-.0	.0	.7	957	15.2	218	68	18	7	7	0	0	0	0	0	
REDDING	105	70	108	65	87	6	.0	-.1	.0	1.8	>1000	21.0	271	94	69	0	0	0	0	0	0	0	
SACRAMENTO	98	61	103	58	80	6	.0	-.0	.0	1.5	231	46.6	245	56	13	7	7	0	0	0	0	0	
SAN DIEGO	76	65	78	64	71	-2	.0	-.0	.0	.5	313	23.8	221	91	36	7	7	0	0	0	0	0	
SAN FRANCISCO	76	56	93	54	66	-3	.0	-.0	.0	.5	567	15.9	256	94	67	0	0	0	0	0	0	0	
CO DENVER	86	55	99	42	71	-3	.0	-.0	.0	.6	500	21.0	171	92	55	1	1	0	0	0	0	0	
GRAND JUNCTION	97	64	100	56	80	1	.1	-.3	.0	4.0	102	11.8	113	72	28	3	3	0	0	2	2	0	
FUERTE	93	53	101	46	73	-4	.2	-.0	.2	2.2	139	8.1	140	75	11	7	7	0	0	1	1	0	
CT BRIDGEPORT	89	73	96	69	81	6	.2	-.5	.7	3.5	95	11.4	157	84	23	5	5	0	0	0	0	0	
HARTFORD	90	68	97	60	79	5	.3	-.5	.3	3.0	39	16.8	66	80	49	4	4	0	0	2	2	0	
DC WASHINGTON	96	75	98	73	85	5	3.6	2.8	2.2	7.2	96	21.4	83	88	49	5	5	0	0	3	3	0	
FL PANAMA CITY	86	74	92	73	80	-1	5.5	3.5	3.4	6.9	88	20.0	88	85	40	7	7	0	0	1	1	0	
DAYTONA BEACH	88	75	88	73	81	0	1.1	-.2	.6	13.5	110	21.1	79	94	67	0	0	0	0	5	5	1	
JACKSONVILLE	89	74	91	73	81	0	2.1	-.9	1.8	16.9	139	28.0	97	95	65	3	3	0	0	5	5	1	
KEY WEST	89	79	91	75	84	-1	.2	-.8	.1	10.8	115	19.8	98	87	65	1	1	0	0	3	3	0	
MIAMI	87	76	89	72	81	-1	3.0	1.6	1.3	29.0	180	44.8	142	91	68	0	0	0	0	6	6	2	
ORLANDO	88	75	91	74	81	-1	1.9	-.3	1.3	15.5	99	25.4	86	95	64	4	4	0	0	3	3	1	
TALLAHASSEE	91	75	94	72	83	0	1.2	-.7	.8	18.4	108	36.1	86	91	57	5	5	0	0	5	5	1	
TAMPA	89	75	92	73	82	0	3.4	1.8	2.7	23.2	175	33.9	133	94	61	3	3	0	0	4	4	2	
WEST PALM BEACH	86	75	90	69	80	-2	3.8	2.4	1.7	17.3	115	26.6	81	92	74	1	1	0	0	4	4	3	
GA ATLANTA	91	71	95	69	81	-2	.2	-.8	.2	4.7	51	22.7	68	96	46	4	4	0	0	3	3	0	
AUGUSTA	90	70	93	68	80	-1	1.1	-.0	.6	10.2	112	25.4	87	99	56	5	5	0	0	3	3	1	
MACON	91	72	92	70	81	0	.4	-.5	.3	11.1	130	27.3	92	97	53	7	7	0	0	3	3	0	
SAVANNAH	89	75	92	73	82	0	2.0	-.4	.8	14.4	108	26.2	84	93	61	4	4	0	0	5	5	2	
HI HILO	86	71	88	69	78	2	1.1	-.1	.4	20.3	116	47.4	62	91	64	0	0	0	0	6	6	0	
HONOLULU	91	77	93	76	84	3	.7	-.1	.7	.2	20	9.9	84	73	47	6	6	0	0	0	0	0	
KAHULUI	88	72	90	68	80	1	.7	-.1	.7	.4	60	8.6	66	74	52	2	2	0	0	0	0	0	
LIIHUE	84	75	85	72	79	0	.7	-.4	.7	2.8	68	16.0	66	83	71	0	0	0	0	2	2	0	
ID BOISE	92	56	99	48	74	-1	.7	-.1	.7	1.5	124	9.0	123	72	13	6	6	0	0	1	1	0	
LEWISTON	91	60	97	54	76	0	.0	-.2	.0	4.1	203	9.9	128	58	21	5	5	0	0	0	0	0	
POCATELLO	88	48	95	38	68	-3	.7	-.1	.7	3.7	210	11.3	151	79	16	5	5	0	0	1	1	0	
IL CHICAGO	86	70	96	66	78	5	.6	-.3	.3	5.2	64	20.5	100	91	61	2	2	0	0	4	4	0	
MOBILE	85	70	93	68	78	3	.9	-.2	.5	6.4	64	24.9	104	94	64	2	2	0	0	4	4	0	
PEORIA	85	71	93	69	78	3	.6	-.1	.4	5.0	58	25.0	113	97	65	2	2	0	0	4	4	0	
QUINCY	83	70	91	68	77	1	1.7	.8	1.2	5.2	58	21.1	90	86	63	2	2	0	0	5	5	1	
ROCKFORD	84	67	91	66	76	3	.6	-.3	.3	6.6	71	20.9	97	100	67	2	2	0	0	4	4	0	
SPRINGFIELD	87	72	94	69	79	4	2.0	1.3	1.4	6.0	80	24.2	114	94	64	3	3	0	0	3	3	2	
IN EVANSVILLE	92	73	97	72	82	4	2.4	1.5	1.9	9.9	111	37.2	128	88	52	5	5	0	0	2	2	1	
FORT WAYNE	89	69	95	67	79	5	.3	-.5	.1	7.7	102	22.3	106	98	61	5	5	0	0	4	4	0	
INDIANAPOLIS	89	71	94	69	80	5	.7	-.2	.4	6.8	79	23.3	94	93	58	5	5	0	0	2	2	0	
SOUTH BEND	86	69	92	67	77	4	6.2	5.4	4.4	15.1	177	29.3	128	94	62	2	2	0	0	4	4	3	
IA DES MOINES	85	67	92	61	76	2	.8	-.1	.8	7.2	79	24.0	114	93	60	1	1	0	0	1	1	1	
SIOUX CITY	84	63	97	51	74	-2	.7	-.0	.4	3.9	52	16.0	96	96	62	1	1	0	0	3	3	0	
WATERLOO	87	65	94	60	76	4	.4	-.5	.4	6.8	68	18.0	84	96	57	3	3	0	0	1	1	0	
KS CONCORDIA	86	64	92	59	75	-4	.5	-.3	.5	6.1	70	20.0	106	94	53	2	2	0	0	2	2	0	
DODGE CITY	87	63	96	56	75	-5	.7	-.0	.7	7.1	104	17.3	119	99	54	3	3	0	0	2	2	1	
GOODLAND	85	57	91	45	71	-4	.5	-.1	.5	7.8	122	16.4	125	95	41	2	2	0	0	1	1	0	
TOPEKA	84	68	96	63	76	-2	1.7	.9	.7	9.5	98	28.8	133	95	65	2	2	0	0	4	4	2	
WICHITA	83	69	93	63	76	-4	1.9	1.2	.7	14.7	151	27.3	127	97	68	2	2	0	0	4	4	2	
KY BOWLING GREEN	92	71	96	68	82	4	1.3	.3	1.3	6.2	65	23.8	75	97	58	2	2	0	0	1	1	1	
LEXINGTON	91	71	95	68	81	5	1.7	.7	1.4	11.1	119	34.6	123	87	50	6	6	0	0	2	2	1	
LOUISVILLE	92	74	95	72	83	6	2.1	1.2	2.1	7.4	86	26.5	94	87	55	6	6	0	0	1	1	1	
LA BATON ROUGE	90	73	94	71	82	-1	1.6	.1	.7	7.8	64	47.4	125	99	64	4	4	0	0	5	5	2	
LAKE CHARLES	90	77	98	75	84	1	6.1	4.9	3.2	17.0	155	41.6	133	97									

Weather Data for the Week Ending August 5, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE 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	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	79	58	93	53	69	3	.7	-.3	.7	3.4	44	18.5	93	81	44	2	0	0	0
PORTLAND	80	61	90	57	71	1	.3	-.3	.3	6.0	86	22.1	88	93	65	1	7	0	0
MD BALTIMORE	97	73	100	68	85	8	.1	-.7	.1	5.6	70	17.2	71	84	35	0	0	0	0
SALISBURY	97	70	98	63	84	7	.0	-.2	.0	3.9	44	15.2	56	96	60	0	0	0	0
MA BOSTON	87	69	96	65	78	4	.2	-.5	.1	3.8	59	16.1	67	82	49	1	6	0	0
CHATHAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MI ALPENA	81	58	94	52	70	3	.1	-.6	.1	5.1	78	13.1	80	96	62	1	1	0	0
DETROIT	87	69	93	62	78	6	1.7	-.9	.8	5.1	69	17.2	89	88	58	2	2	0	0
FLINT	85	65	92	50	75	5	.7	.0	.5	4.1	63	13.1	78	94	60	1	1	0	0
GRAND RAPIDS	84	67	90	55	75	4	.4	-.3	.4	10.5	141	22.3	113	94	64	1	1	0	0
HOGENTON LAKE	83	65	91	52	74	6	.5	-.2	.2	6.8	111	15.6	100	90	60	2	2	0	0
LANSING	86	64	92	49	75	4	.6	.0	.3	3.6	56	14.8	86	99	59	1	1	0	0
MARQUETTE	78	58	93	52	68	3	2.7	2.0	1.8	7.4	107	21.2	110	95	55	1	1	0	0
MUSKEGON	83	68	90	57	75	5	1.5	-.9	1.2	4.9	99	16.1	96	97	67	1	1	0	0
SAULT ST. MARIE	78	58	87	47	68	4	1.9	1.1	1.5	7.5	118	19.6	109	98	57	0	0	0	0
MV ALEXANDRIA	80	60	95	51	70	-2	1.1	-.4	.6	6.6	85	13.4	85	95	53	1	1	0	0
DULUTH	78	58	94	51	68	2	1.0	-.2	1.0	6.3	79	17.0	99	89	56	1	1	0	0
INT'L FALLS	81	54	94	41	68	1	.0	-.7	.0	6.0	74	12.0	82	85	42	1	1	0	0
MINNEAPOLIS	83	64	94	55	74	0	1.0	-.3	.4	6.8	83	13.9	78	93	55	1	1	0	0
ROCHESTER	80	61	87	54	71	0	1.2	-.3	.8	8.0	94	17.7	98	97	65	0	0	0	0
MS GREENWOOD	92	74	97	73	83	1	1.8	1.1	.8	8.3	92	29.1	84	94	57	6	0	0	0
JACKSON	90	73	95	71	82	1	3.8	2.9	1.8	12.5	159	37.7	108	95	62	4	4	0	0
MERIDIAN	91	73	97	69	82	1	4.3	3.3	2.8	8.5	90	34.7	95	96	55	4	4	0	0
MO CAPE GIRARDEAU	92	74	96	71	83	4	.5	-.3	.3	9.3	123	30.2	106	95	54	5	5	0	0
COLUMBIA	87	71	94	69	79	2	1.8	1.1	.9	12.7	156	39.8	173	99	69	2	2	0	0
KANSAS CITY	83	68	91	64	76	-3	2.4	1.5	2.0	10.4	106	29.1	129	96	73	2	2	0	0
SAINT LOUIS	90	75	95	72	82	3	1.9	1.2	1.1	7.0	87	32.2	140	89	59	3	3	0	0
SPRINGFIELD	89	71	92	69	80	2	1.0	-.3	1.0	11.7	135	34.2	137	95	57	2	2	0	0
MT BILLINGS	85	56	93	47	70	-3	T	-.2	T	4.0	132	12.1	120	74	20	2	2	0	0
GLASGOW	82	53	98	44	68	-4	.2	-.1	.2	7.1	175	10.5	138	83	30	1	1	0	0
GREAT FALLS	80	48	91	44	64	-5	.0	-.3	.0	5.8	150	11.4	110	84	29	1	0	0	0
HAVRE	80	50	93	45	65	-5	-.1	-.2	.1	8.1	243	12.0	160	88	37	1	0	0	0
HELENA	84	46	92	39	65	-5	.0	-.3	.0	3.9	123	8.7	113	82	29	2	2	0	0
KALISPELL	81	45	91	38	63	-2	T	-.3	T	6.1	172	11.5	114	90	29	1	0	0	0
MILES CITY	89	57	99	47	73	-2	T	-.3	T	4.3	95	10.2	104	69	20	3	0	0	0
MISSOULA	87	48	96	38	68	0	.0	-.2	.0	4.1	144	7.8	91	75	21	3	0	0	0
NE GRAND ISLAND	83	61	96	51	72	-4	2.1	1.5	1.1	6.8	95	18.6	112	95	60	1	0	0	0
LINCOLN	87	64	97	57	76	-2	.7	.0	.7	3.7	48	18.0	102	97	52	4	4	0	0
NORFOLK	84	62	94	51	73	-2	.5	-.1	.5	4.3	53	18.7	108	93	54	1	0	1	1
NORTH PLATTE	86	58	95	44	72	-2	.2	-.4	.1	4.7	70	13.8	97	93	42	4	4	0	0
OMAHA	86	66	94	58	76	0	T	-.7	T	4.2	54	18.9	101	93	59	3	0	1	0
SCOTTSBLUFF	85	55	92	47	70	-4	.1	-.3	.1	4.2	86	13.3	117	88	29	2	0	0	0
VALENTINE	84	57	92	47	70	-5	1.5	-.8	.7	6.2	85	16.8	111	93	44	3	0	5	1
NV RLY	88	45	93	38	67	-1	T	-.2	T	1.5	89	8.8	142	79	25	2	0	1	0
LAS VEGAS	110	85	113	82	98	7	.0	-.1	.0	T	0	3.6	151	24	8	7	0	0	0
RENO	96	57	100	54	77	5	T	-.1	T	1.5	199	10.0	216	80	16	7	0	0	0
WINNEVOCA	95	48	100	41	72	-1	.0	-.1	.0	1.5	125	8.1	160	80	8	6	0	0	0
NH CONCORD	86	61	96	53	73	4	1.9	1.1	.7	7.2	104	20.4	98	96	52	2	2	4	2
NJ ATLANTIC CITY	94	68	98	59	81	6	-.3	-.7	.2	5.4	76	18.0	74	94	43	7	8	2	0
NM ALBUQUERQUE	97	69	100	65	83	5	T	-.4	T	.6	25	2.4	52	48	16	7	0	1	0
CLOVIS	87	64	95	61	76	-1	1.4	-.7	1.3	2.8	48	5.8	58	42	40	3	0	2	0
ROSWELL	94	68	98	62	81	1	.2	-.4	.2	..	..	..	..	79	25	6	0	1	0
NY ALBANY	85	64	93	58	75	3	2.2	1.5	1.1	6.7	91	16.3	76	93	56	3	0	3	2
BINGHAMTON	85	65	92	56	75	6	2.0	1.2	1.3	5.8	75	16.5	76	87	49	3	0	2	2
SUFFALO	84	66	90	59	75	4	.9	.1	.7	5.8	80	18.4	88	88	55	1	0	2	1
NEW YORK	92	77	96	74	85	8	.1	-.8	.1	8.0	97	20.5	81	74	42	5	0	1	0
ROCHESTER	85	67	92	62	76	6	2.1	1.4	2.0	8.1	129	16.2	90	94	54	3	0	2	1
SYRACUSE	87	63	96	56	75	5	.8	.0	.4	3.8	46	12.7	57	89	50	3	0	2	0
NC ASHVILLE	84	66	88	63	75	1	.5	-.8	.2	13.0	123	32.3	97	98	60	0	0	3	0
CHARLOTTE	90	71	93	70	81	1	1.0	.1	.6	10.7	135	25.6	97	93	53	5	0	4	1
GREENSBORO	92	71	93	69	81	4	T	-1.0	T	11.9	132	22.9	88	92	49	0	0	0	0
KATYHAS	91	74	93	72	83	4	.0	-1.3	.0	11.4	114	30.2	97	82	32	7	0	0	0
NEW BERN	93	74	96	73	84	4	-.1	-1.5	.1	5.5	41	15.1	45	98	53	7	0	3	0
RALEIGH	93	74	94	73	84	5	.6	-.3	.6	11.1	132	27.8	107	89	29	7	0	1	1
WILMINGTON	90	73	91	72	81	1	.1	-1.6	.0	20.8	161	41.2	123	98	57	3	0	2	0
ND BISMARCK	83	56	92	50	70	-1	.1	-.3	.1	6.5	127	14.0	131	87	40	1	0	1	0
FARGO	83	58	90	52	71	-1	.0	-.6	.0	6.7	113	13.8	109	86	46	1	0	0	0
GRAND FORKS	82	56	88	53	69	0	.2	-.4	.2	12.1	202	16.8	146	85	42	0	0	1	0
WILLISTON	83	50	97	44	67	-5	T	-.4	T	4.9	105	10.1	105	88	35	3	0	0	0
OH AERON-CAMPON	86	68	91	64	77	5	1.3	.4	.6	7.1	90	24.6	110	91	56	3	0	3	1
CINCINNATI	91	70	95	66	80	5	4.4	3.5	3.5	9.4	108	30.1	115	88	50	3	0	3	2
CLEVELAND	88	70	93	65	79	8	1.2	.4	1.2	10.3	133	27.8	129	90	57	3	0	2	1
COLUMBUS	89	70	94	68	79	7	4.1	3.3	3.2	16.4	201	32.3	140	93	56	3	0	2	2
DAYTON	88	70	93	68	79	5	3.5	2.7	3.4	14.9	188	35.7	156	90	58	4	0	3	1

Based on 1961-90 normals.

Weather Data for the Week Ending August 5, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN, 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	82 AND BELOW	.01 INCH OR MORE
													90 AND ABOVE							
TOLEDO	91	69	97	64	80	8	.7	.0	.4	5.5	73	18.2	93	93	55	5	0	4	0	
YOUNGSTOWN	87	66	92	59	77	4	.3	.0	.2	6.7	79	19.5	87	94	57	3	0	3	0	
OK OKLAHOMA CITY	87	72	91	70	79	3	3.2	2.7	2.4	10.1	139	22.8	110	96	64	2	0	4	2	
TULSA	89	74	93	71	81	3	.8	.3	.5	13.1	165	33.2	137	96	60	3	0	4	1	
OR ASTORIA	70	54	71	49	62	1	.1	.2	.2	3.3	88	36.1	100	92	64	0	0	0	0	
BURNS	88	44	94	30	66	-1	1	.2	.2	1.1	80	9.0	160	71	15	5	1	0	0	
MEDFORD	97	56	100	45	76	2	.2	.0	.0	2.7	304	14.3	150	80	19	7	0	0	0	
FENDLETON	90	56	95	47	73	2	.0	.1	.0	2.5	230	11.3	162	74	34	4	0	0	0	
PORTLAND	85	58	91	52	72	2	.0	.2	.0	3.9	171	21.6	111	77	37	1	0	0	0	
SALEM	87	54	94	46	71	3	.3	.0	.0	1.8	92	24.9	119	87	32	3	0	0	0	
PA ALLENTOWN	91	69	95	61	80	7	.5	.5	.5	7.3	85	21.9	85	88	42	5	0	1	1	
ERIE	85	69	91	64	77	6	1.0	.2	.8	4.6	57	17.7	79	89	55	1	0	3	1	
HARRISBURG	92	72	95	64	82	6	.1	.6	.1	9.7	122	21.4	87	91	48	6	0	1	0	
PHILADELPHIA	94	76	98	72	86	6	.3	.7	.2	3.8	40	15.6	56	86	46	7	0	2	0	
PITTSBURGH	90	69	96	64	79	11	1.3	.5	.9	8.0	101	19.0	83	85	45	3	0	3	1	
SCRANTON	90	67	95	58	79	7	.3	.5	.2	4.9	59	14.0	64	88	46	5	0	2	0	
RI PROVIDENCE	88	68	96	63	78	5	2.4	.6	.7	5.4	76	20.5	77	87	48	4	0	3	2	
SC CHARLESTON	90	76	91	74	83	2	.4	-1.3	.2	12.9	89	24.4	76	91	61	4	0	3	0	
COLUMBIA	90	73	93	70	82	2	.3	-1.1	.3	18.9	167	34.4	109	90	53	5	0	3	0	
FLORENCE	91	73	93	72	82	2	.3	-1.0	.2	9.4	87	25.9	92	96	51	6	0	2	0	
GREENVILLE	91	71	95	69	81	3	.7	.3	.5	8.2	82	28.1	87	94	53	5	0	4	1	
SD ABERDEEN	79	58	85	48	69	-4	.2	.7	.7	4.9	69	16.1	115	89	51	0	0	0	0	
HURON	82	60	96	48	71	-4	2.8	2.3	1.7	7.0	110	22.7	161	91	59	1	0	5	1	
RAPID CITY	84	56	91	48	70	-3	.2	.4	.4	7.4	137	15.4	129	88	33	2	0	2	0	
SIoux FALLS	86	63	96	50	74	0	2.8	1.9	1.8	7.7	118	22.6	152	93	55	3	0	3	2	
TN CHATTANOOGA	90	71	94	70	81	2	.9	.0	.5	8.6	95	30.0	90	91	49	4	0	3	0	
KNOXVILLE	94	69	98	67	82	5	.9	.0	.7	5.0	55	26.9	89	93	44	7	0	4	1	
MEMPHIS	91	75	96	71	83	0	3.2	2.4	3.0	18.3	232	39.2	123	90	57	5	0	2	1	
TX ABILENE	83	70	92	69	77	3	1.0	.2	.9	7.5	92	30.4	103	94	55	6	0	3	1	
AMARILLO	84	63	94	58	74	-5	6.1	5.5	4.8	8.9	166	19.1	139	95	64	1	0	5	2	
AUSTIN	93	74	96	64	76	-2	.2	.5	.2	5.7	83	12.5	101	97	49	1	0	2	0	
BEADMONT	89	75	95	73	83	-2	3.4	3.0	2.4	6.4	106	23.3	122	97	53	6	0	4	2	
BROWNSVILLE	96	77	98	76	87	2	4.2	3.1	1.8	16.8	143	36.6	113	100	69	3	0	4	4	
CORPUS CHRISTI	96	76	98	74	86	1	.2	.4	.4	2.4	48	3.9	31	97	50	7	0	0	0	
DEL RIO	100	77	102	73	88	4	.6	.0	.3	3.6	57	14.5	91	91	51	7	0	3	0	
EL PASO	97	71	102	66	84	2	1.0	.4	1.0	2.2	44	8.2	57	80	37	7	0	2	1	
FORT WORTH	89	75	95	74	82	-1	.2	.3	.3	2.1	83	3.7	90	55	20	7	0	1	0	
GALVESTON	89	79	94	76	84	0	1.8	1.4	.9	6.7	116	30.3	138	92	63	4	0	3	2	
HOUSTON	91	76	98	73	83	0	.2	.9	.7	4.7	52	14.6	64	89	65	3	0	0	0	
LUBBOCK	84	68	94	64	76	-4	2.9	2.1	1.5	8.2	73	27.2	89	94	63	4	0	3	2	
MIDLAND	89	69	94	64	79	-2	1.2	.7	1.1	5.2	94	9.4	87	92	57	2	0	3	1	
SAN ANGELO	85	70	92	68	77	-2	.1	.3	.1	3.8	115	8.3	107	87	45	5	0	2	0	
SAN ANTONIO	96	75	99	74	85	0	2.6	2.3	1.0	4.5	124	15.7	142	92	63	1	0	5	2	
VICTORIA	96	75	98	74	85	2	.2	.2	.2	5.6	89	14.1	78	90	41	7	0	3	0	
WACO	91	74	95	72	82	-4	1.3	.5	1.0	5.0	53	17.5	70	94	44	7	0	2	1	
WICHITA FALLS	88	74	94	73	81	-4	1.9	1.6	1.8	4.1	75	24.8	128	95	54	5	0	2	1	
UT CEDAR CITY	94	57	96	51	75	1	4.0	3.6	2.0	9.9	167	19.8	104	93	64	3	0	3	2	
SALT LAKE CITY	93	61	99	52	77	-2	.0	.2	.0	1.6	90	7.8	119	45	13	7	0	0	0	
VT BURLINGTON	83	62	94	56	73	2	2.4	1.5	1.6	6.7	87	15.3	79	90	57	2	0	4	2	
VA NORFOLK	95	76	98	72	85	7	.0	-1.2	.0	6.3	65	19.7	72	85	42	7	0	0	0	
RICHMOND	96	72	97	70	84	5	.0	-1.1	.0	4.7	50	18.3	70	86	18	7	0	0	0	
ROANOKE	92	68	93	67	80	4	.2	-1.0	.2	12.7	163	28.5	118	91	48	7	0	0	0	
WA QUILLAYUTE	67	54	74	46	61	1	.2	.5	.2	5.8	96	48.0	84	97	64	0	0	2	0	
SEATTLE-TACOMA	79	57	85	52	68	1	.2	.2	.2	2.8	116	19.2	99	83	40	0	0	0	0	
SPOKANE	85	54	91	45	70	-1	.0	.2	.0	3.2	157	13.7	142	68	20	2	0	0	0	
YAKIMA	90	53	95	46	72	1	.0	-1.1	.0	1.3	178	5.8	134	67	28	4	0	0	0	
WV BECKLEY	86	65	87	63	76	6	.2	.9	.2	8.3	90	25.9	100	86	48	0	0	1	0	
CHARLESTON	91	68	93	65	80	4	1.1	.0	.8	8.9	96	29.4	112	97	47	6	0	2	1	
HUNTINGTON	92	69	95	66	80	6	2.0	1.0	1.8	10.0	108	29.4	110	95	49	6	0	4	1	
PARKERSBURG	93	69	95	65	81	6	.9	.1	.8	6.4	72	..	..	95	45	6	0	2	1	
WI GREEN BAY	86	63	96	59	75	5	.6	.2	.2	3.3	47	11.4	69	94	56	3	0	5	0	
LACROSSE	86	66	98	61	76	3	1.7	.8	..	..	..	19.0	104	96	56	2	0	3	0	
MADISON	85	67	93	63	76	4	.4	.4	.3	5.9	72	18.3	96	91	60	2	0	3	0	
MILWAUKEE	82	69	93	63	75	4	.3	.5	.1	3.8	52	15.1	78	95	68	1	0	3	0	
WASAU	84	61	94	57	73	3	3.2	2.3	1.6	8.9	104	15.2	81	93	51	2	0	4	3	
WY CASPER	88	52	93	44	70	-2	.1	-1.1	-1.1	4.1	142	14.3	166	83	19	4	0	1	0	
CHEYENNE	82	51	89	45	67	-2	.1	-1.3	.1	5.7	128	14.5	145	80	26	0	0	4	0	
LANDER	86	55	90	47	70	-1	.2	.2	.2	3.9	165	14.8	165	48	16	3	0	0	0	
SHERIDAN	86	51	92	43	69	-2	.2	.2	.2	4.5	139	12.3	126	79	26	3	0	0	0	
PR SAN JUAN	90	78	93	74	84	1	1.0	-.2	.7	10.5	115	31.4	120	86	62	4	0	3	1	

Based on 1961-90 normals.

# July Weather and Crop Summary

## Weather

July 10-16 showcased the hottest weather in 4 years or more across the central Plains and Corn Belt, and into the Northeast. In terms of agriculture, the most serious conditions encompassed the western Corn Belt, where highs on July 12-13 soared as high as 110°F. Ironically, planting delays from spring wetness left corn development far behind normal in the hottest areas. Soybeans, however, appeared more vulnerable, with a larger percentage of the crop in reproduction by mid-July. Soothing rains arrived after mid-month in many areas of the Corn Belt, but serious topsoil-moisture shortages persisted in an area centered on eastern Nebraska. Although heat (95 to 100°F) again stressed crops in the western Corn Belt on July 27-29, the remainder of the Midwest enjoyed favorable temperatures and widespread, but variable, rainfall.

Nearly continuous heat and scant rainfall described the month's weather in a belt from the central Gulf Coast to the Ohio Valley and Middle Atlantic region. The month ended with record-setting streaks of 90-degree heat in progress in Baltimore, MD (25 days, from July 12 - August 5; formerly 21 days, from July 29 - August 18, 1988), Richmond, VA (27 days, from July 11 - August 6; formerly 19 days, from July 3 - 21, 1993), and Raleigh, NC (24 days, from July 14 - August 6; formerly 19 days, from July 4 - 22, 1977). In addition, Philadelphia, PA attained the 90-degree mark 21 times, tying their mark set in 1988, and experienced their second-hottest July (81.5°F), behind only 1994. It was the hottest July on record in Baltimore (81.5°F), surpassing 1955. Several locations observed their driest July on record, including Toledo, OH (0.34 inches), Bristol, TN (0.67 inches), and Knoxville, TN (0.33 inches). Dryness also prevailed in the Southwest, where the summer "wet-season" rains failed to materialize. July rainfall was more than 2 inches below normal in Arizona at Flagstaff and Prescott. With hot weather and little rainfall, drought intensified in the New Mexico Plains and areas of Texas adjacent to Mexico. At month's end, however, Tropical Storm Dean made landfall near Galveston, TX, spreading beneficial heavy rainfall inland as far as the Texas-New Mexico border and easing topsoil-moisture shortages in northern Texas.

The second half of July featured drought-easing rains in parts of the Northeast, though long-term moisture deficits persisted. Elsewhere across the North, the same jet-stream energy that--with the exception of 1 week--kept heat at bay across the Midwest also delivered above-normal precipitation. Nearly 9 inches of rain pelted Grand Forks, ND during the month. Cold fronts driven southward by jet-stream fluctuations supplied above-normal moisture to parts of the central Plains and lower Mississippi Valley. Cool air in the wake of frontal passages held temperatures as much as 4°F below normal from the Great Basin to the central High Plains. Elsewhere, the Florida Peninsula spent much of the month underneath a fetch of sub-tropical moisture, contributing to heavy rainfall and some flooding.

## Fieldwork

Hot summer weather prevailed over most of the Central States during July with record-breaking temperatures stressing crops and depleting soil moisture supplies. July started with abundant soil moisture except for the Southeast, but soil moisture was short by the end of the month. Late-planted row crops in the Midwest entered the pollination stage after the heat-wave arrived. Crop development started July behind the average and, despite significant progress due to the warm weather, finished the month behind normal. The month concluded with heavy rains from two tropical storm systems bringing much-needed moisture to the Central and Eastern States.

Early July began with hot, humid weather and persistent showers over most of the Eastern United States, limiting fieldwork. The rainfall slowed the small grain harvest but boosted row crop growth in the Midwest. The wet field conditions prevented farmers from spraying or cultivating fields, resulting in insect and weed problems. Some fields remained unplanted in the northern Great Plains, where the dry, baked topsoil hampered emergence.

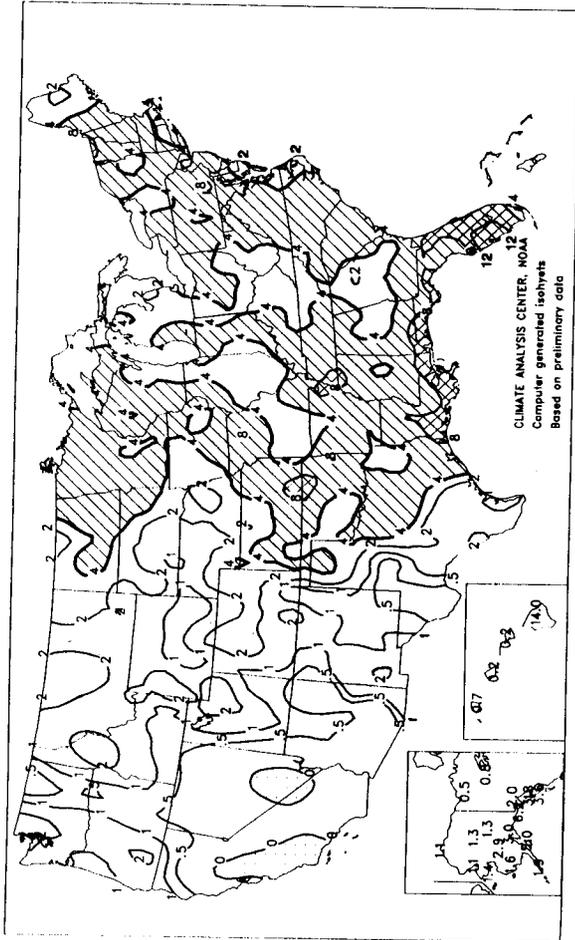
The record-breaking heat wave that started in the central Plains and crossed the Nation early in July stressed row crops. High temperatures across the Corn Belt raised concern for fields beginning to tassel and silk. Midwestern States started July with adequate soil moisture that sustained the crops through some of the hottest weather in years. Late-planted row crops with shallow roots were adversely affected by the high temperatures. The hot, dry weather rapidly ripened small grains and spurred the wheat harvest. Cool weather in the Western States slowed crop development.

Mid-July brought hot weather across the southern half of the Nation, further depleting soil moisture levels and lowering crop condition ratings. In the Corn Belt, hot weather and dry soils were offset by widespread showers and cooler weather that brought relief to some areas. Continued hot weather increased moisture needs, lowering soil moisture levels in the Southeast and forcing producers to irrigate. Row crop development increased significantly as a result of the continued hot weather but remained behind the average for mid-July. Variability of crop growth and development caused by the heat wave raised producers concern. Favorable weather in the Pacific Northwest allowed harvest activity to make good progress.

The month ended with beneficial rains that allowed crops in the central Corn Belt to tolerate the heat. The rain improved crop condition in portions of the Great Plains and Corn Belt, but condition varied widely as the scattered showers left some dry pockets. Crop progress advanced rapidly but continued to lag behind normal across much of the Midwest. The hot weather accelerated crop development in fields with adequate soil moisture. Continued hot summer weather increased crop moisture needs, lowering soil moisture levels across the Nation. Crops in the Central States were beginning to show signs of heat stress, raising producers' concern for crops in the pollination phase. In the Pacific Northwest, favorable weather allowed harvest activity to make good progress. July ended with Tropical Storm Dean bringing much-needed rains to the Texas Coastal region.

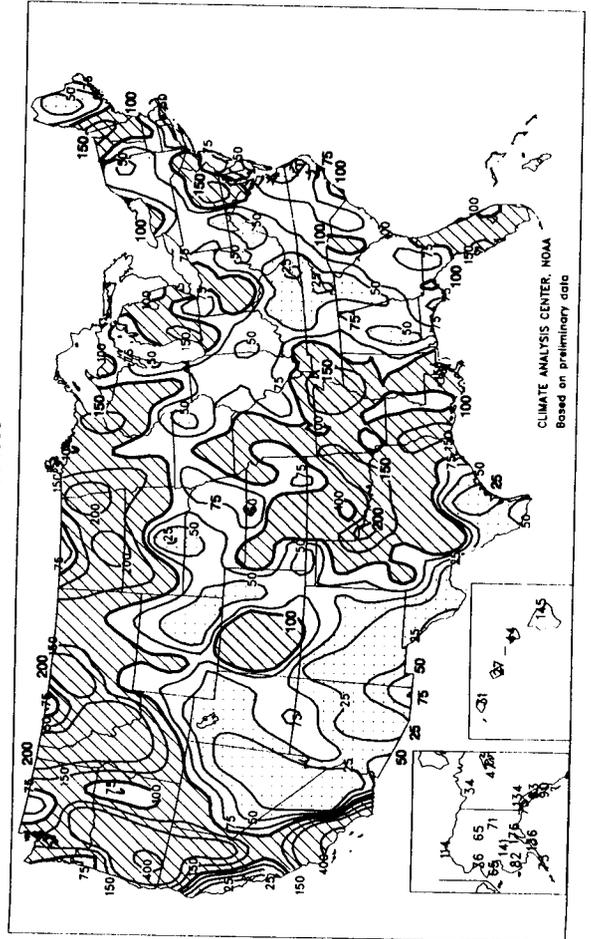
Total Precipitation (inches)

JUL 1995



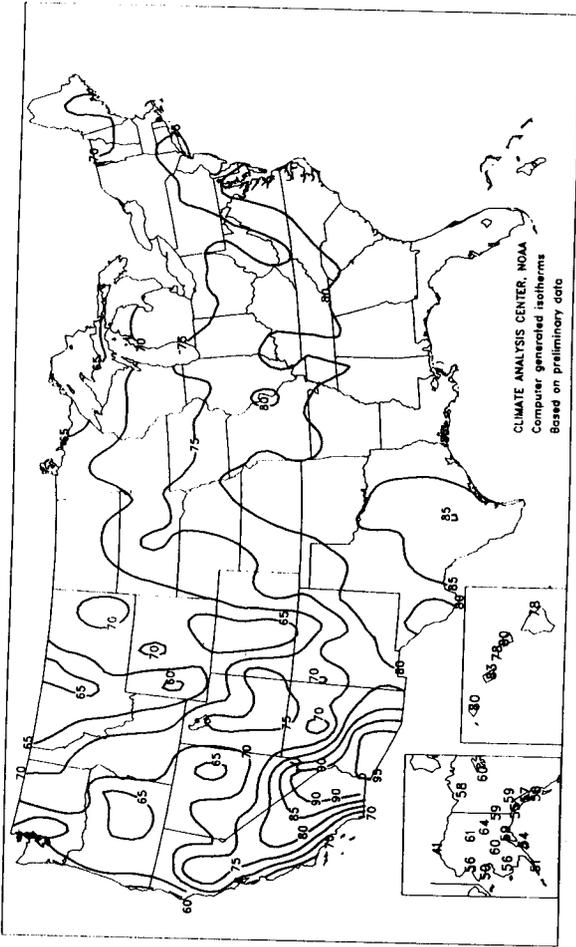
Percent Of Normal Precipitation

JUL 1995



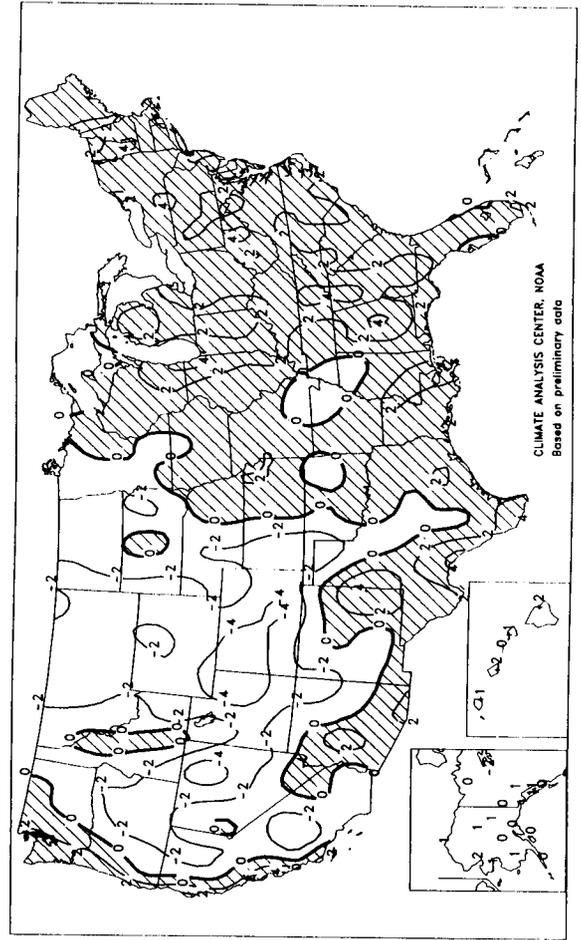
Average Temperature (°F)

JUL 1995



Departure of Average Temperature from Normal (°F)

JUL 1995



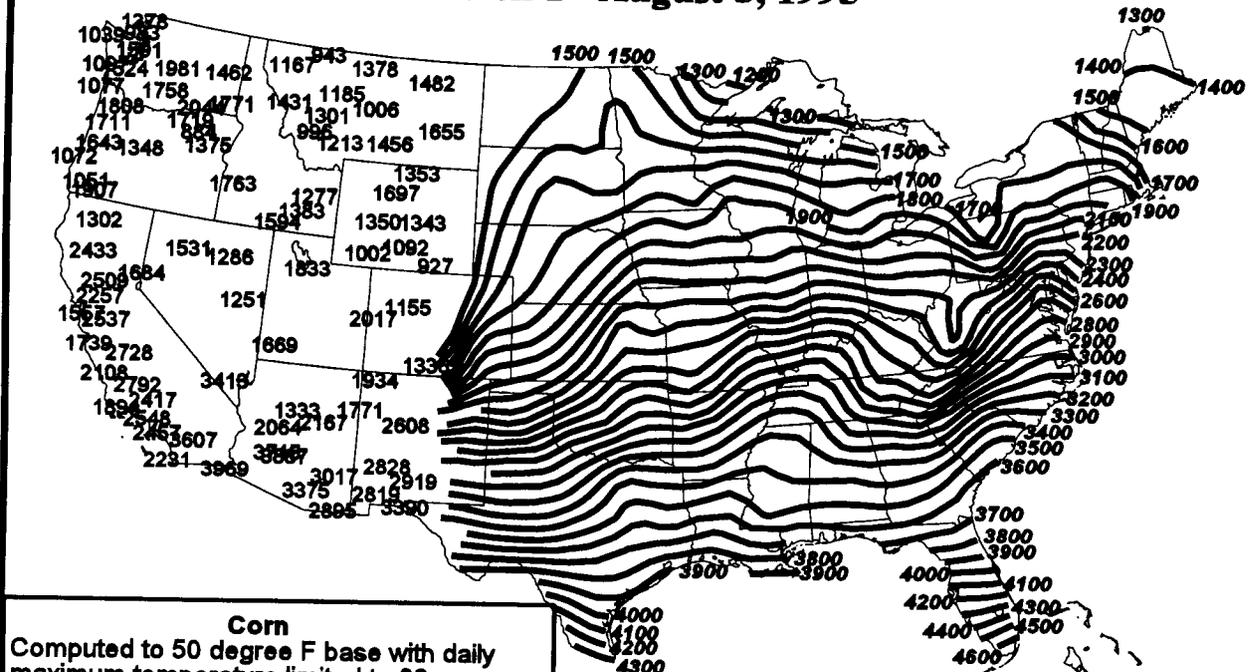
# TEMPERATURE AND PRECIPITATION SUMMARY

## July 1995

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	83	3	1.8	-3.5	LA BATON ROUGE	83	1	2.2	-4.6	OK YOUNGSTOWN	73	3	3.2	-0.9
AL HUNTSVILLE	79	0	3.6	-1.3	LA LAKE CHARLES	85	3	9.8	4.6	OK OKLAHOMA CITY	81	-1	2.1	-0.5
AL MOBILE	83	0	4.6	-2.2	LA NEW ORLEANS	84	2	6.4	0.3	OK TULSA	83	-1	2.6	-0.5
AK ANCHORAGE	83	3	1.6	-3.9	ME SHERBROOK	84	2	5.7	1.9	OR ASTORIA	62	3	0.6	-0.6
AK FAIRBANKS	59	1	3.0	1.3	ME CARIBOU	69	4	1.5	-2.5	OR BURNS	64	-2	0.4	0.0
AK JUNEAU	41	1	1.1	0.1	ME PORTLAND	70	2	3.1	0.0	OR MEDFORD	73	0	1.2	0.9
AK KODIAK	54	1	1.3	-0.6	MD BALTIMORE	81	4	3.7	0.0	OR PORTLAND	72	-1	0.2	-0.1
AK NOME	57	1	3.8	-0.3	MD SALISBURY	81	4	1.2	-3.1	OR SALEM	71	2	1.2	0.6
AZ FLAGSTAFF	50	-2	1.4	-0.8	MA BOSTON	76	2	2.1	-0.8	PA ALLENTOWN	68	2	0.4	-0.2
AZ PHOENIX	95	1	T	-0.8	MA CHESTER	76	2	2.1	-0.8	PA HARRISBURG	76	2	5.3	1.2
AZ PRESCOTT	76	3	0.2	-3.0	MI ALPENA	69	1	3.0	0.0	PA PHILADELPHIA	74	2	2.2	-1.2
AZ TUCSON	88	2	T	-2.3	MI DETROIT	75	2	1.8	-1.3	PA PITTSBURGH	78	2	5.5	2.0
AZ WINSLOW	77	-1	0.3	-0.9	MI FLINT	72	2	2.6	-0.1	PA SCRANTON	81	6	2.9	-1.8
AR FORT SMITH	95	1	0.2	0.0	MI GRAND RAPIDS	72	1	6.1	2.9	PA WILLIAMSPORT	76	3	3.0	-0.7
AR LITTLE ROCK	82	0	4.2	1.2	MI HOGGTON LAKE	71	4	2.5	-0.1	RI PROVIDENCE	75	3	3.2	-0.6
CA BAKERSFIELD	81	-3	T	0.0	MI LANSING	71	0	2.0	-0.6	RI CHARLESTON	76	3	1.2	-2.0
CA BISHOP	60	3	0.1	0.0	MI MARQUETTE	68	0	3.9	1.0	SC COLUMBIA	83	2	5.8	-1.1
CA BURKE	81	-1	T	0.0	MI MERRIMON	64	0	3.6	0.9	SC FLORENCE	83	3	7.4	2.4
CA FRESNO	68	-1	0.1	0.0	MI SAGINAW	70	-1	5.2	2.1	SC FLORENCE	82	4	2.7	-2.0
CA REDDING	80	-1	T	-0.2	MI ST. CLOUD	67	1	6.3	2.7	SD ABERDEEN	71	-1	3.5	0.3
CA SACRAMENTO	74	-2	T	0.0	MI ST. CLOUD	70	0	2.3	-0.8	SD HURON	73	-1	2.8	0.1
CA SAN DIEGO	69	-2	T	0.0	MS GREENWOOD	83	2	3.6	-0.7	SD RAPID CITY	71	-1	2.9	0.8
CA SAN FRANCISCO	65	2	T	0.0	MS JACKSON	83	2	5.3	1.2	SD SIOUX FALLS	75	1	2.6	-0.1
CA SANTA MARIA	64	1	T	0.0	MS MERIDIAN	82	1	1.9	-3.3	TX BRISTOL	77	3	0.7	-3.7
CO ALAMOSA	62	-3	0.9	0.3	MS TOPEKA	80	-1	1.8	-2.5	TX CHATTANOOGA	81	2	4.2	-0.6
CO CO. SPRINGS	67	-4	1.7	-1.2	MO CAPE GIRARDEAU	80	0	4.8	1.2	TX KNOXVILLE	80	3	0.3	-4.3
CO DENVER	71	-2	2.3	0.4	MO COLUMBIA	78	1	4.8	1.1	TX MARSHVILLE	81	-2	8.5	4.7
CO GRAND JUNCTION	76	-4	0.9	0.2	MO KANSAS CITY	78	0	4.6	0.2	TX MCKINNEY	81	1	1.9	-2.1
CO FORT COCKER	72	-5	1.2	-0.9	MO SAINT LOUIS	81	2	2.2	-1.7	TX AMARILLO	83	-1	2.1	0.0
CT BRIDGEPORT	77	4	1.3	-2.4	MO SPRINGFIELD	78	0	3.0	0.0	TX AUSTIN	84	0	0.6	-1.4
CT HARTFORD	76	3	2.6	-0.6	MT BILLINGS	69	-3	1.1	0.2	TX BRAUNSVILLE	83	0	5.7	0.3
DC WASHINGTON	81	2	4.0	0.2	MT GLASGOW	68	-2	2.0	0.3	TX BRUNSWICK	85	1	T	-1.9
FL PANAMA CITY	81	1	3.4	-5.7	MT GREAT FALLS	64	-4	3.2	2.0	TX COMPTON CHRISTI	85	1	0.2	-2.2
FL DAYTONA BEACH	81	0	6.6	1.2	MT HAVER	66	-4	3.0	1.6	TX DEL RIO	88	4	0.1	-1.8
FL FT. MYERS	83	0	9.1	0.9	MT HELENA	66	-3	1.5	0.4	TX EL PASO	83	1	0.3	-1.2
FL JACKSONVILLE	83	1	9.4	3.6	MT KALISPELL	63	-1	1.4	0.2	TX FORT WORTH	85	2	3.6	1.4
FL KEY WEST	85	0	2.8	-0.8	MT MILES CITY	72	-2	1.4	-0.2	TX GALVESTON	86	3	T	-3.9
FL MIAMI	84	2	6.4	0.7	MT MISSOULA	67	0	1.8	0.9	TX HARlingen	85	-	2.7	-1.8
FL ORLANDO	82	0	5.4	-1.8	NE GRAND ISLAND	77	1	2.9	0.1	TX LARDO	83	3	0.9	-1.5
FL TALLAHASSEE	83	2	9.6	0.8	NE LINCOLN	79	0	1.7	-1.5	TX LUBBOCK	83	2	2.3	0.6
FL TAMPA	83	1	10.1	3.5	NE MORFOLK	76	1	2.3	-0.9	TX MIDLAND	84	2	0.2	-0.9
FL WEST PALM BEACH	82	0	5.8	-0.3	NE NORTH PLATTE	79	0	2.0	-1.0	TX SAN ANGELO	84	-1	0.8	-1.4
GA ATHENS	82	2	2.3	-2.6	NE OMAHA	74	2	2.8	-0.7	TX SAN ANTONIO	85	2	1.0	-3.3
GA ATLANTA	84	5	0.6	-4.4	NE SCOTTSDALE	72	-2	0.8	-1.3	TX WACO	84	-1	3.0	1.0
GA AUGUSTA	81	1	3.8	-0.4	NE VALENTINE	74	-1	1.9	-1.5	TX WICHITA FALLS	85	1	2.9	1.1
GA MACON	83	2	6.4	2.1	NE WELLS	65	-5	-	-	UT BLANDING	85	-	-	-
GA SAVANNAH	84	2	6.7	0.3	NE WY	65	-2	T	-0.7	UT CEDAR CITY	73	-1	0.0	-1.1
HI HILO	78	2	14.0	4.3	NE LAS VEGAS	92	1	T	-0.4	UT SALT LAKE CITY	76	-2	0.3	-0.5
HI HONOLULU	83	3	0.2	-0.4	NE RENO	72	0	0.2	-0.1	VT BURLINGTON	74	4	3.5	-0.2
HI KAHULUI	80	2	0.2	-0.2	NE WIDENMUCCA	70	-2	0.3	0.0	VA LYNCHBURG	78	2	4.8	0.7
HI LIHUE	80	1	0.6	-1.5	NE WY	73	3	4.0	0.8	VA NORFOLK	83	5	1.8	-3.3
ID BOISE	73	-1	0.6	0.2	NJ ATLANTIC CITY	77	2	2.1	-1.7	VA RICHMOND	81	3	2.9	-2.1
ID LEWISTON	73	-1	1.0	0.4	NM ALBUQUERQUE	80	1	0.4	-1.0	VA ROANOKE	77	1	2.3	-1.6
ID POCATELLO	67	-3	0.4	-0.3	NM CLOVIS	80	3	1.6	-0.9	WA COLVILLE	81	-	-	-
IL CAIRO	77	-	-	-	NM ROSWELL	83	2	0.5	-1.2	WA QUILLAYUTE	61	2	2.4	-0.1
IL CHICAGO	78	4	3.2	-0.4	NY ALBANY	74	2	2.2	-1.0	WA SEATTLE-TACOMA	67	2	1.4	0.6
IL MOLINE	76	1	3.1	-1.9	NY BINGHAMTON	72	3	2.1	-1.4	WA SPOKANE	68	-1	1.1	0.4
IL PEORIA	76	1	2.8	-1.4	NY BUFFALO	73	1	2.4	-0.7	WA WALLA WALLA	76	1	-	-
IL QUINCY	77	0	0.9	-3.6	NY NEW YORK	80	3	5.6	1.5	WA YAKIMA	69	-1	0.7	0.5
IL ROCKFORD	74	1	2.3	-1.8	NY ROCHESTER	73	3	3.9	1.1	WV BECKLEY	72	3	2.7	-2.0
IL SPRINGFIELD	78	2	2.7	-0.8	NY SYRACUSE	73	3	2.0	-1.8	WV CHARLESTON	76	1	3.0	-2.0
IN EVANSVILLE	81	2	2.9	-1.6	NC ASHEVILLE	75	2	3.6	-1.1	WV ELKINS	72	4	1.7	-2.9
IN FORT WAYNE	75	1	2.1	-1.4	NC CHARLOTTE	80	1	4.6	0.7	WV HUNTINGTON	77	3	1.7	-3.3
IN INDIANAPOLIS	76	1	2.6	-1.8	NC GREENSBORO	79	3	2.4	-2.1	WV PARKERSBURG	76	2	1.3	-3.1
IN SOUTH BEND	75	2	6.5	2.7	NC HATTERAS	82	4	2.3	-2.7	WI GREEN BAY	73	3	1.2	-2.0
IA DES MOINES	76	1	4.4	0.4	NC NEW BERN	82	3	2.9	-4.1	WI LACROSSE	76	2	3.8	0.1
IA DUBUQUE	73	1	2.5	-1.5	NC RALEIGH	80	2	3.3	-0.7	WI MADISON	75	3	4.4	0.5
IA SIOUX CITY	75	-1	1.3	-1.9	NC WILMINGTON	81	2	7.3	0.4	WI MILWAUKEE	74	3	2.1	-1.3
IA WATERLOO	74	1	1.5	-3.4	ND BISMARCK	69	-1	5.0	2.9	WI WAUSAU	71	1	5.3	1.4
KS CONCORDIA	79	0	1.6	-2.1	ND FARGO	70	-1	5.2	2.6	WY CASPER	69	-2	0.4	-0.8
KS DODGE CITY	78	-2	1.4	-1.9	ND GRAND FORKS	69	0	8.9	6.2	WY CHEYENNE	68	0	1.1	-1.0
KS GOODLAND	74	-2	3.9	1.0	ND WILLISTON	69	-2	3.5	1.4	WY LANDER	69	-2	1.3	0.4
KS TOPEKA	80	2	5.1	1.5	OH AKRON-CANTON	73	2	2.1	-2.0	WY SHERIDAN	68	-2	0.7	-0.1
KS WICHITA	80	0	4.5	0.9	OH CINCINNATI	76	1	2.4	-1.9	WY SAM JUAN	84	2	4.9	0.6
KY BOWLING GREEN	80	2	1.6	-3.1	OH CLEVELAND	75	4	5.4	1.8					
KY JACKSON	78	4	1.4	-3.7	OH COLUMBUS	76	3	7.0	3.2					
KY LEXINGTON	77	1	1.3	-3.7	OH DAYTON	76	2	5.8	2.3					
KY LOUISVILLE	80	3	2.5	-2.0	OH MANSFIELD	74	2	-	-					
KY PADUCAH	80	1	3.3	-0.9	OH TOLEDO	76	4	0.3	-2.9					

Based on 1961-90 normals.

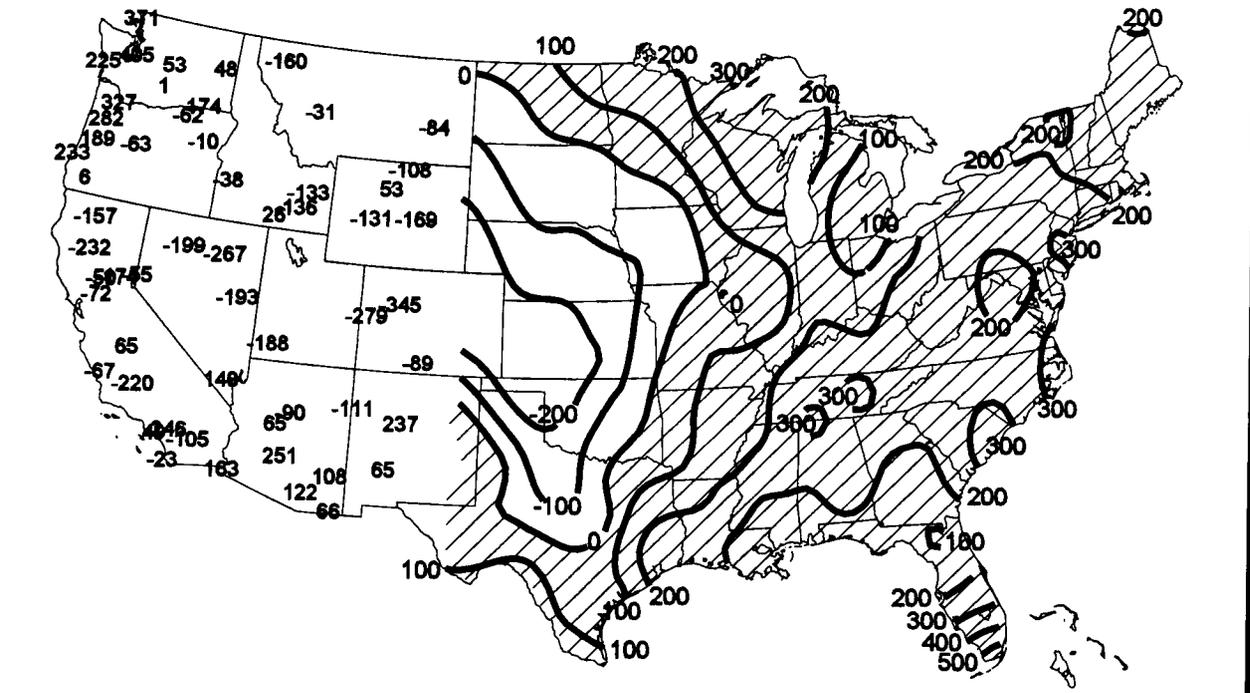
### Total Growing Degree Days March 1 - August 5, 1995



**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 5, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY  
 Based on preliminary data

## National Agricultural Summary

July 31 - August 6, 1995

**HIGHLIGHTS:** Crop conditions improved slightly due to beneficial rains that fell across the eastern-half of the Nation late in the week. Remnants of Hurricane Erin reached the Ohio Valley by the weekend and restored soil moisture supplies. Much-needed rains from Tropical Storm Dean improved dryland crop prospects in the southern Great Plains and middle Mississippi Valley. Soil moisture was restored by the rains but varied drastically across the major growing regions and remained adequate to short for most of the Midwest. Warm weather and adequate rains in the Central and Eastern States triggered significant development for row crops but most remained behind normal due to the late-spring planting. Dry conditions in the Mid-Atlantic region forced some producers to irrigate crops. Favorable weather in the Pacific Northwest allowed harvest activity to make good progress. Citrus producers drained excessive water produced by Hurricane Erin, but only minor amounts of grapefruit were reported lost.

The **winter wheat** crop in the 19 major producing States was 88 percent (%) harvested, 1 percentage point behind the 5-year average. Continued hot weather accelerated wheat maturity and brought the wheat harvest closer to completion in the Midwest. The wheat harvest advanced over 40 points in Oregon to 60% complete, 10 points ahead of the average, while Washington at 40% complete was 11 points behind normal. Hessian fly damage and some wheat shatter in standing grain was reported in Washington, with average yields reported. Harvest activity slowed slightly in the Great Lakes region due to the rain.

**Spring wheat** condition was rated as good to fair with 5% of the acreage harvested, 9 points behind normal. Small grain development in South Dakota advanced rapidly with 10% of the acreage harvested, 31 points behind normal.

**Corn** condition for the 17 major producing States was in mostly good to fair condition, up slightly from last week but below last year's condition. Corn silking reached 81% complete, 3 points behind normal. Fourteen percent of the acreage had reached the doughing stage, 15 points behind the average. In the Corn Belt, stress from the summer heat and dry soil conditions was alleviated by rains related to Tropical Storm Dean and Hurricane Erin. Corn silking in Kansas and Nebraska was 23 points behind normal, while Wisconsin was 23 points ahead of the average for silking. In Colorado, corn silking at 34% complete was 36 points behind the average, raising producers concern for time remaining in the growing season. Corn doughing was behind the average by 13 points in Colorado, Ohio, and South Dakota. Hot weather in North Carolina dried down the corn quickly.

**Cotton** setting bolls was 82% complete, up 10 points from last week and 1 point ahead of the average for the Nation. Cotton condition improved in Georgia from a week ago due to the much-needed rains. Cotton progress in Arizona made rapid progress due to the heat, but caused condition to decline. Cot-

ton grew rapidly in California as temperatures warmed. Cotton fields in the Delta and Southeast were sprayed for insects. In Texas, many dryland fields stressed from the hot, dry weather were aided by rains produced by Tropical Storm Dean. Bolls opening in Texas at 15% was 4 points ahead of the average.

**Sorghum** condition slightly improved as the crop rated mostly good to fair with 38% of the sorghum acres headed, 16 points behind normal. Sorghum development in the Midwest lagged behind normal due to continued hot, dry weather, but benefited from the recent rains. Sorghum headed in Illinois was 50 points behind the average, while Nebraska was 39 points behind normal. Almost one-fourth of the sorghum acreage was turning color. Sorghum coloring in Arkansas and Illinois was 10 points behind the average. Sorghum condition improved in Colorado and South Dakota, but declined in Nebraska and New Mexico.

**Rice** condition was mostly good with 62% of the crop headed, 14 points ahead of the average. Rice fields in California were fertilized and treated for weeds. Rice producers in Arkansas were treating fields for black sheath rot and rice blast. Rice headed in Arkansas was 59% complete, up from last week by 26 points and ahead of the average by 24 points. The rice harvest in Louisiana slowed due to rains, but reached 32% complete, 9 points ahead of the average. Rice condition improved in Texas, where harvest activity was 11% complete, 8 points behind normal.

**Soybean** condition was mostly good to fair with 76% of the crop blooming, 3 points behind the average. Soybean blooming was over 20 points behind the average in Kansas and Missouri. Heat stressed the soybean crop early in the week, but the beneficial rains in the Southern and Midwestern States improved soybean condition. Soybean producers in the Southeast were spraying soybean fields for insects. Over a third of the acreage was setting pods, lagging the average by 12 points. Soybeans acreage setting pods in Illinois, Kansas, and Missouri was over 30 points behind the average.

# Crop Progress and Condition

Week Ending August 6, 1995

## Soybeans Percent Blooming

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AL	65	52	66	59
AR	61	42	66	50
GA	75	65	75	69
IL	76	52	93	88
IN	85	72	96	92
IA	90	77	100	88
KS	48	23	89	74
KY	57	43	74	69
LA	90	75	89	74
MI	95	81	77	77
MN	96	89	99	86
MS	86	77	85	65
MO	33	17	85	70
NE	72	56	97	87
NC	49	35	52	47
OH	95	75	96	90
SC	53	34	46	49
SD	73	50	90	74
TN	60	49	66	54
ALL	76	60	89	79

These 19 States produced 94% of the 1994 soybean crop.

## Soybeans Percent Setting Pods

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AL	39	NA	39	32
AR	23	NA	39	23
GA	40	NA	44	38
IL	21	NA	66	58
IN	34	NA	65	50
IA	55	NA	89	59
KS	6	NA	56	42
KY	23	NA	34	26
LA	66	NA	63	48
MI	52	NA	46	29
MN	58	NA	83	50
MS	54	NA	49	35
MO	5	NA	48	38
NE	16	NA	84	44
NC	21	NA	28	22
OH	56	NA	62	59
SC	28	NA	17	20
SD	23	NA	67	47
TN	32	NA	28	22
ALL	35	NA	64	47

These 19 States produced 94% of the 1994 soybean crop.

## Corn Percent Silking

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
CO	34	5	80	70
GA	100	100	100	100
IL	88	72	99	94
IN	87	68	98	93
IA	85	60	100	83
KS	73	45	100	96
KY	93	85	100	96
MI	86	71	79	73
MN	85	65	96	71
MO	56	41	97	87
NE	67	31	99	90
NC	97	96	100	98
OH	84	65	95	88
PA	81	60	69	64
SD	52	9	90	65
TX	98	93	94	96
WI	86	57	86	63
ALL	81	58	96	84

These 17 States produced 91% of the 1994 corn crop.

## Corn Percent Dough

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
CO	0	NA	14	13
GA	100	NA	100	99
IL	19	NA	51	46
IN	22	NA	39	37
IA	0	NA	28	14
KS	13	NA	57	51
KY	55	NA	50	47
MI	1	NA	3	3
MN	0	NA	8	6
MO	21	NA	66	53
NE	0	NA	61	29
NC	88	NA	85	82
OH	20	NA	32	33
PA	20	NA	4	9
SD	0	NA	21	13
TX	81	NA	78	80
WI	12	NA	16	12
ALL	14	NA	38	29

These 17 States produced 91% of the 1994 corn crop.

## Cotton Percent Setting Bolls

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AL	98	89	84	89
AZ	95	77	100	99
AR	96	94	93	95
CA	85	75	94	94
GA	98	94	98	97
LA	100	100	99	94
MS	100	97	99	92
MO	96	85	96	96
NM	53	53	90	83
NC	85	79	85	83
OK	55	42	81	64
SC	84	73	78	87
TN	98	90	98	90
TX	65	50	74	66
ALL	82	72	86	81

These 14 States produced 99% of the 1994 cotton crop.

## Cotton Percent Bolls Opening

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AL	1	NA	1	2
AZ	13	NA	27	22
AR	0	NA	0	0
CA	1	NA	2	2
GA	5	NA	1	2
LA	3	NA	1	2
MS	1	NA	1	1
MO	0	NA	0	0
NM	0	NA	0	0
NC	0	NA	1	2
OK	0	NA	1	0
SC	0	NA	1	1
TN	0	NA	0	1
TX	15	NA	14	11
ALL	7	NA	7	6

These 14 States produced 99% of the 1994 cotton crop.

# Crop Progress and Condition

Week Ending August 6, 1995

## Sorghum Percent Headed

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AR	88	80	89	75
CO	7	0	44	27
IL	7	3	70	57
KS	10	2	63	34
LA	95	85	97	92
MS	92	87	98	85
MO	35	27	77	61
NE	7	2	88	46
NM	15	13	21	36
OK	28	15	64	44
SD	12	10	53	28
TX	87	85	86	80
ALL	38	33	74	54

These 12 States produced 98% of the 1994 sorghum crop.

## Sorghum Percent Coloring

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AR	20	7	49	30
CO	0	0	0	0
IL	0	0	14	10
KS	0	0	4	3
LA	59	35	61	56
MS	44	30	54	47
MO	5	0	21	13
NE	0	0	1	1
NM	0	0	0	1
OK	5	3	17	12
SD	0	0	4	2
TX	74	72	68	65
ALL	24	22	26	24

These 12 States produced 98% of the 1994 sorghum crop.

## Spring Wheat Percent Harvested

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
ID	1	NA	17	14
MN	19	NA	19	17
MT	0	NA	4	3
ND	3	NA	7	11
SD	10	NA	62	41
ALL	5	NA	15	14

These 5 States produced 98% of the 1994 spring wheat crop.

## Rice Percent Headed

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AR	59	33	70	35
CA	3	2	9	12
LA	88	77	80	78
MS	80	64	77	60
TX	89	84	95	86
ALL	62	45	66	48

These 5 States produced 96% of the 1994 rice crop.

## Rice Percent Harvested

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AR	0	0	0	0
CA	0	0	0	0
LA	32	23	23	23
MS	0	0	0	0
TX	11	10	24	19
ALL	7	6	7	7

These 5 States produced 96% of the 1994 rice crop.

## Winter Wheat Percent Harvested

	Aug 06 1995	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	96	83	99	94
GA	100	100	100	100
ID	14	7	43	29
IL	100	99	99	98
IN	100	100	100	99
KS	100	100	100	99
MI	98	88	93	93
MO	100	100	100	98
MT	2	1	43	20
NE	97	84	100	95
NC	98	95	100	100
OH	100	100	100	100
OK	100	100	100	100
OR	66	23	72	56
SD	94	46	98	78
TX	100	98	100	100
WA	40	24	75	51
ALL	88	83	94	89

These 19 States produced 92% of the 1994 winter wheat crop.

## Soybeans Crop Condition by Percent

State	VP	P	F	G	EX
AL	1	10	73	16	0
AR	1	3	21	60	15
GA	0	7	46	47	0
IL	1	10	36	47	6
IN	1	8	36	47	8
IA	1	7	27	51	14
KS	0	4	29	63	4
KY	0	4	32	56	8
LA	0	9	29	57	5
MI	2	5	21	49	23
MN	2	5	30	46	17
MS	2	7	33	49	9
MO	1	16	42	37	4
NE	2	16	49	31	2
NC	1	7	39	44	9
OH	1	7	27	50	15
SC	0	0	11	78	11
SD	2	7	32	48	11
TN	0	1	21	56	22
ALL	1	8	32	49	10
Prev Wk	1	9	33	47	10
Prev Yr	0	2	19	63	16

## Spring Wheat Crop Condition by Percent

State	VP	P	F	G	EX
ID	0	1	7	73	19
MN	3	17	56	24	0
MT	1	2	14	55	28
ND	2	8	30	56	4
SD	1	4	45	48	2
ALL	2	7	32	51	8
Prev Wk	1	9	27	52	11
Prev Yr	2	7	33	50	8

## Rice Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	2	19	60	19
CA	0	0	20	80	0
LA	0	2	22	63	13
MS	0	3	35	52	10
TX	0	0	0	56	44
ALL	0	2	19	62	17
Prev Wk	0	2	18	62	18
Prev Yr	0	0	18	78	4

# Crop Progress and Condition

Week Ending August 6, 1995

Corn Crop Condition by Percent					
State	VP	P	F	G	EX
CO	1	5	22	61	11
GA	1	2	56	41	0
IL	2	9	33	51	5
IN	1	9	34	49	7
IA	1	6	23	54	16
KS	0	3	25	67	5
KY	2	7	34	48	9
MI	1	5	19	51	24
MN	1	3	20	51	25
MO	1	12	40	37	10
NE	1	12	34	49	4
NC	2	5	16	54	23
OH	2	8	25	49	16
PA	2	5	21	47	25
SD	1	9	34	45	11
TX	1	5	19	54	21
WI	1	4	17	60	18
ALL	1	7	28	51	13
Prev Wk	2	7	30	48	13
Prev Yr	0	2	14	59	25

Cotton Crop Condition by Percent					
State	VP	P	F	G	EX
AL	6	14	64	15	1
AZ	1	31	28	24	16
AR	0	3	17	59	21
CA	0	0	5	90	5
GA	0	10	48	42	0
LA	0	1	27	66	6
MS	1	6	23	58	12
MO	1	4	28	45	22
NM	0	4	34	60	2
NC	5	11	35	40	9
OK	3	11	28	56	2
SC	0	0	36	53	11
TN	0	0	14	49	37
TX	10	10	37	32	11
ALL	5	8	31	45	13
Prev Wk	2	9	30	48	11
Prev Yr	0	7	33	50	10

Sorghum Crop Condition by Percent					
State	VP	P	F	G	EX
AR	0	3	23	61	13
CO	0	5	22	61	12
IL	2	8	35	52	3
KS	0	1	20	73	6
LA	0	7	27	63	3
MS	0	1	36	55	8
MO	0	6	42	46	6
NE	3	11	60	23	3
NM	37	11	35	17	0
OK	0	3	11	84	2
SD	2	8	37	48	5
TX	1	5	25	49	20
ALL	2	5	30	53	10
Prev Wk	1	6	34	49	10
Prev Yr	0	5	26	60	9

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

Pasture and Range Crop Condition by Percent											
State	VP	P	F	G	EX	State	VP	P	F	G	EX
AL	17	24	38	20	1	NH	0	21	65	14	0
AZ	4	28	34	27	7	NJ	0	0	60	40	0
AR	1	8	39	43	9	NM	9	36	40	11	4
CA	0	15	30	45	10	NY	10	60	20	10	0
CO	0	5	25	55	15	NC	0	4	28	64	4
CT	2	9	77	12	0	ND	1	2	17	60	20
DE	2	20	65	13	0	OH	4	11	33	44	8
FL	0	30	30	35	5	OK	0	3	25	62	10
GA	3	26	37	33	1	OR	0	0	29	46	25
ID	0	3	18	64	15	PA	7	19	45	26	3
IL	3	11	30	50	6	RI	0	3	47	50	0
IN	3	15	49	30	3	SC	0	26	41	31	2
IA	1	10	32	49	8	SD	0	4	16	59	21
KS	0	2	14	73	11	TN	4	14	33	43	6
KY	8	17	40	33	2	TX	2	7	34	52	5
LA	0	7	30	57	6	UT	0	3	18	54	25
ME	0	3	38	53	6	VT	0	3	28	69	0
MD	6	21	47	23	3	VA	5	13	41	38	3
MA	0	0	58	42	0	WA	2	25	29	35	9
MI	2	15	29	47	7	WV	8	6	39	44	3
MN	2	8	25	54	11	WI	2	13	33	46	6
MS	4	7	29	50	10	WY	0	0	0	41	59
MO	0	5	29	55	11	ALL	2	11	29	48	10
MT	0	1	13	58	28						
NE	2	14	36	46	2	Prev Wk	2	10	30	47	11
NV	0	0	4	76	20	Prev Yr	NA	NA	NA	NA	NA

## State Summaries of Weather and Agriculture

These summaries 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.

**ALABAMA:** Rainfall 0.11 to 3.33 in. north; none to 4.65 in. central; 1.27 to 7.93 in. south. Temperatures 3° below normal to 6° above normal statewide. Lows 62 to 71° north, 66 to 73° central; 64 to 73° south. Highs 91 to 98° north, 93 to 99° central; 91 to 100° south.

Days suitable for fieldwork 5.7. Topsoil 29% very short, 28% short, 31% adequate, 12% surplus. Corn dented 94%, 80% 1994, 82% avg.; mature 54%, 34% 1994, 46% avg.; harvested 10%, 10% 1994, 15% avg.; 6% very poor, 16% poor, 58% fair, 18% good, 2% excellent. Sorghum 3% very poor, 15% poor, 45% fair, 32% good, 5% excellent. Peanuts pegged 95%, 80% 1994, 93% avg.; 3% poor, 38% fair, 54% good, 5% excellent. Livestock 6% very poor, 22% poor, 25% fair, 41% good, 6% excellent. Activities: Cultivating, spraying crops. General care of livestock, poultry, catfish.

**ALASKA:** No weather data available.

**ARIZONA:** Temperatures 3 to 8° above normal. Extremes 46°; 104° higher elevations; 61°; 120° deserts. Several upper elevation stations, Coolidge reported precipitation; 0.01 to 0.19 in.

Cotton progress rebounds, condition declines. Alfalfa 27% fair, 55% good, 18% excellent. Harvest 50% moderate, 32% active, 18% between cuttings. Vegetable harvesting seasonally slow. Cantaloupe, honeydew, chili peppers, carrots, green onions, cabbage shipped by central growers. Tomato harvest continued eastern areas. New crop lemon harvest underway western areas. Apple harvest began in eastern areas.

**ARKANSAS:** Temperatures near normal with scattered showers, thunderstorms, heaviest in the southeastern region. Extremes 64°; 101°. Precipitation 0.01 to 2.14 in.

Days suitable for fieldwork 6. Soil moisture 59% short, 40% adequate, 1% surplus. Several counties reported producers treating rice fields for sheath blight, rice blast. Cotton fields were being heavily sprayed for insects in several counties. Heat, dry weather were stressing soybean fields in Little River county. Grape harvest continues in White county. Peach harvest ongoing in Johnson, St. Francis counties. Watermelon harvest continued in Hempstead, Crawford counties. Cantaloupe harvest underway in Crawford county. Vegetables were being harvested in Faulkner county. Heat stress caused a higher than normal death rate for turkeys in Baxter county. Livestock were being stressed by heat in Nevada county. Insect, parasite treatment of cattle statewide. Hay harvest continued.

**CALIFORNIA:** High pressure ridge over southwest U.S. sent fair, dry weather. Deep marine layer left fog along coast. Drizzle heavy, Monterey. Temperatures, above normal, nearly all areas. Field activities progressed normally, clear skies, most areas. Small grain harvest complete, except higher elevations.

Straw baled from small grain stubble, northern counties. Cotton, rice grew rapidly, temperatures warmed. Rice fertilized, sprayed for weeds. Cotton fields treated for aphids, lygus, mites, whitefly. Corn, dry beans sprayed for mites, worms. Sugarbeets, garbanzo beans harvested, central counties. Safflower headed, drying for harvest central, northern areas. Seed alfalfa irrigated, treated for insects. Alfalfa hay fields treated for worms, weevils. Alfalfa, oats, sudangrass cut for hay. Grape growers irrigated vineyards, treated to control mildew, mites, leafhoppers. Harvest table grapes active Fresno, Kern counties. Nectarine, peach, plum harvesting continued, Sacramento, San Joaquin valleys. Fig harvest underway, Fresno County. Apple orchards sprayed for codling moth, mites. Gravenstein harvest continued, Sonoma county; Galas harvested San Joaquin Valley. Walnut orchards sprayed for codling moth, thrips. Bartlett pear picking continued, Sacramento area. Asian, Red pears harvested Fresno County. Prunes sprayed for thrips. Fresh prunes harvested, Sutter County. Ground readied in preparation for almond harvest, Merced area; some harvesting, Kern county. Valencia orange, grapefruit, avocado harvested. Some Valencias exported, Japan. Navel oranges treated for red scale. With recent hot weather, some citrus sunburn noted. Harvest broccoli, cauliflower, Monterey,

San Luis Obispo counties. Carrots harvested, Kern County. Harvest, celery, Monterey, Ventura, San Luis Obispo counties. Garlic harvested Kern, San Benito counties. Lettuce fields, Monterey, San Luis Obispo counties, harvested. Melons picked, Sacramento, San Joaquin, desert valleys. Red, white, yellow onions harvested, San Joaquin Valley. Bell peppers, chili peppers harvested, desert areas, San Joaquin Valley. Harvest, spring potatoes, Kern County, declined. Sweet corn, harvested Sacramento, San Joaquin valleys, desert areas. Sweet potatoes, Merced County treated for worms. Harvest, fresh market tomatoes continued Sacramento, San Joaquin valleys. Worm problem, Merced County. Fall tomatoes transplanted, Fresno County. Processing tomato harvest, full swing, San Joaquin, Sacramento valleys. Ground prepared, Imperial Valley, fall vegetable crops. Other crops harvested: Oriental vegetables, cherry tomatoes, eggplant, green beans, green onions, okra, radishes, peas, squash, spinach, tomatillos, turnips, zucchini. Dryland ranges, pastures, very dry, lower elevations. Extreme fire hazard conditions. Mountain pastures, good condition. Water, feed supplies, adequate. Supplemental feeding, light. Sheep grazed wheat stubble. Cattle, sheep, good condition.

**COLORADO:** Cold front moved across the Eastern Plains on the 31st causing temperatures to be 10 to 15° below normal. However, by the weekend temperatures were above normal. Precipitation was near normal for the week except in the Arkansas River Basin where it was slightly above normal.

Days suitable for fieldwork 6.7. Topsoil 13% very short 40% short, 47% adequate. Subsoil 9% very short, 33% short 58% adequate. Spring wheat 60% turning color, 98% 1994, 68% avg.; 22% harvested, 57% 1994, 25% avg.; 7% poor, 16% fair, 61% good, 16% excellent. Spring barley 70% turning color, 69% 1994, 84% avg.; 9% harvested, 29% 1994, 37% avg.; 8% poor, 18% fair, 60% good, 14% excellent. Oats 65% turning color, 97% 1994, 82% avg.; 25% harvested, 65% 1994, 49% avg.; 8% poor, 24% fair, 59% good, 9% excellent. Dry onions 1% harvested, 8% 1994, 6% avg.; 1% very poor, 5% poor, 22% fair, 64% good, 8% excellent. Sugarbeets 1% poor, 49% fair, 44% good, 6% excellent. Summer potatoes 0% harvested, 17% 1994, 13% avg.; 30% fair, 70% good. Fall potatoes 10% fair, 80% good, 10% excellent. Dry beans 56% flowered, 87% 1994, 66% avg.; 1% poor, 25% fair, 68% good, 6% excellent. Alfalfa 71% 2nd cutting, 77% 1994, 58% avg.; 0% 3rd cutting, 6% 1994, 3% avg.; 3% poor, 15% fair, 68% good, 14% excellent. Livestock mostly in good to excellent.

**DELAWARE:** Precipitation 0.32 in. normal 1.06 in. Temperature 82.6°, normal 76.4°. Extremes 66°; 96°. High temperatures in the mid 90s. Lows in the mid 60s.

Days suitable for fieldwork 6.2. Topsoil 11% very short, 26% short, 63% adequate. Subsoil 13% very short, 32% short, 55% adequate. Corn 8% very poor, 24% poor, 46% fair, 22% good; 95% silked; 94% 1994; 97% avg.; 39% dough, 32% 1994, 31% avg.; 7% in dent, 6% 1994, 6% avg. Soybeans 1% very poor, 10% poor, 36% fair, 53% good; 61% bloomed, 58% 1994, 48% avg.; 22% setting pods, 13% 1994, 10% avg. Sorghum 4% poor, 37% fair, 59% good; 46% headed, 55% 1994, 48% avg. Other hay 39% 3rd cutting, 20% 1994, 10% avg. Alfalfa hay 48% 3rd cutting, 58% 1994, 45% avg. Cantaloupes 46% harvested, 55% 1994, 58% avg. Potatoes 65% harvested, 43% 1994, 41% avg. Sweet corn 48% harvested, 69% 1994, 59% avg. Tomatoes 28% harvested, 46% 1994, 36% avg. Watermelons 22% harvested, 31% 1994, 35% avg. Apples 12% fair, 88% good; early varieties being picked. Peaches 8% fair, 92% good; 43% harvested, 59% 1994, 56% avg. Hay supply adequate. Vegetable harvest, haymaking. Spider mites increasing on soybeans prior to rain. Additional rain fell on weekend, lowering temperatures, stress.

**FLORIDA:** Temperatures within 2° of normal. Lows: upper 60s north, low 70s elsewhere. Highs: upper 80s lower southeast coast, mid 90s elsewhere. August 1st night into the 2nd, Hurricane/Tropical Storm Erin moved from central Atlantic Coast through central Peninsula. Storm resumed hurricane force to hit western Panhandle late 3rd morning. Heavy rains, damaging winds accompanied storm. Rainfall 5.00 to 10.00 in. western Panhandle, generally 2.00 to 5.00 in. elsewhere.

Rainfall from Hurricane Erin interrupted corn, hay, tobacco harvesting. Tobacco pulling over half finished, some harvesting about 2/3 to 3/4 complete. Blue mold, leaf spot, nematodes causing some low tobacco yields, few growers entirely stripping some fields to realize any production. Sugarcane, most cotton, peanut, soybean fields escaped storm damage with some flooded fields in Panhandle. Topsoil, subsoil moisture adequate to surplus. Rain from Erin delayed vegetable land preparation, planting East Coast. Quincy tomatoes received no significant damage with heavier amounts of rain falling in southern Gadsden County than in northern localities. Very little rain on southwestern vegetable fields. Sweet potato whitefly causing some limited damage to northern vegetables. Citrus caretakers were busy removing any excessive water following storm. Only minimal amounts of grapefruit reported lost. Cattle fair 25%, good 65%, excellent 10%.

**GEORGIA:** Warm week with temperatures 2 to 5° above normal except for near normal southwest. Highs reached upper 80s in mountains to low to middle 90s elsewhere. Lows cooled to lower 60s in highest elevations of mountains to around 70° central, south. Four to 6 rain days were noted in northeast with weekly totals of 1.00 to 3.00 in. common, elsewhere many areas recorded under 0.50 in., local areas received 1.00 to 4.00 in.

Days suitable for fieldwork 5.3. Soil moisture 23% very short, 34% short, 41% adequate, 2% surplus. Crop conditions improved due to scattered rainfall many areas of State. High nitrates showing up in forage due to drought north part of State. Feeding hay to cattle on pastures increasing north. Insect pressure in cotton continued high several areas, spraying for control active. Corn 99% dent, 96% 1994, 94% avg.; 91% mature, 83% 1994, 74% avg.; 14% harvested for grain, 11% 1994, 10% avg. Hay 1% very poor, 31% poor, 43% fair, 24% good, 1% excellent. Peanuts 8% poor, 49% fair, 43% good. Sorghum 11% poor, 56% fair, 33% good. Tobacco 7% poor, 47% fair, 46% good; 79% harvested, 73% 1994, 69% avg. Watermelons 98% harvested, 97% 1994, 95% avg. Vegetables 18% poor, 48% fair, 34% good. Apples 1% poor, 23% fair, 76% good; 6% harvested, 9% 1994, 13% avg. Peaches 99% harvested, 99% 1994, 96% avg. Pecans 6% poor, 66% fair, 28% good. Cattle 5% poor, 35% fair, 59% good, 1% excellent. Hogs 1% very poor, 4% poor, 30% fair, 64% good, 1% excellent.

**HAWAII:** High pressure system north of State produced light to moderate trade winds, rainfall in windward areas. Temperatures were hot, tying records several days. Trade winds 15 to 30 mph. Temperatures low 70s to low 90s. Rainfall none to 2.50 in.

Rainfall benefited major banana, papaya production areas. Daily rain some windward Hawaii island locations slowed farm activities due to muddy fields, however, heavy irrigation still required in most major vegetable growing areas elsewhere in State.

**IDAHO:** Temperatures 6° below normal to normal. Precipitation none to 0.02 in. north, 0.03 to 0.13 in. southwest, none to 0.10 in. south-central, none to 0.45 in. southeast. Extremes 33°; 102°.

Days suitable for fieldwork 7. Topsoil 30% short, 70% adequate. Irrigation water supplies 2% fair, 39% good, 59% excellent. Alfalfa hay second cutting 51%, 70% 1994, 61% avg. Dry peas harvested 18%, 59% 1994, 36% avg. Mint first cutting 54%, 83% 1994, 58% avg. Oats harvested 5%, 40% 1994, 27% avg. Peaches harvested 37%, 53% 1994, 45% avg. Potatoes closing middles 92%, 96% 1994, 91% avg. Potatoes turning 3%, 30% 1994, 17% avg. Potato 18% fair, 70% good, 12% excellent. Spring barley turning color 57%, 91% 1994, 69% avg.; harvested 6%, 24% 1994, 16% avg.; 1% poor, 6% fair, 68% good, 25% excellent. Spring wheat turning color 73%, 92% 1994, 67% avg. Winter wheat turning color 99%, 99% 1994, 92% avg.; harvested 14%, 43% 1994, 29% avg.; 1% very poor, 1% poor, 7% fair, 70% good, 21% excellent. Activities: Irrigating, fertilizing, applying pesticides, harvesting winter wheat, spring wheat, barley, dry peas, peaches, cutting mint, cutting alfalfa.

**ILLINOIS:** Temperatures 2 to 4° above normal. High temperatures climbed into the 90s over virtually all of the State early in the week. Average highs upper 80s to low 90s. Lows were generally in the upper 60s to low 70s. Seven-day precipitation totals held under an inch in parts of the north, 1.00 in. or more to over 3.00 in. central, south. Precipitation for State was 1.73 in., nearly two times normal for the week. Normal August precipitation is around 3.75 in..

Days suitable for fieldwork 4.3. Topsoil 4% very short, 23% short, 67% adequate, 6% surplus. Corn, soybean crop conditions again improved due to rains received last week. Beneficial hot weather is promoting rapid development of the crops although most are still 2 to 3 weeks behind normal. The heat is affecting livestock by reducing weight gain, dairy operations are reporting low milk production. Corn 1% dented, 9% 1994, 11% avg. Oats 95% ripe, 100% 1994, 97% avg.; 69% harvested, 97% 1994, 80% avg. Alfalfa 87% second cutting, 98% 1994, 92% avg.; 13% third cutting, 38% 1994, 26% avg.; 1% very poor, 5% poor, 26% fair, 58% good, 10% excellent.

**INDIANA:** Front slipped to about the northern border of the State towards midweek and then lingered for a few days, helping to trigger scattered showers, thunderstorms. Remnants of Hurricane Erin reached the Ohio Valley by the start of the weekend bringing rain to the State 5th. Temperatures were warm, humidity gradually returned. Temperatures 3 to 6° above normal in most places. High temperatures in the mid 80s to around 90°. Lows mid 60s to low 70s. Highest individual temperatures were in the low to mid 90s. Rainfall was variable, good portion of the State received near or above normal amounts. Precipitation under 0.50 in. to over 6.00 in. at South Bend.

Days suitable for fieldwork 5.8. Topsoil 13% very short, 33% short, 47% adequate, 7% surplus. Subsoil 6% very short, 35% short, 56% adequate, 3% surplus. Alfalfa second cutting 85% complete, 98% 1994, 91% avg. Cutting of mint continues. Oat harvest near completion. Activities: Baling hay; spraying; mowing fence rows; equipment maintenance.

**IOWA:** Temperatures average 2° below normal in the northwest to 4° above normal in the east. Extremes 50°; 95°. Scattered thunderstorms, some with very heavy rain, throughout the week, especially on 31st, 6th. Rain totals 0.10 in. southwest to 5.88 in. central; State average 1.02 in. (normal 0.90 in.).

Days suitable for fieldwork 5.6. Topsoil short 33%, adequate 65%, surplus 2%. Subsoil short 18%, adequate 79%, surplus 3%. Corn tasseling 94%, 100% 1994, 91% avg.; in or past milk stage 15%, 76% 1994, 41% avg. Oats harvested 90%, 96% 1994, 84% avg. All hay 6% poor, 30% fair, 34% good, 10% excellent; alfalfa hay second cutting 83%, 96% 1994, 82% avg. Clover hay second cutting 47%, 72% 1994, 57% avg. Livestock mostly good. Flies, pink-eye creating minor problems for cattle on pasture.

**KANSAS:** Temperatures were slightly below normal over most of the State except in the south central, southeast districts which were 6° below normal. Precipitation was relatively light across the State except in the south central, east central, southeastern districts.

Days suitable for fieldwork 4.8. Soil moisture is short in many areas. Topsoil 1% very short, 28% short, 61% adequate, 10% surplus. Sub-surface moisture 1% very short, 9% short, 82% adequate, 8% surplus. Fall crops remain behind normal progress because of late planting, cool, wet weather during May, June. Alfalfa cut the third time 44%, 75% 1994, 52% avg. Cut the fourth time 1%, 5% 1994, 3% avg. Hot weather, high humidity continues to stress livestock.

**KENTUCKY:** Weather much warmer, nearly hot, and much wetter than normal, except the southeast. High temperatures lower 90s, 2 to 5° above normal; low temperatures upper 60s to lower 70s. Rainfall mostly above to well above normal especially west, northeast. Many locations had 0.50 to 1.00 in. above normal amounts.

Days suitable for fieldwork 5.6. Topsoil 27% very short, 38% short, 34% adequate, 1% surplus. Subsoil short to adequate. Heat stressed corn, soybeans early week, weekend rain brought relief. Tobacco 3% very poor, 14% poor, 45% fair, 34% good, 4% excellent. Burley 47% topped or beyond. Some tobacco damaged by blue mold being cut. Dark tobacco 77% topped or beyond. Rain helped pastures, hay crops significantly.

**LOUISIANA:** Temperatures 3° below to 1° above normal. Extremes 70°; 99° Rainfall 0.82 in. north central to 3.57 in. south central.

Days suitable for fieldwork 4.2. Soil moisture 1% very short, 18% short, 67% adequate, 14% surplus. Corn 3% very poor, 14% poor, 38% fair, 41% good, 4% excellent; 90% mature, 79% 1994, 80% avg.; 15% harvested, 15% 1994, 14% avg. Corn harvest was slowed by the rains. Cotton: Insect pressure on cotton increased slightly in some areas. Hay 60% second cutting, 27% 1994, 22% avg.; baling picked up again after rains stopped. Peaches 90% harvested, 93% 1994, 91% avg. Rice 42%

ripe, 31% 1994, 34% avg.; harvest was slowed by rains. Sorghum 14% ripe, 19% 1994, 20% avg.; 0% harvested, 2% 1994, 3% avg. Soybeans conditions rebounded with the rains. Sugarcane 1% poor, 21% fair, 60% good, 18% excellent; 1% planted, 1% 1994, 0% avg. Sugarcane conditions rebounded with the added moisture. Sweet potatoes 2% poor, 14% fair, 75% good, 9% excellent; 1% harvested, 6% 1994, 7% avg. Sweet potato producers delayed harvest waiting for the crop to gain in size. Vegetables 5% very poor, 17% poor, 43% fair, 34% good, 1% excellent. Livestock 3% poor, 24% fair, 61% good, 12% excellent.

**MARYLAND:** Precipitation 0.06 in. normal 0.97 in. Temperature 82.7°, normal 76.0°. Extremes 57°; 100°. Low temperatures in the 60s. Highs were mainly in the 90s.

Days suitable for fieldwork 6.3. Topsoil 12% very short, 47% short, 40% adequate, 1% surplus. Subsoil 8% very short, 40% short, 52% adequate. Corn 4% very poor, 16% poor, 28% fair, 50% good; 2% excellent; 91% silked, 90% 1994, 87% avg.; 40% dough, 28% 1994, 38% avg.; 8% dented, 4% 1994, 13% avg. Soybeans 1% very poor, 13% poor, 28% fair, 53% good, 5% excellent; 53% bloomed, 48% 1994, 57% avg.; 16% setting pods, 17% 1994, 23% avg. Sorghum 7% poor, 10% fair, 83% good; 62% headed, 68% 1994, 57% avg. Tobacco 1% very poor, 7% poor, 25% fair, 58% good, 9% excellent; 93% bloomed, 67% 1994, 57% avg.; 18% harvested, 3% 1994, 5% avg. Other hay 81% 2nd cutting, 79% 1994, 68% avg.; 10% 3rd cutting, 23% 1994, 13% avg. Alfalfa hay 49% 3rd cutting, 60% 1994, 23% avg.; 4% 4th cutting, 2% 1994, 1% avg. Cantaloupes 43% harvested, 61% 1994, 59% avg. Potatoes 62% harvested, 94% 1994, 62% avg. Sweet corn 42% harvested, 65% 1994, 60% avg. Tomatoes 38% harvested, 50% 1994, 53% avg. Watermelons 51% harvested, 57% 1994, 50% avg. Apples 1% poor, 4% fair, 53% good, 42% excellent; some early apples being picked. Peaches 9% fair, 74% good, 17% excellent; 31% harvested, 73% 1994, 47% avg. Pasture, range 2% very poor, 10% poor, 10% fair, 10% good. Activities: Harvesting of vegetables, haymaking. Horn worms, corn earworms, spider mites building up before rains came. Weekend rains, cooler temperatures reducing stress.

**MICHIGAN:** Extremes 50°; 95°. Precipitation none to 2.94 in. across the State. Temperatures were above normal with abundant precipitation. Rain was welcomed, more will be needed.

Days suitable for fieldwork 4.0. Crops improved with warm temperatures, rain. Rains slowed wheat, hay harvest. Topsoil 8% very short, 10% short, 70% adequate 12% surplus. Subsoil 8% very short, 26% short, 65% adequate, 1% surplus. Corn in milk, 28%, 30% 1994, 20% avg. Drybeans blooming 87%, 65% 1994, 75% avg.; setting pods 58%, 40% 1994, 28% avg.; 3% poor, 13% fair, 62% good, 22% excellent. All hay, second cutting 78%, 70% 1994, 65% avg.; 2% very poor, 5% poor, 24% fair, 52% good, 17% excellent. Potatoes harvested 26%, 30% 1994, 21% avg. Oats, turning yellow 93%, 95% 1994, 93% avg.; harvested 40%, 20% 1994, 28% avg.; 4% very poor, 10% poor, 41% fair, 38% good, 7% excellent.

**MINNESOTA:** Temperatures 1 to 2° below for the State. Extremes 41°; 98°. Precipitation 1.27 in. above normal in the south central, below normal for the northern third of the State. Greatest weekly total was 3.07 in.

Days suitable for fieldwork 5.0. Topsoil 3% very short, 15% short, 69% adequate, 13% surplus. Spring wheat turning ripe 71%, 92% 1994, 87% avg. Spring wheat harvested 19%, 18% 1994, 16% avg. Oats turning ripe 91%, 99% 1994, 95% avg. Oats harvested 26%, 41% 1994, 40% avg. Barley turning ripe 76%, 97% 1994, 90% avg. Barely harvested 8%, 18% 1994, 35% avg. Corn tasseling 96%, 99% 1994, 82% avg. Corn in milk 26%, 58% 1994, 32% avg. Soybean 96% blooming, 99% 1994, 86% avg. Soybeans 58% setting pods, 83% 1994, 51% avg. Winter wheat harvested 25%, 64% 1994, 54% avg. Rye harvested 53%, 64% 1994, 54% avg. Oats 4% very poor, 26% poor, 41% fair, 28% good, 1% excellent. Barley 3% very poor, 20% poor, 51% fair, 25% good, 1% excellent. Sunflowers 3% very poor, 7% poor, 33% fair, 49% good, 10% excellent.

**MISSISSIPPI:** Temperatures 1° above normal for week. Extremes 65°; 98°. Soil temperatures 86°. Precipitation 3.05 in., 2.03 in. above normal. Rainfall throughout the State 0.83 in. upper delta district to 5.75 in. central district.

Days suitable for fieldwork 4.0. Soil moisture 5% very short, 20% short, 51% adequate, 24% surplus. Corn 100% silked, 100% 1994,

99% avg.; 94% dough, 92% 1994, 85% avg.; 69% dent, 61% 1994, 62% avg.; 27% mature, 22% 1994, 29% avg.; 40% silage harvested, 44% 1994, 39% avg.; 3% poor, 28% fair, 49% good, 20% excellent. Soybeans 86% blooming, 85% 1994, 65% avg.; 54% setting pods, 49% 1994, 35% avg.; 2% very poor, 7% poor, 33% fair, 49% good, 9% excellent. Hay 76% harvested warm, NA 1994, NA avg.; 5% very poor, 11% poor, 31% fair, 43% good, 10% excellent. Peaches 82% harvested, 95% 1994, 94% avg.; 19% poor, 24% fair, 37% good, 20% excellent. Peanuts 3% fair, 58% good, 39% excellent. Sweetpotatoes 2% poor, 11% fair, 84% good, 3% excellent. Watermelons 86% harvested, 86% 1994, 78% avg.; 19% poor, 27% fair, 45% good, 9% excellent. Cattle 1% very poor, 4% poor, 24% fair, 60% good, 11% excellent. Main farming activities: Irrigating crops; controlling insects in cotton; harvesting hay, corn silage, sorghum silage. Farmers are busy monitoring fields for budworms, bollworms, armyworms. Most producers are still spraying cotton fields regularly. Sheath blight is appearing in some rice fields. Cattle producers are preparing seedbeds for fall grazing.

**MISSOURI:** Temperatures near normal, ranging from 4° below normal at Kansas City, to 3° above normal at Caruthersville. Precipitation 2.27 in., ranging from 0.78 in. south central, to 4.34 in. northeast.

Days suitable for fieldwork 3.6. Topsoil 1% very short, 16% short, 62% adequate, 21% surplus. Majority of State's row crops remain in fair to good condition across the State, improving slightly from a week ago. Corn silking progress ranges from 26% northeast to 100% southeast. Dough stage development is most advanced in the Bootheel, which reports 93%. Soybean blooming progress ranges from 19% northeast to 50% south central, southeast. Sorghum heading is most advanced in the south central, southeast districts, where 60%, 70% have headed, respectively, while the remainder of the State is around 10%. Sorghum coloring limited to 12% southeast. Oats harvested 98%, 100% 1994, 93% avg. Alfalfa second cutting 90%, 100% 1994, 91% avg.; third cutting 20%, 57% 1994, 31% avg. Other hay cut 90%, 96% 1994, 91% avg.

**MONTANA:** Week started out cool with a few showers. By weekend, temperatures warmed considerably with little precipitation. Overall temperatures were above normal, precipitation below normal.

Days suitable for fieldwork 6.1. Topsoil 3% very short, 33% short, 61% adequate, 3% surplus. Subsoil 2% very short, 22% short, 71% adequate, 5% surplus. Winter wheat harvest getting started in all areas of State. Spring grain harvest starting in the Eastern districts. Winter wheat 99% turning, 100% 1994, 97% avg.; 14% ripe, 84% 1994, 59% avg. Spring wheat 66% turning, 86% 1994, 71% avg.; 7% ripe, 37% 1994, 21% avg. Barley 1% very poor, 2% poor, 18% fair, 57% good, 22% excellent; 65% turning, 92% 1994, 74% avg. Barley 7% ripe, 49% 1994, 27% avg. Barley 1% harvested, 15% 1994, 7% avg. Oats 1% very poor, 4% poor, 19% fair, 59% good, 17% excellent; 70% turning, 85% 1994, 68% avg.; 12% ripe, 36% 1994, 22% avg.; 0% harvested, 5% 1994, 4% avg. First cutting Alfalfa hay 97%, 100% 1994, 94% avg.; 2nd cutting 10%, 45% 1994, 26% avg. First cutting other hay 84%, 87% 1994, 78% avg.

**NEBRASKA:** Temperatures 2 to 6° below normal. Scattered rainfall across the State; amounts ranged from none or trace up to 3.50 in.

Days suitable for fieldwork 6.0. Topsoil 14% very short, 47% short, 37% adequate. Subsoil 7% very short, 38% short, 55% adequate. Wheat 100% ripe, 100% 1994, 100% avg.; harvest progressed to 92% in the panhandle. Oats 77% harvested, 96% 1994, 86% avg. Dry bean 66% blooming, 97% 1994; 25% podded, 84% 1994. Rootworm beetle, corn borer were a concern in the eastern part of the State. Pastures continued to show signs of deterioration in many areas. Regrowth has been slow forcing producers to begin supplemental feeding.

**NEVADA:** Cold front passed from northern areas to southern areas early in the week. Cooler, windier weather with some record low temperatures were recorded in the north. Temperatures below normal in the north to above normal in the south. Extremes 17° Wildhorse Reservoir; 121° Laughlin. Scattered thunderstorms dropped light precipitation in the northern half of the State.

High temperatures began to stress crops in the extreme south, while cooler than normal temperatures kept crop progress paced in the north. Field preparation for fall planting continued extreme south. Heading of small grains was complete in the north and some fields were cut for hay. Fourth cutting of alfalfa completed extreme south; second cutting well along north. Harvest of native, grass hays in full swing. Harvest

of seed garlic underway. Onions maturing. Harvest of chipping potatoes in southern areas completed. Squash bugs were plaguing southern watermelon fields. Ranges, pastures drying rapidly. Main farm, ranch activities: Haying, garlic harvest, irrigating, weed, insect control, working livestock.

**NEW ENGLAND:** Precipitation 0.22 to 4.42 in. north, 0.90 to 3.70 in. south. Temperatures 68 to 74° north, 72 to 81° south. Maximum temperatures 87 to 97° north, 89 to 98° south. Minimum temperatures 48 to 62° north, 53 to 67° south.

Days suitable for fieldwork 5.1. Topsoil 2% very short, 12% short, 77% adequate, 9% surplus. Subsoil 4% very short, 34% short, 62% adequate. Maine potatoes <5% harvested, condition fair/poor. Rhode Island potatoes <5% harvested, condition good. CT River Valley potatoes 15% harvested, 10% 1994, 5% avg., condition good. Maine oats <5% harvested, <5% 1994, <5% avg, condition fair. Maine barley 5% harvested, condition fair/poor. Field corn condition good. Sweet corn, condition good/fair, 35% harvested, 30% 1994, 25% avg. Shade tobacco 50% harvested, 35% 1994, condition good/excellent. Outdoor tobacco 10% harvested, 25% 1994, condition good. First hay crop 99% harvested, 100% 1994, 99% avg.; condition good/excellent. Second cut hay 40% harvested, 45% 1994, 45% avg.; condition good/fair. Third cut hay 5% harvested, 10% 1994, 5% avg.; condition good. Apples set avg.; condition good/fair; size avg.; <5% harvested. Peaches set avg.; condition good/fair; size avg.; 10% harvested, 20% 1994. Pears set avg.; size avg.; <5% harvested, condition good/fair. Cranberries set above avg.; size avg.; condition excellent. Highbush blueberries set avg.; condition excellent/good; size avg.; 45% harvested, 55% 1994. Wild Blueberries set avg./above avg.; condition excellent; size avg. 15% harvested, 5% 1994. Heavy rains pelted New England last week, revitalizing crops, pastureslands, slowing harvesting. Major farm activities: Fertilizing, picking fruits, vegetables, harvesting field crops, applying herbicides, insecticides.

**NEW JERSEY:** Temperatures much above normal. Extremes 53°; 100°. Rainfall 0.89 in. north, 1.16 in. central, 2.73 in. south. Heaviest 24 hour total was 3.80 in. on the 6th to 7th. Estimated soil moisture, in percent of field capacity, averaged 67% north, 69% central, 39% south.

Days suitable for fieldwork 7. Topsoil moisture reported as short. Good volume of eggplant, peppers, squash, cucumbers, tomatoes, sweet corn. Moderate supply of cantaloupe, beets, watermelon. Limited volume of cabbage, herbs, green beans, parsley, leeks, escarole. Planting of fall lettuce, cabbage occurring in some areas. The combining of wheat is virtually complete. Double-crop soybeans planting is entering the final stages. Second cuttings of hay are occurring as weather permits. Light to moderate volume of blueberries with harvest nearing completion. Moderate supply of peaches with an expected increase as harvesting continues

**NEW MEXICO:** Remnants of Tropical Storm Dean brushed the eastern plains with enough showers to help hold temperatures near seasonal normals. Elsewhere readings were 3° to 6° warmer than normal as high pressure kept skies sunny, dry except for isolated showers over the mountain ridges.

Days suitable for fieldwork 6.8. Soil moisture 34% very short, 49% short, 16% adequate. Alfalfa 1% very poor, 4% poor, 28% fair, 49% good, 18% excellent. Corn 7% poor, 32% fair, 60% good, 1% excellent. Cotton 4% poor, 34% fair, 60% good; 53% setting bolls, 90% 1994, 83% avg. Sorghum 37% very poor, 11% poor, 35% fair, 17% good. Chile 14% very poor, 27% poor, 36% fair, 23% good. Onions 4% poor, 52% fair, 43% good, 1% excellent. Pecans 5% very poor, 7% poor, 20% fair, 67% good, 1% excellent. Apples 30% poor, 50% fair, 20% good. Cattle 1% very poor, 11% poor, 43% fair, 40% good, 5% excellent. Sheep 8% poor, 61% fair, 31% good.

**NEW YORK:** Warm, dry through 2nd. Numerous showers, thunderstorms remainder of week. Cooled down on 5th with variable rainfall. Extremes 48°; 96°.

Days suitable for fieldwork 6.6. Soil moisture 45% very short, 36% short, 19% adequate. Corn mostly tasselled. Early planted corn has pollinated. Rain should improve conditions. Hay in poor to fair condition. Alfalfa second cutting 88% done, 68% 1994, 66% avg. Third cutting underway. Wheat 94% harvested, 94% 1994, 87% avg. Oats 50% harvested, 40% 1994, 53% avg. Dry beans in blossom. Potato harvest gained momentum. Grapes benefited from showers,

warm weather. Early apple harvest underway. Fruit size smaller than normal. Peach harvest continued. Dryness also affected size of fruit.

**NORTH CAROLINA:** Continuation of sunny, hot days has allowed farmers to spend considerable time in the fields. A large majority of work involved spraying cotton, soybeans for insects, harvesting flue-cured tobacco for market, topping burley tobacco. Temperature 81°, 4° above normal. Extremes 58; 99°. Statewide precipitation 0.53 in., 0.79 in. below normal.

Days suitable for fieldwork 6.2. Soil moisture 5% very short, 19% short, 72% adequate, 4% surplus. Irish potatoes 95% harvested, 100% 1994, 98% avg. Peaches 75% harvested, 83% 1994, 84% avg. Flue-cured tobacco 38% harvested, 23% 1994, 28% avg. Corn 9% cut for silage, 23% 1994, 18% avg. Sorghum 1% harvested, 9% 1994, 3% avg. Cotton 94% squared, 99% 1994, 96% avg. Corn 71% dented, 68% 1994, 61% avg. Corn 32% mature, 24% 1994, 26% avg. Tobacco 85% topped, 89% 1994, 90% avg. Crop conditions have changed very little from one week ago and continue to remain mostly fair to good. The hot days have resulted in the corn crop drying at an accelerated rate, thus farmers are beginning preparations for harvest. Most of the small grain acreage that remains in the fields will be abandoned. Irish potatoes 3% very poor, 13% poor, 27% fair, 52% good, 5% excellent; apples 15% poor, 29% fair, 56% good; peaches 1% very poor, 1% poor, 6% fair, 87% good, 5% excellent; truck crops 25% very poor, 24% poor, 26% fair, 24% good, 1% excellent; peanuts 5% poor, 18% fair, 69% good, 8% excellent; sorghum 1% poor, 17% fair, 81% good, 1% excellent; sweetpotatoes 5% very poor, 12% poor, 24% fair, 57% good, 2% excellent; hay 2% poor, 28% fair, 66% good, 4% excellent; tobacco in fields 4% very poor, 15% poor, 36% fair, 41% good, 4% excellent; hay and roughage supplies 5% short, 80% adequate, 15% surplus. Activities: Harvesting, marketing flue-cured tobacco; harvesting small grains, vegetables; topping tobacco; spraying, cultivating crops; cutting hay; tending livestock; repairing equipment, general farm maintenance.

**NORTH DAKOTA:** Temperatures 2 to 3° below normal throughout the State. Extremes 41° northwest, southwest; 97° northwest, southwest. Precipitation none in. north central to 0.19 in. northwest.

Days suitable for fieldwork 7. Soil moisture supplies above average. Topsoil 2% very short, 24% short, 69% adequate, 5% surplus. Subsoil 2% very short, 9% short, 84% adequate, 5% surplus. Hard red spring wheat 33% turning, beyond; 66% 1994; 68% avg.; durum wheat 15%; 42% 1994; 48% avg.; barley 43%; 84% 1994; 80% avg.; oats 25%; 77% 1994; 74% avg. Warm weather pushed late season crop development, but progress continued behind last year and average. Flaxseed 13% turning and beyond; 21% 1994; 25% avg.; sunflowers 32% blooming and beyond; 59% 1994; 43% avg.; potatoes 88% rows filled and beyond; 95% 1994; 79% avg.; corn 28% milk and beyond; 34% 1994; 22% avg.; dry edible beans 15% fully podded and beyond; 42% 1994, 26% avg.; soybeans 14%; 47% 1994; 23% avg. Crop condition: Durum wheat 2% very poor, 9% poor, 28% fair, 57% good, 4% excellent; barley 1%, 5%, 26%, 60%, 8%; oats 1%, 4%, 25%, 65%, 5%; flaxseed 1%, 3%, 24%, 65%, 7%; corn 0%, 1%, 16%, 68%, 15%; dry edible beans 1%, 5%, 19%, 58%, 17%; soybeans 2%, 6%, 28%, 54%, 10%; sunflower 1%, 3%, 15%, 65%, 16%; sugarbeets 0%, 4%, 9%, 64%, 23%; potatoes 0%, 0%, 13%, 60%, 27%.

**OHIO:** High temperatures mid 80s to around 90°, exceeding normal by 3 to 7°. A high temperature of 101° was reported at Ripley. Lows averaged from the upper 60s to around 70°, which was 5 to 10° above normal. Seven-day precipitation totals exceeded 2.00 in. over a good part of the state. Rainfall 0.27 in. at Youngstown to over 4.00 in. at Cincinnati, Columbus. State this week averaged 2.32 in., more than 2.5 times normal. The State's normal August precipitation is 3.65 in.

Days suitable for fieldwork 6.0. Soil moisture 12% very short, 26% short, 59% adequate, 3% surplus. Condition of corn, soybeans best for the season so far. Rain has continued to miss some areas in the southeast, pastures need moisture for regrowth. Second cutting of alfalfa is 89% complete, third cutting alfalfa 11% complete. Leaf hopper infestations continue to be reported. Other hay second cutting is 65% complete, third cutting 4% complete. Picking of peach crop has started.

**OKLAHOMA:** Temperatures 1.3° below normal southeast district to 6.7° below normal north central district. Precipitation 0.14 in. south central to 6.54 in. west-central.

Days suitable for fieldwork 3.7. Topsoil 1% very short, 19% short, 59% adequate, 21% surplus. Subsoil 1% very short, 18% short, 69% adequate, 12% surplus. Wheat 89% plowed, 93% 1994, 92% avg.; 10%

seedbed prepared, 17% 1994, 12% avg. Corn 92% tasseling, 100% 1994, 99% avg.; 64% milk-to-soft, 88% 1994, 83% avg.; 10% mature, 14% 1994, 12% avg. Sorghum 2% mature, 2% 1994, 3% avg. Soybeans 61% flowering, 76% 1994, 53% avg.; 33% setting pods, 54% 1994, 26% avg.; 1% mature, 18% 1994, 4% avg. Peanuts 5% poor, 35% fair, 54% good, 6% excellent; 90% pegging, 90% 1994, 86% avg.; 64% setting pods, 60% 1994, 52% avg. Alfalfa 4% poor, 26% fair, 64% good, 6% excellent; 74% 3rd cutting, 89% 1994, 79% avg.; 8% 4th cutting, 29% 1994, 10% avg. Livestock 16% fair, 64% good, 20% excellent. Prices for feeder steers, heifers steady to \$2.00/cwt lower.

**OREGON:** Temperatures 1 to 5° above normal, statewide. Precipitation mostly none statewide.

Days suitable for fieldwork 6.8. Topsoil 2% very short, 32% short, 66% adequate. Subsoil 1% very short, 24% short, 75% adequate. All barley harvested 39%. Excellent haying conditions, small grain harvest continued, statewide. Klamath Basin sugarbeets good, barley turning color. Eastern sections: potatoes good. Willamette Valley: mint harvest underway, grass seed harvest continued, vegetable crops maturing, green beans, squash, broccoli, cucumber harvest underway, Marion blackberry harvest final stages, Evergreen blackberry harvest underway, blueberry & peach harvest continued, summer strawberry & raspberry renovation work continued. Hood River Valley: pears, apples very good. Rogue River Valley: early red Bartlett pear harvest set to begin. Southern coast: cranberry growers nearing completion of fertilizer applications. Willamette Valley nursery industry: Crops growing well, summer maintenance programs continued, irrigation major activity. Livestock good to excellent. Summer pastures drying out, normal.

**PENNSYLVANIA:** Very hot, humid. Widely scattered showers. Cooler, widespread rainfall weekend. Temperature, precipitation not available. Extremes 51°; 98°.

Days suitable for fieldwork 5.9. Soil moisture 25% very short, 34% short, 40% adequate, 1% surplus. Soybeans 4% poor, 22% fair, 54% good, 20% excellent. Wheat 88% harvested, 92% 1994, 86% avg. Oats 88% harvested, 92% 1994, 86% avg. Barley 88% harvested, 92% 1994, 86% avg. Potato harvest 2% complete, 3% 1994, 5% avg. Alfalfa 2nd cutting 66% complete, 78% 1994, 74% avg. Alfalfa 3rd cutting 10% complete, 15% 1994, 17% avg. Timothy clover 2nd cutting 25% complete, 48% 1994, 42% avg. Quality of hay made 0% very poor, 2% poor, 30% fair, 47% good, 21% excellent. Peach harvest 15% complete, N/A 1994, 3% avg. Activities: Harvesting wheat, barley, oats; making hay; cutting haylage; filling silos; fixing fences; machinery maintenance; hauling manure; caring for livestock.

**PUERTO RICO:** No weather data available.

**SOUTH CAROLINA:** Temperatures 2° above normal. Extremes 62°; 97°. Rainfall 1.10 in.

Days suitable for fieldwork 5.9. Soil moisture 20% short, 77% adequate, 3% surplus. Barley 100% harvested, 100% 1994, 100% avg.; 10% poor, 88% fair, 2% good. Corn 97% doughed, 98% 1994, 97% avg.; 66% matured, 63% 1994, 65% avg.; 4% harvested, 7% 1994, 10% avg.; 44% fair, 56% good. Sorghum 95% planted, 100% 1994, 97% avg.; 10% harvested, 8% 1994, 10% avg.; 6% poor, 48% fair, 41% good, 5% excellent. Sweet potatoes 26% fair, 54% good, 20% excellent. Tobacco 99% topped, 100% 1994, 99% avg.; 47% harvested, 51% 1994, 50% avg.; 12% fair, 88% good. Peaches 78% harvested, 85% 1994, 79% avg.; 15% fair, 73% good, 12% excellent. Watermelons 93% harvested, 87% 1994, 87% avg.; 89% fair, 11% good. Cantaloupes 90% harvested, 83% 1994, 83% avg.; 96% fair, 4% good.

**SOUTH DAKOTA:** Temperatures were generally slightly below normal 6° below normal to 1° above normal. Extremes 31°; 101°. Significant rainfall fell over the central, south central, east central, southeast, extreme northeast with weekly totals of 1.00 to 3.00 in. being frequent. Heaviest precipitation 3.49 in. Forrestrburg.

Days suitable for fieldwork 5.4. Topsoil 4% very short, 40% short, 43% adequate, 13% surplus. Subsoil 1% very short, 24% short, 59% adequate, 16% surplus. Winter Wheat 1% poor, 24% fair, 60% good, 15% excellent. Winter rye 90% swathed, 94% 1994, 80% avg.; 63% harvested, 92% 1994, 67% avg.; 2% poor, 25% fair, 64% good, 9% excellent. Barley 93% turning color, 100% 1994, 99% avg.; 61% ripe, 91% 1994, 85% avg.; 50% swathed, 84% 1994, 70% avg.; 15%

harvested, 75% 1994, 56% avg.; 15% poor, 27% fair, 57% good, 1% excellent. Oats 95% turning color, 100% 1994, 99% avg.; 63% ripe, 94% 1994, 92% avg.; 55% swathed, 89% 1994, 77% avg.; 28% harvested, 84% 1994, 63% avg. Oats 6% very poor, 5% poor, 38% fair, 49% good, 2% excellent. Spring wheat 92% turning color, 95% 1994, 96% avg.; 54% ripe, 84% 1994, 76% avg.; 18% swathed, 70% 1994, 45% 1994. Flax 86% blooming, 98% 1994, 84% avg.; 2% ripe, 15% 1994, 28% avg.; 1% poor, 65% fair, 33% good, 1% excellent. Corn tasseled, 77%, 98% 1994, 79% avg. Sunflowers 20% bloomed, 76% 1994, 47% avg. Sunflower 2% poor, 25% fair, 56% good, 17% excellent. Crops once again made significant progress during the week due to heavy rains, warm weather. Soil moisture conditions varied drastically in the key growing regions with some areas receiving surplus moisture while others are in desperate need of rainfall. Second cutting alfalfa 64% complete, 66% 1994, 58% avg. Other hay 69% harvested, 71% 1994, 65% avg. Livestock 1% poor, 6% fair, 75% good, 18% excellent. Stockwater supplies 3% short, 75% adequate, 22% surplus.

**TENNESSEE:** Temperatures were 1 to 3° above normal. Remains of Hurricane Erin brought heavy rainfall to western areas.

Days suitable for fieldwork 6.0. Topsoil 15% very short, 24% short, 58% adequate, 3% surplus. Subsoil 12% very short, 23% short, 62% adequate, 3% surplus. Corn 1% very poor, 2% poor, 14% fair, 43% good, 40% excellent; 83% dough, 75% 1994, 62% avg.; 48% dent, 34% 1994, 27% avg.; 5% mature, 0% 1994, 1% avg. Cotton 14% fair, 49% good, 37% excellent; 98% setting bolls, 98%, 1994, 90% avg. Sorghum 6% fair, 63% good, 31% excellent; 82% Headed, 79% 1994, 74% avg.; 16% turning color, 19% 1994, 12% avg. Tobacco 7% very poor, 14% poor, 40% fair, 36% good, 3% excellent; 51% topped, 63% 1994, 54% avg. Soybeans 1% poor, 21% fair, 56% good, 22% excellent; 60% blooming, 66% 1994, 54% avg.; 32% setting pods, 28% 1994, 22% avg.

**TEXAS:** Tropical Storm Dean, remnants produced heavy rain across most State last week. The only two climate divisions to receive below-normal rainfall were High Plains (0.52 in., 0.03 in. departure), Trans-Pecos (0.07 in., 0.31 in. departure), both far away from Dean's influence. Other divisions received between one-half to nearly 4.00 in., with departures ranging from +0.17 in. southern, to +3.42 in. low rolling plains. Some individual station totals were very large last week, including 7.66 in. at Paducah, 7.30 in. at Matador, 9.30 in. at Stephenville. All cloud cover, rain produced below normal temperature across State. The Trans-Pecos, Lower Valley recorded near normal temperatures, while other divisions had departures from 1° to 5°. The outstanding exception was -10° departure in Low Rolling Plains, where most of heavy rain fell last week. The highest mean daily soil temperature last week was 97° at Beeville, while lowest mean daily soil temperature was 78° at Bushland. The highest daily maximum soil temperature was 111° at Beeville, while lowest daily minimum soil temperature was 70° at Bushland.

**Crops:** Small grains: land preparations continued late week in parts of the State. Oats 94% harvested, 100% 1994, 99% avg. Corn harvest increasing in southern, central areas of State; however progress slowed by scattered rainfall. Aflatoxin problems were increasing in Valley. Many fields in High, Low Plains entering dough stage. Rainfall in High Plains beneficial; however irrigation remained active. Corn 63% dented, 61% 1994, 63% avg.; 50% mature, 49% 1994, 48% avg.; 28% harvested, 32% 1994; 25% avg. Cotton: scattered rainfall across Plains benefited crop; however overall progress remained behind normal. Many dryland fields showing signs of stress from hot, dry conditions. Moisture received in Blacklands should improve prospects. Bolls beginning to open. Harvest beginning South Central; however experienced some delays. Harvest increasing in the Coastal Bend, Upper Coast, Valley. The Valley crop continued show poor yields. Cotton 4% harvested, 6% 1994, 4% avg. Grain sorghum: rainfall halted operations throughout Blacklands, Upper Coast, parts Central until late week. In Plains, Cross Timbers, fields beginning to turn color but could still benefit from moisture. Irrigation in High Plains continued despite the scattered rain. Harvest winding down in Coastal Bend, Valley. Sorghum 52% harvested, 49% 1994, 43% avg. Rice harvest increased along Upper Coast as conditions allowed. Good yields have been reported. Peanuts: irrigation continued on fields South Central, as many fields missed beneficial moisture from Dean. Stands, development continued good in Plains, Cross Timbers. Some leaf spot showing up scattered fields Central areas. Statewide condition was rated at 85% normal compared with 81% 1994. Soybeans: rainfall slowed harvest in Blacklands, some fields along Upper Coast. Yields from Upper Coast have been good so far. Soybeans 8% harvested, 3% 1994, 1% avg.

**Commercial Vegetables:** Rio Grande Valley: land preparations continued. Leaf minor problems continued many citrus groves. A shortage of irrigation water has caused concern. San Antonio-Winter Garden, land preparations continued. East Texas, cooler temperatures brought relief many crops. Harvest continued as weather permitted. Watermelon harvest was beginning to slow down. Trans-Pecos, harvest operations continued. High Plains, potato, onion harvest continued as weather permitted. Pumpkins were making good progress. Pecans: recent rainfall should benefit crop; some areas remain in need of additional moisture. Spraying underway in southern areas for shuckworm. Damage from second generation casebearers has been light most areas. Peaches late season harvest continued, smaller sizes. Quality however remained good.

**Range and Livestock:** Livestock many areas enjoyed temporary relief from extreme heat with passage of tropical storm. Herd liquidation heavy in Valley as drought conditions have limited forage, water. Ranges, pastures should benefit from moisture received during week. Supplemental feeding remained steady many southern areas.

**UTAH:** Maximums 4° above normal, minimums normal. Western, south central divisions reported measurable precipitation of 0.01 in.

Days suitable for fieldwork 7.0. Topsoil 2% very short, 33% short, 63% adequate, 2% surplus. Subsoil 2% very short, 32% short, 63% adequate, 3% surplus. Irrigation water supply 7% short, 86% adequate, 7% surplus. Stockwater supply 4% short, 96% adequate. Spring wheat harvested 18%, 73% 1994, 47% avg. Barley harvested 30%, 78% 1994, 53% avg. Oats headed or better 90%; harvested for grain 14%, 35% 1994, 21% avg.; harvested for hay or silage 76%, 88% 1994, 73% avg. Winter wheat harvested 34%, 93% 1994, 68% avg. Corn height 52 in., 73 in. 1994; tasseling 10%, 82% 1994, 65% avg. Alfalfa hay 2nd cutting 70%, 85% 1994, 79% avg.; 3rd cutting 4%, 14% 1994. Other hay cutting 75%, 83% 1994, 84% avg. Tart cherries picked 55% complete. Activities: harvesting small grains, haying, cultivating corn, irrigating, picking tart cherries.

**VIRGINIA:** Temperatures above normal. Extremes 57°; 100°. Precipitation below normal.

Days suitable for fieldwork 6.4. Topsoil 27% very short, 40% short, 32% adequate, 1% surplus. Subsoil 15% very short, 39% short, 44% adequate, 2% surplus. Other hay condition 1% very poor, 8% poor, 25% fair, 63% good, 3% excellent. Alfalfa hay 3% poor, 26% fair, 62% good, 9% excellent. Apple 2% fair, 74% good, 24% excellent. Summer apples harvested 14%, 13% 1994, 8% avg. Peaches harvested 40%, 51% 1994, 47% avg. Corn silked 85%, 83% 1994, 73% avg.; dough 43%, 49% 1994, 37% avg.; dented 21%, 9% 1994, 12% avg.; 1% very poor, 6% poor, 20% fair, 62% good, 11% excellent. Soybeans 1% very poor, 28% poor, 43% fair, 23% good, 5% excellent; blooming 57%, 52% 1994, 41% avg.; setting pods 26%, 26% 1994, 19% avg. Peanut 6% poor, 76% fair, 18% good. Cotton 4% poor, 84% fair, 10% good, 2% excellent. Flue tobacco 1% poor, 43% fair, 39% good, 17% excellent; harvested 24%, 12% 1994, 14% avg. Dark fired tobacco 3% poor, 38% fair, 44% good, 15% excellent; harvested 10%, 3% 1994, 3% avg. Burley tobacco 26% very poor, 35% poor, 35% fair, 4% good. Sun tobacco 40% fair, 60% good. Summer potatoes harvested 85%, 91% 1994, 94% avg. Hot, dry conditions continued as temperatures continued in the 90s. Second cuttings of hay active in western counties. Some cases of potato leafhopper were being treated in alfalfa fields. Burley, flue tobacco topping nearing completion while flue, fire harvest continued. Blue mold spread slowed by dryer weather. Depleted soil moisture in the Southeast forced some producers to irrigate tobacco, peanuts, cotton, vegetables. Fruit growers sprayed trees as summer apple harvest was in full swing, peach harvest was winding down.

**WASHINGTON:** Temperatures 3 below to 2° above normal west; 7 below to 1° above normal east. Precipitation none to 0.03 in. west; none in. east. Dry weather throughout the week.

Days suitable for fieldwork 6.9. Topsoil 30% short, 63% adequate, 7% surplus; subsoil 17% short, 83% adequate. Irrigation water supply 100% adequate. Corn silage beginning to silk. Spinach weed harvest began. Winter wheat yields reported as average. Hessian fly damage reported in winter wheat. Some shatter reported in standing grain. Russian wheat aphid problem reduced yields in some spring wheat. Harvest of blueberries, cucumbers, processing peas, early apples, pears, stone fruits continued. Sweet corn shedding pollen. Mummy-berry disease reported in blueberries. Strawberry renovation began.

Lower area pastures beginning to dry up. Straw baling underway. Winter wheat, dryland 7% poor, 28% fair, 50% good, 15% excellent; irrigated, 82% good, 18% excellent. Spring wheat, dryland 6% poor, 43% fair, 39% good, 12% excellent; irrigated, 90% good, 10% excellent. Barley, dryland 20% fair, 61% good, 19% excellent; irrigated, 100% good. Potatoes, 7% fair, 93% good. Corn, 100% good. Dry edible beans, 100% good. Hay, other roughage supplies 1% short, 82% adequate, 17% surplus. Winter wheat, 40% harvested, 75% 1994, 51% avg. Spring wheat, 17% harvested, 66% 1994, 34% avg. Barley 20% harvested, 71% 1994, 40% avg. Alfalfa, 2nd cutting, 79% harvested, 86% 1994, 81% avg. Alfalfa, 3rd cutting, 5% harvested, 44% 1994, 21% avg. Dry peas, 16% harvested, 84% 1994, 42% avg. Potatoes, 10% harvested, 7% 1994, 9% avg.

**WEST VIRGINIA:** Temperature 79°. Extremes 58°; 99°. Rainfall 2.22 in. Temperatures 5° above normal in the northwest, southwest regions to 8° above normal in the northeast. Precipitation 0.65 in. below normal in the south to 2.93 in. above normal in the north-central region. The greatest weekly total was 5.89 in. reported at Parkersburg.

Days suitable for fieldwork 5.6. Topsoil 9% very short, 47% short, 44% adequate. Wheat 28% fair, 72% good; 97% ripe, 100% 1994, 100% avg.; 42% harvested, 96% 1994, 86% avg. Hay 5% very poor, 6% poor, 47% fair, 39% good, 3% excellent; second cutting 44%, 35% 1994, 38% avg.; third cutting 7%. Corn 2% very poor, 3% poor, 24% fair, 71% good; 60% silked, 62% 1994, 73% avg.; 22% dough, 22% 1994, 36% avg. Oats 20% fair, 80% good; 67% ripe, 90% 1994, 92% avg.; 55% harvested, 60% 1994. Soybeans 4% poor, 34% fair, 62% good; 75% blooming, 69% 1994; 36% setting pods, 52% 1994. Tobacco 13% poor, 78% fair, 9% good; 42% topped, 20% 1994, 27% avg. Apples 100% good. Peaches 100% good. Cattle 1% poor, 21% fair, 71% good, 7% excellent. Sheep 17% fair, 78% good, 5% excellent. Activities: Clipping pastures, cutting hay, topping tobacco, harvesting peaches, oats, wheat.

**WISCONSIN:** Temperature 73°, 4° above normal. Extremes 48°; 101°. Precipitation 0.20 to 0.80 in.

Days suitable for fieldwork 4.6. Soil moisture 6% very short, 32% short, 60% adequate, 2% surplus. General condition of crops 4% poor, 24% fair, 60% good, 12% excellent. Oats 1% very poor, 11% poor, 39% fair, 45% good, 4% excellent; harvested 31%, 44% 1994, 32% avg. Winter wheat harvested 77%, 76% 1994, 59% avg. Corn silked 86%, 86% 1994, 63% avg.; doughed 12%, 16% 1994, 12% avg. Second cutting hay harvest 80%, 70% 1994, 67% avg. Soybeans 6% poor, 18% fair, 57% good, 19% excellent; blooming 62%, NA 1994, NA avg. Rainfall was very beneficial for all crops. With rainfall, the condition of the corn improved over the last week. Corn in the northern half, western two-thirds' of the State was reported to be in very good condition. Corn in the east central, southeast districts was in good condition, could use some more moisture. Harvesting of small grains was slowed slightly by the rain. Winter wheat yields were reported to be good to excellent. Winter wheat crop produced a lot of straw that is being baled between showers. Oat harvest began with below average yields, very small amounts of straw. The barley crop was reported to have average yields. Both the second crop, third crop alfalfa were short with good quality. Heat reduced the amount of production; recent rain should help improve alfalfa stands for the next cutting. Some farmers reported that the tobacco crop was being topped over the past week.

**WYOMING:** Temperatures from normal to 3° above normal. Scattered spots 1 to 2° below normal. Extremes 26° Fossil Butte; 106° Sheridan. Precipitation 0.10 to 0.40 in. below normal across most of State. Few scattered areas received up to 0.20 in. above normal. Douglas received the greatest amount of 0.47 in.

Days suitable for fieldwork 6.8. Topsoil 55% adequate or better. Winter wheat 6% fair, 29% good, 65% excellent; 96% mature, 100% 1994, 89% avg.; 30% harvested, 93% 1994, 60% avg. Spring wheat 18% fair, 75% good, 7% excellent; 43% turning color, 99% 1994, 83% avg.; 7% mature, 59% 1994, 45% avg.; 1% harvested, 25% 1994, 17% avg. Oats 6% fair, 83% good, 11% excellent; 24% mature, 39% 1994, 36% avg.; 10% harvested, 17% 1994, 12% avg. Barley 2% fair, 91% good, 7% excel.; 33% mature, 67% 1994, 61% avg.; 8% harvested, 28% 1994, 26% avg. Potatoes 100% good; 70% in bloom, 100% 1994, 93% avg. Dry beans 12% fair, 76% good, 12% excellent; 34% setting pods, 63% 1994, 54% avg. Corn 46% fair, 54% good; 60% tasseled, 95% 1994, 72% avg.; 12% silked, 74% 1994, 38% avg. Alfalfa 2nd cutting 13% done, 45% 1994, 29% avg. Other hay 66% harvested, 83% 1994, 72% avg. Irrigation and stockwater supplies 97% adequate or better.

July 1995

MONTHLY DATA FROM SELECTED FOREIGN CITIES  
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA  
\*\*\* = DATA NOT AVAILABLE

**International Weather and Crop Summary**

July 30 - August 5, 1995

**HIGHLIGHTS**

**FSU-WESTERN:** Continued dry weather over most of Russia helped winter grain harvesting but lowered prospects for corn and sunflowers.

**FSU-NEW LANDS:** Hot, dry weather accelerated spring grain development in western Russia and Kazakhstan.

**EUROPE:** Hot, dry weather over the west and north increased stress on summer crops but allowed rapid winter grain and oilseed harvesting.

**SOUTH ASIA:** The monsoon continued to be active throughout the region, benefiting India's grains, oilseeds, and cotton but bringing Pakistan some additional flooding.

**CANADA:** Scattered, locally moderate showers brought some relief to immature Prairie grains and oilseeds, but unseasonable warmth returned by week's end.

**AUSTRALIA:** Unseasonable showers fell along Queensland's coast, but interior crop areas received only local drought relief.

**EASTERN ASIA:** Tropical Cyclone Gary brought beneficial showers to southern and central China, increasing irrigation supplies but causing some local flooding. Variable showers prevailed across the North China Plain.

**SOUTHEAST ASIA:** Heavy showers fell across Thailand, benefiting crops and increasing irrigation supplies but causing local flooding. Seasonal showers prevailed across most of the Philippines.

**SOUTH AMERICA:** Only isolated showers fell in central Argentina, while dryness continued to stress winter wheat.

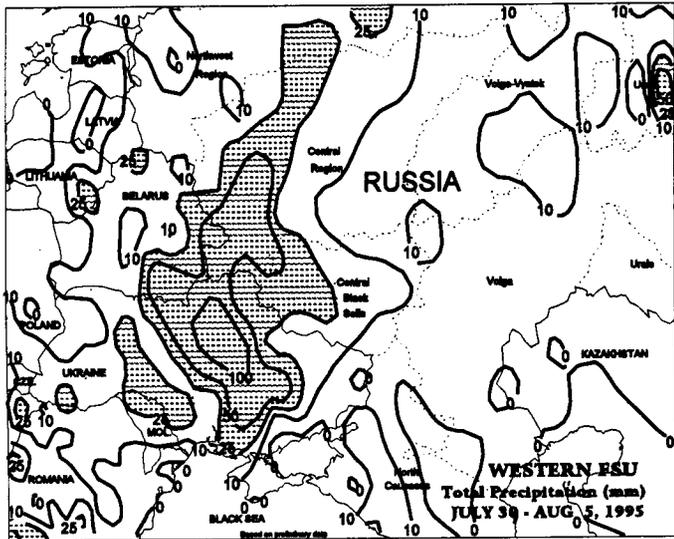
**MEXICO:** Hot, somewhat dry weather reduced soil moisture for reproductive corn across the northern corn belt. Scattered rain brought some relief to the drought-stricken northern pasture areas.

COUNTRY	CITY	TEMPERATURE					PRECIPITATION		
		(C)					(MM)		
		AVG	AVG	HI	LO	DPART	AVG	F/NRM	TOTAL
		MAX	MIN	MAX	MIN	AVG	F/NRM	TOTAL	F/NRM
NORWAY	OSLO	21	11	26	5	16	0.4	80	2
SWEDEN	STOCKHOLM	23	12	29	7	17	0.3	43	-28
FINLAND	HELSINKI	21	11	29	7	16	-0.7	38	-34
U KING	GLASGOW	21	12	28	7	16	0.7	93	10
	EDINBURGH	20	12	29	8	16	1.5	67	9
	BIRMINGHAM	24	13	32	7	19	2.6	22	-26
	LONDON	25	14	32	8	20	2.7	20	-25
IRELAND	DUBLIN	21	12	27	7	17	1.3	70	20
ICELAND	REYKJAVIK	13	8	21	5	11	0.2	57	5
DENMRK	COPENHAGEN	23	13	29	8	18	0.4	31	-40
LUXEMB	LUXEMBOURG	27	16	36	10	21	4.1	38	-29
SWITZL	ZURICH	26	16	33	13	21	3.4	71	-48
	GENEVA	28	17	35	12	22	3.4	38	-30
FRANCE	PARIS/ORLY	28	17	37	11	22	***	72	**
	STRASBOURG	28	16	34	11	22	3.2	130	74
	BOURGES	28	16	36	12	22	2.9	59	8
	BORDEAUX	29	17	37	13	23	3.3	43	-4
	TOULOUSE	29	18	35	14	24	2.5	71	29
	MARSEILLE	31	21	34	16	26	2.5	2	-12
SPAIN	VALLADOLID	31	16	40	10	23	2.0	5	-12
	MADRID	34	18	42	13	26	1.5	16	9
	SEVILLE	37	22	47	17	29	1.3	0	-1
PORTUG	LISBON	29	19	41	16	24	1.4	4	1
GERMNY	HAMBURG	25	15	32	10	20	3.2	52	-30
	BERLIN	27	16	34	11	22	2.8	39	-14
	DUSSELDORF	27	16	36	9	21	3.0	29	-46
	LEIPZIG	27	15	34	10	21	3.2	65	2
	DRESDEN	27	16	34	11	22	3.5	36	-74
	STUTTGART	27	16	34	11	21	3.5	94	16
	NURNBERG	28	16	35	10	22	3.4	75	7
AUSTRI	VIENNA	29	16	33	12	22	2.2	37	-32
	INNSBRUCK	27	15	33	11	21	3.4	190	62
CZECH	PRAGUE	27	14	35	9	20	2.8	61	-6
POLAND	WARSAW	26	14	32	8	20	2.0	60	-7
	LODZ	27	13	35	8	20	2.3	37	-54
	KATOWICE	26	14	32	9	20	2.2	85	-9
	PRZEMYSL	26	15	31	10	20	2.4	18	-81
HUNGAR	BUDAPEST	30	18	34	15	24	3.3	104	52
F YUGO	BELGRADE	30	19	35	17	25	3.2	35	-33
ROMANI	BUCHAREST	30	17	32	7	23	0.6	89	24
BULGAR	SOFIA	27	16	30	11	21	1.2	116	57
ITALY	MILAN	32	21	36	15	27	3.5	14	-49
	VERONA	32	21	35	17	26	2.5	37	-24
	VENICE	30	21	34	17	25	2.0	47	-17
	GENOA	28	23	34	15	26	1.3	1	-27
	ROME	30	20	35	17	25	1.0	0	-13
	NAPLES	32	22	35	19	27	2.6	42	18
GREECE	THESSALONIKA	32	21	35	18	26	0.2	27	2
	LARISSA	32	19	38	17	26	-1.1	24	3
	ATHENS	33	24	36	20	28	0.7	19	17
TURKEY	ISTANBUL	29	21	31	18	25	1.4	28	7
	ANKARA	26	13	31	8	19	-4.4	75	55
CYPRUS	LARNACA	32	22	35	20	27	0.0	0	-1
ESTONI	TALLINN	21	11	26	7	16	-0.4	48	-29
FSU	ST. PETERSBERG	20	13	25	9	17	-1.2	55	-23
LITHUA	KALINAS	23	13	31	7	18	1.1	44	-28
FSU	MINSK	23	13	30	6	18	0.9	33	-69
	KAZAN	24	15	29	9	19	-0.1	69	0
	MOSCOW	22	13	30	7	18	-0.6	53	-39
	YEKATERINBURG	25	15	36	8	20	1.3	41	-39
	OMSK	26	15	32	9	21	0.9	113	52
	KUSTANAY	30	17	39	9	23	2.5	10	-48
	NOVOSIBIRSK	25	16	31	9	20	1.7	74	16
	BARNAIL	26	15	31	10	21	0.7	86	24
	KHABAROVSK	27	16	35	10	21	0.2	270	138
	VLADIVOSTOK	22	17	28	11	19	1.8	85	-59
	KIEV	25	16	31	12	21	1.3	82	-4
	LVOV	26	14	31	9	20	2.5	10	-89
	KIROVOGRAD	27	15	32	11	21	-0.3	11	-51
	ODESSA	29	20	33	16	24	2.8	3	-46

Based on Preliminary Reports

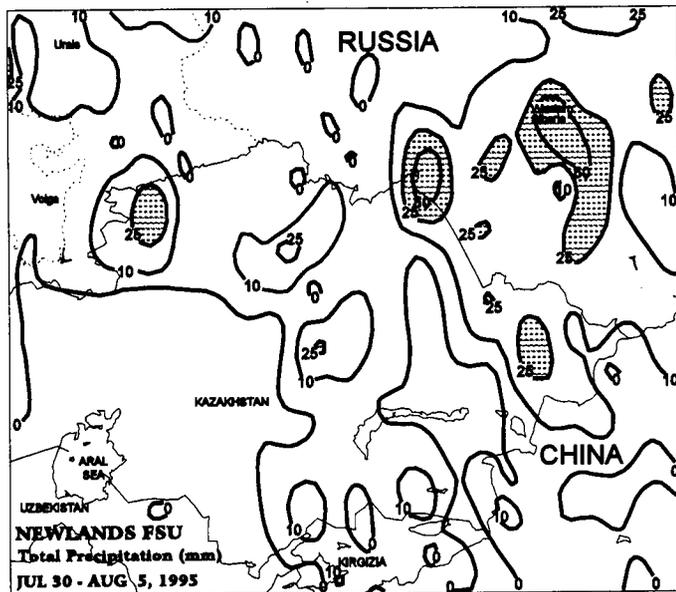
July 1995

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)			COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)																		
		AVG	AVG	HI	LO	DEPART	AVG	F/NRM	TOTAL			DEPART	F/NRM	AVG	AVG	HI	LO	DEPART	AVG	F/NRM	TOTAL	DEPART	F/NRM												
FSU	YALTA	28	21	33	19	25	0.7	49	1	ETHIOP	ADDIS ABABA	20	12	24	10	16	0.5	147	-104	KENYA	NAIROBI	23	12	26	7	17	0.3	19	7						
	SARATOV	27	17	33	11	22	1.6	23	-29	TANZAN	DAR ES SALAAM	29	19	32	15	24	0.6	8	-20	GABON	LIBREVILLE	28	22	30	19	25	0.3	0	-1						
	KHARKOV	25	15	31	10	20	-0.1	34	-24	TOGO	LOME	29	24	33	22	27	1.4	102	1	B FASO	OUAGADOUGOU	32	24	38	20	28	0.7	126	-58						
	VOLGOGRAD	28	17	33	12	22	-1.6	46	19	IVRY C	ABIDJAN	29	24	31	20	26	1.3	83	-187	MOZAMB	MAPUTO	26	14	33	9	20	0.7	0	-20						
	ROSTOV	29	18	34	13	24	0.5	4	-52	ZAMBIA	LUSAKA	24	8	29	1	16	0.0	0	0	ZIMBAB	HARARE	22	9	25	5	15	2.3	0	-2						
	ASTRAKHAN	32	20	37	14	26	1.0	10	-12	S AFRI	PRETORIA	20	4	25	0	12	0.2	0	-3	JOHANNESBURG		18	4	22	-6	11	0.6	0	-4						
	KRASNODAR	29	18	33	15	23	-0.4	51	5	BEIHAL		19	1	23	-6	10	1.5	0	-8	DURBAN		22	11	27	5	16	-0.4	27	-12						
	ORENBURG	30	16	37	9	23	1.1	10	-27	CAPE TOWN		16	7	20	0	11	-0.6	102	20	CANADA	TORONTO	27	16	37	9	22	1.4	55	-21						
	TSELINOGRAD	28	16	35	9	22	2.0	34	-16	MONTRREAL		27	17	32	12	22	1.3	104	18	WINNIPEG		26	13	32	7	20	-0.1	22	-51						
	KARAGANDA	27	16	36	9	22	0.6	18	-22	REGINA		25	12	34	4	19	-0.6	90	31	REINHA		25	12	34	4	19	-0.6	90	31						
	TBILLISI	**	**	34	17	**	***	20	-25	SASKATOON		24	10	33	3	17	-1.9	82	24	LETHBRIDGE		24	10	29	5	17	-1.1	15	-30						
	TASHKENT	36	20	43	17	28	0.7	5	2	CALGARY		21	10	27	4	16	-0.8	134	65	EDMONTON		22	12	27	8	17	-0.3	**	**						
	ASHKHABAD	39	25	43	20	32	1.0	0	-3	VANCOUVER		23	14	28	12	19	1.3	44	7	MEXICO	GUADALAJARA	26	17	31	15	22	0.1	115	-142						
	SYRIA	DAMASCUS	35	18	39	14	27	0.0	0	MEXICO CITY		23	13	26	10	18	1.5	158	33	ACAPULCO		34	25	36	18	29	0.7	31	-140						
	ISRAEL	JERUSALEM	29	18	37	15	24	0.7	0	BERMUD	ST. GEORGES	28	26	29	23	27	-0.1	85	-24	BAHAMA	NASSAU	32	25	35	22	29	0.6	110	-31						
PAKIST	KARACHI	34	28	39	25	31	0.6	84	-4	CUBA	HAVANA	32	24	37	22	28	0.7	120	15	JAMAIC	KINGSTON	34	26	35	24	30	0.9	27	-12						
INDIA	AMRITSAR	34	**	38	25	**	***	144	-56	P RICO	SAN JUAN	33	26	34	24	29	0.9	125	14	GUJDEL	RAIZET	32	26	33	23	29	1.8	47	-31						
	NEW DELHI	36	28	41	25	32	1.2	46	-178	MARTINQ	LAMENTIN	31	25	32	23	28	1.8	73	-142	BARBAD	BRIDGETOWN	31	25	31	23	28	0.6	75	-56						
	AHMEDABAD	34	27	41	24	31	0.9	217	-39	TRINID	PORT OF SPAIN	32	24	34	23	28	1.6	166	-87	COLOMB	BOGOTA	19	7	21	4	13	-0.1	100	64						
	INDORE	31	23	37	21	27	0.7	485	209	VENEZU	CARACAS	28	**	32	20	**	***	111	54	F GULA	CAYENNE	31	22	33	21	26	0.7	216	-29						
	CALCUTTA	33	26	36	20	30	0.7	284	-38	BRAZIL	FORTALEZA	29	**	31	21	**	***	61	-41	RECIFE		**	**	28	20	**	***	170	-209						
	VERAVAI	31	27	34	25	29	0.8	374	104	BELO HORIZONTE		**	**	27	15	**	***	**	**	CAMPO GRANDE		30	17	33	7	24	3.1	1	-45						
	BOMBAY	31	26	34	23	28	1.1	660	-285	FRANCA		25	16	27	12	21	5.2	5	-17	LONDRINA		**	**	30	14	**	***	**	**						
	POONA	29	23	34	22	26	0.8	190	2	SANTA MARIA		**	**	29	4	**	***	174	26	PORTO ALEGRE		21	12	31	5	17	2.5	323	195						
	BEGAMPET	30	23	34	21	27	-0.1	223	54	PERU	LIMA	18	15	22	14	16	-0.8	5	4	BOLIVI	LA PAZ	15	-3	17	-6	6	0.1	3	-6						
	VISHAKHAPATNAM	30	26	34	24	28	***	181	**	CHILE	SANTIAGO	13	2	22	-3	8	-0.4	28	-53	ARGENT	IGUAZU	25	14	30	6	19	***	59	**						
	MADRAS	35	26	39	24	30	-0.2	142	14	FORMOSA		24	14	33	0	19	2.5	3	-45	CERES		18	6	29	-3	12	-0.5	0	-18						
	MANGALORE	28	23	31	22	26	-0.5	1424	365	CORDOBA		18	3	27	-6	11	0.2	0	-13	RIO CUARTO		16	3	24	-2	9	-0.3	36	22						
H KONG	KINGS PEAK	30	26	33	24	28	***	652	**	ROSARIO		16	5	24	-3	10	0.0	3	-35	BUENOS AIRES		15	5	22	-2	10	-0.2	11	-45						
N KREA	PYONGYANG	25	19	32	13	22	-1.3	474	77	SANTA ROSA		15	1	23	-9	8	0.3	0	-19	TRES ARROYOS		13	0	20	-12	7	-0.7	0	-42						
S KREA	SEOUL	28	22	34	18	25	0.3	467	109	N CALD	NOUMEA	24	18	27	16	21	1.2	20	-53	FLUJ	NAUSORI	27	22	30	19	24	1.6	130	17						
JAPAN	SAFFORO	26	18	33	14	22	1.8	89	20	SAMOA	PAGO PAGO	30	26	31	23	28	2.0	148	-11	TAHITI	PAPEETE	30	22	32	20	26	1.4	2	-59						
	NAGOYA	31	24	37	20	27	1.2	375	159	PA N G	PORT MORESBY	29	23	31	22	26	0.4	3	-24	AUSTRL	DARWIN	30	20	33	16	25	0.1	0	-1						
	TOKYO	30	24	36	19	27	1.5	176	50	MOREE		**	**	**	**	**	***	**	**	BRISBANE		20	7	25	3	14	-1.2	6	-62						
	YOKOHAMA	29	23	35	19	26	1.5	205	64	PERTH		17	10	21	7	13	0.4	218	60	CEUNA		16	8	22	1	12	0.3	50	10						
	KYOTO	31	24	38	20	27	1.1	395	145	ADELAIDE		13	8	15	4	11	-0.3	95	28	MELBOURNE		12	5	15	3	9	-0.7	40	-3						
	OSAKA	31	25	38	19	28	0.7	456	297	WAGGA		10	4	15	0	7	-0.3	87	31	CANBERRA		9	1	11	-4	5	-0.2	45	4						
THAIAN	PHETCHABUN	32	24	34	22	28	0.3	221	23	PHILIP	MANILA	32	27	34	25	29	1.3	259	-42																
	BANGKOK	33	26	36	22	29	0.4	196	41																										
MALAYS	KUALA LUMPUR	33	24	35	22	28	1.8	94	-37																										
VIEINM	HANOI	33	27	37	24	30	1.0	292	-31																										
CHINA	HARBIN	28	18	33	12	23	-0.3	165	21																										
	HAMI	33	17	40	10	25	-1.5	9	2																										
	LANCHOW	28	17	35	12	22	0.1	135	79																										
	BELJING	30	22	35	17	26	-0.1	186	11																										
	TIENHSIN	30	22	35	17	26	-0.8	123	-53																										
	LHASA	22	10	26	5	16	-0.3	158	33																										
	KUMMING	24	17	27	15	21	0.8	277	75																										
	CHENGCHOW	32	23	36	17	27	0.6	216	70																										
	YEHCHANG	33	24	38	19	29	1.0	462	256																										
	HANKOW	34	27	38	22	30	1.6	168	16																										
	CHUNGKING	33	25	39	21	29																													



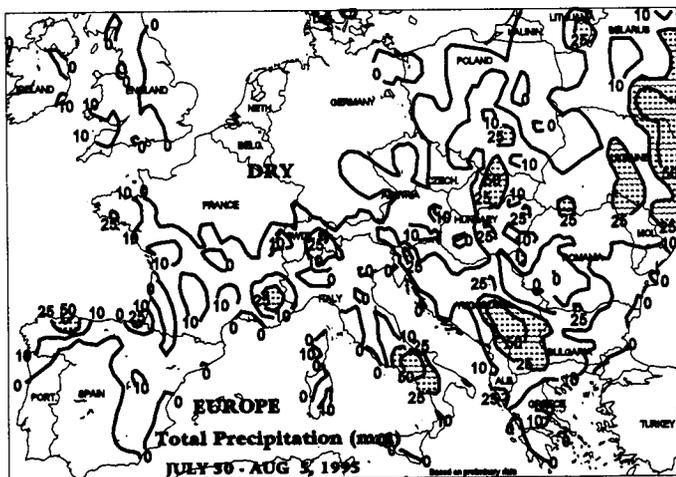
**FSU-WESTERN**

In Russia, dry weather covered North Caucasus, Volga Valley, Volga Vyatsk, the eastern portions of the Central Black Soils and Central Regions. Although the dryness favored rapid winter and spring grain harvesting, it has persisted for 4 consecutive weeks over North Caucasus and lower Volga Valley, reducing prospects for corn and sunflowers. Wet weather (25-75 mm) over the western portions of Central Black Soils and Central Regions slowed winter grain harvesting but favored sugar beet and potato development. In Ukraine, soaking rain (25-75 mm, with local amounts in excess of 100 mm) fell over central areas, while little, if any, precipitation covered the extreme west and east. The rain over central Ukraine stabilized conditions for corn and sunflowers stressed by earlier heat and dryness. Farther north, light showers (10-63 mm) over Belarus dampened soils for summer crop development. Weekly average temperatures were near normal over the region. However, at week's end, hot weather (maximum temperatures 32-35 degrees Celsius (C)) returned to Volga Valley, North Caucasus, and eastern Ukraine, increasing heat stress on summer crops.



**FSU-NEW LANDS**

Hot, dry weather covered spring grain areas in western Russia (Urals and the western half of Western Siberia) and Kazakhstan early in the week, accelerating crop development. Furthermore, unfavorable dryness along with periodic heat has persisted over these areas since June, lowering yield prospects for spring wheat and spring barley. By week's end, cooler weather eased heat stress on crops in these areas but was accompanied by only light, scattered showers. Farther east, light showers over the eastern half of Western Siberia in Russia maintained favorable moisture for spring grains in the filling stage. Weekly average temperatures were 2 to 4 degrees C above normal over most of Russia and Kazakhstan.

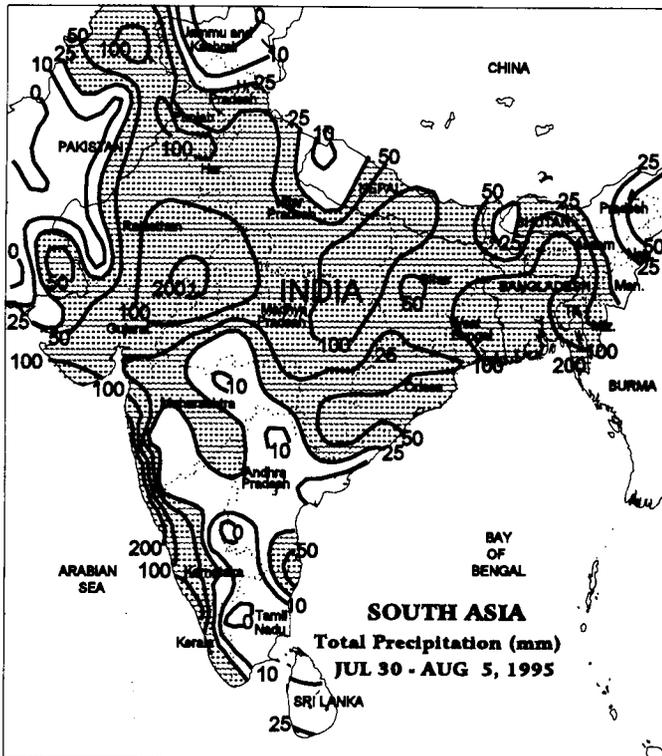


**EUROPE**

Hot, dry weather covered most of England, France, the Benelux countries, and Germany, allowing rapid rye, wheat, and oilseed harvesting. However, extreme maximum temperatures ranging from 31 to 36 degrees C were unfavorable for summer crop development. Elsewhere, scattered showers (3-25 mm) fell from Poland southward through Slovakia and Hungary, into former Yugoslavia, Romania, and Bulgaria. The rain favored summer crop development and caused only brief delays in winter grain and oilseed harvesting. Additional rain is needed for summer crops throughout these areas. Seasonably dry weather prevailed over southern Spain, while unusually heavy rain (25-50 mm) fell over southern Italy. Weekly average temperatures were 3 to 6 degrees C above normal over western and northern Europe, and 1 to 3 degrees C above normal over Eastern Europe.

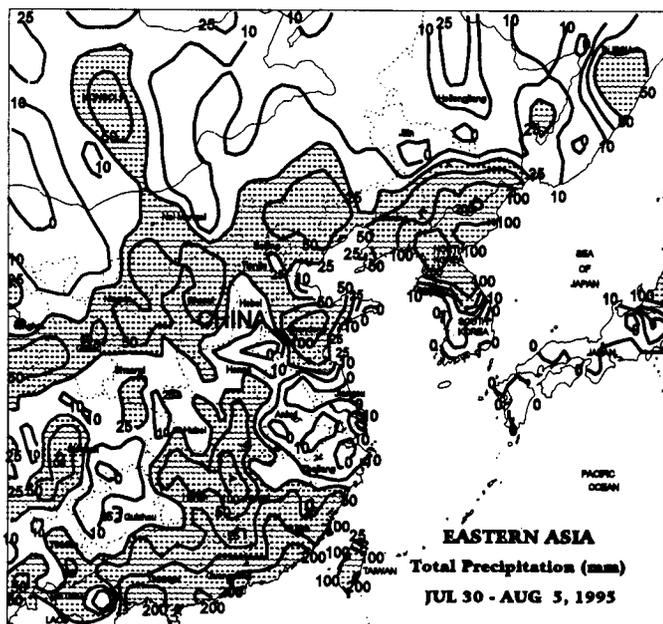
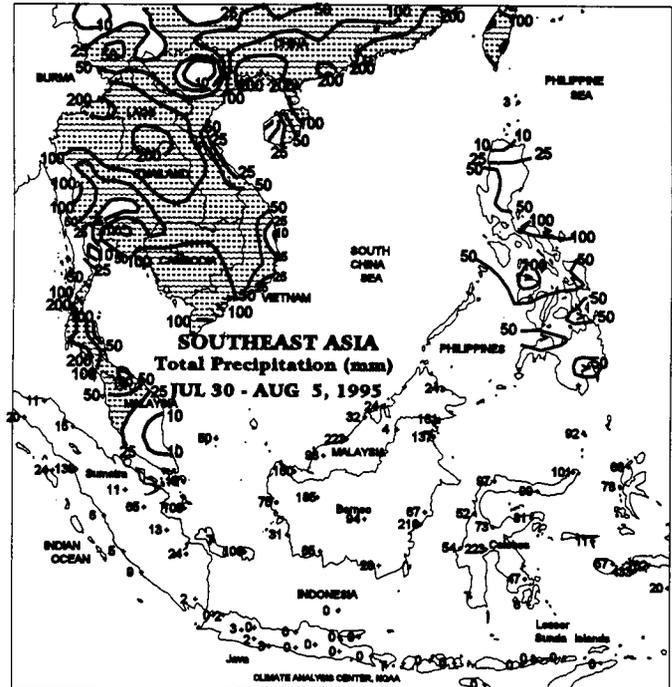
**SOUTH ASIA**

Moderate to heavy rain (50-100 mm or more) spanned the northern half of India, improving rice, coarse grain, and oilseed prospects. The rain in northern rice areas (Uttar Pradesh and Bihar) was the heaviest since early July's outbreak of heavy showers. In western Gujarat, rainfall exceeding 50 mm improved prospects for late-planted groundnuts. It was that area's third consecutive week of beneficial rain following the monsoon's late arrival but only the first widespread above-normal rain of the season. Heavy showers (50-100 mm) lingered over northern Pakistan, exacerbating local flooding. Unseasonably heavy rain (50 mm or more) in Pakistan's Sind Province may have resulted in some local flooding in easternmost cotton areas. In India's southern interior, the rainfall pattern was favorable for summer grains, oilseeds, and cotton. Drier weather covered crop areas of Andhra Pradesh and Karnataka that received soaking rains last week. In contrast, moderate showers (25-48 mm) covered important coarse grains, cotton, and sugarcane areas (western Maharashtra and northern Karnataka) that had been unseasonably dry.



**SOUTHEAST ASIA**

Heavy showers (50-130 mm) covered eastern and northern Thailand, increasing moisture supplies for rice, sugarcane, and corn but causing local flooding. Moderate showers (15-50 mm) elsewhere in Thailand benefited crops. Widespread showers (20-80 mm, with isolated amounts greater than 100 mm) increased irrigation supplies across the major rice areas of Vietnam. In the Philippines, moderate to heavy showers (30-90 mm, with isolated amounts greater than 100 mm) fell across most crop areas, aiding grains and sugarcane. However, northern Luzon received less than 25 mm, reducing moisture for crops.

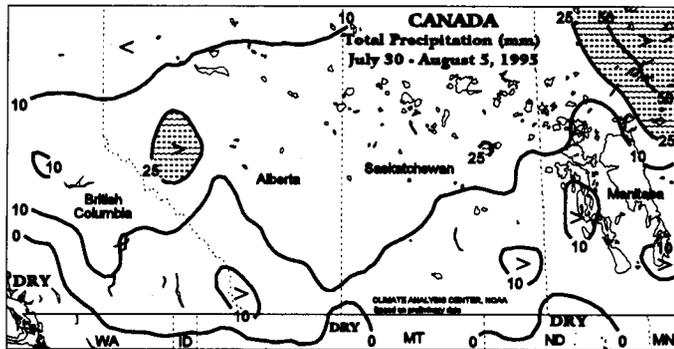


**EASTERN ASIA**

Tropical Storm Gary hit the southern coast of China (near the border of Guangdong and Fujian) on July 31, with sustained winds of 60 to 70 knots (70-81 mph), causing some local crop damage. Gary helped contribute to torrential rain (200-350 mm) along the coast of Guangdong and Fujian, causing flooding and possibly damaging sugarcane. The remnants of the storm moved inland and brought moderate to heavy showers (30-120 mm) to interior south-central China (Hunan and Jiangxi). The rains eased short-term dryness across the region which developed after flooding in late June and early July. Variable showers (5-40 mm, with isolated amounts greater than 100 mm in central Shandong) fell across the North China Plain, sustaining adequate moisture supplies for corn, soybeans, and cotton. Widespread rain (20-70 mm) was reported across the northern crop areas (from southern Gansu to Beijing), improving irrigation supplies across the upper and middle Yellow River Basin, but slowing spring wheat harvesting. Moderate rain (30-70 mm) exacerbated flooding in southern Manchuria (Liaoning), while drier weather prevailed in central and northern Manchuria. Temperatures averaged 1 to 2 degrees above normal in central China, 1 to 3 degrees C below normal in the southeast, and near normal elsewhere. Very heavy rain (100-300 mm) caused flooding in North Korea, while drier, sunnier weather (5-40 mm of rain; temperatures 2-4 degrees C above normal) favored reproductive rice in South Korea and the southern half of Japan. Moderate to heavy rain (30-150 mm) fell across northern Japan.

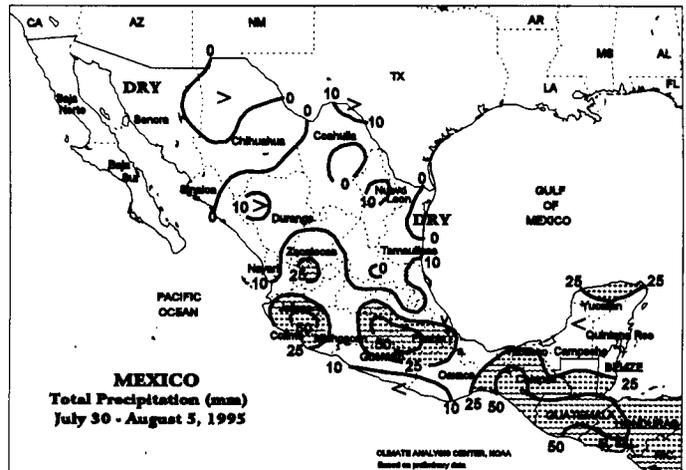
**CANADA**

Early-week scattered rain (2-28 mm) brought some local relief to immature Prairie crops growing with marginal moisture reserves. Rainfall exceeded 10 mm over the northwest as well as sections of eastern Saskatchewan and western Manitoba, benefiting reproductive to filling grains and oilseeds but coming too late for some crops. At week's end, hot weather returned to the eastern prairies, accelerating crop development. Highs briefly reached 35 degrees C over a large section of southern Saskatchewan, stressing reproductive crops. Since early July, a general drying trend and periods of warm weather in the eastern Prairies have hastened development of late-planted spring crops. Temperatures have been cooler in the west, although unfavorable dryness across northern crop areas accelerated crop development. The average date of the first autumn freeze across the Prairies varies from late August to early September. Farther east, widespread showers (25-50 mm or more) further improved corn and soybean prospects in Ontario and Quebec.



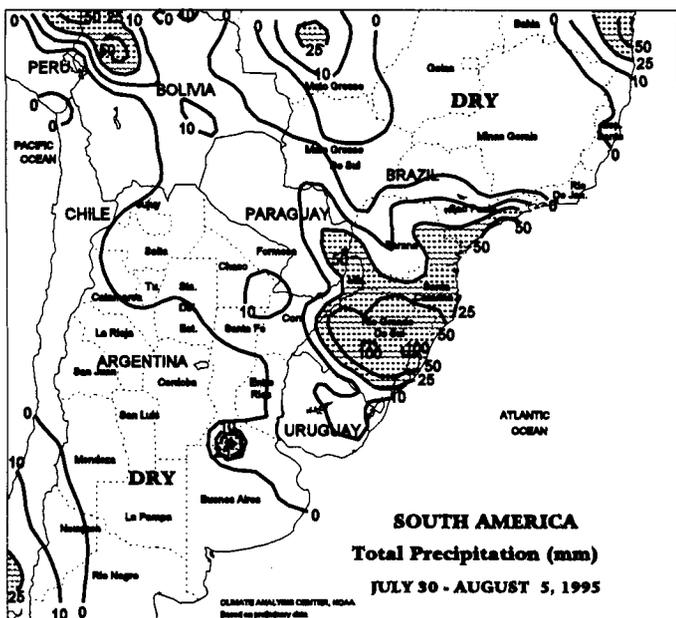
**MEXICO**

Seasonal showers (20-90 mm) prevailed across the southern portion of the corn belt, aiding reproductive corn. However, drier, warmer weather (5-20 mm of rain; temperatures 2-4 degrees C above normal) reduced soil moisture for reproductive corn across the northern corn areas (northern Jalisco eastward to Hidalgo). Scattered light rain (5-15 mm) brought some relief to the northern drought-stricken pasture areas, but temperatures still averaged 2 to 4 degrees C above normal. Light to moderate showers (10-25 mm) favored vegetative corn across the Yucatan Peninsula.



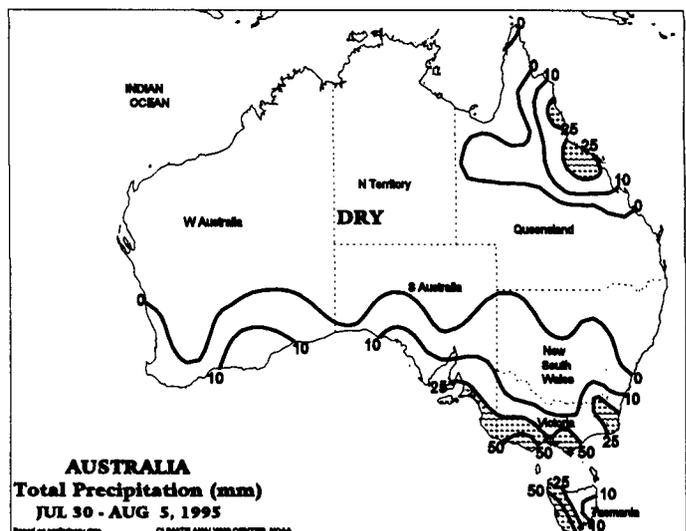
**SOUTH AMERICA**

Mostly dry weather continued to stress germinating to vegetative winter wheat across central Argentina, with only an isolated shower (97 mm) reported in northern Buenos Aires. Minimum temperatures ranged from -4 to -9 degrees C across the wheat belt, burning back vegetative wheat. In southern Brazil, moderate rain (10-70 mm) fell across Parana and Rio Grande do Sul, benefiting vegetative to reproductive winter wheat. Minimum temperatures of -1 to -4 degrees C were reported in central and northeastern Rio Grande do Sul, burning back vegetative wheat. The wheat crop in Rio Grande do Sul is usually a month behind the crop in Parana. Temperatures averaged 2 to 4 degrees below normal across central Argentina and extreme southern Brazil and 2 to 4 degrees C above normal throughout the rest of southern Brazil.



**AUSTRALIA**

Unseasonably heavy rain (10-47 mm) fell along the northern two-thirds of Queensland's coast, hampering sugarcane harvesting. Inland, the rain was just at the northern edge of the winter wheat belt, providing no significant relief. Major cotton areas missed the rain as well but sorghum areas between Emerald and the coast received significant rain (8-26 mm). Summer crops, usually planted from September to December, need a timely start to the summer rainy season following the region's protracted drought. Elsewhere, moderate to heavy rain (10-25 mm or more) over the southeast sustained ample moisture reserves for winter grains. Drier conditions prevailed elsewhere. Temperatures averaged 1 to 3 degrees C over most winter grain areas, with patchy frost and subfreezing temperatures common in the east. In New Zealand, precipitation exceeded 25 mm over northern South Island and central North Island. Temperatures were seasonably cool, with lows at or near freezing at many locations.



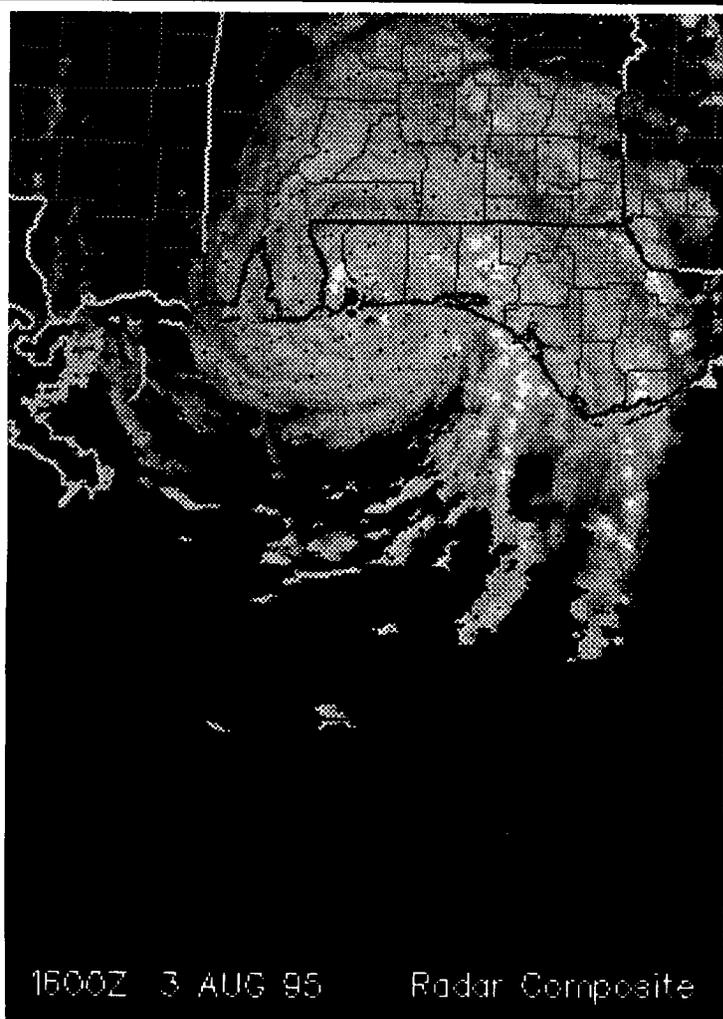
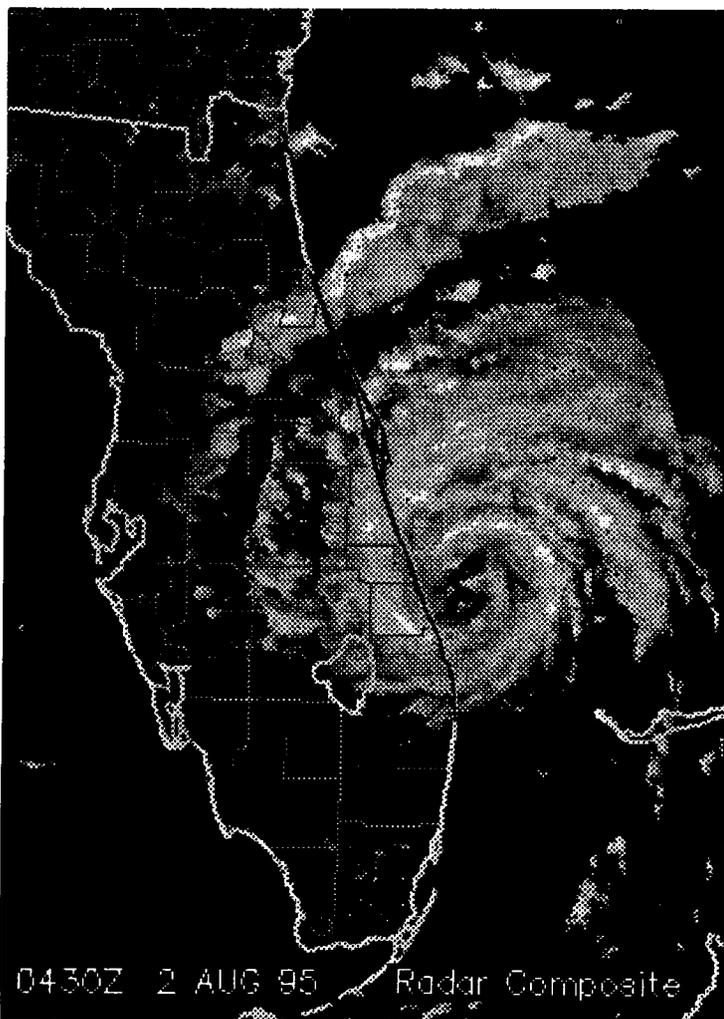
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